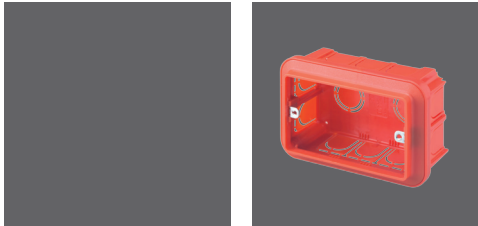




DOMOTICS POWER BUILDING TRADE CATALOGUE

GEWISS



2017
2018



**OUR SUCCESS IS NOT ONLY MEASURED
IN SQUARE METRES, BUT ALSO
THROUGH OUR CONTRIBUTION TO THE
GROWTH OF THE SECTOR.**

Being innovative means knowing how to transform problems into solutions. It doesn't necessarily mean inventing new, original products at all costs - true innovation lies in introducing a change that can only be achieved through the skill, enthusiasm and experience of a tight-knit, cohesive group of experts. This is our idea of innovation - an idea that is closely linked to the concept of value, both in economic and social terms. Because change is driven by our aspiration, but above all by our actions, and the positive effects of these.

| | | | | |
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| Building Automation  <i>pag. 516</i> | City Vision  <i>pag. 558</i> | 38 LAN  <i>pag. 590</i> | 28 SPIC  <i>pag. 604</i> | Domo Center  <i>pag. 616</i> |
| MTX  <i>pag. 765</i> | 97 MSS  <i>pag. 817</i> | 47 CVX 160 I / E  <i>pag. 827</i> | 47 CVX 630 K/M  <i>pag. 859</i> | 47 CVX 1600  <i>pag. 912</i> |
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Chorus RF


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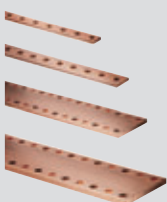

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90 AM


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IEC 309


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68 Q-DIN


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68 ACS


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40 CD


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40 CD_E

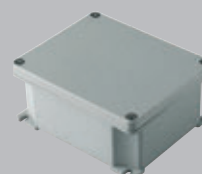

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42 RV


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DOMOTICS



DOMESTIC RANGES

| | | |
|--------------------------------------|---|------------|
| Chorus | Plates and modular devices | 28 |
| Chorus British Standard | Plates and devices | 254 |
| Chorus South African Standard | Plates and devices | 282 |
| System 27 Combi | Plates and modular devices | 300 |
| | Wall-mounting enclosures and modular components | 378 |
| Playbus | Plates and modular devices | 406 |
| Dahlia | Plates and devices | 448 |

POWER



AUTOMATIC RECLOSING DEVICES

| | | |
|-------------------|-----------------------|------------|
| 90 ReStart | ReStart with Autotest | 642 |
| | ReStart RD for RCCB | 644 |
| | ReStart RM for RCBO | 646 |

MODULAR CIRCUIT BREAKERS FOR CIRCUIT PROTECTION

| | | |
|---------------|--|------------|
| 90 MCB | MTC - Compact miniature circuit breakers | 660 |
| | MT - Miniature circuit breakers | 663 |
| | MTHP - High performance miniature circuit breakers | 673 |

BUILDING



IEC 309 PLUGS AND SOCKET-OUTLETS

| | | |
|--------------------|--|-------------|
| IEC 309 HP | Plugs and socket-outlets IEC 309 standard | 980 |
| IEC 309 BTS | Extra-low voltage plugs and socket-outlets IEC 309 standard | 1021 |
| IEC 309 MA | Multiple sockets and adaptor for industrial and domestic use, protected and watertight | 1031 |

INTERLOCKED SOCKET-OUTLET IEC 309 STANDARD

| | | |
|-----------|---|-------------|
| IB | Interlocked socket-outlets IEC 309 standard | 1046 |
|-----------|---|-------------|

IEC 309 COMBINED BOARDS

| | | |
|-----------------|--|-------------|
| 68 Q-DIN | Distribution boards | 1092 |
| 68 ACS | ACS distribution board system for construction sites | 1112 |
| 68 Q-MC | Energy and service distribution pedestals | 1140 |

ELECTRIC VEHICLE RECHARGING

| | | |
|--------------------|---|-------------|
| R-Evolution | Units for electrical vehicle recharging | 1175 |
|--------------------|---|-------------|

DOMOTIC SOLUTIONS

| | | |
|----------------------------|------------------|------------|
| Chorus RF | Wireless devices | 472 |
| System RF | Wireless devices | 482 |
| Home Automation | KNX Easy bus | 491 |
| Building Automation | KNX Bus | 516 |

VIDEO ENTRYPHONES

| | | |
|--------------------|-----------------------------------|------------|
| City Vision | Entryphones and video entryphones | 558 |
|--------------------|-----------------------------------|------------|

DATA AND ENERGY DISTRIBUTION

| | | |
|----------------|---|------------|
| 38 LAN | Network cabling | 590 |
| 28 SPIC | Plugs, sockets and adapters for domestic and similar uses | 604 |

FLUSH-MOUNTING AND SURFACE-MOUNTING BOARDS

| | | |
|--------------------|---|-------------|
| Domo Center | Flush-mounting system columns for distribution, H&B automation and data | 616 |
| Green Wall | Flush-mounting system for plasterboard walls | 1336 |
| 40 CDi | Flush-mounting distribution boards and enclosures | 1362 |
| 48 | Flush-mounting junction and modular range boxes | 1389 |
| 24 SC | Flush-mounting, surface and underfloor boxes | 1405 |

RESIDUAL CURRENT PROTECTION CIRCUIT BREAKERS

| | | |
|---------------|--|------------|
| 90 RCD | MDC - Monobloc compact RCBO's | 686 |
| | BD - Add-on residual current devices for MT circuit breakers | 697 |
| | IDP - Residual current circuit breakers | 701 |

MODULAR ACCESSORIES

| | | |
|--------------|-----------------------------------|------------|
| 90 AM | Modular accessories | 710 |
| 90 PV | Products for photovoltaic systems | 746 |

MOULDED CASE DEVICES

| | | |
|---------------|--|------------|
| MTX | Moulded case circuit breakers for power distribution | 765 |
| 97 MSS | Rotary switch disconnectors | 817 |

DISTRIBUTION BOARDS

| | | |
|---------------------|--|------------|
| 47 CVX 160 I | Flush-mounting distribution boards up to 160 A | 827 |
| 47 CVX 160 E | Wall-mounting distribution boards up to 160 A with extractable frame | 840 |
| 47 CVX 630 K | Modular distribution boards up to 630 A - IP43 | 859 |
| 47 CVX 630 M | Monobloc distribution boards up to 630 A - IP 55 | 882 |

DISTRIBUTION CABINETS

| | | |
|--------------------|--|------------|
| 47 CVX 1600 | Floor-mounting cabinet up to 3200 A | 912 |
| 47 BUSBAR | Distribution systems for distribution boards | 953 |

CONTROL AND SIGNALLING

| | | |
|--------------|---|-------------|
| 70 RT | Rotary switches | 1193 |
| 74 PS | Push-buttons, selectors and indicators Ø 22mm | 1203 |

SURFACE-MOUNTING BOARDS

| | | |
|-------------------|--|-------------|
| 46 | Watertight surface-mounting distribution and automation boards | 1220 |
| 40 CD | Surface-mounting distribution boards and enclosures | 1252 |
| 40 CDE | Enclosures and distribution boards for specific standards | 1268 |
| 42 RV | Surface- and flush-mounting watertight emergency enclosures | 1292 |
| 44 CE | Technopolymer surface-mounting watertight junction boxes | 1303 |
| GW Connect | Metal surface-mounting watertight junction boxes | 1320 |
| 42 TV | Multifunctional supporting bases | 1325 |

FLUSH-MOUNTING BOARDS

| | | |
|--------------------|---|-------------|
| Domo Center | Flush-mounting system columns for distribution, H&B automation and data | 616 |
| Green Wall | Flush-mounting system for plasterboard walls | 1336 |
| 40 CDi | Flush-mounting distribution boards and enclosures | 1362 |
| 48 | Flush-mounting junction and modular range boxes | 1389 |
| 24 SC | Flush-mounting, surface and underfloor boxes | 1405 |

CONDUITS AND INSTALLATION ACCESSORIES

| | | |
|---------------|---------------------------------------|-------------|
| RK | Rigid protective conduit systems | 1424 |
| FK | Pliable protective conduit systems | 1446 |
| DF | Flexible protective conduit systems | 1464 |
| FU/PZ | Cable duct and access chamber systems | 1477 |
| GW FIT | Cable duct and access chamber systems | 1494 |



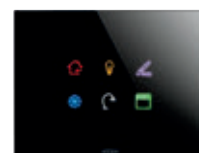
DOMESTIC RANGES

GEWISS offers a wide choice of domestic ranges that meet every installation need in the residential and commercial sector, at both national and international level. Including: the CHORUS range of plates with unmistakable shapes and components that come in a multitude of colours and finishes; the SYSTEM range that is suitable for any living context and can be combined with the 27 COMBI modular containers; the PLAYBUS range, ideal for flush-mounting applications; the Dahlia range composed of monobloc devices, that is specific for installations on round boxes.



DOMOTIC SOLUTIONS

The GEWISS range offers the possibility to create a wide array of domotic functions (light control, roller shutter movement, climate control, comfort, safety, energy savings, load management, integration with burglar alarm and video entryphone systems, remote control (via a smartphone/tablet) in the residential and commercial environment, taking full advantage of various technologies: traditional, wireless (radio frequency), KNX BUS (Home and Building Automation), mixed wire/wireless (burglar alarm system).



VIDEO ENTRYPHONES

City Vision is the GEWISS video entryphone range enabling the creation of complete, practical systems that span from the individual home to the most extended residential complex, from a simple entryphone to integration with the latest technologies. Based on the consolidated 2-wire technology, City Vision can be integrated with the KNX domotic system but stands out for its particularly refined design and its high standards of quality and reliability.



DATA AND ENERGY DISTRIBUTION

The speed and reliability of the networks play an ever more important role in the communication sector. For this reason, GEWISS has created the 38 LAN range: a complete, integrated range of products for LAN structured network cabling. A solution that stands out for the extreme flexibility it offers in terms of office workstation configuration, as well as the simplicity and speed of wiring and the superior reliability of the connections. Gewiss also offers an extensive range of power take-offs, with plugs, socket-outlets, adapters and multiple mobile sockets.



FLUSH-MOUNTING AND SURFACE-MOUNTING BOARDS

GEWISS offers a wide choice for energy distribution: Flush-mounting distribution boards and enclosures, boxes for domestic and domotics ranges (for masonry and plaster walls), outlet boxes for floor-mounting installations with customisable capacity and design finishes, and system columns with a modern design (Domo Center) for centralising and rationalising wiring in traditional or domotic systems.



Domestic ranges

Chorus

PLATES AND MODULAR DEVICES



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Chorus British Standard

PLATES AND DEVICES



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Chorus South African Standard

PLATES AND DEVICES



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System

PLATES AND MODULAR DEVICES



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27 Combi

WALL-MOUNTING ENCLOSURES
AND MODULAR COMPONENTS



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Playbus

PLATES AND MODULAR DEVICES



pag. 406


Dahlia

PLATES AND DEVICES







pag. 448

ONE INTERNATIONAL PLATES

| | | | | | | |
|-----------------------|--|--|--|--|--|--|
| Technopolymer | MILK WHITE | | IVORY | | TITANIUM | |
| |  | |  | |  | |
| | GW 16 122 TB 2 gang | | GW 16 122 TI 2 gang | | GW 16 122 VT 2 gang | |
| | GW 16 123 TB 2+2 horizontal gang | | GW 16 123 TI 2+2 horizontal gang | | GW 16 123 VT 2+2 horizontal gang | |
| | GW 16 124 TB 2+2 vertical gang | | GW 16 124 TI 2+2 vertical gang | | GW 16 124 VT 2+2 vertical gang | |
| | GW 16 125 TB 2+2 vertical gang 57 mm | | GW 16 126 TI 2+2+2 horizontal gang | | GW 16 126 VT 2+2+2 horizontal gang | |
| | GW 16 126 TB 2+2+2 horizontal gang | | GW 16 127 TI 2+2+2 vertical gang | | GW 16 127 VT 2+2+2 vertical gang | |
| | GW 16 127 TB 2+2+2 vertical gang | | GW 16 128 TI 2+2+2+2 horizontal gang | | GW 16 128 VT 2+2+2+2 horizontal gang | |
| | GW 16 128 TB 2+2+2+2 horizontal gang | | GW 16 129 TI 2+2+2+2 vertical gang | | GW 16 129 VT 2+2+2+2 vertical gang | |
| | GW 16 129 TB 2+2+2+2 vertical gang | | | | | |
| Painted technopolymer | TONER BLACK | | HEMP | | SLATE | |
| |  | |  | |  | |
| | GW 16 122 TN 2 gang | | GW 16 122 TC 2 gang | | GW 16 122 VA 2 gang | |
| | GW 16 123 TN 2+2 horizontal gang | | GW 16 123 TC 2+2 horizontal gang | | GW 16 123 VA 2+2 horizontal gang | |
| | GW 16 124 TN 2+2 vertical gang | | GW 16 124 TC 2+2 vertical gang | | GW 16 124 VA 2+2 vertical gang | |
| | GW 16 126 TN 2+2+2 horizontal gang | | GW 16 126 TC 2+2+2 horizontal gang | | GW 16 126 VA 2+2+2 horizontal gang | |
| | GW 16 127 TN 2+2+2 vertical gang | | GW 16 127 TC 2+2+2 vertical gang | | GW 16 127 VA 2+2+2 vertical gang | |
| | GW 16 128 TN 2+2+2+2 horizontal gang | | GW 16 128 TC 2+2+2+2 horizontal gang | | GW 16 128 VA 2+2+2+2 horizontal gang | |
| | GW 16 129 TN 2+2+2+2 vertical gang | | GW 16 129 TC 2+2+2+2 vertical gang | | GW 16 129 VA 2+2+2+2 vertical gang | |
| | | | | | | |

ONE INTERNATIONAL PLATES

| | | | | |
|--------------------------|---------------|---|--------------|---|
| Metallised technopolymer | CHROME |  | GOLD |  |
| | GW 16 122 MC | 2 gang | GW 16 122 MO | 2 gang |
| | GW 16 123 MC | 2+2 horizontal gang | GW 16 123 MO | 2+2 horizontal gang |
| | GW 16 124 MC | 2+2 vertical gang | GW 16 124 MO | 2+2 vertical gang |
| | GW 16 126 MC | 2+2+2 horizontal gang | GW 16 126 MO | 2+2+2 horizontal gang |
| | GW 16 127 MC | 2+2+2 vertical gang | GW 16 127 MO | 2+2+2 vertical gang |
| | GW 16 128 MC | 2+2+2+2 horizontal gang | GW 16 128 MO | 2+2+2+2 horizontal gang |
| | GW 16 129 MC | 2+2+2+2 vertical gang | GW 16 129 MO | 2+2+2+2 vertical gang |

| | | | | |
|--|--------------|--|-----------------|--|
| Painted technopolymer - Pastel colours | RUBY |  | SEA BLUE |  |
| | GW 16 122 VR | 2 gang | GW 16 122 VB | 2 gang |
| | GW 16 123 VR | 2+2 horizontal gang | GW 16 123 VB | 2+2 horizontal gang |
| | GW 16 124 VR | 2+2 vertical gang | GW 16 124 VB | 2+2 vertical gang |
| | GW 16 126 VR | 2+2+2 horizontal gang | GW 16 126 VB | 2+2+2 horizontal gang |
| | GW 16 127 VR | 2+2+2 vertical gang | GW 16 127 VB | 2+2+2 vertical gang |
| | GW 16 128 VR | 2+2+2+2 horizontal gang | GW 16 128 VB | 2+2+2+2 horizontal gang |
| | GW 16 129 VR | 2+2+2+2 vertical gang | GW 16 129 VB | 2+2+2+2 vertical gang |

Modularity

Centre distance 71 mm



2+2+2+2 gang


2 gang 2+2 gang 2+2+2 gang 2+2 gang (*) 2+2+2 gang 2+2+2+2 gang

(*) Available also with centre distance 57 mm (only milk white)

GEO INTERNATIONAL PLATES


Technopolymer

MILK WHITE



| | |
|--------------|-----------------------|
| GW 16 422 TB | 2 gang |
| GW 16 423 TB | 2+2 horizontal gang |
| GW 16 424 TB | 2+2 vertical gang |
| GW 16 426 TB | 2+2+2 horizontal gang |
| GW 16 427 TB | 2+2+2 vertical gang |


TONER BLACK



| | |
|--------------|-----------------------|
| GW 16 422 TN | 2 gang |
| GW 16 423 TN | 2+2 horizontal gang |
| GW 16 424 TN | 2+2 vertical gang |
| GW 16 426 TN | 2+2+2 horizontal gang |
| GW 16 427 TN | 2+2+2 vertical gang |


Painted technopolymer

IVORY




| | |
|--------------|-----------------------|
| GW 16 422 TI | 2 gang |
| GW 16 423 TI | 2+2 horizontal gang |
| GW 16 424 TI | 2+2 vertical gang |
| GW 16 426 TI | 2+2+2 horizontal gang |
| GW 16 427 TI | 2+2+2 vertical gang |

HEMP




| | |
|--------------|-----------------------|
| GW 16 422 TC | 2 gang |
| GW 16 423 TC | 2+2 horizontal gang |
| GW 16 424 TC | 2+2 vertical gang |
| GW 16 426 TC | 2+2+2 horizontal gang |
| GW 16 427 TC | 2+2+2 vertical gang |

TITANIUM



| | |
|--------------|-----------------------|
| GW 16 422 VT | 2 gang |
| GW 16 423 VT | 2+2 horizontal gang |
| GW 16 424 VT | 2+2 vertical gang |
| GW 16 426 VT | 2+2+2 horizontal gang |
| GW 16 427 VT | 2+2+2 vertical gang |

SLATE




| | |
|--------------|-----------------------|
| GW 16 422 VA | 2 gang |
| GW 16 423 VA | 2+2 horizontal gang |
| GW 16 424 VA | 2+2 vertical gang |
| GW 16 426 VA | 2+2+2 horizontal gang |
| GW 16 427 VA | 2+2+2 vertical gang |

GEO INTERNATIONAL PLATES


DOMESTIC RANGES

Metallised technopolymer

CHROME




GOLD




| | | | |
|--------------|-----------------------|--------------|-----------------------|
| GW 16 422 MC | 2 gang | GW 16 422 MO | 2 gang |
| GW 16 423 MC | 2+2 horizontal gang | GW 16 423 MO | 2+2 horizontal gang |
| GW 16 424 MC | 2+2 vertical gang | GW 16 424 MO | 2+2 vertical gang |
| GW 16 426 MC | 2+2+2 horizontal gang | GW 16 426 MO | 2+2+2 horizontal gang |
| GW 16 427 MC | 2+2+2 vertical gang | GW 16 427 MO | 2+2+2 vertical gang |

Painted technopolymer - Pastel colours

RUBY



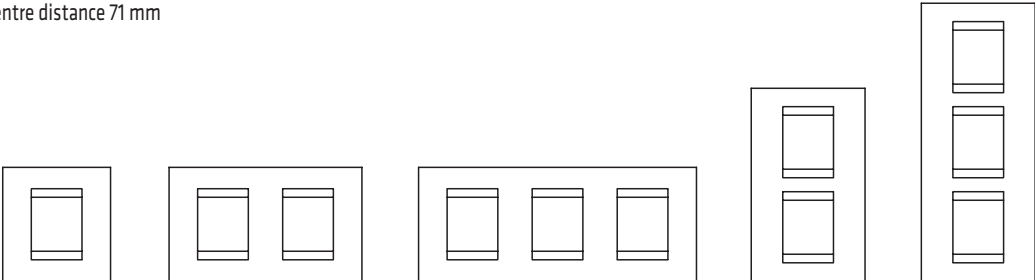
SEA BLUE



| | | | |
|--------------|-----------------------|--------------|-----------------------|
| GW 16 422 VR | 2 gang | GW 16 422 VB | 2 gang |
| GW 16 423 VR | 2+2 horizontal gang | GW 16 423 VB | 2+2 horizontal gang |
| GW 16 424 VR | 2+2 vertical gang | GW 16 424 VB | 2+2 vertical gang |
| GW 16 426 VR | 2+2+2 horizontal gang | GW 16 426 VB | 2+2+2 horizontal gang |
| GW 16 427 VR | 2+2+2 vertical gang | GW 16 427 VB | 2+2+2 vertical gang |

Modularity

Centre distance 71 mm



2 gang

2+2 gang

2+2+2 gang

2+2 gang

2+2+2 gang

LUX INTERNATIONAL PLATES

Technopolymer

MILK WHITE

MONOCHROME MILK WHITE

| | | |
|--------------|-------------------------|--------------|
| GW 16 222 TB | 2 gang | GW 16 222 YB |
| GW 16 223 TB | 2+2 horizontal gang | GW 16 223 YB |
| GW 16 224 TB | 2+2 vertical gang | GW 16 224 YB |
| GW 16 225 TB | 2+2 vertical gang 57 mm | |
| GW 16 226 TB | 2+2+2 horizontal gang | GW 16 226 YB |
| GW 16 227 TB | 2+2+2 vertical gang | GW 16 227 YB |
| GW 16 228 TB | 2+2+2+2 horizontal gang | GW 16 228 YB |
| GW 16 229 TB | 2+2+2+2 vertical gang | GW 16 229 YB |

Painted technopolymer

TONER BLACK

| | |
|--------------|-------------------------|
| GW 16 222 TN | 2 gang |
| GW 16 223 TN | 2+2 horizontal gang |
| GW 16 224 TN | 2+2 vertical gang |
| GW 16 226 TN | 2+2+2 horizontal gang |
| GW 16 227 TN | 2+2+2 vertical gang |
| GW 16 228 TN | 2+2+2+2 horizontal gang |
| GW 16 229 TN | 2+2+2+2 vertical gang |

TITANIUM

| | |
|--------------|-------------------------|
| GW 16 222 VT | 2 gang |
| GW 16 223 VT | 2+2 horizontal gang |
| GW 16 224 VT | 2+2 vertical gang |
| GW 16 226 VT | 2+2+2 horizontal gang |
| GW 16 227 VT | 2+2+2 vertical gang |
| GW 16 228 VT | 2+2+2+2 horizontal gang |
| GW 16 229 VT | 2+2+2+2 vertical gang |

Metalised technopolymer

CHROME

| | |
|--------------|-------------------------|
| GW 16 222 MC | 2 gang |
| GW 16 223 MC | 2+2 horizontal gang |
| GW 16 224 MC | 2+2 vertical gang |
| GW 16 226 MC | 2+2+2 horizontal gang |
| GW 16 227 MC | 2+2+2 vertical gang |
| GW 16 228 MC | 2+2+2+2 horizontal gang |
| GW 16 229 MC | 2+2+2+2 vertical gang |

SLATE

| | |
|--------------|-------------------------|
| GW 16 222 VA | 2 gang |
| GW 16 223 VA | 2+2 horizontal gang |
| GW 16 224 VA | 2+2 vertical gang |
| GW 16 226 VA | 2+2+2 horizontal gang |
| GW 16 227 VA | 2+2+2 vertical gang |
| GW 16 228 VA | 2+2+2+2 horizontal gang |
| GW 16 229 VA | 2+2+2+2 vertical gang |

GOLD

| | |
|--------------|-------------------------|
| GW 16 222 MO | 2 gang |
| GW 16 223 MO | 2+2 horizontal gang |
| GW 16 224 MO | 2+2 vertical gang |
| GW 16 226 MO | 2+2+2 horizontal gang |
| GW 16 227 MO | 2+2+2 vertical gang |
| GW 16 228 MO | 2+2+2+2 horizontal gang |
| GW 16 229 MO | 2+2+2+2 vertical gang |

Technopolymer - Wood finish

MAPLE

| | |
|--------------|-------------------------|
| GW 16 222 LA | 2 gang |
| GW 16 223 LA | 2+2 horizontal gang |
| GW 16 224 LA | 2+2 vertical gang |
| GW 16 226 LA | 2+2+2 horizontal gang |
| GW 16 227 LA | 2+2+2 vertical gang |
| GW 16 228 LA | 2+2+2+2 horizontal gang |
| GW 16 229 LA | 2+2+2+2 vertical gang |

WENGE

| | |
|--------------|-------------------------|
| GW 16 222 LW | 2 gang |
| GW 16 223 LW | 2+2 horizontal gang |
| GW 16 224 LW | 2+2 vertical gang |
| GW 16 226 LW | 2+2+2 horizontal gang |
| GW 16 227 LW | 2+2+2 vertical gang |
| GW 16 228 LW | 2+2+2+2 horizontal gang |
| GW 16 229 LW | 2+2+2+2 vertical gang |

CHERRY

| | |
|--------------|-------------------------|
| GW 16 222 LC | 2 gang |
| GW 16 223 LC | 2+2 horizontal gang |
| GW 16 224 LC | 2+2 vertical gang |
| GW 16 226 LC | 2+2+2 horizontal gang |
| GW 16 227 LC | 2+2+2 vertical gang |
| GW 16 228 LC | 2+2+2+2 horizontal gang |
| GW 16 229 LC | 2+2+2+2 vertical gang |

BLACK

| | |
|--------------|-------------------------|
| GW 16 222 PN | 2 gang |
| GW 16 223 PN | 2+2 horizontal gang |
| GW 16 224 PN | 2+2 vertical gang |
| GW 16 226 PN | 2+2+2 horizontal gang |
| GW 16 227 PN | 2+2+2 vertical gang |
| GW 16 228 PN | 2+2+2+2 horizontal gang |
| GW 16 229 PN | 2+2+2+2 vertical gang |

WHITE


| | |
|--------------|-------------------------|
| GW 16 222 PB | 2 gang |
| GW 16 223 PB | 2+2 horizontal gang |
| GW 16 224 PB | 2+2 vertical gang |
| GW 16 226 PB | 2+2+2 horizontal gang |
| GW 16 227 PB | 2+2+2 vertical gang |
| GW 16 228 PB | 2+2+2+2 horizontal gang |
| GW 16 229 PB | 2+2+2+2 vertical gang |

RUBY

| | |
|--------------|-------------------------|
| GW 16 222 PR | 2 gang |
| GW 16 223 PR | 2+2 horizontal gang |
| GW 16 224 PR | 2+2 vertical gang |
| GW 16 226 PR | 2+2+2 horizontal gang |
| GW 16 227 PR | 2+2+2 vertical gang |
| GW 16 228 PR | 2+2+2+2 horizontal gang |
| GW 16 229 PR | 2+2+2+2 vertical gang |

Technopolymer - Leather finish

LUX INTERNATIONAL PLATES

| | | | | | | |
|------------------------------|---|-------------------------|---|-------------------------|---|-------------------------|
| Technopolymer - Stone finish | LAVA | | SAND | | MOON | |
| |  | |  | |  | |
| | GW 16 222 RL | 2 gang | GW 16 222 RS | 2 gang | GW 16 222 RN | 2 gang |
| | GW 16 223 RL | 2+2 horizontal gang | GW 16 223 RS | 2+2 horizontal gang | GW 16 223 RN | 2+2 horizontal gang |
| | GW 16 224 RL | 2+2 vertical gang | GW 16 224 RS | 2+2 vertical gang | GW 16 224 RN | 2+2 vertical gang |
| | GW 16 226 RL | 2+2+2 horizontal gang | GW 16 226 RS | 2+2+2 horizontal gang | GW 16 226 RN | 2+2+2 horizontal gang |
| | GW 16 227 RL | 2+2+2 vertical gang | GW 16 227 RS | 2+2+2 vertical gang | GW 16 227 RN | 2+2+2 vertical gang |
| | GW 16 228 RL | 2+2+2+2 horizontal gang | GW 16 228 RS | 2+2+2+2 horizontal gang | GW 16 228 RN | 2+2+2+2 horizontal gang |
| | GW 16 229 RL | 2+2+2+2 vertical gang | GW 16 229 RS | 2+2+2+2 vertical gang | GW 16 229 RN | 2+2+2+2 vertical gang |
| | | | | | | |
| Metal | BRUSHED STAINLESS STEEL | | BLACK ALUMINIUM | | OXIDISED FINISH | |
| |  | |  | |  | |
| | GW 16 222 MI | 2 gang | GW 16 222 MA | 2 gang | GW 16 222 MF | 2 gang |
| | GW 16 223 MI | 2+2 horizontal gang | GW 16 223 MA | 2+2 horizontal gang | GW 16 223 MF | 2+2 horizontal gang |
| | GW 16 224 MI | 2+2 vertical gang | GW 16 224 MA | 2+2 vertical gang | GW 16 224 MF | 2+2 vertical gang |
| | GW 16 226 MI | 2+2+2 horizontal gang | GW 16 226 MA | 2+2+2 horizontal gang | GW 16 226 MF | 2+2+2 horizontal gang |
| | GW 16 227 MI | 2+2+2 vertical gang | GW 16 227 MA | 2+2+2 vertical gang | GW 16 227 MF | 2+2+2 vertical gang |
| | GW 16 228 MI | 2+2+2+2 horizontal gang | GW 16 228 MA | 2+2+2+2 horizontal gang | GW 16 228 MF | 2+2+2+2 horizontal gang |
| | GW 16 229 MI | 2+2+2+2 vertical gang | GW 16 229 MA | 2+2+2+2 vertical gang | GW 16 229 MF | 2+2+2+2 vertical gang |
| | | | | | | |
| Glass | ICE | | AQUAMARINE | | OCHRE | |
| |  | |  | |  | |
| | GW 16 222 CG | 2 gang | GW 16 222 CA | 2 gang | GW 16 222 CO | 2 gang |
| | GW 16 223 CG | 2+2 horizontal gang | GW 16 223 CA | 2+2 horizontal gang | GW 16 223 CO | 2+2 horizontal gang |
| | GW 16 224 CG | 2+2 vertical gang | GW 16 224 CA | 2+2 vertical gang | GW 16 224 CO | 2+2 vertical gang |
| | GW 16 226 CG | 2+2+2 horizontal gang | GW 16 226 CA | 2+2+2 horizontal gang | GW 16 226 CO | 2+2+2 horizontal gang |
| | GW 16 227 CG | 2+2+2 vertical gang | GW 16 227 CA | 2+2+2 vertical gang | GW 16 227 CO | 2+2+2 vertical gang |
| | GW 16 228 CG | 2+2+2+2 horizontal gang | GW 16 228 CA | 2+2+2+2 horizontal gang | GW 16 228 CO | 2+2+2+2 horizontal gang |
| | GW 16 229 CG | 2+2+2+2 vertical gang | GW 16 229 CA | 2+2+2+2 vertical gang | GW 16 229 CO | 2+2+2+2 vertical gang |
| | | | | | | |

| | | | | | | |
|------------|--|----------|------------|--------------|------------|--------------|
| Modularity | Centre distance 71 mm | | | | | |
| |  | | | | | |
| | 2+2+2+2 gang | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | 2 gang | 2+2 gang | 2+2+2 gang | 2+2 gang (*) | 2+2+2 gang | 2+2+2+2 gang |

(*) Available also with centre distance 57 mm (only milk white)

For customized plates please contact our GEWISS Sales Organization

ONE PLATES

MILK WHITE



| | |
|--------------|----------|
| GW 16 101 TB | 1 gang |
| GW 16 102 TB | 2 gang |
| GW 16 103 TB | 3 gang |
| GW 16 104 TB | 4 gang |
| GW 16 106 TB | 6 gang |
| GW 16 108 TB | 4+4 gang |
| GW 16 112 TB | 6+6 gang |

IVORY



| | |
|--------------|--------|
| GW 16 101 TI | 1 gang |
| GW 16 102 TI | 2 gang |
| GW 16 103 TI | 3 gang |
| GW 16 104 TI | 4 gang |
| GW 16 106 TI | 6 gang |

TITANIUM



| | |
|--------------|----------|
| GW 16 101 VT | 1 gang |
| GW 16 102 VT | 2 gang |
| GW 16 103 VT | 3 gang |
| GW 16 104 VT | 4 gang |
| GW 16 106 VT | 6 gang |
| GW 16 108 VT | 4+4 gang |
| GW 16 112 VT | 6+6 gang |

TONER BLACK



| | |
|--------------|--------|
| GW 16 101 TN | 1 gang |
| GW 16 102 TN | 2 gang |
| GW 16 103 TN | 3 gang |
| GW 16 104 TN | 4 gang |
| GW 16 106 TN | 6 gang |

HEMP



| | |
|--------------|--------|
| GW 16 101 TC | 1 gang |
| GW 16 102 TC | 2 gang |
| GW 16 103 TC | 3 gang |
| GW 16 104 TC | 4 gang |
| GW 16 106 TC | 6 gang |

SLATE



| | |
|--------------|--------|
| GW 16 101 VA | 1 gang |
| GW 16 102 VA | 2 gang |
| GW 16 103 VA | 3 gang |
| GW 16 104 VA | 4 gang |
| GW 16 106 VA | 6 gang |

OPAL ORANGE



| | |
|--------------|--------|
| GW 16 103 TO | 3 gang |
| GW 16 104 TO | 4 gang |

SAPPHIRE PINK



| | |
|--------------|--------|
| GW 16 103 TZ | 3 gang |
| GW 16 104 TZ | 4 gang |

SATIN BLACK



| | |
|--------------|--------|
| GW 16 103 VN | 3 gang |
| GW 16 104 VN | 4 gang |
| GW 16 106 VN | 6 gang |

CARIBBEAN BLUE



| | |
|--------------|--------|
| GW 16 103 TL | 3 gang |
| GW 16 104 TL | 4 gang |

TOPAZ BLUE



| | |
|--------------|--------|
| GW 16 103 TT | 3 gang |
| GW 16 104 TT | 4 gang |

AMETHYST PURPLE



| | |
|--------------|--------|
| GW 16 103 TA | 3 gang |
| GW 16 104 TA | 4 gang |


Painted technopolymer

Technopolymer

ONE PLATES


Metallised technopolymer

CHROME



| | |
|--------------|--------|
| GW 16 101 MC | 1 gang |
| GW 16 102 MC | 2 gang |
| GW 16 103 MC | 3 gang |
| GW 16 104 MC | 4 gang |
| GW 16 106 MC | 6 gang |


GOLD



| | |
|--------------|--------|
| GW 16 101 MO | 1 gang |
| GW 16 102 MO | 2 gang |
| GW 16 103 MO | 3 gang |
| GW 16 104 MO | 4 gang |
| GW 16 106 MO | 6 gang |


Painted technopolymer - Pastel colours

RUBY



| | |
|--------------|--------|
| GW 16 101 VR | 1 gang |
| GW 16 102 VR | 2 gang |
| GW 16 103 VR | 3 gang |
| GW 16 104 VR | 4 gang |
| GW 16 106 VR | 6 gang |

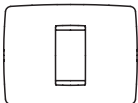
SEA BLUE



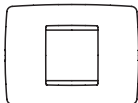
| | |
|--------------|--------|
| GW 16 101 VB | 1 gang |
| GW 16 102 VB | 2 gang |
| GW 16 103 VB | 3 gang |
| GW 16 104 VB | 4 gang |
| GW 16 106 VB | 6 gang |

Modularity

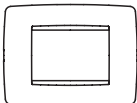
(*) Milk white and titanium



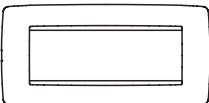
1 gang



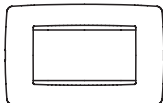
2 gang



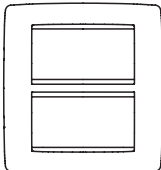
3 gang



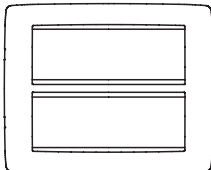
6 gang



4 gang



4+4 gang (*)



6+6 gang (*)

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GEO PLATES

MILK WHITE



| | |
|--------------|--------|
| GW 16 401 TB | 1 gang |
| GW 16 402 TB | 2 gang |
| GW 16 403 TB | 3 gang |
| GW 16 404 TB | 4 gang |
| GW 16 406 TB | 6 gang |

IVORY



| | |
|--------------|--------|
| GW 16 401 TI | 1 gang |
| GW 16 402 TI | 2 gang |
| GW 16 403 TI | 3 gang |
| GW 16 404 TI | 4 gang |
| GW 16 406 TI | 6 gang |

TITANIUM



| | |
|--------------|--------|
| GW 16 401 VT | 1 gang |
| GW 16 402 VT | 2 gang |
| GW 16 403 VT | 3 gang |
| GW 16 404 VT | 4 gang |
| GW 16 406 VT | 6 gang |

TONER BLACK



| | |
|--------------|--------|
| GW 16 401 TN | 1 gang |
| GW 16 402 TN | 2 gang |
| GW 16 403 TN | 3 gang |
| GW 16 404 TN | 4 gang |
| GW 16 406 TN | 6 gang |

HEMP



| | |
|--------------|--------|
| GW 16 401 TC | 1 gang |
| GW 16 402 TC | 2 gang |
| GW 16 403 TC | 3 gang |
| GW 16 404 TC | 4 gang |
| GW 16 406 TC | 6 gang |

SLATE



| | |
|--------------|--------|
| GW 16 401 VA | 1 gang |
| GW 16 402 VA | 2 gang |
| GW 16 403 VA | 3 gang |
| GW 16 404 VA | 4 gang |
| GW 16 406 VA | 6 gang |

OPAL ORANGE



| | |
|--------------|--------|
| GW 16 403 TO | 3 gang |
| GW 16 404 TO | 4 gang |

SAPPHIRE PINK



| | |
|--------------|--------|
| GW 16 403 TZ | 3 gang |
| GW 16 404 TZ | 4 gang |

SATIN BLACK



| | |
|--------------|--------|
| GW 16 403 VN | 3 gang |
| GW 16 404 VN | 4 gang |
| GW 16 406 VN | 6 gang |

CARIBBEAN BLUE



| | |
|--------------|--------|
| GW 16 403 TL | 3 gang |
| GW 16 404 TL | 4 gang |

TOPAZ BLUE



| | |
|--------------|--------|
| GW 16 403 TT | 3 gang |
| GW 16 404 TT | 4 gang |

AMETHYST PURPLE



| | |
|--------------|--------|
| GW 16 403 TA | 3 gang |
| GW 16 404 TA | 4 gang |

Painted technopolymer

Technopolymer

GEO PLATES

DOMESTIC RANGES

Metallised technopolymer

CHROME



| | |
|--------------|--------|
| GW 16 401 MC | 1 gang |
| GW 16 402 MC | 2 gang |
| GW 16 403 MC | 3 gang |
| GW 16 404 MC | 4 gang |
| GW 16 406 MC | 6 gang |

GOLD



| | |
|--------------|--------|
| GW 16 401 MO | 1 gang |
| GW 16 402 MO | 2 gang |
| GW 16 403 MO | 3 gang |
| GW 16 404 MO | 4 gang |
| GW 16 406 MO | 6 gang |

Painted technopolymer - Pastel colours

RUBY



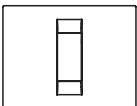
| | |
|--------------|--------|
| GW 16 401 VR | 1 gang |
| GW 16 402 VR | 2 gang |
| GW 16 403 VR | 3 gang |
| GW 16 404 VR | 4 gang |
| GW 16 406 VR | 6 gang |

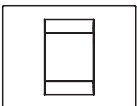
SEA BLUE

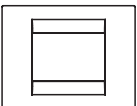


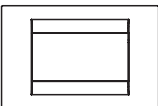
| | |
|--------------|--------|
| GW 16 401 VB | 1 gang |
| GW 16 402 VB | 2 gang |
| GW 16 403 VB | 3 gang |
| GW 16 404 VB | 4 gang |
| GW 16 406 VB | 6 gang |

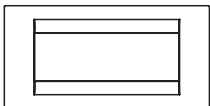
Modularity


1 gang



2 gang


3 gang


4 gang













6 gang

LUX PLATES

| | | | | | | | |
|---------------|--------------------------|---|--|---|--|---|--|
| Technopolymer | Painted technopolymer | MILK WHITE | | TITANIUM | | CHROME | |
| | |  | |  | |  | |
| | | GW 16 202 TB 2 gang | | GW 16 202 VT 2 gang | | GW 16 202 MC 2 gang | |
| | | GW 16 203 TB 3 gang | | GW 16 203 VT 3 gang | | GW 16 203 MC 3 gang | |
| Wood | Metallised technopolymer | TONER BLACK | | SLATE | | GOLD | |
| | |  | |  | |  | |
| | | GW 16 202 TN 2 gang | | GW 16 202 VA 2 gang | | GW 16 202 MO 2 gang | |
| | | GW 16 203 TN 3 gang | | GW 16 203 VA 3 gang | | GW 16 203 MO 3 gang | |
| Leather | | MAPLE | | WENGE | | CHERRY | |
| | |  | |  | |  | |
| | | GW 16 202 LA 2 gang | | GW 16 202 LW 2 gang | | GW 16 202 LC 2 gang | |
| | | GW 16 203 LA 3 gang | | GW 16 203 LW 3 gang | | GW 16 203 LC 3 gang | |
| Glass | | BLACK | | WHITE | | RUBY | |
| | |  | |  | |  | |
| | | GW 16 202 PN 2 gang | | GW 16 202 PB 2 gang | | GW 16 202 PR 2 gang | |
| | | GW 16 203 PN 3 gang | | GW 16 203 PB 3 gang | | GW 16 203 PR 3 gang | |
| | | ICE | | AQUAMARINE | | OCHRE | |
| | |  | |  | |  | |
| | | GW 16 202 CG 2 gang | | GW 16 202 CA 2 gang | | GW 16 202 CO 2 gang | |
| | | GW 16 203 CG 3 gang | | GW 16 203 CA 3 gang | | GW 16 203 CO 3 gang | |
| | | GW 16 204 TB 4 gang | | GW 16 204 VT 4 gang | | GW 16 204 MC 4 gang | |
| | | GW 16 206 TB 6 gang | | GW 16 206 VT 6 gang | | GW 16 206 MC 6 gang | |
| | | GW 16 204 TN 4 gang | | GW 16 204 VA 4 gang | | GW 16 204 MO 4 gang | |
| | | GW 16 206 TN 6 gang | | GW 16 206 VA 6 gang | | GW 16 206 MO 6 gang | |
| | | GW 16 204 LA 4 gang | | GW 16 204 LW 4 gang | | GW 16 204 LC 4 gang | |
| | | GW 16 206 LA 6 gang | | GW 16 206 LW 6 gang | | GW 16 206 LC 6 gang | |
| | | GW 16 204 PN 4 gang | | GW 16 204 PB 4 gang | | GW 16 204 PR 4 gang | |
| | | GW 16 206 PN 6 gang | | GW 16 206 PB 6 gang | | GW 16 206 PR 6 gang | |
| | | GW 16 204 CG 4 gang | | GW 16 204 CA 4 gang | | GW 16 204 CO 4 gang | |
| | | GW 16 206 CG 6 gang | | GW 16 206 CA 6 gang | | GW 16 206 CO 6 gang | |

LUX PLATES


DOMESTIC RANGES

| | | | | | | |
|------------------|---|--------|---|--------|---|--------|
| Metal | GLAMOUR RED | | BRUSHED ALUMINIUM | | GUNBARREL GREY | |
| |  | |  | |  | |
| | GW 16 202 MR | 2 gang | GW 16 202 MS | 2 gang | GW 16 202 ML | 2 gang |
| | GW 16 203 MR | 3 gang | GW 16 203 MS | 3 gang | GW 16 203 ML | 3 gang |
| | GW 16 204 MR | 4 gang | GW 16 204 MS | 4 gang | GW 16 204 ML | 4 gang |
| | GW 16 206 MR | 6 gang | GW 16 206 MS | 6 gang | GW 16 206 ML | 6 gang |
| Metal monochrome | CHIC BLUE | | PEARLY BRONZE | | OXIDISED FINISH | |
| |  | |  | |  | |
| | GW 16 202 MH | 2 gang | GW 16 202 MP | 2 gang | GW 16 202 MD | 2 gang |
| | GW 16 203 MH | 3 gang | GW 16 203 MP | 3 gang | GW 16 203 MD | 3 gang |
| | GW 16 204 MH | 4 gang | GW 16 204 MP | 4 gang | GW 16 204 MD | 4 gang |
| | GW 16 206 MH | 6 gang | GW 16 206 MP | 6 gang | GW 16 206 MD | 6 gang |
| Stainless steel | WHITE | | BLACK | | BRUSHED STAINLESS STEEL | |
| |  | |  | |  | |
| | GW 16 202 XB | 2 gang | GW 16 202 XN | 2 gang | GW 16 202 MI | 2 gang |
| | GW 16 203 XB | 3 gang | GW 16 203 XN | 3 gang | GW 16 203 MI | 3 gang |
| | GW 16 204 XB | 4 gang | GW 16 204 XN | 4 gang | GW 16 204 MI | 4 gang |
| | GW 16 206 XB | 6 gang | GW 16 206 XN | 6 gang | GW 16 206 MI | 6 gang |
| Modularity | ALUMINIUM | | TITANIUM | | | |
| |  | |  | | | |
| | GW 16 202 XA | 2 gang | GW 16 202 XT | 2 gang | | |
| | GW 16 203 XA | 3 gang | GW 16 203 XT | 3 gang | | |
| | GW 16 204 XA | 4 gang | GW 16 204 XT | 4 gang | | |
| | GW 16 206 XA | 6 gang | GW 16 206 XT | 6 gang | | |

ART PLATES

Technopolymer

MILK WHITE



GW 16 302 TB

2 gang


GW 16 303 TB

3 gang

GW 16 304 TB

4 gang

TITANIUM



GW 16 302 VT

2 gang

GW 16 303 VT

3 gang

GW 16 304 VT

4 gang

CHROME



GW 16 302 MC

2 gang

GW 16 303 MC

3 gang

GW 16 304 MC

4 gang

TONER BLACK



GW 16 302 TN

2 gang

GW 16 303 TN

3 gang

GW 16 304 TN

4 gang

SLATE



GW 16 302 VA

2 gang

GW 16 303 VA

3 gang

GW 16 304 VA

4 gang

METALLISED TECHNOPLYMER

GOLD



GW 16 302 MO

2 gang

GW 16 303 MO

3 gang

GW 16 304 MO

4 gang

Leather

RUBY



GW 16 302 PR

2 gang

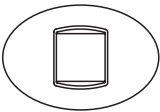
GW 16 303 PR

3 gang


GW 16 304 PR

4 gang

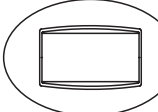
Modularity



2 gang



3 gang



4 gang

ICE PLATES

Class

WHITE



GW 16 903 CB 3 gang
GW 16 904 CB 4 gang

BLACK



GW 16 903 CN 3 gang
GW 16 904 CN 4 gang

TITANIUM



GW 16 903 CT 3 gang
GW 16 904 CT 4 gang

DOMESTIC RANGES

Modularity

A diagram showing a square plate with a smaller square cutout in the center, representing a 3 gang configuration.

3 gang

A diagram showing a square plate with a smaller square cutout in the center, representing a 4 gang configuration.

4 gang

Other colors possible on request

ICE TOUCH PLATES

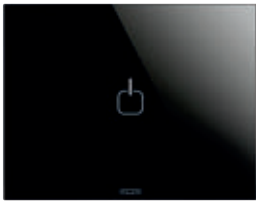
Glass (for TOUCH modules)

WHITE



GW 16 951 CB 1 symbol

BLACK



GW 16 951 CN 1 symbol

TITANIUM



GW 16 951 CT 1 symbol



GW 16 952 CB 2 symbols



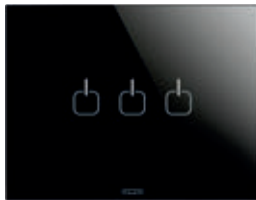
GW 16 952 CN 2 symbols



GW 16 952 CT 2 symbols



GW 16 953 CB 3 symbols



GW 16 953 CN 3 symbols



GW 16 953 CT 3 symbols

ICE TOUCH KNX PLATES

Glass (for KNX/EASY TOUCH push-button panel modules with interchangeable icons)

WHITE



GW 16 946 CB

BLACK



GW 16 946 CN

TITANIUM



GW 16 946 CT

DOMESTIC RANGES

WHITE



GW 16 962 CB 2 symbols

BLACK



GW 16 962 CN 2 symbols

TITANIUM



GW 16 962 CT 2 symbols

GW 16 962 CB 2 symbols

GW 16 962 CN 2 symbols

GW 16 962 CT 2 symbols

WHITE



GW 16 964 CB 4 symbols

BLACK



GW 16 964 CN 4 symbols

TITANIUM



GW 16 964 CT 4 symbols

GW 16 964 CB 4 symbols

GW 16 964 CN 4 symbols

GW 16 964 CT 4 symbols

WHITE



GW 16 966 CB 6 symbols

BLACK



GW 16 966 CN 6 symbols

TITANIUM



GW 16 966 CT 6 symbols

GW 16 966 CB 6 symbols

GW 16 966 CN 6 symbols

GW 16 966 CT 6 symbols

Chorus

Plates and modular devices

Innovative domestic range characterised by an extensive choice of materials, forms and finishes, to meet each and every requirement. Six different forms of plates (ONE, GEO, LUX, ART, ICE, ICE TOUCH) in different colours and materials, with modular devices in four colours (glossy white, glossy ivory, satin black, varnished titanium) and four different sizes (½, 1, 2, 3 modules). Available for flush-mounting and surface-mounting installations, the range can be integrated with the KNX domotic system.



Technical characteristics page 229

ONE INTERNATIONAL PLATES

TECHNOPOLYMER



GW 16 122 TB

ONE INTERNATIONAL - MILK WHITE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 122 TB | 2 gang | | | 12 |
| GW 16 123 TB | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 124 TB | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 125 TB | 2+2 gang | Vertical | 57 mm | 12 |
| GW 16 126 TB | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 127 TB | 2+2+2 gang | Vertical | 71 mm | 6 |
| GW 16 128 TB | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 129 TB | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish. GW16125TB to be used with the GW24282PM box; for the installation use nr. 2 supports GW16822 vertically coupled by breaking the wings located on the contact side on both supports.



GW 16 122 TN

ONE INTERNATIONAL - TONER BLACK

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 122 TN | 2 gang | | | 12 |
| GW 16 123 TN | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 124 TN | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 126 TN | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 127 TN | 2+2+2 gang | Vertical | 71 mm | 6 |
| GW 16 128 TN | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 129 TN | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.



GW 16 122 TI

ONE INTERNATIONAL - IVORY

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 122 TI | 2 gang | | | 12 |
| GW 16 123 TI | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 124 TI | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 126 TI | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 127 TI | 2+2+2 gang | Vertical | 71 mm | 6 |
| GW 16 128 TI | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 129 TI | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.



GW 16 122 TC

ONE INTERNATIONAL - HEMP

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 122 TC | 2 gang | | | 12 |
| GW 16 123 TC | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 124 TC | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 126 TC | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 127 TC | 2+2+2 gang | Vertical | 71 mm | 6 |
| GW 16 128 TC | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 129 TC | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER


GW 16 122 VT

ONE INTERNATIONAL - TITANIUM

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 122 VT | 2 gang | | | 12 |
| GW 16 123 VT | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 124 VT | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 126 VT | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 127 VT | 2+2+2 gang | Vertical | 71 mm | 6 |
| GW 16 128 VT | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 129 VT | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.



GW 16 122 VA

ONE INTERNATIONAL - SLATE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 122 VA | 2 gang | | | 12 |
| GW 16 123 VA | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 124 VA | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 126 VA | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 127 VA | 2+2+2 gang | Vertical | 71 mm | 6 |
| GW 16 128 VA | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 129 VA | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.

METALLISED TECHNOPOLYMER



GW 16 122 MC

ONE INTERNATIONAL - CHROME

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 122 MC | 2 gang | | | 12 |
| GW 16 123 MC | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 124 MC | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 126 MC | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 127 MC | 2+2+2 gang | Vertical | 71 mm | 6 |
| GW 16 128 MC | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 129 MC | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.



GW 16 122 MO

ONE INTERNATIONAL - GOLD

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 122 MO | 2 gang | | | 12 |
| GW 16 123 MO | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 124 MO | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 126 MO | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 127 MO | 2+2+2 gang | Vertical | 71 mm | 6 |
| GW 16 128 MO | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 129 MO | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER, PASTEL COLOURS



GW 16 122 VR

ONE INTERNATIONAL - RUBY

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 122 VR | 2 gang | | | 12 |
| GW 16 123 VR | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 124 VR | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 126 VR | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 127 VR | 2+2+2 gang | Vertical | 71 mm | 6 |
| GW 16 128 VR | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 129 VR | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: fabric effect.



GW 16 122 VB

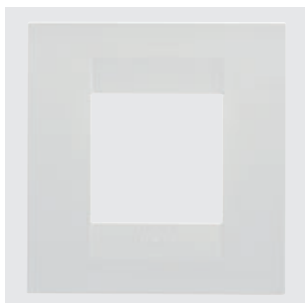
ONE INTERNATIONAL - SEA BLUE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 122 VB | 2 gang | | | 12 |
| GW 16 123 VB | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 124 VB | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 126 VB | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 127 VB | 2+2+2 gang | Vertical | 71 mm | 6 |
| GW 16 128 VB | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 129 VB | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: fabric effect.

GEO INTERNATIONAL PLATES

TECHNOPOLYMER



GW 16 422 TB

GEO INTERNATIONAL - MILK WHITE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|------------|-----------------|-------------|
| GW 16 422 TB | 2 gang | | | 12 |
| GW 16 423 TB | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 424 TB | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 426 TB | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 427 TB | 2+2+2 gang | Vertical | 71 mm | 6 |

CHARACTERISTICS: glossy finish.

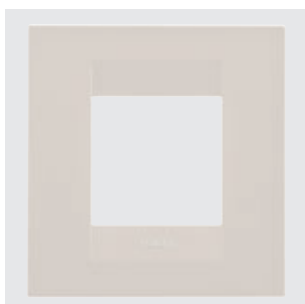


GW 16 422 TN

GEO INTERNATIONAL - TONER BLACK

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|------------|-----------------|-------------|
| GW 16 422 TN | 2 gang | | | 12 |
| GW 16 423 TN | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 424 TN | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 426 TN | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 427 TN | 2+2+2 gang | Vertical | 71 mm | 6 |

CHARACTERISTICS: glossy finish.



GW 16 422 TI

GEO INTERNATIONAL - IVORY

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|------------|-----------------|-------------|
| GW 16 422 TI | 2 gang | | | 12 |
| GW 16 423 TI | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 424 TI | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 426 TI | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 427 TI | 2+2+2 gang | Vertical | 71 mm | 6 |

CHARACTERISTICS: glossy finish.



GW 16 422 TC

GEO INTERNATIONAL - HEMP

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|------------|-----------------|-------------|
| GW 16 422 TC | 2 gang | | | 12 |
| GW 16 423 TC | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 424 TC | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 426 TC | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 427 TC | 2+2+2 gang | Vertical | 71 mm | 6 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER



GW 16 422 VT

GEO INTERNATIONAL - TITANIUM

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|------------|-----------------|-------------|
| GW 16 422 VT | 2 gang | | | 12 |
| GW 16 423 VT | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 424 VT | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 426 VT | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 427 VT | 2+2+2 gang | Vertical | 71 mm | 6 |

CHARACTERISTICS: glossy finish.



GW 16 422 VA

GEO INTERNATIONAL - SLATE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|------------|-----------------|-------------|
| GW 16 422 VA | 2 gang | | | 12 |
| GW 16 423 VA | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 424 VA | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 426 VA | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 427 VA | 2+2+2 gang | Vertical | 71 mm | 6 |

CHARACTERISTICS: glossy finish.

METALLISED TECHNOPOLYMER

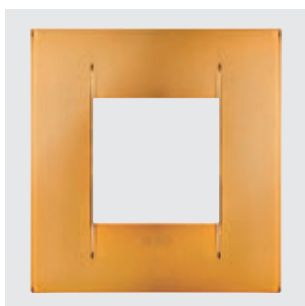


GW 16 422 MC

GEO INTERNATIONAL - CHROME

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|------------|-----------------|-------------|
| GW 16 422 MC | 2 gang | | | 12 |
| GW 16 423 MC | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 424 MC | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 426 MC | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 427 MC | 2+2+2 gang | Vertical | 71 mm | 6 |

CHARACTERISTICS: glossy finish.



GW 16 422 MO

GEO INTERNATIONAL - GOLD

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|------------|-----------------|-------------|
| GW 16 422 MO | 2 gang | | | 12 |
| GW 16 423 MO | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 424 MO | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 426 MO | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 427 MO | 2+2+2 gang | Vertical | 71 mm | 6 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER, PASTEL COLOURS



GW 16 422 VR

GEO INTERNATIONAL - RUBY

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|------------|-----------------|-------------|
| GW 16 422 VR | 2 gang | | | 12 |
| GW 16 423 VR | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 424 VR | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 426 VR | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 427 VR | 2+2+2 gang | Vertical | 71 mm | 6 |

CHARACTERISTICS: fabric effect.



GW 16 422 VB

GEO INTERNATIONAL - SEA BLUE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|------------|-----------------|-------------|
| GW 16 422 VB | 2 gang | | | 12 |
| GW 16 423 VB | 2+2 gang | Horizontal | 71 mm | 12 |
| GW 16 424 VB | 2+2 gang | Vertical | 71 mm | 12 |
| GW 16 426 VB | 2+2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 427 VB | 2+2+2 gang | Vertical | 71 mm | 6 |

CHARACTERISTICS: fabric effect.

LUX INTERNATIONAL PLATES

TECHNOPOLYMER



GW 16 222 TB

LUX INTERNATIONAL - MILK WHITE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 TB | 2 gang | | | 12 |
| GW 16 223 TB | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 TB | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 225 TB | 2+2 gang | Vertical | 57 mm | 6 |
| GW 16 226 TB | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 TB | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 TB | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 TB | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish. GW16225TB to be used with the GW24282PM box; for the installation use nr. 2 supports GW16822 vertically coupled by breaking the wings located on the contact side on both supports.



GW 16 222 YB

LUX INTERNATIONAL - MONOCHROME MILK WHITE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 YB | 2 gang | | | 12 |
| GW 16 223 YB | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 YB | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 YB | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 YB | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 YB | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 YB | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.

NOTES: under-plate and inner frame in the same white shade as the plate.



GW 16 222 TN

LUX INTERNATIONAL - TONER BLACK

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 TN | 2 gang | | | 12 |
| GW 16 223 TN | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 TN | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 TN | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 TN | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 TN | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 TN | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER



GW 16 222 VT

LUX INTERNATIONAL - TITANIUM

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 VT | 2 gang | | | 12 |
| GW 16 223 VT | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 VT | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 VT | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 VT | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 VT | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 VT | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.



GW 16 222 VA

LUX INTERNATIONAL - SLATE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 VA | 2 gang | | | 12 |
| GW 16 223 VA | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 VA | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 VA | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 VA | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 VA | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 VA | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.

METALLISED TECHNOPOLYMER



GW 16 222 MC

LUX INTERNATIONAL - CHROME

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 MC | 2 gang | | | 12 |
| GW 16 223 MC | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 MC | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 MC | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 MC | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 MC | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 MC | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.



GW 16 222 MO

LUX INTERNATIONAL - GOLD

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 MO | 2 gang | | | 12 |
| GW 16 223 MO | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 MO | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 MO | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 MO | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 MO | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 MO | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.

TECHNOPOLYMER - WOOD FINISH



GW 16 222 LA

LUX INTERNATIONAL - MAPLE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 LA | 2 gang | | | 12 |
| GW 16 223 LA | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 LA | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 LA | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 LA | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 LA | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 LA | 2+2+2+2 gang | Vertical | 71 mm | 1 |



GW 16 222 LW

LUX INTERNATIONAL - WENGÉ

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 LW | 2 gang | | | 12 |
| GW 16 223 LW | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 LW | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 LW | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 LW | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 LW | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 LW | 2+2+2+2 gang | Vertical | 71 mm | 1 |



GW 16 222 LC

LUX INTERNATIONAL - CHERRY

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 LC | 2 gang | | | 12 |
| GW 16 223 LC | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 LC | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 LC | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 LC | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 LC | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 LC | 2+2+2+2 gang | Vertical | 71 mm | 1 |

TECHNOPOLYMER - LEATHER FINISH



GW 16 222 PN

LUX INTERNATIONAL - BLACK

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 PN | 2 gang | | | 12 |
| GW 16 223 PN | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 PN | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 PN | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 PN | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 PN | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 PN | 2+2+2+2 gang | Vertical | 71 mm | 1 |



GW 16 222 PB

LUX INTERNATIONAL - WHITE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 PB | 2 gang | | | 12 |
| GW 16 223 PB | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 PB | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 PB | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 PB | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 PB | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 PB | 2+2+2+2 gang | Vertical | 71 mm | 1 |



GW 16 222 PR

LUX INTERNATIONAL - RUBY

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 PR | 2 gang | | | 12 |
| GW 16 223 PR | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 PR | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 PR | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 PR | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 PR | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 PR | 2+2+2+2 gang | Vertical | 71 mm | 1 |

TECHNOPOLYMER - STONE FINISH



GW 16 222 RL

LUX INTERNATIONAL - LAVA

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 RL | 2 gang | | | 12 |
| GW 16 223 RL | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 RL | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 RL | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 RL | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 RL | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 RL | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.



GW 16 222 RS

LUX INTERNATIONAL - SAND

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 RS | 2 gang | | | 12 |
| GW 16 223 RS | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 RS | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 RS | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 RS | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 RS | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 RS | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.



GW 16 222 RN

LUX INTERNATIONAL - MOON

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 RN | 2 gang | | | 12 |
| GW 16 223 RN | 2+2 gang | Horizontal | 71 mm | 6 |
| GW 16 224 RN | 2+2 gang | Vertical | 71 mm | 6 |
| GW 16 226 RN | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 RN | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 RN | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 RN | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: glossy finish.

METAL



GW 16 222 MI

LUX INTERNATIONAL - BRUSHED STAINLESS STEEL

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 MI | 2 gang | | | 1 |
| GW 16 223 MI | 2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 224 MI | 2+2 gang | Vertical | 71 mm | 1 |
| GW 16 226 MI | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 MI | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 MI | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 MI | 2+2+2+2 gang | Vertical | 71 mm | 1 |



GW 16 222 MA

LUX INTERNATIONAL - BLACK ALUMINIUM

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 MA | 2 gang | | | 1 |
| GW 16 223 MA | 2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 224 MA | 2+2 gang | Vertical | 71 mm | 1 |
| GW 16 226 MA | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 MA | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 MA | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 MA | 2+2+2+2 gang | Vertical | 71 mm | 1 |



GW 16 222 MF

LUX INTERNATIONAL - OXIDISED FINISH

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 MF | 2 gang | | | 1 |
| GW 16 223 MF | 2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 224 MF | 2+2 gang | Vertical | 71 mm | 1 |
| GW 16 226 MF | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 MF | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 MF | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 MF | 2+2+2+2 gang | Vertical | 71 mm | 1 |

GLASS



GW 16 222 CG

LUX INTERNATIONAL - ICE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 CG | 2 gang | | | 1 |
| GW 16 223 CG | 2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 224 CG | 2+2 gang | Vertical | 71 mm | 1 |
| GW 16 226 CG | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 CG | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 CG | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 CG | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: opaque effect.

NOTES: design variations in the glass plates are a sign of quality and indicate the genuineness of the materials used.



GW 16 222 CA

LUX INTERNATIONAL - AQUAMARINE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 CA | 2 gang | | | 1 |
| GW 16 223 CA | 2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 224 CA | 2+2 gang | Vertical | 71 mm | 1 |
| GW 16 226 CA | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 CA | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 CA | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 CA | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: opaque effect.

NOTES: design variations in the glass plates are a sign of quality and indicate the genuineness of the materials used.



GW 16 222 CO

LUX INTERNATIONAL - OCHRE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|--------------|------------|-----------------|-------------|
| GW 16 222 CO | 2 gang | | | 1 |
| GW 16 223 CO | 2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 224 CO | 2+2 gang | Vertical | 71 mm | 1 |
| GW 16 226 CO | 2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 227 CO | 2+2+2 gang | Vertical | 71 mm | 1 |
| GW 16 228 CO | 2+2+2+2 gang | Horizontal | 71 mm | 1 |
| GW 16 229 CO | 2+2+2+2 gang | Vertical | 71 mm | 1 |

CHARACTERISTICS: opaque effect.

NOTES: design variations in the glass plates are a sign of quality and indicate the genuineness of the materials used.

ONE ITALIAN STANDARD PLATES

TECHNOPOLYMER



GW 16 103 TB

ONE - MILK WHITE

| Code | Description | Configuration | For support codes | Pack Carton |
|--------------|-------------|---------------|-------------------|-------------|
| GW 16 101 TB | 1 gang | | GW16802, GW16803 | 96 |
| GW 16 102 TB | 2 gang | | GW16802, GW16803 | 96 |
| GW 16 103 TB | 3 gang | | GW16803 | 96 |
| GW 16 104 TB | 4 gang | | GW16804 | 12 |
| GW 16 106 TB | 6 gang | | GW16806 | 12 |
| GW 16 108 TB | 4+4 gang | Overlapping | GW16808 | 6 |
| GW 16 112 TB | 6+6 gang | Overlapping | GW16812 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 103 TN

ONE - TONER BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 101 TN | 1 gang | GW16802, GW16803 | 12 |
| GW 16 102 TN | 2 gang | GW16802, GW16803 | 12 |
| GW 16 103 TN | 3 gang | GW16803 | 24 |
| GW 16 104 TN | 4 gang | GW16804 | 12 |
| GW 16 106 TN | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 103 TI

ONE - IVORY

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 101 TI | 1 gang | GW16802, GW16803 | 12 |
| GW 16 102 TI | 2 gang | GW16802, GW16803 | 12 |
| GW 16 103 TI | 3 gang | GW16803 | 24 |
| GW 16 104 TI | 4 gang | GW16804 | 12 |
| GW 16 106 TI | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 103 TC

ONE - HEMP

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 101 TC | 1 gang | GW16802, GW16803 | 12 |
| GW 16 102 TC | 2 gang | GW16802, GW16803 | 12 |
| GW 16 103 TC | 3 gang | GW16803 | 24 |
| GW 16 104 TC | 4 gang | GW16804 | 12 |
| GW 16 106 TC | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 103 TO

ONE - OPAL ORANGE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 103 TO | 3 gang | GW16803 | 24 |
| GW 16 104 TO | 4 gang | GW16804 | 12 |

CHARACTERISTICS: glossy finish.



GW 16 103 TZ

ONE - SAPPHIRE PINK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 103 TZ | 3 gang | GW16803 | 24 |
| GW 16 104 TZ | 4 gang | GW16804 | 12 |

CHARACTERISTICS: glossy finish.



GW 16 103 TA

ONE - AMETHYST PURPLE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 103 TA | 3 gang | GW16803 | 24 |
| GW 16 104 TA | 4 gang | GW16804 | 12 |

CHARACTERISTICS: glossy finish.



GW 16 103 TL

ONE - CARIBBEAN BLUE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 103 TL | 3 gang | GW16803 | 24 |
| GW 16 104 TL | 4 gang | GW16804 | 12 |

CHARACTERISTICS: glossy finish.



GW 16 103 TT

ONE - TOPAZ BLUE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 103 TT | 3 gang | GW16803 | 24 |
| GW 16 104 TT | 4 gang | GW16804 | 12 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER



GW 16 103 VN

ONE - SATIN BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 103 VN | 3 gang | GW16803 | 24 |
| GW 16 104 VN | 4 gang | GW16804 | 12 |
| GW 16 106 VN | 6 gang | GW16806 | 6 |

CHARACTERISTICS: satin effect.



GW 16 103 VT

ONE - TITANIUM

| Code | Description | Configuration | For support codes | Pack Carton |
|--------------|-------------|---------------|-------------------|-------------|
| GW 16 101 VT | 1 gang | | GW16802, GW16803 | 12 |
| GW 16 102 VT | 2 gang | | GW16802, GW16803 | 12 |
| GW 16 103 VT | 3 gang | | GW16803 | 24 |
| GW 16 104 VT | 4 gang | | GW16804 | 12 |
| GW 16 106 VT | 6 gang | | GW16806 | 6 |
| GW 16 108 VT | 4+4 gang | Overlapping | GW16808 | 6 |
| GW 16 112 VT | 6+6 gang | Overlapping | GW16812 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 103 VA

ONE - SLATE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 101 VA | 1 gang | GW16802, GW16803 | 12 |
| GW 16 102 VA | 2 gang | GW16802, GW16803 | 12 |
| GW 16 103 VA | 3 gang | GW16803 | 12 |
| GW 16 104 VA | 4 gang | GW16804 | 12 |
| GW 16 106 VA | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.

METALLISED TECHNOPOLYMER



GW 16 103 MC

ONE - CHROME

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 101 MC | 1 gang | GW16802, GW16803 | 12 |
| GW 16 102 MC | 2 gang | GW16802, GW16803 | 12 |
| GW 16 103 MC | 3 gang | GW16803 | 12 |
| GW 16 104 MC | 4 gang | GW16804 | 12 |
| GW 16 106 MC | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 103 MO

ONE - GOLD

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 101 MO | 1 gang | GW16802, GW16803 | 12 |
| GW 16 102 MO | 2 gang | GW16802, GW16803 | 12 |
| GW 16 103 MO | 3 gang | GW16803 | 12 |
| GW 16 104 MO | 4 gang | GW16804 | 12 |
| GW 16 106 MO | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER, PASTEL COLOURS



GW 16 103 VR

ONE - RUBY

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 101 VR | 1 gang | GW16802, GW16803 | 12 |
| GW 16 102 VR | 2 gang | GW16802, GW16803 | 12 |
| GW 16 103 VR | 3 gang | GW16803 | 24 |
| GW 16 104 VR | 4 gang | GW16804 | 12 |
| GW 16 106 VR | 6 gang | GW16806 | 6 |

CHARACTERISTICS: fabric effect.



GW 16 103 VB

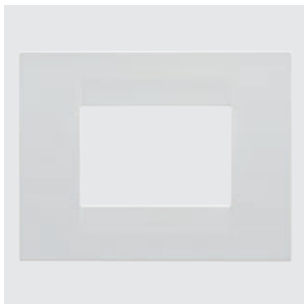
ONE - SEA BLUE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 101 VB | 1 gang | GW16802, GW16803 | 12 |
| GW 16 102 VB | 2 gang | GW16802, GW16803 | 12 |
| GW 16 103 VB | 3 gang | GW16803 | 24 |
| GW 16 104 VB | 4 gang | GW16804 | 12 |
| GW 16 106 VB | 6 gang | GW16806 | 6 |

CHARACTERISTICS: fabric effect.

GEO ITALIAN STANDARD PLATES

TECHNOPOLYMER

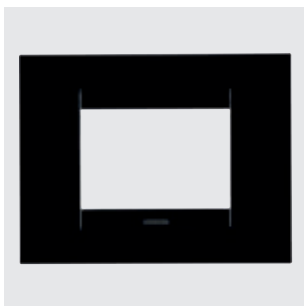


GW 16 403 TB

GEO - MILK WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 401 TB | 1 gang | GW16802, GW16803 | 96 |
| GW 16 402 TB | 2 gang | GW16802, GW16803 | 96 |
| GW 16 403 TB | 3 gang | GW16803 | 96 |
| GW 16 404 TB | 4 gang | GW16804 | 12 |
| GW 16 406 TB | 6 gang | GW16806 | 12 |

CHARACTERISTICS: glossy finish.

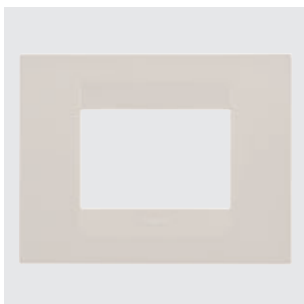


GW 16 403 TN

GEO - TONER BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 401 TN | 1 gang | GW16802, GW16803 | 24 |
| GW 16 402 TN | 2 gang | GW16802, GW16803 | 12 |
| GW 16 403 TN | 3 gang | GW16803 | 24 |
| GW 16 404 TN | 4 gang | GW16804 | 12 |
| GW 16 406 TN | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.

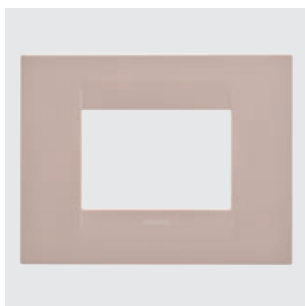


GW 16 403 TI

GEO - IVORY

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 401 TI | 1 gang | GW16802, GW16803 | 24 |
| GW 16 402 TI | 2 gang | GW16802, GW16803 | 12 |
| GW 16 403 TI | 3 gang | GW16803 | 24 |
| GW 16 404 TI | 4 gang | GW16804 | 12 |
| GW 16 406 TI | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 403 TC

GEO - HEMP

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 401 TC | 1 gang | GW16802, GW16803 | 24 |
| GW 16 402 TC | 2 gang | GW16802, GW16803 | 12 |
| GW 16 403 TC | 3 gang | GW16803 | 24 |
| GW 16 404 TC | 4 gang | GW16804 | 12 |
| GW 16 406 TC | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 403 TO

GEO - OPAL ORANGE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 403 TO | 3 gang | GW16803 | 24 |
| GW 16 404 TO | 4 gang | GW16804 | 12 |

CHARACTERISTICS: glossy finish.



GW 16 403 TZ

GEO - SAPPHIRE PINK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 403 TZ | 3 gang | GW16803 | 24 |
| GW 16 404 TZ | 4 gang | GW16804 | 12 |

CHARACTERISTICS: glossy finish.

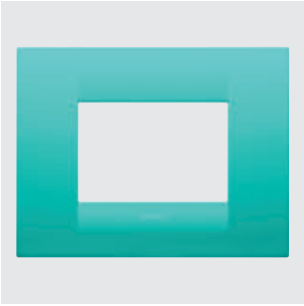


GW 16 403 TA

GEO - AMETHYST PURPLE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 403 TA | 3 gang | GW16803 | 24 |
| GW 16 404 TA | 4 gang | GW16804 | 12 |

CHARACTERISTICS: glossy finish.



GW 16 403 TL

GEO - CARIBBEAN BLUE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 403 TL | 3 gang | GW16803 | 24 |
| GW 16 404 TL | 4 gang | GW16804 | 12 |

CHARACTERISTICS: glossy finish.



GW 16 403 TT

ONE - TOPAZ BLUE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 403 TT | 3 gang | GW16803 | 24 |
| GW 16 404 TT | 4 gang | GW16804 | 12 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER



GW 16 403 VN

GEO - SATIN BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 403 VN | 3 gang | GW16803 | 24 |
| GW 16 404 VN | 4 gang | GW16804 | 12 |
| GW 16 406 VN | 6 gang | GW16806 | 6 |

CHARACTERISTICS: satin effect.



GW 16 403 VT

GEO - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 401 VT | 1 gang | GW16802, GW16803 | 24 |
| GW 16 402 VT | 2 gang | GW16802, GW16803 | 12 |
| GW 16 403 VT | 3 gang | GW16803 | 24 |
| GW 16 404 VT | 4 gang | GW16804 | 12 |
| GW 16 406 VT | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



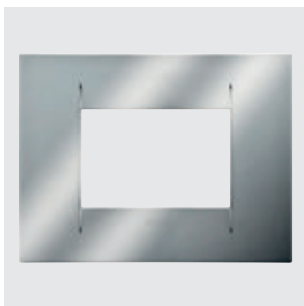
GW 16 403 VA

GEO - SLATE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 401 VA | 1 gang | GW16802, GW16803 | 12 |
| GW 16 402 VA | 2 gang | GW16802, GW16803 | 12 |
| GW 16 403 VA | 3 gang | GW16803 | 12 |
| GW 16 404 VA | 4 gang | GW16804 | 12 |
| GW 16 406 VA | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.

METALLISED TECHNOPOLYMER

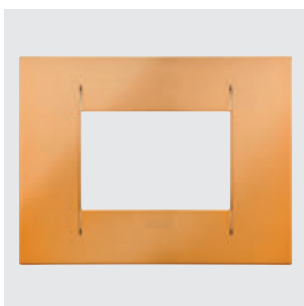


GW 16 403 MC

GEO - CHROME

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 401 MC | 1 gang | GW16802, GW16803 | 12 |
| GW 16 402 MC | 2 gang | GW16802, GW16803 | 12 |
| GW 16 403 MC | 3 gang | GW16803 | 12 |
| GW 16 404 MC | 4 gang | GW16804 | 12 |
| GW 16 406 MC | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 403 MO

GEO - GOLD

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 401 MO | 1 gang | GW16802, GW16803 | 12 |
| GW 16 402 MO | 2 gang | GW16802, GW16803 | 12 |
| GW 16 403 MO | 3 gang | GW16803 | 12 |
| GW 16 404 MO | 4 gang | GW16804 | 12 |
| GW 16 406 MO | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER, PASTEL COLOURS

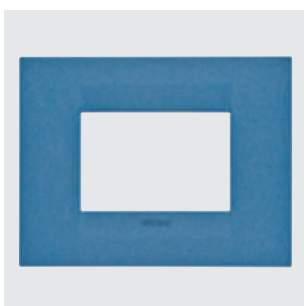


GW 16 403 VR

GEO - RUBY

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 401 VR | 1 gang | GW16802, GW16803 | 24 |
| GW 16 402 VR | 2 gang | GW16802, GW16803 | 12 |
| GW 16 403 VR | 3 gang | GW16803 | 24 |
| GW 16 404 VR | 4 gang | GW16804 | 12 |
| GW 16 406 VR | 6 gang | GW16806 | 6 |

CHARACTERISTICS: fabric effect.



GW 16 403 VB

GEO - SEA BLUE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 401 VB | 1 gang | GW16802, GW16803 | 24 |
| GW 16 402 VB | 2 gang | GW16802, GW16803 | 12 |
| GW 16 403 VB | 3 gang | GW16803 | 24 |
| GW 16 404 VB | 4 gang | GW16804 | 12 |
| GW 16 406 VB | 6 gang | GW16806 | 6 |

CHARACTERISTICS: fabric effect.

LUX ITALIAN STANDARD PLATES

TECHNOPOLYMER



GW 16 203 TB

LUX - MILK WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 TB | 2 gang | GW16802, GW16803 | 12 |
| GW 16 203 TB | 3 gang | GW16803 | 12 |
| GW 16 204 TB | 4 gang | GW16804 | 12 |
| GW 16 206 TB | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 203 TN

LUX - TONER BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 TN | 2 gang | GW16802, GW16803 | 12 |
| GW 16 203 TN | 3 gang | GW16803 | 12 |
| GW 16 204 TN | 4 gang | GW16804 | 12 |
| GW 16 206 TN | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER



GW 16 203 VT

LUX - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 VT | 2 gang | GW16802, GW16803 | 12 |
| GW 16 203 VT | 3 gang | GW16803 | 12 |
| GW 16 204 VT | 4 gang | GW16804 | 12 |
| GW 16 206 VT | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 203 VA

LUX - SLATE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 VA | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 VA | 3 gang | GW16803 | 6 |
| GW 16 204 VA | 4 gang | GW16804 | 6 |
| GW 16 206 VA | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.

METALLISED TECHNOPOLYMER



GW 16 203 MC

LUX - CHROME

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 MC | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 MC | 3 gang | GW16803 | 6 |
| GW 16 204 MC | 4 gang | GW16804 | 6 |
| GW 16 206 MC | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 203 MO

LUX - GOLD

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 MO | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 MO | 3 gang | GW16803 | 6 |
| GW 16 204 MO | 4 gang | GW16804 | 6 |
| GW 16 206 MO | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.

WOOD



GW 16 203 LA

LUX - MAPLE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 LA | 2 gang | GW16802, GW16803 | 1 |
| GW 16 203 LA | 3 gang | GW16803 | 1 |
| GW 16 204 LA | 4 gang | GW16804 | 1 |
| GW 16 206 LA | 6 gang | GW16806 | 1 |

NOTES: design variations in the wooden plates are a sign of quality and indicate the genuineness of the materials used.



GW 16 203 LW

LUX - WENGE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 LW | 2 gang | GW16802, GW16803 | 1 |
| GW 16 203 LW | 3 gang | GW16803 | 1 |
| GW 16 204 LW | 4 gang | GW16804 | 1 |
| GW 16 206 LW | 6 gang | GW16806 | 1 |

NOTES: design variations in the wooden plates are a sign of quality and indicate the genuineness of the materials used.



GW 16 203 LC

LUX - CHERRY

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 LC | 2 gang | GW16802, GW16803 | 1 |
| GW 16 203 LC | 3 gang | GW16803 | 1 |
| GW 16 204 LC | 4 gang | GW16804 | 1 |
| GW 16 206 LC | 6 gang | GW16806 | 1 |

NOTES: design variations in the wooden plates are a sign of quality and indicate the genuineness of the materials used.

MONOCHROME METAL



GW 16 203 XB

LUX - MONOCHROME WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 XB | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 XB | 3 gang | GW16803 | 6 |
| GW 16 204 XB | 4 gang | GW16804 | 6 |
| GW 16 206 XB | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.

NOTES: inner frame with the same white shade of the plate.



GW 16 203 XN

LUX - MONOCHROME BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 XN | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 XN | 3 gang | GW16803 | 6 |
| GW 16 204 XN | 4 gang | GW16804 | 6 |
| GW 16 206 XN | 6 gang | GW16806 | 6 |

CHARACTERISTICS: opaque finish.

NOTES: inner frame with the same black shade of the plate.



GW 16 203 XT

LUX - MONOCHROME TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 XT | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 XT | 3 gang | GW16803 | 6 |
| GW 16 204 XT | 4 gang | GW16804 | 6 |
| GW 16 206 XT | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.

NOTES: inner frame with the same titanium shade of the plate.



GW 16 203 XA

LUX - MONOCHROME ALUMINIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 XA | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 XA | 3 gang | GW16803 | 6 |
| GW 16 204 XA | 4 gang | GW16804 | 6 |
| GW 16 206 XA | 6 gang | GW16806 | 6 |

CHARACTERISTICS: opaque finish.

NOTE: inner frame with the same aluminium shade of the plate.

METAL



GW 16 203 MH

LUX - CHIC BLUE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 MH | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 MH | 3 gang | GW16803 | 6 |
| GW 16 204 MH | 4 gang | GW16804 | 6 |
| GW 16 206 MH | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 203 MR

LUX - GLAMOUR RED

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 MR | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 MR | 3 gang | GW16803 | 6 |
| GW 16 204 MR | 4 gang | GW16804 | 6 |
| GW 16 206 MR | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 203 MS

LUX - BRUSHED ALUMINIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 MS | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 MS | 3 gang | GW16803 | 6 |
| GW 16 204 MS | 4 gang | GW16804 | 6 |
| GW 16 206 MS | 6 gang | GW16806 | 6 |

CHARACTERISTICS: satin effect.



GW 16 203 MP

LUX - PEARLY BRONZE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 MP | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 MP | 3 gang | GW16803 | 6 |
| GW 16 204 MP | 4 gang | GW16804 | 6 |
| GW 16 206 MP | 6 gang | GW16806 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 203 ML

LUX - GUNBARREL GREY

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 ML | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 ML | 3 gang | GW16803 | 6 |
| GW 16 204 ML | 4 gang | GW16804 | 6 |
| GW 16 206 ML | 6 gang | GW16806 | 6 |

CHARACTERISTICS: satin effect.



GW 16 203 MD

LUX - OXIDISED FINISH

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 MD | 2 gang | GW16802, GW16803 | 6 |
| GW 16 203 MD | 3 gang | GW16803 | 6 |
| GW 16 204 MD | 4 gang | GW16804 | 6 |
| GW 16 206 MD | 6 gang | GW16806 | 6 |

CHARACTERISTICS: satin effect.

STAINLESS STEEL



GW 16 203 MI

LUX - BRUSHED STAINLESS STEEL

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 MI | 2 gang | GW16802, GW16803 | 1 |
| GW 16 203 MI | 3 gang | GW16803 | 1 |
| GW 16 204 MI | 4 gang | GW16804 | 1 |
| GW 16 206 MI | 6 gang | GW16806 | 1 |

CHARACTERISTICS: satin effect.

LEATHER



GW 16 203 PN

LUX - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 PN | 2 gang | GW16802, GW16803 | 1 |
| GW 16 203 PN | 3 gang | GW16803 | 1 |
| GW 16 204 PN | 4 gang | GW16804 | 1 |
| GW 16 206 PN | 6 gang | GW16806 | 1 |



GW 16 203 PB

LUX - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 PB | 2 gang | GW16802, GW16803 | 1 |
| GW 16 203 PB | 3 gang | GW16803 | 1 |
| GW 16 204 PB | 4 gang | GW16804 | 1 |
| GW 16 206 PB | 6 gang | GW16806 | 1 |



GW 16 203 PR

LUX - RUBY

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 PR | 2 gang | GW16802, GW16803 | 1 |
| GW 16 203 PR | 3 gang | GW16803 | 1 |
| GW 16 204 PR | 4 gang | GW16804 | 1 |
| GW 16 206 PR | 6 gang | GW16806 | 1 |

GLASS



GW 16 203 CG

LUX - ICE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 CG | 2 gang | GW16802, GW16803 | 1 |
| GW 16 203 CG | 3 gang | GW16803 | 1 |
| GW 16 204 CG | 4 gang | GW16804 | 1 |
| GW 16 206 CG | 6 gang | GW16806 | 1 |

CHARACTERISTICS: opaque effect.
NOTES: design variations in the glass plates are a sign of quality and indicate the genuineness of the materials used.



GW 16 203 CA

LUX - AQUAMARINE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 CA | 2 gang | GW16802, GW16803 | 1 |
| GW 16 203 CA | 3 gang | GW16803 | 1 |
| GW 16 204 CA | 4 gang | GW16804 | 1 |
| GW 16 206 CA | 6 gang | GW16806 | 1 |

CHARACTERISTICS: opaque effect.
NOTES: design variations in the glass plates are a sign of quality and indicate the genuineness of the materials used.



GW 16 203 CO

LUX - OCHRE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 202 CO | 2 gang | GW16802, GW16803 | 1 |
| GW 16 203 CO | 3 gang | GW16803 | 1 |
| GW 16 204 CO | 4 gang | GW16804 | 1 |
| GW 16 206 CO | 6 gang | GW16806 | 1 |

CHARACTERISTICS: opaque effect.
NOTES: design variations in the glass plates are a sign of quality and indicate the genuineness of the materials used.

ART ITALIAN STANDARD PLATES

TECHNOPOLYMER



GW 16 303 TB

ART - MILK WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 302 TB | 2 gang | GW16802, GW16803 | 6 |
| GW 16 303 TB | 3 gang | GW16803 | 12 |
| GW 16 304 TB | 4 gang | GW16804 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 303 TN

ART - TONER BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 302 TN | 2 gang | GW16802, GW16803 | 6 |
| GW 16 303 TN | 3 gang | GW16803 | 12 |
| GW 16 304 TN | 4 gang | GW16804 | 6 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER



GW 16 303 VT

ART - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 302 VT | 2 gang | GW16802, GW16803 | 6 |
| GW 16 303 VT | 3 gang | GW16803 | 12 |
| GW 16 304 VT | 4 gang | GW16804 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 303 VA

ART - SLATE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 302 VA | 2 gang | GW16802, GW16803 | 6 |
| GW 16 303 VA | 3 gang | GW16803 | 6 |
| GW 16 304 VA | 4 gang | GW16804 | 6 |

CHARACTERISTICS: glossy finish.

METALLISED TECHNOPOLYMER



GW 16 303 MC

| ART - CHROME | | | |
|--------------|-------------|-------------------|-------------|
| Code | Description | For support codes | Pack Carton |
| GW 16 302 MC | 2 gang | GW16802, GW16803 | 6 |
| GW 16 303 MC | 3 gang | GW16803 | 6 |
| GW 16 304 MC | 4 gang | GW16804 | 6 |

CHARACTERISTICS: glossy finish.



GW 16 303 MO

| ART - GOLD | | | |
|--------------|-------------|-------------------|-------------|
| Code | Description | For support codes | Pack Carton |
| GW 16 302 MO | 2 gang | GW16802, GW16803 | 6 |
| GW 16 303 MO | 3 gang | GW16803 | 6 |
| GW 16 304 MO | 4 gang | GW16804 | 6 |

CHARACTERISTICS: glossy finish.

LEATHER



GW 16 303 PR

| ART - RUBY | | | |
|--------------|-------------|-------------------|-------------|
| Code | Description | For support codes | Pack Carton |
| GW 16 302 PR | 2 gang | GW16802, GW16803 | 1 |
| GW 16 303 PR | 3 gang | GW16803 | 1 |
| GW 16 304 PR | 4 gang | GW16804 | 1 |

ICE ITALIAN STANDARD PLATES

GLASS



GW 16 903 CB

ICE - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 903 CB | 3 gang | GW16803 | 1 |
| GW 16 904 CB | 4 gang | GW16804 | 1 |

CHARACTERISTICS: glossy finish.



GW 16 903 CN

ICE - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 903 CN | 3 gang | GW16803 | 1 |
| GW 16 904 CN | 4 gang | GW16804 | 1 |

CHARACTERISTICS: glossy finish.



GW 16 903 CT

ICE - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 903 CT | 3 gang | GW16803 | 1 |
| GW 16 904 CT | 4 gang | GW16804 | 1 |

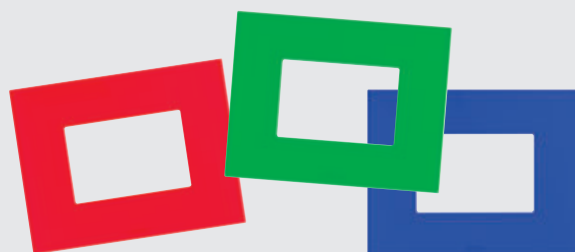
CHARACTERISTICS: glossy finish.

- *Tailor-made colours and finishes* -



With **Chorus Tailor Made**, imagination knows no limits. **Personalised** plates can now be created to meet every need and wish.

See the details
on page 61.



ICE TOUCH ITALIAN STANDARD PLATES

GLASS



GW 16 953 CB

ICE TOUCH - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CB | 1 symbol | GW16803 | 1 |
| GW 16 952 CB | 2 symbols | GW16803 | 1 |
| GW 16 953 CB | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).



GW 16 953 CN

ICE TOUCH - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CN | 1 symbol | GW16803 | 1 |
| GW 16 952 CN | 2 symbols | GW16803 | 1 |
| GW 16 953 CN | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).



GW 16 953 CT

ICE TOUCH - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CT | 1 symbol | GW16803 | 1 |
| GW 16 952 CT | 2 symbols | GW16803 | 1 |
| GW 16 953 CT | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).

ICE TOUCH KNX ITALIAN STANDARD PLATES

GLASS



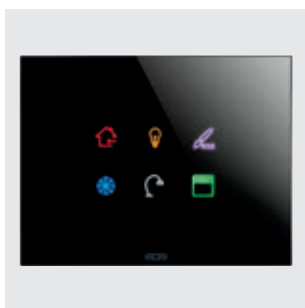
GW 16 946 CB

ICE TOUCH KNX - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|---------------|-------------------|-------------|
| GW 16 946 CB | 6 touch areas | GW16803 | 1 |

CHARACTERISTICS: plates made in glass with a glossy finish, used to complete the touch push-button panel modules - KNX (GWA9421) or Easy (GWA9471). The plates have 6 capacitive touch areas.

NOTES: the symbols shown in the picture are indicative only; they can be personalised using the set of adhesive icons included in the touch push-button module package. The code of the plate is unique and independent from the number of channels that you want to activate (from 1 to 6).



GW 16 946 CN

ICE TOUCH KNX - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|---------------|-------------------|-------------|
| GW 16 946 CN | 6 touch areas | GW16803 | 1 |

CHARACTERISTICS: plates made in glass with a glossy finish, used to complete the touch push-button panel modules - KNX (GWA9421) or Easy (GWA9471). The plates have 6 capacitive touch areas.

NOTES: the symbols shown in the picture are indicative only; they can be personalised using the set of adhesive icons included in the touch push-button module package. The code of the plate is unique and independent from the number of channels that you want to activate (from 1 to 6).



GW 16 946 CT

ICE TOUCH KNX - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|---------------|-------------------|-------------|
| GW 16 946 CT | 6 touch areas | GW16803 | 1 |

CHARACTERISTICS: plates made in glass with a glossy finish, used to complete the touch push-button panel modules - KNX (GWA9421) or Easy (GWA9471). The plates have 6 capacitive touch areas.

NOTES: the symbols shown in the picture are indicative only; they can be personalised using the set of adhesive icons included in the touch push-button module package. The code of the plate is unique and independent from the number of channels that you want to activate (from 1 to 6).



GW 16 966 CB

ICE TOUCH KNX - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 962 CB | 2 symbols | GW16803 | 1 |
| GW 16 964 CB | 4 symbols | GW16803 | 1 |
| GW 16 966 CB | 6 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish, used to complete the touch push-button panel modules - KNX (GW10746) or Easy (GW10741).



GW 16 966 CN

ICE TOUCH KNX - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 962 CN | 2 symbols | GW16803 | 1 |
| GW 16 964 CN | 4 symbols | GW16803 | 1 |
| GW 16 966 CN | 6 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish, used to complete the touch push-button panel modules - KNX (GW10746) or Easy (GW10741).



GW 16 966 CT

ICE TOUCH KNX - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 962 CT | 2 symbols | GW16803 | 1 |
| GW 16 964 CT | 4 symbols | GW16803 | 1 |
| GW 16 966 CT | 6 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish, used to complete the touch push-button panel modules - KNX (GW10746) or Easy (GW10741).

SPECIAL PLATES AND PANELS

WATERTIGHT PLATES



GW 16 703 TB

WATERTIGHT PLATES - ITALIAN STANDARD - IP55

| Code | Description | Colour | Included support | Pack Carton |
|--------------|-------------|----------|------------------|-------------|
| GW 16 703 TB | 3 gang | White | GW16803 | 1/24 |
| GW 16 704 TB | 4 gang | White | GW16804 | 1/24 |
| GW 16 703 TN | 3 gang | Black | GW16803 | 1/12 |
| GW 16 704 TN | 4 gang | Black | GW16804 | 1/12 |
| GW 16 703 VT | 3 gang | Titanium | GW16803 | 1/12 |
| GW 16 704 VT | 4 gang | Titanium | GW16804 | 1/12 |

CHARACTERISTICS: support included. Ergonomic membrane in UV-resistant material. Snap closing system. Opening made easy by wide key.

APPLICATIONS: for installation on rectangular flush-mounting boxes.

NOTES: degree of protection IP55 with closed lid and with installation on smooth, waterproof walls without grooves (smooth tiles, marble).



GW 16 702 TB

WATERTIGHT PLATES - INTERNATIONAL STANDARD - IP55

| Code | Description | Colour | Included support | Pack Carton |
|--------------|-------------|----------|------------------|-------------|
| GW 16 702 TB | 2 gang | White | GW16822 | 1/24 |
| GW 16 702 TN | 2 gang | Black | GW16822 | 1/12 |
| GW 16 702 VT | 2 gang | Titanium | GW16822 | 1/12 |

CHARACTERISTICS: support included. Ergonomic membrane in UV-resistant material. Snap closing system. Opening made easy by wide key.

APPLICATIONS: for installation on round/square flush-mounting boxes.

NOTES: degree of protection IP55 with closed lid and with installation on smooth, waterproof walls without grooves (smooth tiles, marble).

PLATES FOR PROFILES



GW 16 711 TB

SELF-SUPPORTING PLATES FOR PROFILES AND PANELS



| Code | Description | Colour Plate | Characteristics | Pack Carton |
|--------------|-------------|--------------|-----------------|-------------|
| GW 16 711 TB | 1 gang | White | Halogen free | 1/48 |
| GW 16 712 TB | 2 gang | White | Halogen free | 1/24 |
| GW 16 711 TN | 1 gang | Black | Halogen free | 1/24 |
| GW 16 712 TN | 2 gang | Black | Halogen free | 1/24 |
| GW 16 711 VT | 1 gang | Titanium | Halogen free | 1/12 |
| GW 16 712 VT | 2 gang | Titanium | Halogen free | 1/12 |

CHARACTERISTICS: complete with insulating box and supports. Diameter for cable input max. 10mm.

NOTES: the insulating box is equipped with a tug-proof cable fastener device and a corrugated conduit fastener device.

BLANK PLATES



GW 16 723 TB

BLANK PLATES



| Code | Description | Colour | For support codes | Characteristics | Pack Carton |
|--------------|-------------|--------|-------------------|-----------------|-------------|
| GW 16 723 TB | 3 gang | White | GW16802, GW16803 | Halogen free | 1/24 |
| GW 16 724 TB | 4 gang | White | GW16804 | Halogen free | 1/24 |
| GW 16 723 TN | 3 gang | Black | GW16802, GW16803 | Halogen free | 1/12 |
| GW 16 724 TN | 4 gang | Black | GW16804 | Halogen free | 1/12 |

CHARACTERISTICS: support not included for installation on rectangular boxes.

FREE-STANDING AND WALL-MOUNTING ENCLOSURES



GW 16 854

FREE-STANDING AND WALL-MOUNTING ENCLOSURES FOR ONE PLATES

| Code | Description | Colour | Support | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------|--------|---------|-----------------------|-------------|
| GW 16 854 | 4 gang | White | GW16804 | 140x90x69 | 1/30 |
| GW 16 856 | 6 gang | White | GW16806 | 181x90x69 | 1/15 |
| GW 16 864 | 4 gang | Black | GW16804 | 140x90x69 | 1/30 |
| GW 16 866 | 6 gang | Black | GW16806 | 181x90x69 | 1/15 |

CHARACTERISTICS: support and plate not included. Use ONE plates (interchangeability with the entire colour range of plates).

Diameter for cable input max. 10mm.

NOTES: cable gland and safety cable fastener included. For wall-mounting, use wall plugs with a countersunk head, max Ø 3.5mm.

BOXES, ENCLOSURES AND SUPPORTS

WALL-MOUNTING BOXES



GW 16 743

WALL-MOUNTING BOXES FOR MINI-TRUNKING AND TRUNKING USED AS SKIRTING FOR ONE PLATES



| Code | Description | Support | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|----------------------|-------------|---------|--------------------------|-----------------|----------------|
| Colour: White | | | | | |
| GW 16 743 | 3 gang | GW16803 | 118x90x46 | Halogen free | 3/60 |
| GW 16 744 | 4 gang | GW16804 | 140x90x46 | Halogen free | 1/30 |
| Colour: Black | | | | | |
| GW 16 773 | 3 gang | GW16803 | 118x90x46 | Halogen free | 3/30 |
| GW 16 774 | 4 gang | GW16804 | 140x90x46 | Halogen free | 1/30 |

CHARACTERISTICS: support and plate not included. Use ONE plates (interchangeability with the entire colour range of plates). Pre-arranged for mini-trunking with dimensions BxH (mm): 15x8, 15x10, 22x10, 30x15.

NOTES: fitted for fixing the earth terminal GW26407.



GW 16 752

WALL-MOUNTING BOXES FOR MINI-TRUNKING AND TRUNKING USED AS SKIRTING FOR ONE INTERNATIONAL PLATES



| Code | Description | Type | Support | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|----------------------|-------------|------------|---------|--------------------------|-----------------|----------------|
| Colour: White | | | | | | |
| GW 16 752 | 2 gang | | GW16822 | 90x90x46 | Halogen free | 1/30 |
| GW 16 753 | 2+2 gang | Horizontal | GW16822 | 161x90x46 | Halogen free | 1/15 |
| GW 16 754 | 2+2 gang | Vertical | GW16822 | 90x161x46 | Halogen free | 1/15 |
| Colour: Black | | | | | | |
| GW 16 782 | 2 gang | | GW16822 | 90x90x46 | Halogen free | 1/30 |
| GW 16 783 | 2+2 gang | Horizontal | GW16822 | 161x90x46 | Halogen free | 1/15 |
| GW 16 784 | 2+2 gang | Vertical | GW16822 | 90x161x46 | Halogen free | 1/15 |

CHARACTERISTICS: support and plate not included. Use ONE International plates (interchangeability with the entire colour range of the plates).

Pre-arranged for mini-trunking with dimensions BxH (mm): 15x15, 20x20, 22x10, 30x10, 30x15, 35x15, 45x15.

GW16754 and GW16784 to be used together with plates with a centre distance of 71mm.

GW16752 - GW16782 supplied with 2 fixing screws. GW16753 - GW16754 - GW16783 - GW16784 supplied with 6 fixing screws.

NOTES: fitted for fixing the earth terminal GW26407.

ENCLOSURES FOR OUTDOORS



GW 16 503

SELF-SUPPORTING, EMPTY, PROTECTED ENCLOSURES - IP40

| Code | Description | Colour | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------|---------------|--------------------------|----------------|
| GW 16 502 | 2 gang | Grey RAL 7035 | 66x82x56 | 5/80 |
| GW 16 503 | 3 gang | Grey RAL 7035 | 99x82x56 | 3/60 |
| GW 16 504 | 4 gang | Grey RAL 7035 | 132x82x56 | 1/40 |

CHARACTERISTICS: fitted for fixing the earth terminal GW26407.

NOTES: not suitable for the installation of 1/2 module devices.



GW 16 513

SELF-SUPPORTING, EMPTY, WATERTIGHT ENCLOSURES - IP55

| Code | Description | Colour | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------|---------------|--------------------------|----------------|
| GW 16 512 | 2 gang | Grey RAL 7035 | 66x82x69 | 5/60 |
| GW 16 513 | 3 gang | Grey RAL 7035 | 99x82x69 | 2/40 |
| GW 16 514 | 4 gang | Grey RAL 7035 | 132x82x69 | 1/30 |

CHARACTERISTICS: fitted for fixing the earth terminal GW26407. Ergonomic membrane, in UV-resistant material, Snap closing system.

NOTES: not suitable for the installation of 1/2 module devices.

COMPLEMENTARY ITEMS



GW 26 407

BRASS TERMINAL FOR THROUGH-LINE EARTH CONDUCTOR

| Code | Section (mm ²) | Fixing | Pack Carton |
|-----------|----------------------------|-------------------|-------------|
| GW 26 407 | 4 | Pressure-operated | 200/1600 |

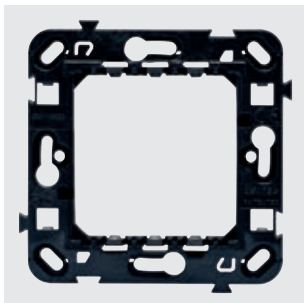


GW 24 224

SPECIAL SELF-TAPPING SCREWS FOR FIXING THE DEVICES

| Code | Dimensions (mm) | Suitable for | Pack Carton |
|-----------|-----------------|--------------------------|-------------|
| GW 24 224 | TC 3.5x17 | Wood, plastic, aluminium | 500/7000 |
| GW 24 225 | TC 3.5x30 | Deep-mounted boxes | 300/4200 |
| GW 24 229 | TC 3.5x50 | Deep-mounted boxes | 300/4200 |

SUPPORTS



GW 16 822

INTERNATIONAL STANDARD SUPPORTS

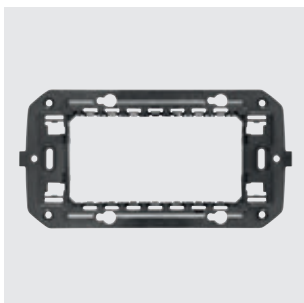


| Code | Description | Fixing | Characteristics | Pack Carton |
|-----------|-------------|---------------------------------|-----------------|-------------|
| GW 16 821 | 2 gang | With fixing clutches | Halogen free | 12/120 |
| GW 16 822 | 2 gang | With screws (not included) | Halogen free | 20/120 |
| GW 16 823 | 2 gang | With long fixing clutches | Halogen free | 12/120 |
| GW 16 831 | 2 gang | With screws (M6/32x23 included) | Halogen free | 10/160 |

CHARACTERISTICS: GW16821 and GW16823 equipped with fixing clutches for installation on round boxes.

GW16831 for boxes with fixing center distance of 60.3mm and dimensions 70x70mm (British Standard).

When using ONE or LUX International plates, 57mm vertical 2+2 gang, use nr. 2 supports GW16822 vertically coupled by breaking the wings located on the contact side on both supports.



GW 16 824

FRENCH STANDARD SUPPORTS



| Code | Description | Fixing | Characteristics | Pack Carton |
|-----------|-------------|--|-----------------|-------------|
| GW 16 824 | 4 gang | With screws (not incl.) horiz. centre dist. 57mm | Halogen free | 12/60 |
| GW 16 825 | 6 gang | With screws (not incl.) horiz. centre dist. 2x57mm | Halogen free | 12/48 |

CHARACTERISTICS: supports pre-arranged for fixing on French Standard rectangular boxes.

NOTES: GW16824 fit the 4-gang Chorus plates. GW16825 fit the 6-gang Chorus plates.



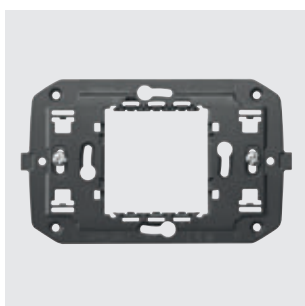
GW 16 871

PROTECTIVE COVERS FOR PAINTING, FOR CHORUS RANGE, INTERNATIONAL STANDARD

| Code | Description | Suitable for | Colour | Pack Carton |
|-----------|-------------|------------------------------------|-------------|-------------|
| GW 16 871 | 2 gang | GW16821, GW16822, GW16823, GW16831 | Transparent | 60/480 |

CHARACTERISTICS: total protection during painting and finishing operations.

NOTES: snap-in mounting to facilitate assembly and removal operations.



GW 16 802

ITALIAN STANDARD SUPPORTS



| Code | Description | Fixing | Characteristics | Pack Carton |
|-----------|-------------|---------------------|-----------------|-------------|
| GW 16 802 | 2 gang | 2 screws (included) | Halogen free | 12/120 |
| GW 16 803 | 3 gang | 2 screws (included) | Halogen free | 12/240 |
| GW 16 804 | 4 gang | 2 screws (included) | Halogen free | 12/120 |
| GW 16 806 | 6 gang | 4 screws (included) | Halogen free | 12/72 |
| GW 16 808 | 4+4 gang | 4 screws (included) | Halogen free | 12/48 |
| GW 16 812 | 6+6 gang | 4 screws (included) | Halogen free | 12/48 |

CHARACTERISTICS: GW16802 fitted for fixing on both rectangular 3-gang boxes (centre distance 83.5mm) and round/square boxes (centre distance 60mm) equipped with fixing columns. To be completed with 2-gang Italian Standard plates.

NOTES: GW16808 and GW16812 can be used in combination with Chorus ONE plates (milk white or titanium).



GW 16 873

PROTECTIVE COVERS FOR PAINTING, FOR CHORUS RANGE, ITALIAN STANDARD

| Code | Description | Suitable for support | Colour | Pack Carton |
|-----------|-------------|----------------------|-------------|-------------|
| GW 16 873 | 3 gang | GW16802, GW16803 | Transparent | 120/480 |
| GW 16 874 | 4 gang | GW16804 | Transparent | 60/240 |
| GW 16 876 | 6 gang | GW16806 | Transparent | 60/240 |

CHARACTERISTICS: total protection during painting and finishing operations.

NOTES: snap-in mounting to facilitate assembly and removal operations.



GW 16 841


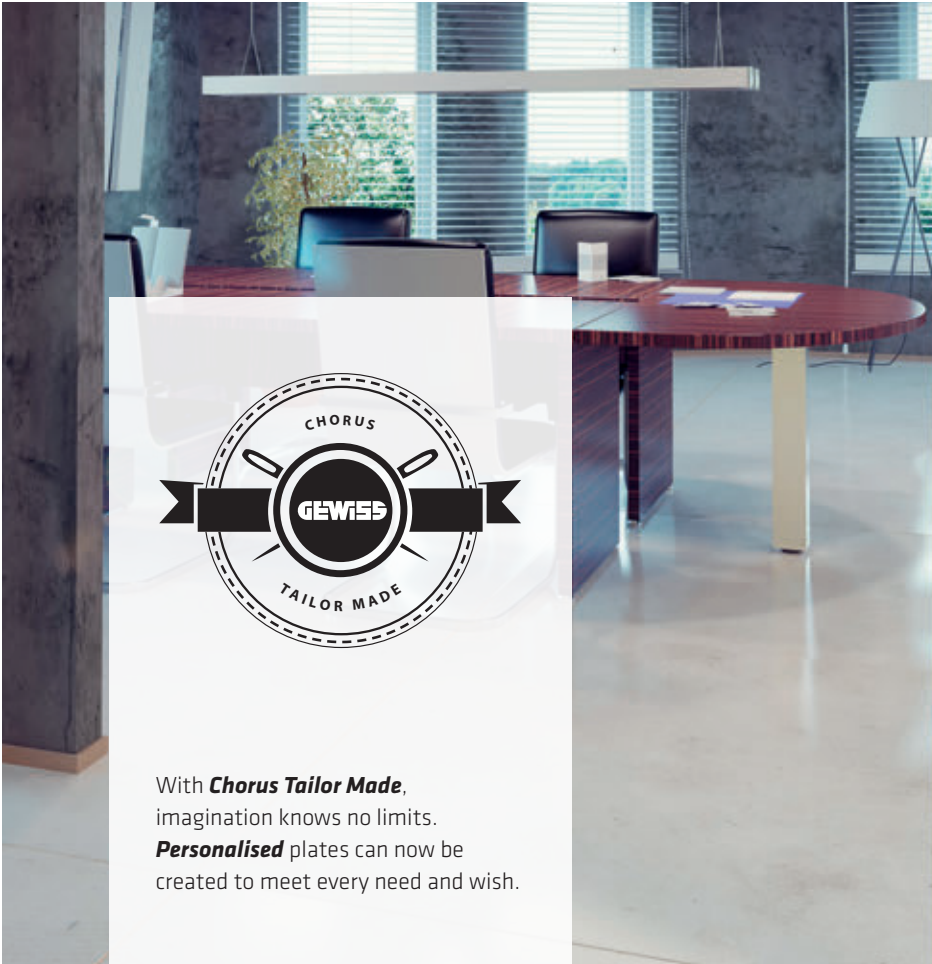
SUPPORTS FOR ASSEMBLING CHORUS DEVICES ON DIN EN 50022 RAIL


| Code | Description | No. DIN modules | Pack Carton |
|-----------|-------------|-----------------|-------------|
| GW 16 841 | 1 gang | 1.5 | 5/300 |
| GW 16 842 | 2 gang | 3 | 5/150 |
| GW 16 843 | 3 gang | 4 | 5/50 |

CHARACTERISTICS: manual release system for Chorus devices, without the need for tools.

NOTES: pay attention when using particularly deep devices (2P three-way switches, movement detectors and IR receivers, relays, German standard socket-outlets with front tightening, quick wiring terminals, British standard socket-outlets, interlocked switched socket-outlet, shaver socket-outlets, USB power supplies, miniature circuit breakers and residual current circuit breakers, anti black-out and emergency lamps, ringers and buzzers, thermostats and timed thermostats, programmers, water and gas detectors, timers, dimmers, touch commands, electronic push-buttons with interlock, KNX flush-mounting timed thermostats, etc.) as they may interfere with the DIN rail, preventing the correct passage of the wires.

Customisation options





With **Chorus Tailor Made**,
imagination knows no limits.
Personalised plates can now be
created to meet every need and wish.

CHORUS Tailor Made
LUX Camouflage print
satin aluminium frame

CHORUS: A FLEXIBLE, PERSONALISED SYSTEM

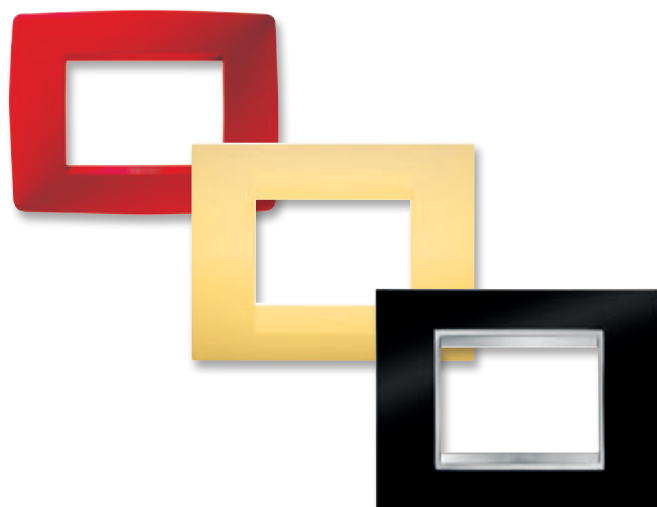
With the aim of providing its customers with a service that meets every type of need, Gewiss now offers the possibility to personalise the plates, choosing from a wide range of colours, materials, finishes and prints. The elegant, refined style of Chorus takes on endless combinations: a perfect mosaic of technology, elegance and performance to meet every taste and requirement, in keeping with the furnishings of the home.



TAILOR-MADE COLOURS AND FINISHES

Apart from the colour range available in the catalogue, Gewiss can widen the choice of colours and finishes to adapt the appearance of the system to suit any room, thanks to its "tailor-made" solutions.

In the case of plain all-over colours, the customer just has to select the RAL colour. For more complex patterns, further details are needed.





CHORUS Tailor Made
LUX Genuine reptile skin
chrome frame

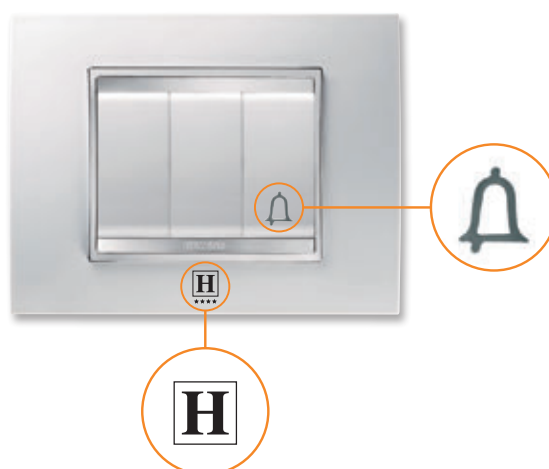
INTERNAL FRAME (LUX and ART)

For all plates with an internal chrome frame (Lux and Art), the colour and finish can be personalised. This means great flexibility for creating plate-frame combinations.



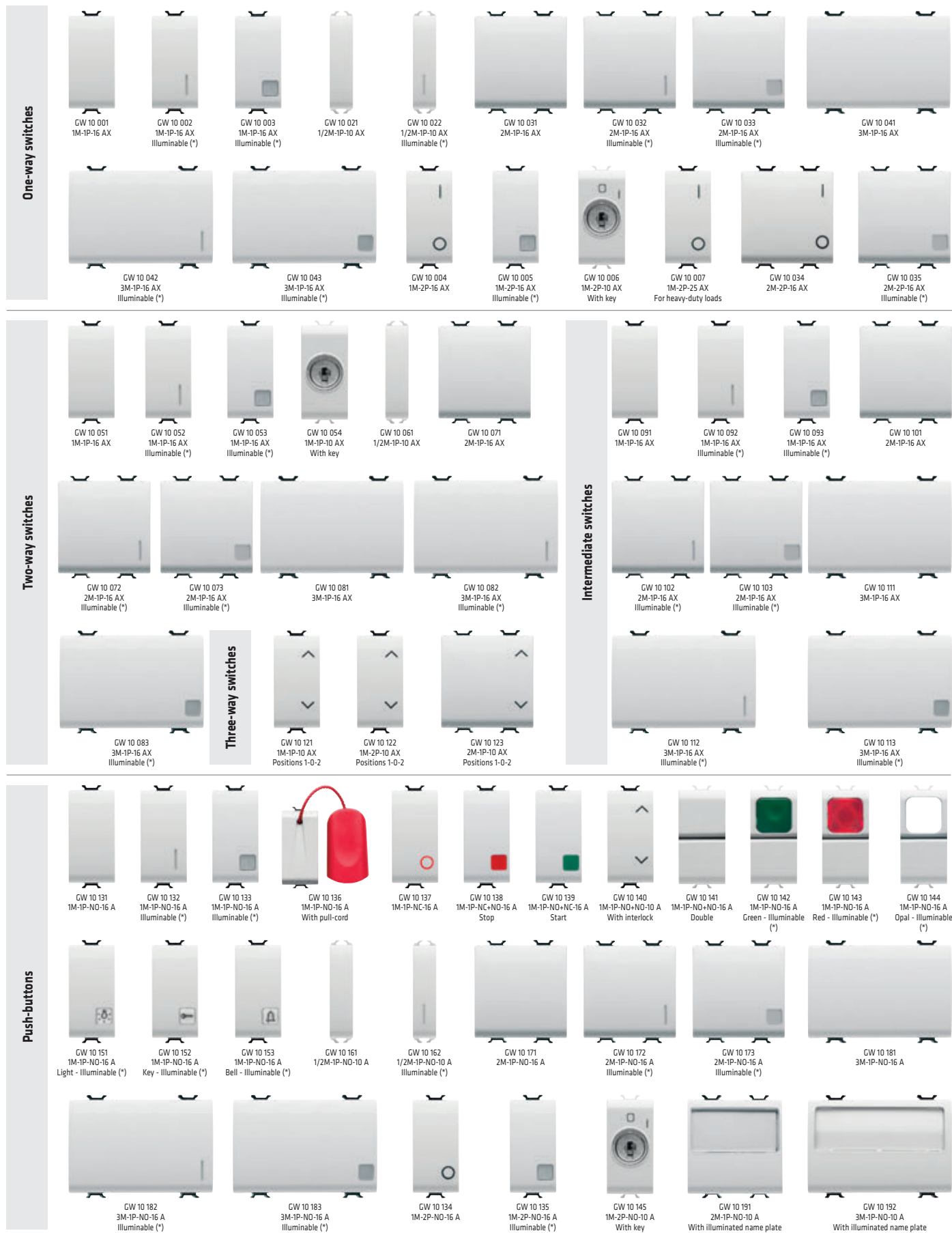
PAD PRINTS

Thanks to the pad printing technique, Gewiss plates can be personalised with words, trademarks and logos of any type. This procedure guarantees the perfect reproduction and non-fading results of the printed elements, whilst maintaining the surface characteristics of the plate unaltered. In addition, there are interchangeable button keys and/or pad-printed blanking modules with symbols and words to ensure that the system functions can be easily identified.



For information about the customisation possibilities, minimum batch numbers and prices, contact the Gewiss sales organisation.

COMMAND - WHITE



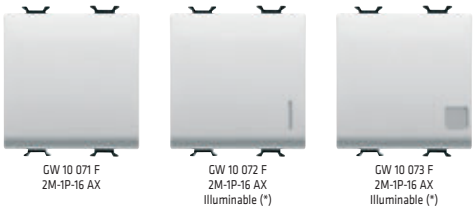
(*) supplied without LED signalling unit

COMMAND - WHITE

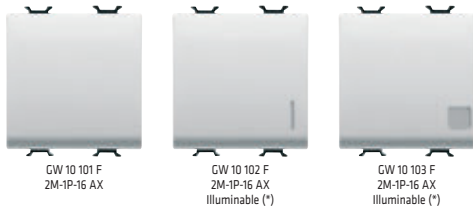
One-way switches
quick wiring



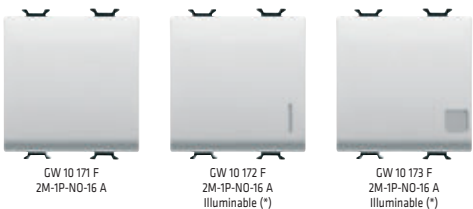
Two-way switches
quick wiring



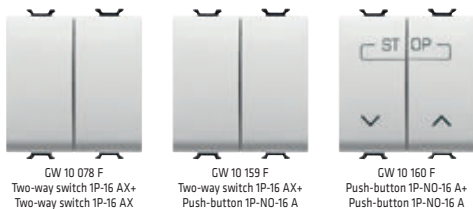
Intermediate switches
quick wiring



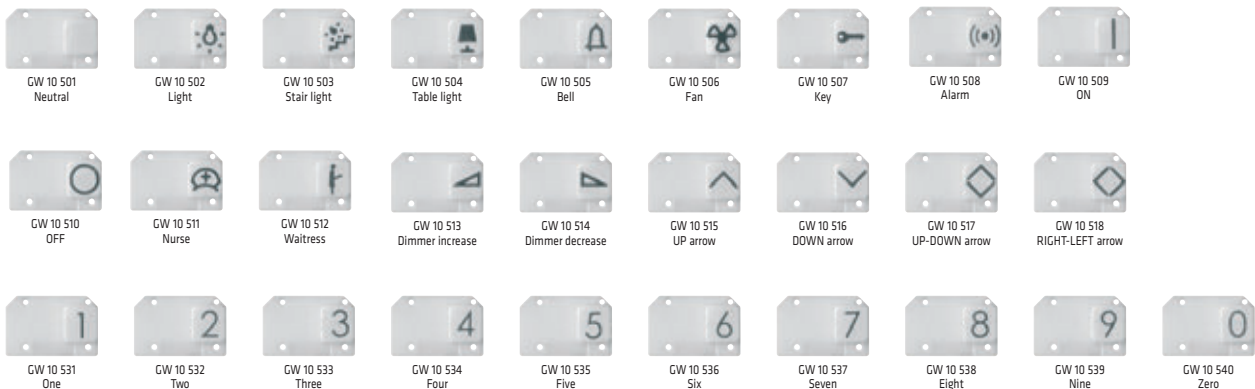
Push-buttons
quick wiring



Combined devices



Lens with illuminated symbol



Interchangeable
button keys



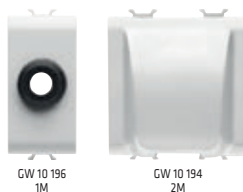
Interchangeable
diffuser



Blanking modules



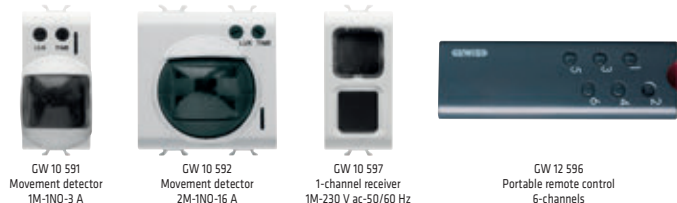
Cable outputs



Hotel components













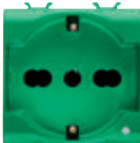






























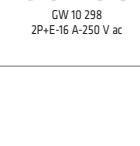








Infrared



Relays







(*) supplied without LED signalling unit

| | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|--|--|
| Italian |  GW 10 201 2P+E-10 A-250 V ac |  GW 10 203 2P+E-16 A-250 V ac Dual amperage |  GW 10 213 2P+E-16 A-250 V ac Dual amperage |  GW 10 223 2P+E-16 A-250 V ac Dual amperage |  GW 10 233 2P+E-16 A-250 V ac Dual amperage |  GW 10 208 2x2P+E-16 A-250 V ac Dual amperage |  GW 10 209 3x2P+E-16 A-250 V ac Dual amperage | | |
| Italian/German |  GW 10 204 2P+E-16 A-250 V ac Dual amperage |  GW 10 205 2P+E-16 A-250 V ac |  GW 10 214 2P+E-16 A-250 V ac Dual amperage - Illuminable (*) |  GW 10 224 2P+E-16 A-250 V ac Dual amperage - Illuminable (*) |  GW 10 234 2P+E-16 A-250 V ac Dual amperage - Illuminable (*) | | | | |
| German |  GW 10 241 2P+E-16 A-250 V ac |  GW 10 242 2P+E-16 A-250 V ac with lid - IP40 |  GW 10 251 2P+E-16 A-250 V ac |  GW 10 341 2P+E-16 A-250 V ac Front tightening terminals |  GW 10 351 2P+E-16 A-250 V ac Front tightening terminals |  GW 10 241 F 2P+E-16 A-250 V ac Quick wiring |  GW 10 251 F 2P+E-16 A-250 V ac Quick wiring | | |
| French |  GW 10 246 2P-16 A-250 V ac |  GW 10 247 2P+E-16 A-250 V ac |  GW 10 248 2P+E-16 A-250 V ac Front tightening terminals |  GW 10 258 2P+E-16 A-250 V ac Front tightening terminals |  GW 10 247 F 2P+E-16 A-250 V ac Quick wiring |  GW 10 257 F 2P+E-16 A-250 V ac Quick wiring |  GW 10 260 Accessory for dedicated lines | | |
| Israeli |  GW 10 281 2P+E-16 A-250 V ac Illuminable (*) |  GW 10 291 2P+E-16 A-250 V ac Illuminable (*) |  GW 10 282 2P-10 A-250 V ac |  USA 2P+E-15 A-250/125 V ac |  Euro-american 2P-15 A-250/125 V ac |  GW 10 287 2P-15 A-250/125 V ac |  GW 10 288 2P+E-15 A-250/125 V ac |  Multistandard GW 10 310 2P+E-13 A/250 V ac - 15 A/127 V ac | |
| British |  GW 10 296 2P+E-13 A-250 V ac |  GW 10 297 2P+E-15 A-250 V ac |  Argentinian 2P+E-10 A-250 V ac |  Australian 2P+E-10 A-250 V ac |  GW 10 306 2P+E-10 A-250 V ac |  GW 10 307 2P+E-15 A-250 V ac |  Indian/South African 2P+E-16 A-250 V ac |  GW 10 298 2P+E-16 A-250 V ac |  GW 10 299 2P+E-16 A-250 V ac |
| Chinese |  GW 10 391 2P+E-10 A-250 V ac |  GW 10 392 2P+E-16 A-250 V ac | | | | | | | |
| Interlocked switched socket-outlets |  GW 10 311 2P+E-16 A-230 V ac |  GW 10 312 2P+E-16 A-230 V ac |  GW 10 321 2P+E-16 A-230 V ac |  GW 10 322 2P+E-16 A-230 V ac | | | | | |
| Shaver socket-outlet | | | | |  GW 10 331 230 V ac-50/60 Hz | | | | |

DATA - WHITE

TV male IEC







GW 10 361
0 dB

GW 10 362
5 dB

GW 10 363
10 dB

GW 10 364
14 dB

TV-SAT female F




GW 10 371
0 dB

GW 10 372
5 dB

GW 10 373
10 dB




GW 10 374
14 dB

TV and TV-SAT accessory



GW 20 277
Terminal resistance
75 ohm

TV-FM-SAT





GW 10 381
TV-FM
0 dB

GW 10 382
TV-FM-SAT
0 dB

GW 10 383
TV-SAT
0 dB



TV-SAT



GW 10 367
TV
IEC male
0dB

GW 10 377
SAT
F female
0dB






Covers for antenna sockets



GW 10 386
For combined TV-R sockets

GW 10 387
For combined TV-R-SAT sockets

Telephone sockets



GW 10 401
RJ11


GW 10 402
RJ11 IN/OUT

GW 10 403
RJ11 double

GW 10 405
French 8 contacts




GW 10 406
British 6 contacts

ADSL



GW 10 410
RJ11 double with ADSL filter

Adapters for optical fiber








GW 10 409
RJ11

GW 10 425
ST

GW 10 426
SC

Data sockets



GW 10 421
RJ45 cat. 5e
UTP




GW 10 422
RJ45 cat. 5e
FTP

GW 10 423
RJ45 cat. 6
UTP

GW 10 424
RJ45 cat. 6
FTP

Adapters

Connectors for conventional networks



GW 10 431
AMP/Keystone Jack






GW 10 438
SYSTIMAX
Commscope

GW 10 441
SUB-D
9 contacts

GW 10 442
SUB-D
15 contacts

GW 10 443
SUB-D
25 contacts

Data socket-outlets



GW 10 434
RJ45 Cat. 5e
UTP



GW 10 436
RJ45 Cat. 5e
FTP

GW 10 435
RJ45 Cat. 6
UTP

GW 10 437
RJ45 Cat. 6
FTP

GW 10 433
AMP/Keystone Jack
adapter





Salv sockets



GW 10 451
2P-6 A-24 V

GW 10 452
2P-6 A-24 V
Polarised

Audio and video sockets






GW 10 453
Double RCA

GW 10 454
Phonic circuits

GW 10 446
Female F coupling

GW 10 458
Speaker connector

USB and HDMI couplers and sockets




GW 10 459
USB socket

GW 38 056
HDMI coupler

GW 38 057
USB coupler

USB power supply



GW 10 450
Double USB power
supply

PROTECTION - WHITE

Miniature circuit breakers



GW 10 461
1P-6 A-3 kA
C characteristic

GW 10 462
1P-10 A-3 kA
C characteristic

GW 10 463
1P-16 A-3 kA
C characteristic

GW 10 466
1P+N-6 A-3 kA
C characteristic

GW 10 467
1P+N-10 A-3 kA
C characteristic

GW 10 468
1P+N-16 A-3 kA
C characteristic

Protection devices



GW 10 491
Fuse holder
In MAX-16 A

GW 10 492
Surge protection device

Residual miniature circuit breakers



GW 10 482
1P+N-6 A-3 kA-10 mA
C characteristic-A type

GW 10 485
1P+N-10 A-3 kA-10 mA
C characteristic-A type

























GW 10 488
1P+N-16 A-3 kA-10 mA
C characteristic-A type

GW 10 483
1P+N-6 A-3 kA-30 mA
C characteristic-A type



















GW 10 486
1P+N-10 A-3 kA-30 mA
C characteristic-A type

GW 10 489
1P+N-16 A-3 kA-30 mA
C characteristic-A type

INDICATOR - WHITE

| | | | | | | | | | | | |
|----------------------------|--|--|--|--|--|--|--|---|------------------------|---|---|
| Anti black-out lamps |  |  | Emergency lamps |  |  | | | | | | |
| | GW 10 661 230 V ac-50/60 Hz Extractable | GW 10 662 230 V ac-50/60 Hz | | GW 10 663 230 V ac-50/60 Hz | GW 10 666 230 V ac-50/60 Hz | | | | | | |
| Ringers |  |  |  |  | Buzzers | | | | | | |
| | GW 10 601 12 V ac-50 Hz | GW 10 602 230 V ac-50 Hz | GW 10 611 12 V ac/dc Three independent inputs | GW 10 612 230 V ac-50 Hz Three independent inputs | | GW 10 606 12 V ac-50 Hz | GW 10 607 230 V ac-50 Hz | | | | |
| Single indicator lamps |  |  |  |  |  |  |  |  | Double indicator lamps |  |  |
| | GW 10 641 1/2M - Opal Illuminable (*) | GW 10 642 1/2M - Green Illuminable (*) | GW 10 643 1/2M - Red Illuminable (*) | GW 10 644 1/2M - Amber Illuminable (*) | GW 10 621 1M - Opal Illuminable (*) | GW 10 622 1M - Green Illuminable (*) | GW 10 623 1M - Red Illuminable (*) | GW 10 624 1M - Amber Illuminable (*) | | GW 10 628 1M - Opal Illuminable (*) | GW 10 629 1M - Red/Green Illuminable (*) |
| Protruding indicator lamps |  |  |  |  | Stair riser lamps |  |  | | | | |
| | GW 10 631 2M-12 V ac/dc-230 V ac-50/60 Hz Opal | GW 10 632 2M-12 V ac/dc-230 V ac-50/60 Hz Green | GW 10 633 2M-12 V ac/dc-230 V ac-50/60 Hz Red | GW 10 634 2M-12 V ac/dc-230 V ac-50/60 Hz Amber | | GW 10 651 2M Opal | GW 10 656 4M Opal | | | | |

ENERGY MANAGEMENT, CLIMATE, COMFORT AND TECHNICAL ALARMS - WHITE

| | | | | | | | | | |
|-------------------------|---|---|---|---|--|---|---|---|---|
| Timed thermostats |  |  |  | Thermostats |  |  |  | | |
| | GW 10 703 230 V ac-50/60 Hz | GW 10 701 White Wall-mounting | GW 14 701 Titanium Wall-mounting | | GW 16 972 CB Thermo ICE WIFI thermostat 12-24 V ac/dc | GW 10 720 Power supply 100/240 V ac-50/60 Hz-12 V dc | GW 10 705 230 V ac-50/60 Hz | | |
| Clock/Alarm/Thermometer |  | Electronic timer |  | Timers |  |  | | | |
| | GW 10 708 230 V ac-50/60 Hz | | GW 10 581 230 V ac-50/60 Hz Daily/Weekly | | GW 10 583 1M | GW 10 582 2M | | | |
| Detectors |  |  |  |  |  |  | Accessories |  |  |
| | GW 10 711 LPG 12 V ac/dc | GW 10 712 Methane GAS 12 V ac/dc | GW 10 716 Water 12 V ac/dc | GW 12 718 RF water sensor | GW A1 514 Water sensor ZigBee | GW A1 521 1-channel actuator ZigBee 230 V ac-50 Hz | | GW 10 720 Power supply 100/240 V ac-50/60 Hz-12 V dc | GW 30 522 GAS solenoid valve 3/4"-230 V ac-12 VA |

(*) supplied without LED signalling unit

REGULATION - WHITE

| Dimmer | | | | | | | | |
|--------|--|---|---|---|--|--|---|---|
| | GW 10 561 | GW 10 564 ▲ | GW 10 567 | GW 10 566 | GW 10 572 | GW 10 573 | GW 10 568 | GW 10 574 |
| | Resistive 100-500 W 230 V ac-50/60 Hz | Resistive 100-900 W Inductive 40-300 VA 230 V ac-50/60 Hz | Resistive 100-500 W Inductive 100-500 VA With two-way switch 230 V ac-50/60 Hz | Resistive 4-160 W LED 4-160 W Electr. transf. 4-160 W With two-way switch 230 V ac-50/60 Hz | Res./Ind. 40-300 W LED 5-150 W CFL 10-100 W 230 V ac-50/60 Hz | Res./Ind. 40-300 W LED 5-150 W CFL 10-100 W 230 V ac-50/60 Hz | Resistive 60-500 W Inductive 60-500 VA 230 V ac-50 Hz | For air agitators Inductive 55-80 VA 230 V ac-50 Hz |

COMMAND - WHITE

| TOUCH commands | | | | TOUCH command modules | | | |
|----------------|-------------------------------------|-----------------------------|---|-----------------------|--|------------------------------------|--|
| | GW 10 904 | GW 10 905 | GW 10 906 | | GW 10 907 | GW 10 908 | GW 10 909 |
| | One-way switch 1M-230 V ac-50 Hz | Dimmer 1M-230 V ac-50 Hz | Command duplicator 1M-230 V ac-50 Hz | | One-way switch module 1M-230 V ac-50 Hz | Dimmer module 1M-230 V ac-50 Hz | Command duplicator module 1M-230 V ac-50 Hz |

| Electronic push-buttons | | | | | | | |
|-------------------------|-----------------------|---------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------------------|
| | GW 10 915 | GW 10 912 | GW 10 913 | GW 10 916 | GW 10 917 | GW 10 918 | GW 10 914 |
| | Universal 1M-IP-NO | 1M-NO-230 V ac Backlit | For BUS inputs 1M-IP-NO Backlit | For BUS inputs 1M-IP-NO Backlit | For BUS inputs 2M-IP-NO Backlit | For BUS inputs 2M-IP-NO Backlit | With interlock 1M-IP-NO+NO |

ACCESSORIES

| LED signalling units | | | | | | | Cartridge lamps | | |
|----------------------|---------------------------|----------------------------|--------------------------|----------------------------|----------------------------|------------------------|-----------------|---------------------|---------------------|
| | GW 10 881 | GW 10 882 | GW 10 883 | GW 10 884 | GW 10 885 | GW 10 894 | | GW 20 902 | GW 20 903 |
| | Blue 230 V ac-50/60 Hz | White 230 V ac-50/60 Hz | Red 230 V ac-50/60 Hz | Green 230 V ac-50/60 Hz | Amber 230 V ac-50/60 Hz | White 12/24 V ac/dc | | White 12 V-S6x36 | White 24 V-S6x36 |

| Keys | | |
|------|--------------------------|------------------|
| | GW 20 901 | GW 30 912 |
| | For one/two-way switches | For push-buttons |

SUPPORTS

| Supports for round/ square boxes | | | Supports for round/square and rectangular boxes | | |
|-------------------------------------|--|---|--|--------------------------------|--|
| | GW 16 821 With fixing clutches - 2 gangs | GW 16 823 With long fixing clutches - 2 gangs | | GW 16 802 With screw - 2 gangs | |
| | | | GW 16 822 With screw (not included) - 2 gangs | | |

| Supports for rectangular boxes | | | | | |
|-----------------------------------|--------------------------------|--|--|----------------------------------|----------------------------------|
| | GW 16 803 With screw - 3 gangs | GW 16 804 With screw - 4 gangs | GW 16 806 With screw - 6 gangs | GW 16 808 With screw - 4+4 gangs | GW 16 812 With screw - 6+6 gangs |
| | | GW 16 824 With screw (for French std boxes) - 4 gangs | GW 16 825 With screw (for French std boxes) - 6 gangs | | |

▲ = Items designed solely to export to a limited number of countries outside the European Union or proposed as candidate and to the European Free Trade Association. Contact Gewiss customer service to check if the product meets the regulations of the country concerned before importing it.

COMMAND - WHITE VERSION

COMMAND DEVICES - SCREW TERMINALS



GW 10 001

ONE-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|--------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 10 001 | 1P - 16AX | Neutral | 12/96 |
| GW 10 002 | 1P - 16AX illuminable | With diffuser | 12/24 |
| GW 10 003 | 1P - 16AX illuminable | With replaceable neutral lens | 12/24 |
| No. Chorus modules: 1/2 | | | |
| GW 10 021 | 1P - 10AX | Neutral | 6/24 |
| GW 10 022 | 1P - 10AX illuminable | With diffuser | 6/24 |
| No. Chorus modules: 2 | | | |
| GW 10 031 | 1P - 16AX | Neutral | 6/24 |
| GW 10 032 | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 10 033 | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |
| No. Chorus modules: 3 | | | |
| GW 10 041 | 1P - 16AX | Neutral | 4/12 |
| GW 10 042 | 1P - 16AX illuminable | With diffuser | 4/12 |
| GW 10 043 | 1P - 16AX illuminable | With replaceable neutral lens | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.



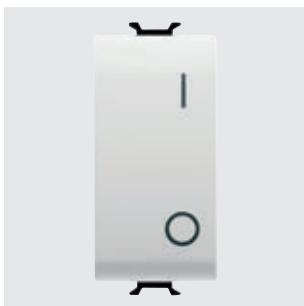
GW 10 004

ONE-WAY SWITCHES 2P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-----------------------|-------------------------------|--------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 10 004 | 2P - 16 AX | Neutral | 0/1 | 12/48 |
| GW 10 005 | 2P - 16AX illuminable | With replaceable neutral lens | | 12/24 |
| GW 10 006 | 2P - 10AX | With key | 0/1 | 1/12 |
| No. Chorus modules: 2 | | | | |
| GW 10 034 | 2P - 16 AX | Neutral | 0/1 | 6/24 |
| GW 10 035 | 2P - 16AX illuminable | With replaceable neutral lens | | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: GW10006 equipped with 2 keys. Key extractable in both positions. Spare keys: GW20901.



GW 10 007

ONE-WAY SWITCH 2P - 250V AC - HEAVY DUTY LOADS

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------|------------|--------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 10 007 | 2P - 25 AX | Neutral | 0/1 | 12/24 |

APPLICATIONS: suitable for particular heavy-duty loads (e.g. fluorescent lamp batteries) or high-consumption devices (e.g. ovens, air-conditioners, boilers, etc.).



GW 10 051

TWO-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|--------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 10 051 | 1P - 16AX | Neutral | 12/96 |
| GW 10 052 | 1P - 16AX illuminable | With diffuser | 12/24 |
| GW 10 053 | 1P - 16AX illuminable | With replaceable neutral lens | 12/24 |
| GW 10 054 | 1P - 10AX | With key | 1/12 |
| No. Chorus modules: 1/2 | | | |
| GW 10 061 | 1P - 10AX | Neutral | 6/24 |
| No. Chorus modules: 2 | | | |
| GW 10 071 | 1P - 16AX | Neutral | 6/24 |
| GW 10 072 | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 10 073 | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |
| No. Chorus modules: 3 | | | |
| GW 10 081 | 1P - 16AX | Neutral | 4/12 |
| GW 10 082 | 1P - 16AX illuminable | With diffuser | 4/12 |
| GW 10 083 | 1P - 16AX illuminable | With replaceable neutral lens | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: GW10054 equipped with 2 keys. Key extractable in both positions. Spare keys: GW20901.

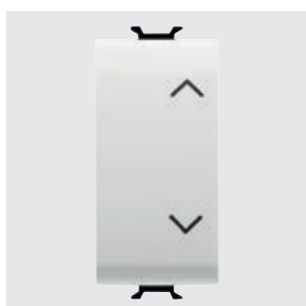


GW 10 091

INTERMEDIATE SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 10 091 | 1P - 16AX | Neutral | 12/48 |
| GW 10 092 | 1P - 16AX illuminable | With diffuser | 12/24 |
| GW 10 093 | 1P - 16AX illuminable | With replaceable neutral lens | 12/24 |
| No. Chorus modules: 2 | | | |
| GW 10 101 | 1P - 16AX | Neutral | 6/12 |
| GW 10 102 | 1P - 16AX illuminable | With diffuser | 6/12 |
| GW 10 103 | 1P - 16AX illuminable | With replaceable neutral lens | 6/12 |
| No. Chorus modules: 3 | | | |
| GW 10 111 | 1P - 16AX | Neutral | 4/12 |
| GW 10 112 | 1P - 16AX illuminable | With diffuser | 4/12 |
| GW 10 113 | 1P - 16AX illuminable | With replaceable neutral lens | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.



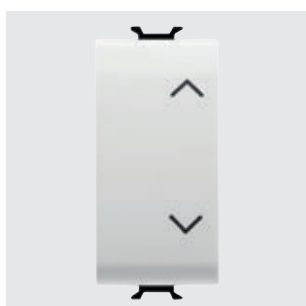
GW 10 121

THREE-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------|------------|-----------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 10 121 | 1P - 10AX | Neutral | UP - DOWN | 12/24 |
| No. Chorus modules: 2 | | | | |
| GW 10 123 | 1P - 10AX | Neutral | UP - DOWN | 6/24 |

CHARACTERISTICS: three standing positions. Both contacts are open in the central position (OFF).

APPLICATIONS: command of circuits requiring an interlock (e.g. operating motorised devices with direction reversal). 2-user selective control.



GW 10 122

THREE-WAY SWITCH 2P - 250 V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------|------------|-----------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 10 122 | 2P - 10AX | Neutral | UP - DOWN | 12/24 |

CHARACTERISTICS: three standing positions. Both contacts are open in the central position (OFF). With 6 terminal blocks.

APPLICATIONS: command of circuits requiring an interlock (e.g. operating motorised devices with direction reversal). 2-user selective control.



GW 10 131

PUSH-BUTTONS 1P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|--------------------------------|-------------------------|-------------------------------|-----------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 10 131 | 1P NO - 16A | Neutral | | 12/96 |
| GW 10 132 | 1P NO - 16A illuminable | With diffuser | | 12/24 |
| GW 10 133 | 1P NO - 16A illuminable | With replaceable neutral lens | | 12/24 |
| GW 10 136 | 1P NO - 16A | Pull-cord | | 1/12 |
| GW 10 137 | 1P NC - 16A | Neutral | 0 red | 12/24 |
| GW 10 138 | 1P NC+NO - 16 A | Stop | Red | 12/24 |
| GW 10 139 | 1P NO+NC - 16 A | Start | Green | 12/24 |
| GW 10 140 | 1P NO+NO - 10A | With interlock | UP - DOWN | 12/24 |
| GW 10 141 | 1P NO+NO - 16 A | Double | | 12/24 |
| GW 10 142 | 1P NO - 16A illuminable | Green diffuser | | 12/24 |
| GW 10 143 | 1P NO - 16A illuminable | Red diffuser | | 12/24 |
| GW 10 144 | 1P NO - 16A illuminable | Opal diffuser | | 12/24 |
| GW 10 151 | 1P NO - 16A illuminable | With replaceable neutral lens | Light | 12/24 |
| GW 10 152 | 1P NO - 16A illuminable | With replaceable neutral lens | Key | 12/24 |
| GW 10 153 | 1P NO - 16A illuminable | With replaceable neutral lens | Bell | 12/24 |
| No. Chorus modules: 1/2 | | | | |
| GW 10 161 | 1P NO - 10A | Neutral | | 6/24 |
| GW 10 162 | 1P NO - 10A illuminable | With diffuser | | 6/24 |
| No. Chorus modules: 2 | | | | |
| GW 10 171 | 1P NO - 16A | Neutral | | 6/24 |
| GW 10 172 | 1P NO - 16A illuminable | With diffuser | | 6/24 |
| GW 10 173 | 1P NO - 16A illuminable | With replaceable neutral lens | | 6/24 |
| No. Chorus modules: 3 | | | | |
| GW 10 181 | 1P NO - 16A | Neutral | | 4/12 |
| GW 10 182 | 1P NO - 16A illuminable | With diffuser | | 4/12 |
| GW 10 183 | 1P NO - 16A illuminable | With replaceable neutral lens | | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

GW10136 Cord in insulating material, 140cm long, with red knob.

GW10140 Button with mechanical interlock. Both contacts are open in the central position (OFF); advisable for activating motorised devices with direction reversal (e.g. roller-shutters, curtains, etc.).

GW10141 independent push-buttons that can also be activated simultaneously.



GW 10 134

PUSH-BUTTONS 2P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------------------|-------------------------------|--------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 10 134 | 2P NO - 16A | Neutral | 0 | 12/24 |
| GW 10 135 | 2P NO - 10A illuminable | With replaceable neutral lens | | 12/24 |
| GW 10 145 | 2P NO - 10A | With key | | 1/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: GW10145 equipped with 2 keys. Spare keys: GW30912.



GW 10 191

PUSH-BUTTONS 1P WITH ILLUMINATED NAME PLATE - 250V AC

| Code | Description | Lamp voltage | Lamp | Lamp power | Pack Carton |
|------------------------------|-------------|--------------|-------------------------|------------|-------------|
| No. Chorus modules: 2 | | | | | |
| GW 10 191 | 1P NO - 10A | 12-24V ac/dc | Cartridge lamp S6x36 mm | 2 W | 6/24 |
| No. Chorus modules: 3 | | | | | |
| GW 10 192 | 1P NO - 10A | 12-24V ac/dc | Cartridge lamp S6x36 mm | 2 W | 4/16 |

CHARACTERISTICS: lamp not included.

COMMAND DEVICES - QUICK WIRING TERMINALS



GW 10 031 F

ONE-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 2 | | | |
| GW 10 031 F | 1P - 16AX | Neutral | 6/24 |
| GW 10 032 F | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 10 033 F | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: spring quick wiring, no tools necessary.



GW 10 034 F

ONE-WAY SWITCHES 2P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-----------------------|-------------------------------|--------|-------------|
| No. Chorus modules: 2 | | | | |
| GW 10 034 F | 2P - 16 AX | Neutral | 0/1 | 6/24 |
| GW 10 035 F | 2P - 16AX illuminable | With replaceable neutral lens | | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: spring quick wiring, no tools necessary.



GW 10 071 F

TWO-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 2 | | | |
| GW 10 071 F | 1P - 16AX | Neutral | 6/24 |
| GW 10 072 F | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 10 073 F | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: spring quick wiring, no tools necessary.



GW 10 101 F

INTERMEDIATE SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 2 | | | |
| GW 10 101 F | 1P - 16AX | Neutral | 6/12 |
| GW 10 102 F | 1P - 16AX illuminable | With diffuser | 6/12 |
| GW 10 103 F | 1P - 16AX illuminable | With replaceable neutral lens | 6/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: spring quick wiring, no tools necessary.



GW 10 171 F

PUSH-BUTTONS 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-------------------------|-------------------------------|----------------|
| No. Chorus modules: 2 | | | |
| GW 10 171 F | 1P NO - 16A | Neutral | 6/24 |
| GW 10 172 F | 1P NO - 16A illuminable | With diffuser | 6/24 |
| GW 10 173 F | 1P NO - 16A illuminable | With replaceable neutral lens | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.
NOTES: spring quick wiring, no tools necessary.



GW 10 160 F

COMBINED COMMAND DEVICES - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|---|------------|----------------|
| No. Chorus modules: 2 | | | |
| GW 10 078 F | Twin two-way switch 1P - 16 AX | Neutral | 6/24 |
| GW 10 159 F | Two-way switch 1P - 16 AX / Push-button 1P NO - 16A | Neutral | 6/24 |
| GW 10 160 F | Twin push-button 1P NO - 16 A | Neutral | 6/24 |

NOTES: spring quick wiring, no tools necessary.

LENS WITH ILLUMINATED SYMBOL



SYMBOLS FOR ILLUMINABLE COMMAND DEVICES

| Code | Symbol | Pack Carton |
|---|--------------------|----------------|
| Suitable for: General services | | |
| GW 10 501 | Neutral | 20/240 |
| GW 10 502 | Light | 20/240 |
| GW 10 503 | Stair light | 20/240 |
| GW 10 504 | Table light | 20/240 |
| GW 10 505 | Bell | 20/240 |
| GW 10 506 | Fan | 20/240 |
| GW 10 507 | Key | 20/240 |
| GW 10 508 | Alarm | 20/240 |
| GW 10 509 | ON | 20/240 |
| GW 10 510 | OFF | 20/240 |
| GW 10 511 | Nurse | 20/240 |
| GW 10 512 | Waitress | 20/240 |
| GW 10 513 | Dimmer increase | 20/240 |
| GW 10 514 | Dimmer decrease | 20/240 |
| GW 10 515 | UP arrow | 20/240 |
| GW 10 516 | DOWN arrow | 20/240 |
| GW 10 517 | UP - DOWN arrow | 20/240 |
| GW 10 518 | RIGHT - LEFT arrow | 20/240 |
| Suitable for: Numerical services | | |
| GW 10 531 | One | 20/240 |
| GW 10 532 | Two | 20/240 |
| GW 10 533 | Three | 20/240 |
| GW 10 534 | Four | 20/240 |
| GW 10 535 | Five | 20/240 |
| GW 10 536 | Six | 20/240 |
| GW 10 537 | Seven | 20/240 |
| GW 10 538 | Eight | 20/240 |
| GW 10 539 | Nine | 20/240 |
| GW 10 540 | Zero | 20/240 |

NOTES: to be used in place of the neutral lens in the illuminable command devices.

INTERCHANGEABLE BUTTON KEYS AND DIFFUSERS



INTERCHANGEABLE BUTTON KEYS AND DIFFUSERS

| Code | Symbol | Pack Carton |
|-----------------------------------|------------------|----------------|
| Description: Keys 22x22 mm | | |
| GW 10 541 | General | 4/48 |
| GW 10 542 | With label | 4/48 |
| GW 10 543 | Key | 4/48 |
| GW 10 544 | Bell | 4/48 |
| GW 10 545 | Vertical arrow | 4/48 |
| GW 10 546 | Horizontal arrow | 4/48 |
| Description: Diffusers | | |
| GW 10 547 | Red | 4/48 |
| GW 10 548 | Green | 4/48 |
| GW 10 549 | Opal | 4/48 |
| GW 10 550 | Amber | 4/48 |

APPLICATIONS: diffusers to be used in place of those on the indicator lamps GW10142, GW10143, GW10144.

NOTES: the Chorus modular system allows the use of 22 x 22mm interchangeable button keys in place of the standard button keys fitted on the command devices GW10141, GW10142, GW10143, GW10144.

BADGE SWITCH



GW 10 039

BADGE SWITCH

| Code | Description | For badge card max. width | No. Chorus modules | Pack Carton |
|-----------|---------------------------|---------------------------|--------------------|-------------|
| GW 10 039 | 1P NA - 16 AX illuminable | 54 mm | 2 | 1/6 |

CHARACTERISTICS: the product can be fitted directly in 2-module plates; with plates of a greater modularity, you are advised to use 2 blanking modules for a 1/2 module (one on the right and one on the left).

APPLICATIONS: activation of circuits and services in hotel rooms (e.g. lights, air-conditioner, fridge-bar), indication of room occupied (with badge inserted)

NOTES: badges not included. The article uses LED signalling units, not included.

BLANKING MODULES AND CABLE OUTLET



GW 10 195

BLANKING MODULES

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|-------------|
| GW 10 195 | 1 gang | 1 | 10/200 |
| GW 10 197 | 1/2 gang | 1/2 | 4/48 |
| GW 10 198 | 2 gang | 2 | 1/48 |
| GW 10 199 | 3 gang | 3 | 1/48 |



GW 10 194

CABLE OUTLET

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|-------------|
| GW 10 194 | 2 gang | 2 | 6/48 |
| GW 10 196 | 1 gang | 1 | 1/48 |

NOTES: GW10196 with anti-traction cable fastener device, cables min 6mm ø, max 10mm ø.

GW10194 with anti-traction cable fastener device, cables min 4mm ø, max 10mm ø. To be installed with the cable output downwards.

MOVEMENT DETECTORS



GW 10 591

INFRARED MOVEMENT DETECTORS

| Code | Supply voltage | Output contacts | No. Chorus modules | Pack Carton |
|-----------|-------------------|--------------------------------|--------------------|-------------|
| GW 10 591 | 230V ac - 50/60Hz | 1NO 3A(AC1) 250V ac | 1 | 1/4 |
| GW 10 592 | 230V ac - 50/60Hz | 1NO 16A(AC1)/10A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: adjustment of the intervention duration 15 sec - 10 min. Light sensitive threshold adjustment - min. 10 lux - max. inhibited.

GW10591 sensor with fixed lens. Suitable for commanding halogen lamps/resistive loads: 700 W, incandescent lamps: 450 W, low voltage halogen lamps (12 V) controlled by toroidal or electronic transformers: 450 W, uncompensated fluorescent lamps: 2x58 W, motors and gear motors: 400 VA. Not suitable for compensated fluorescent lamps, for discharge lamps and for all loads not indicated that must be commanded using a support relay.

GW10592, sensor with adjustable lens and possibility to command via NO remote push-buttons. Suitable for commanding: uncompensated fluorescent lamps 4 A. Not suitable for compensated fluorescent lamps for which the use of a support relay is required to command it.

APPLICATIONS: energy-saving: command of the lighting of rooms and areas only when people pass through.

Comfort and safety: automatic command of circuits without needing to activate one-way switches.

NOTES: do not install the product in watertight plates: the lid membrane does not allow the detector lens to work correctly.

INFRARED REMOTE CONTROL AND RECEIVER



GW 12 596

PORTABLE REMOTE CONTROL

| Code | Power supply batteries | No. of channels | Range | Pack Carton |
|-----------|--------------------------|-----------------|-------|-------------|
| GW 12 596 | 2 alkaline 1.5V AAA-type | 6 | 10 m | 1/2 |

APPLICATIONS: the setting of the inner microswitch on three bands allows you to command up to 18 different receivers GW10597.

NOTES: includes support for wall-mounting. Batteries not included.



GW 10 597

1-CHANNEL RECEIVER

| Code | Supply voltage | Channel selector | Relay output | No. Chorus modules | Pack Carton |
|-----------|-----------------|------------------|---------------------|--------------------|-------------|
| GW 10 597 | 230V ac 50/60Hz | 18 positions | 1NO 5A(AC1) 250V ac | 1 | 1/4 |

APPLICATIONS: command of ringers, electro-locks etc. (direct use, or via monostable relay GW10724).

ON-OFF command of user devices (lamps, fans, etc.) by means of a latching relay GW10721, GW10723.

Command and regulation of lights and air agitators by means of dimmers GW10568, GW10572, GW10573, GW10574.

RELAY



GW 10 724

RELAY - 230V AC 50/60HZ

| Code | Type | No. of poles | Output contacts | Pack Carton |
|------------------------------|------------------------|--------------|---------------------------------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 10 721 | Latching relay | 1P | 10 AX 250V ac | 1/12 |
| GW 10 723 | Latching relay, 4 seq. | 2P | 10 AX 250V ac | 1/12 |
| GW 10 724 | Monostable relay | 1P | 1NO/NC 10A(AC1)/2A(AC15)250V ac | 1/12 |

APPLICATIONS: GW10721, GW10723 command of lighting devices from more than one point, by means of remote NO push-buttons.

GW10721 motor function/stop commands (extractors, air agitators, etc.).

GW10724 as an auxiliary element for commanding special loads, for distance signalling, for electrical separation between the command and use circuits.



GW 10 726

CALL RELAY - 12V AC/DC

| Code | Supply voltage | No. of poles | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|--------------|-----------------------|--------------------|-------------|
| GW 10 726 | 12V ac/dc | 1P | 1NO/NC 12 V (max. 1A) | 1 | 1/12 |

CHARACTERISTICS: inlets for remote NO push-buttons for alarms (e.g. GW10136) and alarm reset (e.g. GW10145). green LED for alarm status signalling.

POWER - WHITE VERSION

SOCKET-OUTLETS - ITALIAN/GERMAN STANDARD



GW 10 203

ITALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------|-----------------|---------------|--------------------|-------------|
| GW 10 201 | 2P+E - 10A | P11 | Ø 4 mm | 1 | 12/96 |
| GW 10 203 | 2P+E - 16 A Dual amperage | P11-P17 | Ø 4 / 5 mm | 1 | 12/96 |

CHARACTERISTICS: with safety shields.



GW 10 204

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Earth pit | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------|------------------|-----------------|------------------|--------------------|-------------|
| GW 10 204 | 2P+E - 16 A Dual amperage | Side and central | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/48 |
| GW 10 205 | 2P+E - 16A | Side and central | P30 | Ø 4 / 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

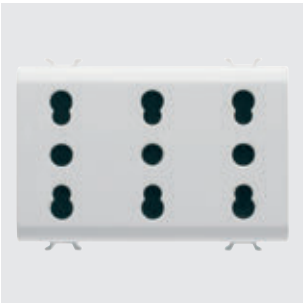


GW 10 208

ITALIAN STANDARD DOUBLE SOCKET-OUTLET - 250V AC

| Code | Description | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-----------------|---------------|--------------------|-------------|
| GW 10 208 | 2x2P+E - 16A Dual amperage | P11-P17 | Ø 4 / 5 mm | 2 | 6/24 |

CHARACTERISTICS: with safety shields. The wiring is carried out via 3 terminals that power the socket-outlets, without using U-bolts.



GW 10 209

ITALIAN STANDARD TRIPLE SOCKET-OUTLET - 250V AC

| Code | Description | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-----------------|---------------|--------------------|-------------|
| GW 10 209 | 3x2P+E - 16A Dual amperage | P11-P17 | Ø 4 / 5 mm | 3 | 4/12 |

CHARACTERISTICS: with safety shields. The wiring is carried out via 3 terminals that power the socket-outlets, without using U-bolts.

SOCKET-OUTLETS FOR DEDICATED LINES - ITALIAN/GERMAN STANDARD



GW 10 213

ITALIAN STANDARD SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|------------------|---------------------------|--------|-----------------|---------------|--------------------|-------------|
| GW 10 213 | 2P+E - 16 A Dual amperage | Red | P11-P17 | Ø 4 / 5 mm | 1 | 12/24 |
| GW 10 223 | 2P+E - 16 A Dual amperage | Green | P11-P17 | Ø 4 / 5 mm | 1 | 12/24 |
| GW 10 233 | 2P+E - 16 A Dual amperage | Orange | P11-P17 | Ø 4 / 5 mm | 1 | 12/24 |

CHARACTERISTICS: with safety shields.



GW 10 214

ITALIAN/GERMAN STANDARD SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|------------------|---------------------------------------|--------|-----------------|------------------|--------------------|-------------|
| GW 10 214 | 2P+E - 16 A Dual amperage illuminable | Red | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/12 |
| GW 10 224 | 2P+E - 16 A Dual amperage illuminable | Green | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/12 |
| GW 10 234 | 2P+E - 16 A Dual amperage illuminable | Orange | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Pit of side and central earth contacts. Pre-arranged for housing LED signalling units, not included.

APPLICATIONS: possibility to indicate presence of auxiliary network.

SOCKET-OUTLETS - GERMAN STANDARD



GW 10 241

GERMAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 241 | 2P+E - 16A | Ø 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

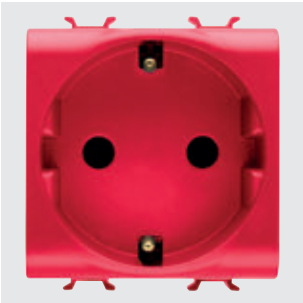


GW 10 242

GERMAN STANDARD SOCKET-OUTLET WITH LID IP40 - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 242 | 2P+E - 16A | Ø 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields. Equipped with a transparent rigid cover with a glossy finish. IP40 degree of protection with the cover closed.



GW 10 251

GERMAN STANDARD SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 10 251 | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields.

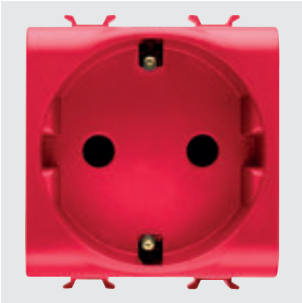


GW 10 341

GERMAN STANDARD SOCKET-OUTLET WITH FRONT TIGHTENING TERMINALS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 341 | 2P+E - 16A | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.



GW 10 351

GERMAN STANDARD SOCKET-OUTLET WITH FRONT TIGHTENING TERMINALS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 10 351 | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.

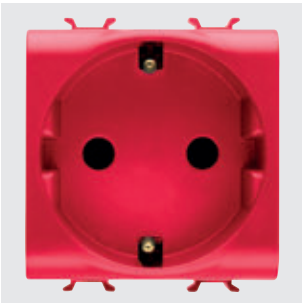


GW 10 241 F

GERMAN STANDARD SOCKET-OUTLET WITH QUICK WIRING TERMINALS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|---------------|--------------------|-------------|
| GW 10 241 F | 2P+E - 16A | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.



GW 10 251 F

GERMAN STANDARD SOCKET-OUTLET FOR DEDICATED LINES WITH QUICK WIRING TERMINALS - 250 V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|--------|---------------|--------------------|-------------|
| GW 10 251 F | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.

SOCKET-OUTLETS - FRENCH STANDARD



GW 10 246

FRENCH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 246 | 2P - 16A | Ø 4 / 4.8 mm | 2 | 1/24 |
| GW 10 247 | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.



GW 10 248

FRENCH STANDARD SOCKET-OUTLET WITH FRONT TIGHTENING TERMINALS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 248 | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.



GW 10 258

FRENCH STANDARD SOCKET-OUTLET FOR DEDICATED LINES, WITH FRONT TIGHTENING TERMINALS - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 10 258 | 2P+E - 16A | Red | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.
To be used in combination with plugs equipped with accessory GW10260



GW 10 247 F

FRENCH STANDARD SOCKET-OUTLET WITH QUICK WIRING TERMINALS - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|---------------|--------------------|-------------|
| GW 10 247 F | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.

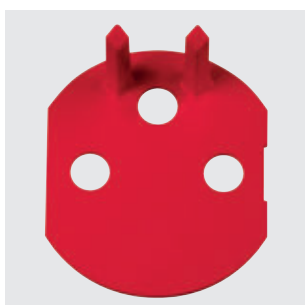


GW 10 257 F

FRENCH STANDARD SOCKET-OUTLET FOR DEDICATED LINES WITH QUICK WIRING TERMINALS - 250 V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|--------|---------------|--------------------|-------------|
| GW 10 257 F | 2P+E - 16A | Red | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.
To be used in combination with plugs equipped with accessory GW10260.



GW 10 260

FRENCH STANDARD SOCKET-OUTLET ACCESSORY, FOR DEDICATED LINES

| Code | Colour | For sockets | Pack Carton |
|-----------|--------|--------------------|-------------|
| GW 10 260 | Red | GW10257F - GW10258 | 10/100 |

CHARACTERISTICS: to be fixed directly on the 2P+E French standard plug, to avoid the incorrect insertion in dedicated line circuits.

SOCKET-OUTLETS - ISRAELI STANDARD



GW 10 281

ISRAELI STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------------------|--------------------|--------------------|-------------|
| GW 10 281 | 2P+E - 16 A illuminable | Round Ø 4 / 4.4 mm | 2 | 1/24 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing LED signalling units, not included.



GW 10 291

ISRAELI STANDARD SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------------------|--------|--------------------|--------------------|-------------|
| GW 10 291 | 2P+E - 16 A illuminable | Red | Round Ø 4 / 4.4 mm | 2 | 1/24 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing LED signalling units, not included.



GW 10 282

ISRAELI STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 282 | 2P - 10 A | Round Ø 4 mm | 1 | 1/48 |

CHARACTERISTICS: with safety shields.

SOCKET-OUTLETS - INTERNATIONAL STANDARD



GW 10 286

USA STANDARD SOCKET-OUTLET - 250/125V AC

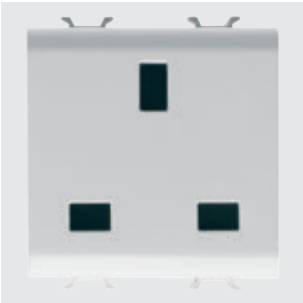
| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------------|--------------------|-------------|
| GW 10 286 | 2P+E - 15A | Flat parallel horizontal | 1 | 12/48 |



GW 10 288

EURO-AMERICAN STANDARD SOCKET-OUTLET - 250/125V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 287 | 2P - 15A | Ø 4 mm Flat | 1 | 12/48 |
| GW 10 288 | 2P+E - 15A | Ø 4 mm Flat | 1 | 12/48 |

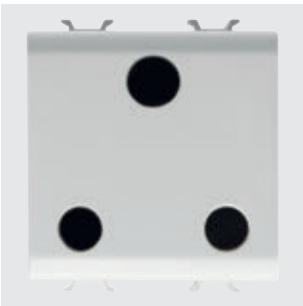


GW 10 296

BRITISH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 296 | 2P+E - 13 A | Flat | 2 | 6/48 |
| GW 10 297 | 2P+E - 15A | Ø 7 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.
NOTES: given the size of the plugs, it is not possible to install two or more socket-outlets side-by-side.



GW 10 298

INDIAN-SOUTH AFRICAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 298 | 2P+E - 16A | Ø 7 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.
NOTES: given the size of the plugs, it is not possible to install two or more socket-outlets side-by-side.



GW 10 299

SOUTH AFRICAN STANDARD SOCKET-OUTLET - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|--------------|----------------|--------------------|-------------|
| GW 10 299 | ① 2P+E - 16A | Round Ø 4,5 mm | 1 | 12/240 |

CHARACTERISTICS: with safety shields.



GW 10 301

ARGENTINIAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 301 | 2P+E - 10A | Flat | 2 | 6/48 |



GW 10 306

AUSTRALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 306 | 2P+E - 10A | Flat | 2 | 6/48 |
| GW 10 307 | 2P+E - 15A | Flat | 2 | 6/48 |



GW 10 310

MULTISTANDARD SOCKET-OUTLET - 250/127V AC

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|------------------------------------|--------------------|-------------|
| GW 10 310 | 2P+E - 13A/250 V ac - 15A/127 V ac | 2 | 10/40 |

CHARACTERISTICS: with safety shields.

APPLICATIONS: for the following standards: british, indian, american, chinese, australian, italian and german.

NOTES: the multistandard energy sockets GW10310, GW12310, GW14310 are in compliance with the safety requirements defined by the International Standard IEC 60884-1. These sockets may not be in compliance with the standard sheets used in the country where they are sold. Hence their usage could be prohibited or however, restricted only for specific applications. The plugs allowed are listed in the technical datasheet. Please contact directly Gewiss technical service for further information.



GW 10 392

CHINESE STANDARD SOCKET-OUTLETS - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 391 | 2P+E - 10A | Flat | 2 | 6/48 |
| GW 10 392 | 2P+E - 16A | Flat | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

INTERLOCKED SWITCHED SOCKET-OUTLETS



GW 10 311

INTERLOCKED SWITCHED SOCKET-OUTLETS WITH MINIATURE CIRCUIT BREAKER - 230V AC

| Code | Description | Socket-out type | Miniature circuit breakers | Breaking capacity | No. Chorus modules | Pack Carton |
|-----------|-------------|-----------------|----------------------------|-------------------|--------------------|-------------|
| GW 10 311 | 2P+E - 16A | P17-P11 | 1P+N 16A | 3 kA | 2 | 1/6 |
| GW 10 312 | 2P+E - 16A | P30-P17 | 1P+N 16A | 3 kA | 3 | 1/4 |

CHARACTERISTICS: Interlocked switched socket-outlets with automatic miniature circuit breaker (C characteristic). Pits under tension only with plug inserted.
APPLICATIONS: suitable for installation in the system terminations to protect the load.



GW 10 321

INTERLOCKED SWITCHED SOCKET-OUTLETS WITH RESIDUAL MINIATURE CIRCUIT BREAKER - 230V AC

| Code | Description | Socket-out type | Miniature circuit breakers | Breaking capacity | I _{Δn} | No. Chorus modules | Pack Carton |
|-----------|-------------|-----------------|----------------------------|-------------------|-----------------|--------------------|-------------|
| GW 10 321 | 2P+E - 16A | P17-P11 | 1P+N 16A | 3 kA | 10 mA | 3 | 1/4 |
| GW 10 322 | 2P+E - 16A | P30-P17 | 1P+N 16A | 3 kA | 10 mA | 4 | 1/2 |

CHARACTERISTICS: Interlocked switched socket-outlets with automatic miniature circuit breaker (C characteristic) and residual current circuit breaker (type A). Pits under tension only with plug inserted.
APPLICATIONS: suitable for installation in the system terminations to protect the load.

SHAVER SOCKET-OUTLET



GW 10 331

EURO-AMERICAN STANDARD SHAVER SOCKET-OUTLET WITH INSULATION TRANSFORMER

| Code | Supply voltage | For plug pins | Selectable output voltage | Maximum power | No. Chorus modules | Pack Carton |
|-----------|---------------------|----------------------|---------------------------|---------------|--------------------|-------------|
| GW 10 331 | 230 V ac - 50/60 Hz | Ø 4 / 5 - 6.3x1.5 mm | 120-230V ac | 20 VA | 3 | 1/2 |

CHARACTERISTICS: the socket-outlet is equipped with a self-protection device against overloading.
The output voltage should be selected correctly, consulting the rating of the user device before inserting the plug.
The relevant indicator LED allows the chosen voltage to be clearly seen.
NOTES: not suitable for installation in wall-mounting boxes or free-standing containers.

DATA - WHITE VERSION

TV-SAT SOCKETS



GW 10 361

COAXIAL TV SOCKETS (5-2400 MHZ), CLASS A SHIELDING - MALE IEC CONNECTOR Ø 9.5 MM

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-------------|--------------------|-------------|
| GW 10 361 | Direct | 0 dB | 1 | 1/48 |
| GW 10 362 | Feedthrough | 5 dB | 1 | 1/24 |
| GW 10 363 | Feedthrough | 10 dB | 1 | 1/24 |
| GW 10 364 | Feedthrough | 14 dB | 1 | 1/24 |
| GW 20 277 | Terminal resistance 75 ohm | | | 50/200 |

CHARACTERISTICS: GW10361 allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).

GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets.

APPLICATIONS: Socket-outlets suitable for return channel.

NOTES: the TV 5dB GW10362 coaxial socket-outlet is defined with conditional use: it is a special feedthrough socket-outlet, and must be used as such, with the only difference that the user port (socket-outlet towards the user device) must always be closed with a 75-Ohm load. (TV, VCR, SAT receiver or 75-Ohm termination)



GW 10 371

COAXIAL TV-SAT SOCKETS (5-2400 MHZ), CLASS A SHIELDING - FEMALE F CONNECTOR

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-------------|--------------------|-------------|
| GW 10 371 | Direct | 0 dB | 1 | 1/48 |
| GW 10 372 | Feedthrough | 5 dB | 1 | 1/24 |
| GW 10 373 | Feedthrough | 10 dB | 1 | 1/24 |
| GW 10 374 | Feedthrough | 14 dB | 1 | 1/24 |
| GW 20 277 | Terminal resistance 75 ohm | | | 50/200 |

CHARACTERISTICS: GW10371 allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).

GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets.

APPLICATIONS: Socket-outlets suitable for return channel.

NOTES: the TV-SAT 5dB GW10372 coaxial socket-outlet is defined with conditional use: it is a special feedthrough socket-outlet, and must be used as such, with the only difference that the user port (socket-outlet towards the user device) must always be closed with a 75-Ohm load (TV, VCR, SAT receiver or 75-Ohm termination).



GW 10 382

TV-FM-SAT SOCKETS

| Code | Connectors | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|------------|-------------|-------------|--------------------|-------------|
| GW 10 381 | TV-FM | Direct | 0 dB | 2 | 1/24 |
| GW 10 382 | TV-FM-SAT | Direct | 0 dB | 2 | 1/24 |
| GW 10 383 | TV-SAT | Direct | 0 dB | 2 | 1/24 |

CHARACTERISTICS: TV-FM direct co-axial socket-outlet GW10381; male IEC-type TV connector ø 9.5mm; female IEC-type FM connector ø 9.5mm.

TV-FM-SAT direct co-axial socket-outlet GW10382; male IEC-type TV connector ø 9.5mm; female IEC-type FM connector ø 9.5mm; female F-type SAT connector.

TV-SAT direct co-axial socket-outlet GW10383; male IEC-type TV connector ø 9.5mm; female F-type SAT connector.

NOTES: demixed socket-outlets with input for co-axial cable Ø 5mm or 7mm.



GW 10 367

COAXIAL TV SOCKETS (5-2400 MHZ), CLASS A SHIELDING - MALE IEC CONNECTOR Ø 9.5MM

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|-------------|-------------|--------------------|-------------|
| GW 10 367 | Direct | 0 dB | 2 | 1/24 |

CHARACTERISTICS: allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).

APPLICATIONS: socket-outlets suitable for return channel.



GW 10 377

COAXIAL TV-SAT SOCKETS (5-2400 MHZ), CLASS A SHIELDING - FEMALE F CONNECTOR

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|-------------|-------------|--------------------|-------------|
| GW 10 377 | Direct | 0 dB | 2 | 1/24 |

CHARACTERISTICS: allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).
APPLICATIONS: socket-outlets suitable for return channel.



GW 10 386

COVERS FOR TV-SAT-R ANTENNA SOCKETS

| Code | Description | No. holes | Pack Carton |
|-----------|-------------------|-----------|-------------|
| GW 10 386 | For TV-R base | 2 | 1/24 |
| GW 10 387 | For TV/R-SAT base | 2 | 1/24 |

APPLICATIONS: suitable for integration on the Chorus range of TV-SAT-R standard bases available on the market.
ACCESSORIES SUPPLIED: fixing screws.

TELEPHONE SOCKETS



GW 10 403

RJ11 TELEPHONE SOCKETS

| Code | Description | Type | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|--------------------|--------------------|-------------|
| GW 10 401 | RJ11 | | Screw-on terminals | 1 | 1/24 |
| GW 10 402 | RJ11 | In out | Impact tool | 1 | 1/24 |
| GW 10 403 | RJ11 | Double | Impact tool | 1 | 1/24 |

CHARACTERISTICS: GW10402, GW10403 impact tool insulator punching connection. GW10402 connector with double terminal board (input and output) to facilitate the shunt of a second line.

APPLICATIONS: telephone, telefax, modem.



GW 10 409

RJ11 TELEPHONE SOCKET

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 10 409 | RJ11 | Screw-on terminals | 2 | 1/24 |

APPLICATIONS: telephone, telefax, modem.



GW 10 410

DOUBLE RJ11 SOCKET WITH ADSL FILTER

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-----------------------------------|--------------------|-------------|
| GW 10 410 | ADSL filter with dual RJ11 socket | 2 | 1/24 |

CHARACTERISTICS: BUS-type rear terminal for connecting up to 4 cables. Built-in ADSL filter.

APPLICATIONS: to be used for the simultaneous connection of telephone devices and modem/PC.



GW 10 405

FRENCH STANDARD TELEPHONE SOCKET

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 10 405 | 8 contacts | Screw-on terminals | 1 | 1/24 |



GW 10 406

BRITISH STANDARD TELEPHONE SOCKET

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 10 406 | 6 contacts | Screw-on terminals | 1 | 1/24 |

DATA SOCKETS



GW 10 421

RJ45 SOCKETS

| Code | Description | Number pairs | Use category | Cables | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------|--------------|--------|------------|--------------------|-------------|
| GW 10 421 | RJ45 | 4 | 5e | UTP | Toolless | 1 | 1/24 |
| GW 10 422 | RJ45 | 4 | 5e | FTP | Toolless | 1 | 1/24 |
| GW 10 423 | RJ45 | 4 | 6 | UTP | Toolless | 1 | 1/24 |
| GW 10 424 | RJ45 | 4 | 6 | FTP | Toolless | 1 | 1/24 |

APPLICATIONS: LANs up to 100MHz (e.g. Ethernet, Token Ring networks) for cat. 5e; LANs up to 250MHz (e.g. Videoconference systems, CCTV) for cat. 6.

NOTES: circuit identification label included.



GW 10 431

ADAPTERS FOR HOUSING DATA CONNECTORS

| Code | Compatibility | No. Chorus modules | Pack Carton |
|-----------|----------------------|--------------------|-------------|
| GW 10 431 | AMP / Keystone Jack | 1 | 1/48 |
| GW 10 438 | ① SYSTIMAX COMMSCOPE | 1 | 1/48 |

NOTES: with regard to the technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the connector and the Gewiss adapter.



GW 10 437

RJ45 SOCKETS

| Code | Description | Number pairs | Use category | Cables | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------|--------------|--------|------------|--------------------|-------------|
| GW 10 434 | RJ45 | 4 | 5e | UTP | Toolless | 2 | 1/24 |
| GW 10 436 | RJ45 | 4 | 5e | FTP | Toolless | 2 | 1/24 |
| GW 10 435 | RJ45 | 4 | 6 | UTP | Toolless | 2 | 1/24 |
| GW 10 437 | RJ45 | 4 | 6 | FTP | Toolless | 2 | 1/24 |

APPLICATIONS: LAN networks up to 100 MHz (e.g. Ethernet or Token Ring networks) for cat. 5e; LAN networks up to 250 MHz (e.g. video conference or video control systems) for cat. 6.



GW 10 433

ADAPTER FOR HOUSING DATA CONNECTORS

| Code | Compatibility | No. Chorus modules | Pack Carton |
|-----------|---------------------|--------------------|-------------|
| GW 10 433 | AMP / Keystone Jack | 2 | 4/100 |

NOTES: due to technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the data socket and the Gewiss empty enclosure.



GW 10 425

ADAPTERS FOR OPTICAL FIBRE

| Code | Description | Type | No. Chorus modules | Pack Carton |
|-----------|--------------|----------------------|--------------------|-------------|
| GW 10 425 | O.F. ST Bush | Bush duplex 50/125um | 1 | 1/24 |
| GW 10 426 | O.F. SC Bush | Bush duplex 50/125um | 1 | 1/24 |

CHARACTERISTICS: precise jointing and signal transmission without any attenuation. GW10425 ST bayonet connection; GW10426 SC coupling connection.

CONNECTORS FOR CONVENTIONAL NETWORKS



GW 10 443

CONNECTORS FOR CONVENTIONAL NETWORKS

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------------|------------|--------------------|-------------|
| GW 10 441 | SUB-D 9 contacts | Weld-in | 2 | 1/12 |
| GW 10 442 | SUB-D 15 contacts | Weld-in | 2 | 1/12 |
| GW 10 443 | SUB-D 25 contacts | Weld-in | 3 | 1/16 |

APPLICATIONS: SUB-D connectors suitable for point-point connections for interfacing computers, peripheral devices, modems, etc..

NOTES: circuit identification label included.

SOCKET-OUTLETS FOR AUXILIARY CIRCUITS



GW 10 451

SELV SOCKETS

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------------------|---------------|--------------------|-------------|
| GW 10 451 | 2P - 6A - 24V | Ø 3 mm | 1 | 12/24 |
| GW 10 452 | 2P - 6A - 24V polarised | Flat | 1 | 12/24 |

CHARACTERISTICS: Centre distance 12,4mm.

AUDIO AND VIDEO SOCKETS



GW 10 453

AUDIO AND VIDEO SOCKETS

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-----------------------------|--------------------|-------------|
| GW 10 453 | Double RCA | 1 | 1/24 |
| GW 10 454 | Phonic circuits | 1 | 1/24 |
| GW 10 446 | F female Coupling connector | 1 | 1/12 |
| GW 10 458 | Speaker socket | 1 | 1/24 |

CHARACTERISTICS: GW10453 double RCA stud connector, red and white, weld-in connection.

GW10454 welding connection. GW10446 input and output connection via F-type male connector. GW10458 front access terminals for inserting 1.5 mm² rigid wires, insulator punching rear connection suitable for cables AWG24 or max 0.25mm².

USB AND HDMI COUPLERS AND SOCKETS



GW 10 459

USB SOCKETS

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-------------------|--------------------|-------------|
| GW 10 459 | USB socket-outlet | 1 | 1/24 |

CHARACTERISTICS: A-type USB 2.0 female connector, with screw terminals on the back.



GW 38 056

USB AND HDMI COUPLERS

| Code | Description | Type | Compatibility | Pack Carton |
|-----------|--------------|------------------------|---------------|-------------|
| GW 38 056 | HDMI coupler | Female/Female | Keystone Jack | 1/48 |
| GW 38 057 | USB coupler | Female/Female - A type | Keystone Jack | 1/48 |

NOTE: for adapters (Chorus, System, Dahlia) with Keystone Jack coupling and for patch-panels.

USB POWER SUPPLY



GW 10 450

DOUBLE USB POWER SUPPLY FOR ELECTRONIC DEVICES

| Code | Supply voltage | Output voltage | Max current supplied | No. Chorus modules | Pack Carton |
|-----------|-------------------------|----------------|----------------------|--------------------|-------------|
| GW 10 450 | 100/240 V ac - 50/60 Hz | 5V dc | 2,1 A | 1 | 1/10 |

CHARACTERISTICS: equipped with two USB, A-type, female connectors that supply a total of 2.1A.

APPLICATIONS: suitable to recharge a single 2.1A electronic device (e.g.: tablet) or a couple of simultaneous devices (e.g.: tablet and smartphone). The total current provided (max. 2.1A) is split in the two USB outputs, depending on the state of charge of the connected devices.

PROTECTION - WHITE VERSION

MINIATURE CIRCUIT BREAKERS



GW 10 463

MCB - MINIATURE CIRCUIT BREAKERS - C CHARACTERISTIC - 230V AC

| Code | Description | Rated current (A) | Breaking capacity | No. Chorus modules | Pack Carton |
|-----------|------------------|-------------------|-------------------|--------------------|-------------|
| GW 10 461 | Single pole (1P) | 6 | 3 kA | 1 | 1/12 |
| GW 10 462 | Single pole (1P) | 10 | 3 kA | 1 | 1/12 |
| GW 10 463 | Single pole (1P) | 16 | 3 kA | 1 | 1/12 |
| GW 10 466 | Two-pole (1P+N) | 6 | 3 kA | 1 | 1/12 |
| GW 10 467 | Two-pole (1P+N) | 10 | 3 kA | 1 | 1/12 |
| GW 10 468 | Two-pole (1P+N) | 16 | 3 kA | 1 | 1/12 |



GW 10 488

RCBO - RESIDUAL CURRENT BREAKERS WITH OVERCURRENT PROTECTION - C CHARACTERISTIC - CLASS A - 230V AC - 50/60 HZ

| Code | Description | Rated current (A) | Breaking capacity | Idn | No. Chorus modules | Pack Carton |
|-----------|-----------------|-------------------|-------------------|-------|--------------------|-------------|
| GW 10 482 | Two-pole (1P+N) | 6 | 3 kA | 10 mA | 2 | 1/6 |
| GW 10 483 | Two-pole (1P+N) | 6 | 3 kA | 30 mA | 2 | 1/6 |
| GW 10 485 | Two-pole (1P+N) | 10 | 3 kA | 10 mA | 2 | 1/6 |
| GW 10 486 | Two-pole (1P+N) | 10 | 3 kA | 30 mA | 2 | 1/6 |
| GW 10 488 | Two-pole (1P+N) | 16 | 3 kA | 10 mA | 2 | 1/6 |
| GW 10 489 | Two-pole (1P+N) | 16 | 3 kA | 30 mA | 2 | 1/6 |

PROTECTION DEVICES



GW 10 491

FUSE HOLDER - 250V AC

| Code | Rated current (A) | Fuse type | No. Chorus modules | Pack Carton |
|-----------|-------------------|-------------|--------------------|-------------|
| GW 10 491 | 16 | Ø 6.3x32 mm | 1 | 1/12 |

CHARACTERISTICS: fuse not included.



GW 10 492

SURGE PROTECTION DEVICE - 230V AC

| Code | Uc | Up | No. Chorus modules | Pack Carton |
|-----------|------------------|------|--------------------|-------------|
| GW 10 492 | 275 V ac 50/60Hz | 1 kV | 1 | 1/12 |

CHARACTERISTICS: green LED for status signalling.

APPLICATIONS: protection of electronic devices (TV, HI-FI, computer, etc.) from overvoltage (resulting from atmospheric conditions or manoeuvres) that could be channelled from the power supply lines.

INDICATOR - WHITE VERSION

INDICATOR LIGHT DEVICES



GW 10 642

SINGLE INDICATOR LAMPS - 1/2 MODULE

| Code | Diffuser colour | Colour meaning | No. Chorus modules | Pack Carton |
|-----------|-----------------|----------------|--------------------|-------------|
| GW 10 641 | Opal | Neutral | 1/2 | 2/48 |
| GW 10 642 | Green | Safety | 1/2 | 2/48 |
| GW 10 643 | Red | Danger | 1/2 | 2/48 |
| GW 10 644 | Amber | Attention | 1/2 | 2/48 |

CHARACTERISTICS: LED signalling units, not included.

APPLICATIONS: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 10 622

SINGLE INDICATOR LAMPS - 1 MODULE

| Code | Diffuser colour | Colour meaning | No. Chorus modules | Pack Carton |
|-----------|-----------------|----------------|--------------------|-------------|
| GW 10 621 | Opal | Neutral | 1 | 1/24 |
| GW 10 622 | Green | Safety | 1 | 1/24 |
| GW 10 623 | Red | Danger | 1 | 1/24 |
| GW 10 624 | Amber | Attention | 1 | 1/24 |

CHARACTERISTICS: LED signalling units, not included.

APPLICATIONS: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 10 629

DOUBLE INDICATOR LAMPS - 1 MODULE

| Code | Diffuser colour | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 10 628 | Opal | 1 | 1/24 |
| GW 10 629 | Red/green | 1 | 1/24 |

CHARACTERISTICS: LED signalling units, not included.

APPLICATIONS: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 10 633

PROTRUDING INDICATOR LAMPS - 2 MODULES

| Code | Supply voltage | Diffuser colour | Lamp | No. Chorus modules | Pack Carton |
|-----------|------------------------------|-----------------|------|--------------------|-------------|
| GW 10 631 | 12V ac/dc - 230V ac 50/60 Hz | Opal | LED | 2 | 1/24 |
| GW 10 632 | 12V ac/dc - 230V ac 50/60 Hz | Green | LED | 2 | 1/24 |
| GW 10 633 | 12V ac/dc - 230V ac 50/60 Hz | Red | LED | 2 | 1/24 |
| GW 10 634 | 12V ac/dc - 230V ac 50/60 Hz | Amber | LED | 2 | 1/24 |

CHARACTERISTICS: highly efficient white LED, powered at 12V ac/dc - 230V ac with double power supply inlet.

APPLICATIONS: suitable for special applications such as the signalling of calls from hospital wards.

NOTES: complete with lamp.



GW 10 656

STAIR RISER LAMP

| Code | Supply voltage | Diffuser colour | Lamp | No. Chorus modules | Pack Carton |
|-----------|------------------------------|-----------------|------|--------------------|-------------|
| GW 10 651 | 12V ac/dc - 230V ac 50/60 Hz | Opal | LED | 2 | 1/24 |
| GW 10 656 | 12V ac/dc - 230V ac 50/60 Hz | Opal | LED | 4 | 1/2 |

CHARACTERISTICS: highly efficient white LED, powered at 12V ac/dc - 230V ac with double power supply inlet.

ANTI BLACK-OUT AND EMERGENCY LAMPS



GW 10 661

EXTRACTABLE ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | Pack Carton |
|------------------|---------------------|------------------------|------------------|------|-------------|
| GW 10 661 | 230 V ac - 50/60 Hz | Ni - Mh | 2 h | LED | 1/6 |

CHARACTERISTICS: equipped with a 3-position selector on the front panel, for anti black-out inhibition and night functioning.

To be inserted in any socket-outlet of the Italian, German or French type. Highly efficient, white LED lamp.



GW 10 662

ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | No. Chorus modules | Pack Carton |
|------------------|---------------------|------------------------|------------------|------|--------------------|-------------|
| GW 10 662 | 230 V ac - 50/60 Hz | Ni - Mh | 1 h | LED | 1 | 1/12 |

CHARACTERISTICS: green LED for the presence of mains voltage signalling. Highly efficient, white LED lamp.



GW 10 663

AUTONOMOUS EMERGENCY LAMPS

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | No. Chorus modules | Pack Carton |
|------------------|---------------------|------------------------|------------------|------|--------------------|-------------|
| GW 10 663 | 230 V ac - 50/60 Hz | Ni - Mh | 1 h | LED | 2 | 1/6 |
| GW 10 666 | 230 V ac - 50/60 Hz | Ni - Mh | 1 h | LED | 4 | 1/2 |

CHARACTERISTICS: green mains presence signal LED. Highly efficient, white LED lamps.

APPLICATIONS: compliant with standards EN60598-2-22.

ACOUSTIC SIGNALLING DEVICES



GW 10 601

RINGERS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------------|-----------------|--------------------|-------------|
| GW 10 601 | 12V ac - 50 Hz | 8 VA | 80 dB (at 1 m) | 1 | 1/24 |
| GW 10 602 | 230V ac - 50 Hz | 8 VA | 80 dB (at 1 m) | 1 | 1/24 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 10 606

BUZZERS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------------|-----------------|--------------------|-------------|
| GW 10 606 | 12V ac - 50 Hz | 8 VA | 70 dB (at 1 m) | 1 | 1/24 |
| GW 10 607 | 230V ac - 50 Hz | 8 VA | 70 dB (at 1 m) | 1 | 1/24 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 10 611

THREE TONE RINGER AND THREE INDEPENDENT INPUTS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------------|-----------------|--------------------|-------------|
| GW 10 611 | 12V ac/dc | 3 VA | 80 dB (at 1 m) | 2 | 1/6 |
| GW 10 612 | 230V ac - 50 Hz | 6 VA | 80 dB (at 1 m) | 2 | 1/6 |

CHARACTERISTICS: for continuous use. Three tones (alarm, ring and two-tone) with adjustable sound intensity.

APPLICATIONS: it is possible to combine the outdoor call, indoor call and alarm functions with one single device.

ENERGY, TEMPERATURE AND COMFORT MANAGEMENT - WHITE VERSION

CLOCK, ALARM, THERMOMETER



GW 10 708

CLOCK - ALARM - THERMOMETER

| Code | Supply voltage | Max. no daily alarms | Sound intensity | Measurement temperature | No. Chorus modules | Pack Carton |
|-----------|---------------------|----------------------|-----------------|-------------------------|--------------------|-------------|
| GW 10 708 | 230 V ac - 50/60 Hz | 2 | 72 dB (at 1 m) | From 0°C to +45°C | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.

TIMER DEVICES

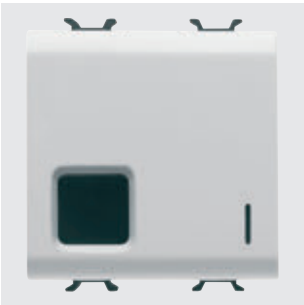


GW 10 581

ELECTRONIC DAILY/WEEKLY TIMER, 1-CHANNEL

| Code | Supply voltage | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|---------------------------------|--------------------|-------------|
| GW 10 581 | 230 V ac - 50/60 Hz | 1NO/NC 8A(AC1)/4A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.



GW 10 582

TIMERS

| Code | Supply voltage | Type | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------|------------------------------|--------------------|-------------|
| GW 10 582 | 230 V ac - 50/60 Hz | Relay | 1NO 16A(AC1)/4A(AC15)250V ac | 2 | 1/2 |
| GW 10 583 | 230 V ac - 50/60 Hz | Electronic | 1NO 2A(AC1) 250V ac | 1 | 1/2 |

CHARACTERISTICS: possibility to command by means of remote control push-buttons, with NO contact. By means of a rotary selector on the side of the product, it is possible to vary the timing (15" - 30''' - 45" - 1' - 1'30''' - 2' - 3' - 5' - 10' - 15').

NOTES: GW10583 not suitable for directly commanding fluorescent lamps. GW10582 suitable for commanding fluorescent lamps with max current of 4A.

TEMPERATURE CONTROL DEVICES



GW 10 703

TIMED THERMOSTAT - DAILY/WEEKLY PROGRAMMING

| Code | Supply voltage | Temperature adjustment | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|---------------------------------|--------------------|-------------|
| GW 10 703 | 230 V ac - 50/60 Hz | From +5°C to +40°C | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.



GW 10 701

WALL-MOUNTING TIMED THERMOSTATS - DAILY/WEEKLY PROGRAMMING - BATTERY-POWERED

| Code | Temperature adjustment | Colour | Output contacts | Dimensions LxHxD (mm) | Pack Carton |
|-----------|------------------------|----------|---------------------------------|-----------------------|-------------|
| GW 10 701 | From +5°C to +40°C | White | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 130x92x23 mm | 1/2 |
| GW 14 701 | From +5°C to +40°C | Titanium | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 130x92x23 mm | 1/2 |

CHARACTERISTICS: powered by 3x1.5V AAA alkaline batteries, not included. Average battery life: 1 year.

Automatic energy saving and comfort function.

Kit for wall-mounting, containing: two strips of double-sided adhesive tape, two ø 6mm wall plugs with screws.



GW 10 705

THERMOSTAT

| Code | Supply voltage | Temperature adjustment | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|--------------------------|--------------------|-------------|
| GW 10 705 | 230 V ac - 50/60 Hz | From +5°C to +35°C | 1NO / NC 8A(AC1) 250V ac | 2 | 1/2 |

CHARACTERISTICS: choice of working mode by means of selector located on the front: summer (air-conditioner), OFF, winter (boiler).

Two-colour front LED to signal the output status (open/closed contact). The lighting up of the LED also indicates mains presence.



GW 16 972 CB

THERMO ICE WI-FI THERMOSTAT

| Code | Colour Plate | Supply voltage | Temperature adjustment | Output contacts | WiFi interface | Dimensions LxHxD (mm) | Pack Carton |
|--------------|--------------|----------------|------------------------|--------------------------|----------------|-----------------------|-------------|
| GW 16 972 CB | White | 12-24V ac/dc | From +5°C to +40°C | 1NO / NC 5A(AC1) 250V ac | Yes | 123x95x11 | 1 |

CHARACTERISTICS: flush-mounting thermostat to control heating/cooling systems and to manually manage the temperature on three levels (comfort, pre-comfort, economy). Control algorithms for 2-way systems: 2 points (ON-OFF), proportional integral (PWM). It includes 1 input for a potential free contact (window contact function), 1 input for external temperature NTC sensor (e.g protection for floor-mounting heating). Equipped with a user interface with touch commands (capacitive) on glass plate and backlit display and integrated proximity and temperature sensors. Equipped with WiFi interface for setting parameters and programming temperature profiles (timed thermostat function) locally or by remote via specific APPs (smartphone, tablet and smartwatch).

NOTES: the thermostat include a front plate, electronic unit and metal support, and is suitable for screw fixing on both rectangular 3-gang boxes (centre distance 83.5 mm) and round/square boxes (centre distance 60 mm) equipped with fixing columns.

ACCESSORIES



GW 10 720

POWER SUPPLY UNIT 12 VDC

| Code | Supply voltage | Output voltage | Max current supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------------|----------------------|-----------------------|-------------|
| GW 10 720 | 100/240 V ac - 50/60 Hz | 12V dc | 300 mA | 52x33x17 | 1/10 |

APPLICATIONS: to be used for powering LPG detectors (GW10711, GW12711, GW14711, GW20868, GW21868, GW30520), methane detectors (GW10712, GW12712, GW14712, GW20867, GW21867, GW30519) and water detectors (GW10716, GW12716, GW14716); Thermo ICE WiFi (GW16972CB, GW16972CN, GW16972CT) and KNX/Easy (GW16974CB, GW16974CN, GW16974CT) thermostats.

DIMMER



GW 10 566

UNIVERSAL ROTATING ELECTRONIC REGULATOR

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|------------------|--------------------|-------------|
| GW 10 566 | ③ 230V ac - 50Hz | 1 | 1/12 |

CHARACTERISTICS: for the regulation and switching of incandescent and halogen lamps 230V AC (4-160W), electronic transformers (4-160W) and LED lamps 230V AC with dimmer functions (4-160W). Rotary command with two-way switch. Equipped with orange signalling LED.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If two regulators are installed in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 10 561

ROTATING ELECTRONIC REGULATORS FOR RESISTIVE/INDUCTIVE LOADS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|------------------------|--------------------|-------------|
| GW 10 561 | 230 V ac - 50/60 Hz | 100 - 500 W | | 1 | 1/12 |
| GW 10 564 | 230 V ac - 50/60 Hz | 100 - 900 W | 40 - 300 VA | 1 | 1/12 |
| GW 10 567 | 230 V ac - 50/60 Hz | 100 - 500 W | 100 - 500 VA | 1 | 1/12 |

CHARACTERISTICS: with signalling led orange. GW10567 rotary command with two-way switch.

GW10564 compliance with the EMC directive is only guaranteed by connecting the regulator to an LC filter with the following characteristics: L=1mH - 5A, C=0.15uF - 275V X2, according to the documentation provided with the product. Item designated solely for export to a limited number of countries outside of the European Union or countries applying to become part of the European Free Trade Area. Contact Gewiss Customer Service to check the product meets the regulations of the country concerned before importing it.

NOTES: to avoid overheating, the side by side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 10 572

UNIVERSAL ELECTRONIC REGULATORS WITH PUSH-BUTTON

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|--------------------|--------------------|-------------|
| GW 10 572 | 230V ac - 50/60 Hz | 1 | 1/12 |
| GW 10 573 | 230V ac - 50/60 Hz | 2 | 1/6 |

CHARACTERISTICS: for the regulation and switching of incandescent and halogen lamps 230V AC (40-300W), low voltage halogen lamps with electronic and winding transformers (40-300W), LED lamps 230V AC with dimmer function (5-150W) and CFL lamps with dimmer function (10-100W). Manual selection of the type of load (Leading Edge or Trailing Edge piloting), soft-start function for lamp protection. Possibility to command and regulate from remote control push-buttons with NO contacts. Equipped with orange signalling LED.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If two regulators are installed in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 10 568

ELECTRONIC REGULATOR WITH BUTTON FOR RESISTIVE/INDUCTIVE LOADS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. Chorus modules | Pack Carton |
|-----------|-----------------|---------------------------|---------------------------|-----------------------|----------------|
| GW 10 568 | 230V ac - 50 Hz | 60 - 500 W | 60 - 500 VA | 1 | 1/12 |

CHARACTERISTICS: possibility to command and regulate from remote control push-buttons with NO contact. With signalling led orange.
NOTES: to avoid overheating, the side by side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



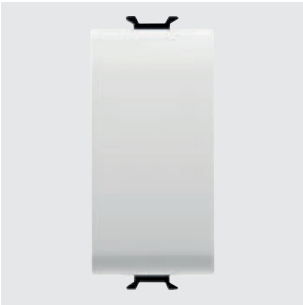
GW 10 574

ELECTRONIC REGULATOR WITH BUTTON FOR AIR AGITATORS

| Code | Supply voltage | Load 230V ac | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------|-----------------------|----------------|
| GW 10 574 | 230V ac - 50 Hz | 55-80 VA | 1 | 1/12 |

CHARACTERISTICS: possibility to command and regulate at fixed steps, also by means of remote control push-buttons, with NO contact. With signalling led red.
APPLICATIONS: suitable for adjusting air agitators, fans and extractors with induction motors.
NOTES: to avoid overheating, the side-by-side installation of several products in a single box is not recommended; insert a blanking module between two electronic devices.

ELECTRONIC PUSH-BUTTONS



GW 10 915

UNIVERSAL ELECTRONIC PUSH-BUTTON

| Code | Type of contact | Type of use | Button key | No. Chorus modules | Pack Carton |
|-----------|-----------------|--|------------|--------------------|-------------|
| GW 10 915 | Potential-free | Relay, dimmer, bus contacts interfaces | Neutral | 1 | 1/12 |

CHARACTERISTICS: push-button suitable for connection of KNX BUS contacts interfaces, or the command of bistable relays, electronic one-way switches for heavy duty loads, or dimmers with a remote control input. Output contact 4A (AC1) - 230 V ac.



GW 10 912

BACKLIT ELECTRONIC PUSH-BUTTON

| Code | Supply voltage | Type of use | Button key | No. Chorus modules | Pack Carton |
|-----------|---------------------|---------------|---------------|--------------------|-------------|
| GW 10 912 | 230 V ac - 50/60 Hz | Relay, dimmer | With diffuser | 1 | 1/12 |

CHARACTERISTICS: push-button for controlling latching relays, electronic switches for heavy duty loads, or dimmers with a remote control input. Equipped with amber localisation LED. Output contact 4A (AC1) - 230 V ac.

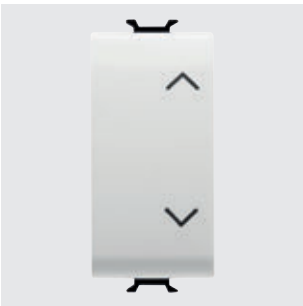


GW 10 913

BACKLIT ELECTRONIC PUSH-BUTTONS FOR BUS INPUTS

| Code | Type of contact | Type of use | Button key | Pack Carton |
|------------------------------|-----------------|-------------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 10 913 | Potential-free | Bus contacts interfaces | With diffuser | 1/12 |
| GW 10 916 | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/12 |
| No. Chorus modules: 2 | | | | |
| GW 10 917 | Potential-free | Bus contacts interfaces | With diffuser | 1/6 |
| GW 10 918 | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/6 |

CHARACTERISTICS: push-button for BUS inputs, suitable for KNX BUS contact interface connections. Equipped with 2-colour (amber/green) LED with colour selector (can be set up to work as a night-time localisation lamp or to indicate the load status).



GW 10 914

DOUBLE ELECTRONIC PUSH-BUTTON

| Code | Type of contact | Button key | Symbol | No. Chorus modules | Pack Carton |
|-----------|---|------------|-----------|--------------------|-------------|
| GW 10 914 | Dual, potential-free and with interlock | Neutral | UP - DOWN | 1 | 1/12 |

CHARACTERISTICS: double push-button suitable for connecting KNX BUS contact interfaces or electronic control panels for moving roller shutters.

TOUCH COMMANDS - WHITE VERSION

TOUCH COMMAND MODULES



GW 10 907

TOUCH ONE-WAY SWITCH MODULE

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 10 907 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicator modules GW10909. A simple programming allows you to configure the acoustic signals (buzzer), light intensity signals (blue LED with two intensity levels), and the output contact (bistable or monostable). NO relay output contact with 230V AC potential. Suitable for commanding halogen and incandescent lamps: 500W, energy saving lamps: 100W (max. 4 lamps), uncompensated fluorescent lamps: 100W. Use a supply relay for all loads that are not indicated.

NOTES: to be completed with ICE Touch glass plate (cod. GW16951CB, GW16952CB, GW16953CB, GW16951CN, GW16952CN, GW16953CN, GW16951CT, GW16952CT, GW16953CT).



GW 10 908

TOUCH DIMMER MODULE

| Code | Supply voltage | Resistive load | Inductive load | No. Chorus modules | Pack Carton |
|-----------|-----------------|----------------|----------------|--------------------|-------------|
| GW 10 908 | 230V ac - 50 Hz | 40 - 300 W | 40 - 300 VA | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicator modules GW10909. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

NOTES: to avoid overheating, the side-by-side installation of several touch dimmer modules in a single container is not permitted; leave the space of a module between two dimmers. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%

To be completed with ICE Touch glass plate (cod. GW16951CB, GW16952CB, GW16953CB, GW16951CN, GW16952CN, GW16953CN, GW16951CT, GW16952CT, GW16953CT).



GW 10 909

TOUCH COMMAND DUPLICATOR MODULE

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 10 909 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: the device must be combined with the touch one-way switch module GW10907 or the touch dimmer module GW10908, increasing the command points. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

NOTES: to be completed with ICE Touch glass plate (cod. GW16951CB, GW16952CB, GW16953CB, GW16951CN, GW16952CN, GW16953CN, GW16951CT, GW16952CT, GW16953CT).

ICE TOUCH PLATES



GW 16 953 CB

ICE TOUCH - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CB | 1 symbol | GW16803 | 1 |
| GW 16 952 CB | 2 symbols | GW16803 | 1 |
| GW 16 953 CB | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).



GW 16 953 CN

ICE TOUCH - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CN | 1 symbol | GW16803 | 1 |
| GW 16 952 CN | 2 symbols | GW16803 | 1 |
| GW 16 953 CN | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).



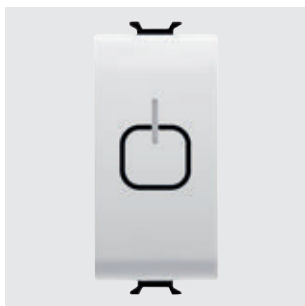
GW 16 953 CT

ICE TOUCH - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CT | 1 symbol | GW16803 | 1 |
| GW 16 952 CT | 2 symbols | GW16803 | 1 |
| GW 16 953 CT | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).

TOUCH COMMANDS



GW 10 904

TOUCH ONE-WAY SWITCH

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|------------------|-----------------|--------------------|-------------|
| GW 10 904 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicators GW10906. A simple programming allows you to configure the acoustic signals (buzzer), light intensity signals (blue LED with two intensity levels), and the output contact (bistable or monostable). NO relay output contact with 230V AC potential. Suitable for commanding halogen and incandescent lamps: 500W, energy saving lamps: 100W (max. 4 lamps), uncompensated fluorescent lamps: 100W. Use a supply relay for all loads that are not indicated.



GW 10 905

TOUCH DIMMER

| Code | Supply voltage | Resistive load | Inductive load | No. Chorus modules | Pack Carton |
|------------------|-----------------|----------------|----------------|--------------------|-------------|
| GW 10 905 | 230V ac - 50 Hz | 40 - 300 W | 40 - 300 VA | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicators GW10906. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

NOTES: to avoid overheating, the side-by-side installation of several touch dimmers in a single container is not permitted; insert a blanking module between two dimmers. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 10 906

TOUCH COMMAND DUPLICATOR

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|------------------|-----------------|--------------------|-------------|
| GW 10 906 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: the device must be combined with the touch one-way switches GW10904 or the touch dimmers GW10905, increasing the command points. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

TECHNICAL ALARMS - WHITE VERSION

GAS DETECTORS



GW 10 711

LPG DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|--------------------|-------------|
| GW 10 711 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.



GW 10 712

METHANE GAS DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|--------------------|-------------|
| GW 10 712 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.

ANTI-FLOOD SYSTEM WITH WIRELESS TRANSMISSION



GW 10 716

WATER DETECTOR

| Code | Supply voltage | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|------------------------------|--------------------|-------------|
| GW 10 716 | 12V ac/dc | 1NO/NC5A(AC1)/3A(AC15)250Vac | 2 | 1/2 |

CHARACTERISTICS: sound intensity: 70dB at 1m.

NOTES: to be used exclusively with the water sensor GW12718. A maximum of 5 water sensors can be connected to each detector.

AVAILABILITY: article available until the new codes GWA1514 and GWA1521 become effective.



GW 12 718

WATER SENSOR

| Code | Supply voltage | RF range in free field | Dimensions LxHxD (mm) | Pack Carton |
|-----------|----------------|------------------------|-----------------------|-------------|
| GW 12 718 | 9V battery | 50 m | 74x88x45.5 | 1/2 |

NOTES: to be used exclusively with the water detector GW10716. The connection with the water detector is wireless.

Equipped with wall plugs, screws and double-sided adhesive tape for wall-mounting.

AVAILABILITY: article available until the new codes GWA1514 and GWA1521 become effective.

ANTI-FLOOD SYSTEM WITH ZIGBEE® WIRELESS TRANSMISSION



GW A1 514

WATER SENSOR ZIGBEE

| Code | Colour | Dimensions (mm) | Pack Carton |
|-----------|--------|-----------------|-------------|
| GW A1 514 | White | Ø 60x37 | 1 |

CHARACTERISTICS: power supply 3V battery type CR123. Siren output: 85 db at 3 m. The device includes also a temperature sensor (0÷50°C).

NOTES: position the sensor on the ground. To be used in combination with a ZigBee actuator (e.g.: GWA1521) to control an electrovalve or a load.



GW A1 521

1-CHANNEL ACTUATOR ZIGBEE

| Code | Supply voltage | Output contacts | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|---------------------|-----------------------|-------------|
| GW A1 521 | 230V ac - 50 Hz | 10 A (AC1) 250 V ac | 38x38x13 | 1/4 |

CHARACTERISTICS: 1-channel actuator for activating loads via the potential-free output contact (NO). Suitable for commanding incandescent lamps (230 V ac): 2300W, loads controlled from toroidal transformers: 450W, loads controlled from electronic transformers: 600W, energy saving lamps (compact fluorescent): 150W, LED lamps (230 V ac): 150W, motors: 500W.

APPLICATIONS: when used with the water sensor, provide the installation of a NO push-button to open the electrovalve manually.

NOTES: installation in flush-mounting boxes, junction boxes, etc.



GW 10 750

BLANKING MODULE FOR HOUSING RF ZIGBEE ACTUATORS

| Code | Colour | No. Chorus modules | Pack Carton |
|-----------|--------|--------------------|-------------|
| GW 10 750 | White | 1 | 1/12 |

CHARACTERISTICS: 1-gang blanking module with pad printing. Allows the housing and fast identification of the flush-mounting RF ZigBee actuator.

NOTES: snap-in assembly.

ACCESSORIES



GW 10 720

POWER SUPPLY UNIT 12 VDC

| Code | Supply voltage | Output voltage | Max current supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------------|----------------------|-----------------------|-------------|
| GW 10 720 | 100/240 V ac - 50/60 Hz | 12V dc | 300 mA | 52x33x17 | 1/10 |

APPLICATIONS: to be used for powering LPG detectors (GW10711, GW12711, GW14711, GW20868, GW21868, GW30520), methane detectors (GW10712, GW12712, GW14712, GW20867, GW21867, GW30519) and water detectors (GW10716, GW12716, GW14716); Thermo ICE WiFi (GW16972CB, GW16972CN, GW16972CT) and KNX/Easy (GW16974CB, GW16974CN, GW16974CT) thermostats.



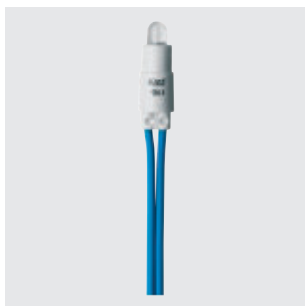
GW 30 522

SOLENOID VALVE, WITH MANUAL RESET, NORMALLY OPEN - 230V - 50HZ

| Code | Delivery Ø | Material | Power input | Pack Carton |
|-----------|------------|----------|-------------|-------------|
| GW 30 522 | 3/4" | Brass | 12 VA | 1/2 |

ACCESSORIES

SIGNALLING UNITS



GW 10 881

MINIATURE LAMPS WITH LED SIGNALLING UNITS - 230 V AC - 0.6 W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Cable Colour | Pack Carton |
|-----------|---------------------|------------|------|---------------|--------------|-------------|
| GW 10 881 | 230 V ac - 50/60 Hz | 0.6 W | LED | Blue | Blue | 50 |
| GW 10 882 | 230 V ac - 50/60 Hz | 0.6 W | LED | White | White | 50 |
| GW 10 883 | 230 V ac - 50/60 Hz | 0.6 W | LED | Red | Red | 50 |
| GW 10 884 | 230 V ac - 50/60 Hz | 0.6 W | LED | Green | Green | 50 |
| GW 10 885 | 230 V ac - 50/60 Hz | 0.6 W | LED | Amber | Orange | 50 |

NOTES: the LED signalling units are supplied with power supply cables (length 10 cm).



GW 10 894

MINIATURE LAMPS WITH LED SIGNALLING UNITS - 12-24 V AC/DC - 0.6 W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Cable Colour | Pack Carton |
|-----------|--------------|------------|------|---------------|--------------|-------------|
| GW 10 894 | 12-24V ac/dc | 0.6 W | LED | White | White | 50 |

NOTES: the LED signalling units are supplied with power supply cables (length 10 cm).

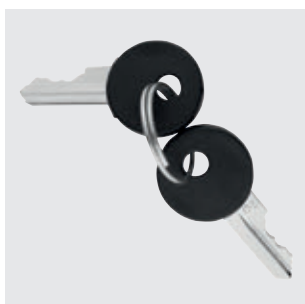


GW 20 902

CARTRIDGE LAMPS - 2W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Dimensions (mm) | Pack Carton |
|-----------|--------------|------------|---------------|---------------|-----------------|-------------|
| GW 20 902 | 12V ac/dc | 2 W | Incandescence | White | S6x36 | 50 |
| GW 20 903 | 24V ac/dc | 2 W | Incandescence | White | S6x36 | 50 |

ACCESSORIES



GW 20 901

SET OF 2 KEYS FOR COMMAND DEVICES

| Code | Suitable for | Pack Carton |
|-----------|-------------------------------------|-------------|
| GW 20 901 | One-way switches - two-way switches | 1/100 |
| GW 30 912 | Push-buttons | 1/100 |

COMMAND - BLACK

| One-way switches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---|---|--|---|---|---|---|---|--|--|--|---|---|--------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| GW 12 001 1M-1P-16 AX | GW 12 002 1M-1P-16 AX Illuminable (*) | GW 12 003 1M-1P-16 AX Illuminable (*) | GW 12 021 1/2M-1P-10 AX | GW 12 022 1/2M-1P-10 AX Illuminable (*) | GW 12 031 2M-1P-16 AX | GW 12 032 2M-1P-16 AX Illuminable (*) | GW 12 033 2M-1P-16 AX Illuminable (*) | GW 12 041 3M-1P-16 AX | | | | | | | | | | | | | | | | | | | | | | |
| GW 12 042 3M-1P-16 AX Illuminable (*) | GW 12 043 3M-1P-16 AX Illuminable (*) | GW 12 004 1M-2P-16 AX | GW 12 005 1M-2P-16 AX Illuminable (*) | GW 12 006 1M-2P-10 AX With key | GW 12 007 1M-2P-25 AX For heavy-duty loads | GW 12 034 2M-2P-16 AX | GW 12 035 2M-2P-16 AX Illuminable (*) | | | | | | | | | | | | | | | | | | | | | | | |
| Two-way switches | | | | | | | | | | Intermediate switches | | | | | | | | | | | | | | | | | | | | |
| GW 12 051 1M-1P-16 AX | GW 12 052 1M-1P-16 AX Illuminable (*) | GW 12 053 1M-1P-16 AX Illuminable (*) | GW 12 054 1M-1P-10 AX With key | GW 12 061 1/2M-1P-10 AX | GW 12 071 2M-1P-16 AX | GW 12 091 1M-1P-16 AX | GW 12 092 1M-1P-16 AX Illuminable (*) | GW 12 093 1M-1P-16 AX Illuminable (*) | GW 12 101 2M-1P-16 AX | | | | | | | | | | | | | | | | | | | | | |
| GW 12 072 2M-1P-16 AX Illuminable (*) | GW 12 073 2M-1P-16 AX Illuminable (*) | GW 12 081 3M-1P-16 AX | GW 12 082 3M-1P-16 AX Illuminable (*) | | | | | | | | | | | GW 12 102 2M-1P-16 AX Illuminable (*) | GW 12 103 2M-1P-16 AX Illuminable (*) | GW 12 111 3M-1P-16 AX | | | | | | | | | | | | | | |
| | | | | | | | | | | Three-way switches | | | | | | | | | | | | | | | | | | | | |
| GW 12 083 3M-1P-16 AX Illuminable (*) | GW 12 121 1M-1P-10 AX Positions 1-0-2 | GW 12 122 1M-2P-10 AX Positions 1-0-2 | GW 12 123 2M-1P-10 AX Positions 1-0-2 | | | | | | | | | | | GW 12 112 3M-1P-16 AX Illuminable (*) | GW 12 113 3M-1P-16 AX Illuminable (*) | | | | | | | | | | | | | | | |
| Push-buttons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GW 12 131 1M-1P-NO-16 A | GW 12 132 1M-1P-NO-16 A Illuminable (*) | GW 12 133 1M-1P-NO-16 A Illuminable (*) | GW 12 136 1M-1P-NO-16 A With pull-cord | GW 12 137 1M-1P-NC-16 A | GW 12 138 1M-1P-NC+NO-16 A Stop | GW 12 139 1M-1P-NO+NC-16 A Start | GW 12 140 1M-1P-NO+NO-10 A With interlock | GW 12 141 1M-1P-NO+NO-16 A Double | GW 12 142 1M-1P-NO-16 A Green - Illuminable (*) | GW 12 143 1M-1P-NO-16 A Red - Illuminable (*) | GW 12 144 1M-1P-NO-16 A Opal - Illuminable (*) | | | | | | | | | | | | | | | | | | | |
| GW 12 151 1M-1P-NO-16 A Light - Illuminable (*) | GW 12 152 1M-1P-NO-16 A Key - Illuminable (*) | GW 12 153 1M-1P-NO-16 A Bell - Illuminable (*) | GW 12 161 1/2M-1P-NO-10 A | GW 12 162 1/2M-1P-NO-10 A Illuminable (*) | GW 12 171 2M-1P-NO-16 A | GW 12 172 2M-1P-NO-16 A Illuminable (*) | GW 12 173 2M-1P-NO-16 A Illuminable (*) | | | | | | | | | | | | | | | | | | | | | | | |
| GW 12 182 3M-1P-NO-16 A Illuminable (*) | GW 12 183 3M-1P-NO-16 A Illuminable (*) | GW 12 134 1M-2P-NO-16 A | GW 12 135 1M-2P-NO-16 A Illuminable (*) | GW 12 145 1M-2P-NO-10 A With key | GW 12 191 With illuminated name plate | GW 12 192 3M-1P-NO-10 A With illuminated name plate | | | | | | | | | | | | | | | | | | | | | | | | |

(*) supplied without LED signalling unit

COMMAND - BLACK

One-way switches
quick wiring

GW 12 031 F
2M-1P-16 AX

GW 12 032 F
2M-1P-16 AX
Illuminable (*)

GW 12 033 F
2M-1P-16 AX
Illuminable (*)

GW 12 034 F
2M-2P-16 AX

GW 12 035 F
2M-2P-16 AX
Illuminable (*)

Two-way switches
quick wiring

GW 12 071 F
2M-1P-16 AX

GW 12 072 F
2M-1P-16 AX
Illuminable (*)

GW 12 073 F
2M-1P-16 AX
Illuminable (*)

Intermediate switches
quick wiring

GW 12 101 F
2M-1P-16 AX

GW 12 102 F
2M-1P-16 AX
Illuminable (*)

GW 12 103 F
2M-1P-16 AX
Illuminable (*)

Push-buttons
quick wiring

GW 12 171 F
2M-1P-NO-16 A

GW 12 172 F
2M-1P-NO-16 A
Illuminable (*)

GW 12 173 F
2M-1P-NO-16 A
Illuminable (*)

Combined devices

GW 12 078 F
Two-way switch 1P-16 AX+
Two-way switch 1P-16 AX

GW 12 159 F
Two-way switch 1P-16 AX+
Push-button 1P-NO-16 A

GW 12 160 F
Push-button 1P-NO-16 A+
Push-button 1P-NO-16 A

Lens with illuminated symbol

GW 10 501
Neutral

GW 10 502
Light

GW 10 503
Stair light

GW 10 504
Table light

GW 10 505
Bell

GW 10 506
Fan

GW 10 507
Key

GW 10 508
Alarm

GW 10 509
ON

GW 10 510
OFF

GW 10 511
Nurse

GW 10 512
Waitress

GW 10 513
Dimmer increase

GW 10 514
Dimmer decrease

GW 10 515
UP arrow

GW 10 516
DOWN arrow

GW 10 517
UP-DOWN arrow

GW 10 518
RIGHT-LEFT arrow

GW 10 531
One

GW 10 532
Two

GW 10 533
Three

GW 10 534
Four

GW 10 535
Five

GW 10 536
Six

GW 10 537
Seven

GW 10 538
Eight

GW 10 539
Nine

GW 10 540
Zero

Interchangeable
button keys

GW 12 541
General

GW 12 542
With label

GW 12 543
Key

GW 12 544
Bell

GW 12 545
Vertical arrow

GW 12 546
Horizontal arrow

Interchangeable
diffuser

GW 10 547
Red

GW 10 548
Green

GW 10 549
Opal

GW 10 550
Amber

Blanking modules

GW 12 197
1/2M

GW 12 195
1M

GW 12 198
2M

GW 12 199
3M

Cable outputs

GW 12 196
1M

GW 12 194
2M

Hotel components

GW 12 039
Badge switch
2M-1P-NO-16 AX Illuminable (*)

Infrared

GW 12 591
Movement detector
1M-1NO-3 A

GW 12 592
Movement detector
2M-1NO-16 A

GW 12 597
1-channel receiver
1M-230 V ac-50/60 Hz

GW 12 596
Portable remote control
6-channels

Relays

GW 12 721
Latching
1M-1P-10 AX-250 V ac

GW 12 723
Latching, 4 sequences
1M-2P-10 AX-250 V ac

GW 12 724
Monostable
1M-1P-10 A-250 V ac-1NO/NC












































GW 12 726
Call
1M-1P-NO-16 AX-12 V ac/dc

DOMESTIC RANGES

(*) supplied without LED signalling unit

119

POWER - BLACK

| | | | | | | | |
|-------------------------------------|---|---|---|---|---|--|---|
| Italian |  |  |  |  |  |  |  |
| | GW 12 201 2P+E-10 A-250 V ac | GW 12 203 2P+E-16 A-250 V ac Dual amperage | GW 10 213 2P+E-16 A-250 V ac Dual amperage | GW 10 223 2P+E-16 A-250 V ac Dual amperage | GW 10 233 2P+E-16 A-250 V ac Dual amperage | GW 12 208 2x2P+E-16 A-250 V ac Dual amperage | GW 12 209 3x2P+E-16 A-250 V ac Dual amperage |
| Italian/German |  |  |  |  |  | | |
| | GW 12 204 2P+E-16 A-250 V ac Dual amperage | GW 12 205 2P+E-16 A-250 V ac | GW 10 214 2P+E-16 A-250 V ac Dual amperage - Illuminable (*) | GW 10 224 2P+E-16 A-250 V ac Dual amperage - Illuminable (*) | GW 10 234 2P+E-16 A-250 V ac Dual amperage - Illuminable (*) | | |
| German |  |  |  |  |  |  |  |
| | GW 12 241 2P+E-16 A-250 V ac | GW 12 242 2P+E-16 A-250 V ac with lid - IP40 | GW 10 251 2P+E-16 A-250 V ac | GW 12 341 2P+E-16 A-250 V ac Front tightening terminals | GW 10 351 2P+E-16 A-250 V ac Front tightening terminals | GW 12 241 F 2P+E-16 A-250 V ac Quick wiring | GW 10 251 F 2P+E-16 A-250 V ac Quick wiring |
| French |  |  |  |  |  |  |  |
| | GW 12 246 2P-16 A-250 V ac | GW 12 247 2P+E-16 A-250 V ac | GW 12 248 2P+E-16 A-250 V ac Front tightening terminals | GW 10 258 2P+E-16 A-250 V ac Front tightening terminals | GW 12 247 F 2P+E-16 A-250 V ac Quick wiring | GW 10 257 F 2P+E-16 A-250 V ac Quick wiring | GW 10 260 Accessory for dedicated lines |
| Israeli |  |  |  | |  | |  |
| | GW 12 281 2P+E-16 A-250 V ac | GW 10 291 2P+E-16 A-250 V ac Illuminable (*) | GW 12 282 2P-10 A-250 V ac | USA | GW 12 286 2P+E-15 A-250/125 V ac | Euro-american | GW 12 310 2P+E - 13 A/250 V ac - 15 A/127 V ac |
| British |  |  | |  | |  |  |
| | GW 12 296 2P+E-13 A-250 V ac | GW 12 297 2P+E-15 A-250 V ac | Argentinian | GW 12 301 2P+E-10 A-250 V ac | Australian | GW 12 306 2P+E-10 A-250 V ac | GW 12 307 2P+E-15 A-250 V ac |
| Chinese |  |  | | | | | |
| | GW 12 391 2P+E-10 A-250 V ac | GW 12 392 2P+E-16 A-250 V ac | | | | | |
| Interlocked switched socket-outlets |  |  |  |  | | |  |
| | GW 12 311 2P+E-16 A-230 V ac | GW 12 312 2P+E-16 A-230 V ac | GW 12 321 2P+E-16 A-230 V ac | GW 12 322 2P+E-16 A-230 V ac | Shaver socket-outlet | | GW 12 331 230 V ac-50/60 Hz |

(*) supplied without LED signalling unit

DATA - BLACK

TV male IEC



GW 12 361
0 dB

GW 12 362
5 dB

GW 12 363
10 dB

GW 12 364
14 dB

TV-SAT female F



GW 12 371
0 dB

GW 12 372
5 dB

GW 12 373
10 dB

GW 12 374
14 dB

TV and TV-SAT accessory



GW 20 277
Terminal resistance
75 ohm

TV-FM-SAT



GW 12 381
TV-FM
0 dB

GW 12 382
TV-FM-SAT
0 dB

GW 12 383
TV-SAT
0 dB

TV-SAT



GW 12 367
IEC male
0dB

GW 12 377
F female
0dB

Covers for antenna sockets



GW 12 386
For combined TV-R sockets

GW 12 387
For combined TV-R-SAT sockets

Telephone sockets



GW 12 401
RJ11

GW 12 402
RJ11 IN/OUT

GW 12 403
RJ11 double

GW 12 405
French 8 contacts

GW 12 406
British 6 contacts

GW 12 410
RJ11 double with ADSL filter

GW 12 409
RJ11

Adapters for optical fiber



GW 12 425
ST

GW 12 426
SC

Data sockets



GW 12 421
RJ45 cat. 5e
UTP

GW 12 422
RJ45 cat. 5e
FTP

GW 12 423
RJ45 Cat. 6
UTP

GW 12 424
RJ45 cat. 6
FTP

GW 12 431
AMP/Keystone Jack

GW 12 438
SYSTIMAX
Commscope

Connectors for conventional networks



GW 12 441
SUB-D
9 contacts

GW 12 442
SUB-D
15 contacts

GW 12 443
SUB-D
25 contacts

Data socket-outlets



GW 12 434
RJ45 Cat. 5e
UTP

GW 12 436
RJ45 Cat. 5e
FTP

GW 12 435
RJ45 Cat. 6
UTP

GW 12 437
RJ45 Cat. 6
FTP

GW 12 433
AMP/Keystone Jack
adapter

Selv sockets



GW 12 451
2P-6 A-24 V

GW 12 452
2P-6 A-24 V
Polarised

Audio and video sockets



GW 12 453
Double RCA

GW 12 454
Phonic circuits

GW 12 446
Female F coupling

GW 12 458
Speaker connector

USB and HDMI couplers and sockets



GW 12 459
USB socket

GW 38 056
HDMI coupler

GW 38 057
USB coupler







USB power supply



GW 12 450
Double USB power
supply

PROTECTION - BLACK

Miniature circuit breakers



GW 12 461
1P-6 A-3 kA
C characteristic

GW 12 462
1P-10 A-3 kA
C characteristic



GW 12 463
1P-16 A-3 kA
C characteristic

GW 12 466
1P+N-6 A-3 kA
C characteristic

GW 12 467
1P+N-10 A-3 kA
C characteristic

GW 12 468
1P+N-16 A-3 kA
C characteristic







Protection devices



GW 12 491
Fuse holder
In MAX-16 A

GW 12 492
Surge protection device

Residual miniature circuit breakers



GW 12 482
1P+N-6 A-3 kA-10 mA
C characteristic-A type

GW 12 485
1P+N-10 A-3 kA-10 mA
C characteristic-A type

GW 12 488
1P+N-16 A-3 kA-10 mA
C characteristic-A type

GW 12 483
1P+N-6 A-3 kA-30 mA
C characteristic-A type

















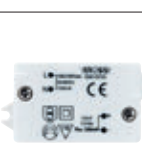

GW 12 486
1P+N-10 A-3 kA-30 mA
C characteristic-A type

GW 12 489
1P+N-16 A-3 kA-30 mA
C characteristic-A type

INDICATOR - BLACK









| | | | | | | | | | | | |
|-----------------------------------|--|---|---|--|--|---|---|---|-------------------------------|--|---|
| Anti black-out lamps |  GW 12 661 230 V ac-50/60 Hz Extractable |  GW 12 662 230 V ac-50/60 Hz | Emergency lamps |  GW 12 663 230 V ac-50/60 Hz |  GW 12 666 230 V ac-50/60 Hz | | | | | | |
| | | | | | | | | | | | |
| Ringers |  GW 12 601 12 V ac-50 Hz |  GW 12 602 230 V ac-50 Hz |  GW 12 611 12 V ac/dc Three independent inputs |  GW 12 612 230 V ac-50 Hz Three independent inputs | Buzzers |  GW 12 606 12 V ac-50 Hz |  GW 12 607 230 V ac-50 Hz | | | | |
| | | | | | | | | | | | |
| Single indicator lamps |  GW 12 641 1/2M - Opal Illuminable (*) |  GW 12 642 1/2M - Green Illuminable (*) |  GW 12 643 1/2M - Red Illuminable (*) |  GW 12 644 1/2M - Amber Illuminable (*) |  GW 12 621 1M - Opal Illuminable (*) |  GW 12 622 1M - Green Illuminable (*) |  GW 12 623 1M - Red Illuminable (*) |  GW 12 624 1M - Amber Illuminable (*) | Double indicator lamps |  GW 12 628 1M - Opal Illuminable (*) |  GW 12 629 1M - Red/Green Illuminable (*) |
| | | | | | | | | | | | |
| Protruding indicator lamps |  GW 12 631 2M-12 V ac/dc-230 V ac-50/60 Hz Opal |  GW 12 632 2M-12 V ac/dc-230 V ac-50/60 Hz Green |  GW 12 633 2M-12 V ac/dc-230 V ac-50/60 Hz Red |  GW 12 634 2M-12 V ac/dc-230 V ac-50/60 Hz Amber | Stair riser lamps |  GW 12 651 2M Opal |  GW 12 656 4M Opal | | | | |
| | | | | | | | | | | | |

ENERGY MANAGEMENT, CLIMATE, COMFORT AND TECHNICAL ALARMS - BLACK







| | | | | | | | | | |
|--------------------------------|---|---|---|---|--|---|---|---|---|
| Timed thermostats |  GW 12 703 230 V ac-50/60 Hz |  GW 10 701 White Wall-mounting |  GW 14 701 Titanium Wall-mounting | Thermostats |  GW 16 972 CN Thermo ICE WIFI thermostat 12-24 V ac/dc |  GW 10 720 Power supply 100/240 V ac-50/60 Hz-12 V dc |  GW 12 705 230 V ac-50/60 Hz | | |
| | | | | | | | | | |
| Clock/Alarm/Thermometer |  GW 12 708 230 V ac-50/60 Hz | Electronic timer |  GW 12 581 230 V ac-50/60 Hz Daily/Weekly | Timers |  GW 12 583 1M |  GW 12 582 2M | | | |
| | | | | | | | | | |
| Detectors |  GW 12 711 LPG 12 V ac/dc |  GW 12 712 Methane GAS 12 V ac/dc |  GW 12 716 Water 12 V ac/dc |  GW 12 718 RF water sensor |  GW A154 Water sensor ZigBee |  GW A1521 1-channel actuator ZigBee 230 V ac-50 Hz | Accessories |  GW 10 720 Power supply 100/240 V ac-50/60 Hz-12 V dc |  GW 30 522 GAS solenoid valve 3/4"-230 V ac-12 VA |
| | | | | | | | | | |

(*) supplied without LED signalling unit

REGULATION - BLACK








| Dimmer |  |  |  |  |  |  |  |  |
|--------|---|---|--|---|---|---|---|---|
| | GW 12 561 Resistive 100-500 W 230 V ac-50/60 Hz | GW 12 564 ▲ Resistive 100-900 W Inductive 40-300 VA 230 V ac-50/60 Hz | GW 12 567 Resistive 100-500 W Inductive 100-500 VA With two-way switch 230 V ac-50/60 Hz | GW 12 566 Resistive 4-160 W LED 4-160 W Electr. transf. 4-160 W With two-way switch 230 V ac-50 Hz | GW 12 572 Res./Ind. 40-300 W LED 5-150 W CFL 10-100 W 230 V ac-50/60 Hz | GW 12 573 Res./Ind. 40-300 W LED 5-150 W CFL 10-100 W 230 V ac-50/60 Hz | GW 12 568 Resistive 60-500 W Inductive 60-500 VA 230 V ac-50 Hz | GW 12 574 For air agitators Inductive 55-80 VA 230 V ac-50 Hz |

COMMAND - BLACK



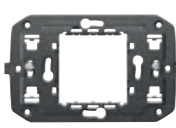

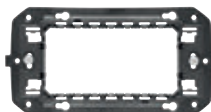

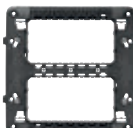
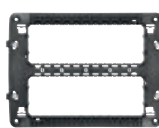
| TOUCH commands |  |  |  | TOUCH command modules |  |  |  |
|----------------|---|---|---|-----------------------|---|---|---|
| | GW 12 904 One-way switch 1M-230 V ac-50 Hz | GW 12 905 Dimmer 1M-230 V ac-50 Hz | GW 12 906 Command duplicator 1M-230 V ac-50 Hz | | GW 10 907 One-way switch module 1M-230 V ac-50 Hz | GW 10 908 Dimmer module 1M-230 V ac-50 Hz | GW 10 909 Command duplicator module 1M-230 V ac-50 Hz |

| Electronic push-buttons |  |  |  |  |  |  |  |
|-------------------------|--|--|--|--|--|--|--|
| | GW 12 915 Universal 1M-1P-NO | GW 12 912 1M-NO-230 V ac Backlit | GW 12 913 For BUS inputs 1M-1P-NO Backlit | GW 12 916 For BUS inputs 1M-1P-NO Backlit | GW 12 917 For BUS inputs 2M-1P-NO Backlit | GW 12 918 For BUS inputs 2M-1P-NO Backlit | GW 12 914 With interlock 1M-1P-NO+NO |

ACCESSORIES

| LED signalling units |  |  |  |  |  |  | Cartridge lamps |  |  | Keys |  |  |
|----------------------|---|---|---|---|---|---|-----------------|---|---|------|---|---|
| | GW 10 881 Blue 230 V ac-50/60 Hz | GW 10 882 White 230 V ac-50/60 Hz | GW 10 883 Red 230 V ac-50/60 Hz | GW 10 884 Green 230 V ac-50/60 Hz | GW 10 885 Amber 230 V ac-50/60 Hz | GW 10 894 White 12/24 V ac/dc | | GW 20 902 White 12 V-56x36 | GW 20 903 White 24 V-56x36 | | GW 20 901 For one/two-way switches | GW 30 912 For push-buttons |

SUPPORTS

| | | | | | |
|-------------------------------------|---|--|--|---|---|
| Supports for round/ square boxes |  |  | Supports for round/square and rectangular boxes |  | |
| | GW 16 821 With fixing clutches - 2 gangs GW 16 823 With long fixing clutches - 2 gangs | GW 16 822 With screw (not included) - 2 gangs | | GW 16 802 With screw - 2 gangs | |
| Supports for rectangular boxes |  |  |  |  |  |
| | GW 16 803 With screw - 3 gangs | GW 16 804 With screw - 4 gangs GW 16 824 With screw (for French std boxes) - 4 gangs | GW 16 806 With screw - 6 gangs GW 16 825 With screw (for French std boxes) - 6 gangs | GW 16 808 With screw - 4+4 gangs | GW 16 812 With screw - 6+6 gangs |

▲ = Items designed solely to export to a limited number of countries outside the European Union or proposed as candidate and to the European Free Trade Association. Contact Gewiss customer service to check if the product meets the regulations of the country concerned before importing it.

COMMAND - BLACK VERSION

COMMAND DEVICES - SCREW TERMINALS



GW 12 001

ONE-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|-------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 12 001 | 1P - 16AX | Neutral | 12/96 |
| GW 12 002 | 1P - 16AX illuminable | With diffuser | 12/24 |
| GW 12 003 | 1P - 16AX illuminable | With replaceable neutral lens | 12/24 |
| No. Chorus modules: 1/2 | | | |
| GW 12 021 | 1P - 10AX | Neutral | 6/24 |
| GW 12 022 | 1P - 10AX illuminable | With diffuser | 6/24 |
| No. Chorus modules: 2 | | | |
| GW 12 031 | 1P - 16AX | Neutral | 6/24 |
| GW 12 032 | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 12 033 | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |
| No. Chorus modules: 3 | | | |
| GW 12 041 | 1P - 16AX | Neutral | 4/12 |
| GW 12 042 | 1P - 16AX illuminable | With diffuser | 4/12 |
| GW 12 043 | 1P - 16AX illuminable | With replaceable neutral lens | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.



GW 12 004

ONE-WAY SWITCHES 2P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|-----------------------|-----------------------|-------------------------------|--------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 12 004 | 2P - 16 AX | Neutral | 0/1 | 12/48 |
| GW 12 005 | 2P - 16AX illuminable | With replaceable neutral lens | | 12/24 |
| GW 12 006 | 2P - 10AX | With key | 0/1 | 1/12 |
| No. Chorus modules: 2 | | | | |
| GW 12 034 | 2P - 16 AX | Neutral | 0/1 | 6/24 |
| GW 12 035 | 2P - 16AX illuminable | With replaceable neutral lens | | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: GW12006 equipped with 2 keys. Key extractable in both positions. Spare keys: GW20901.



GW 12 007

ONE-WAY SWITCH 2P - 250V AC - HEAVY DUTY LOADS

| Code | Description | Button key | Symbol | Pack Carton |
|-----------------------|-------------|------------|--------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 12 007 | 2P - 25 AX | Neutral | 0/1 | 12/24 |

APPLICATIONS: suitable for particular heavy-duty loads (e.g. fluorescent lamp batteries) or high-consumption devices. (e.g. ovens, air-conditioners, boilers, etc.)



GW 12 051

TWO-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|--------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 12 051 | 1P - 16AX | Neutral | 12/96 |
| GW 12 052 | 1P - 16AX illuminable | With diffuser | 12/24 |
| GW 12 053 | 1P - 16AX illuminable | With replaceable neutral lens | 12/24 |
| GW 12 054 | 1P - 10AX | With key | 1/12 |
| No. Chorus modules: 1/2 | | | |
| GW 12 061 | 1P - 10AX | Neutral | 6/24 |
| No. Chorus modules: 2 | | | |
| GW 12 071 | 1P - 16AX | Neutral | 6/24 |
| GW 12 072 | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 12 073 | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |
| No. Chorus modules: 3 | | | |
| GW 12 081 | 1P - 16AX | Neutral | 4/12 |
| GW 12 082 | 1P - 16AX illuminable | With diffuser | 4/12 |
| GW 12 083 | 1P - 16AX illuminable | With replaceable neutral lens | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: GW12054 equipped with 2 keys. Key extractable in both positions. Spare keys: GW20901.



GW 12 091

INTERMEDIATE SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 12 091 | 1P - 16AX | Neutral | 12/48 |
| GW 12 092 | 1P - 16AX illuminable | With diffuser | 12/24 |
| GW 12 093 | 1P - 16AX illuminable | With replaceable neutral lens | 12/24 |
| No. Chorus modules: 2 | | | |
| GW 12 101 | 1P - 16AX | Neutral | 6/12 |
| GW 12 102 | 1P - 16AX illuminable | With diffuser | 6/12 |
| GW 12 103 | 1P - 16AX illuminable | With replaceable neutral lens | 6/12 |
| No. Chorus modules: 3 | | | |
| GW 12 111 | 1P - 16AX | Neutral | 4/12 |
| GW 12 112 | 1P - 16AX illuminable | With diffuser | 4/12 |
| GW 12 113 | 1P - 16AX illuminable | With replaceable neutral lens | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.



GW 12 121

THREE-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------|------------|-----------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 12 121 | 1P - 10AX | Neutral | UP - DOWN | 12/24 |
| No. Chorus modules: 2 | | | | |
| GW 12 123 | 1P - 10AX | Neutral | UP - DOWN | 6/24 |

CHARACTERISTICS: three standing positions. Both contacts are open in the central position (OFF).

APPLICATIONS: command of circuits requiring an interlock (e.g. operating motorised devices with direction reversal). 2-user selective control.



GW 12 122

THREE-WAY SWITCH 2P - 250 V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------|------------|-----------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 12 122 | 2P - 10AX | Neutral | UP - DOWN | 12/24 |

CHARACTERISTICS: three standing positions. Both contacts are open in the central position (OFF). With 6 terminal blocks.

APPLICATIONS: command of circuits requiring an interlock (e.g. operating motorised devices with direction reversal). 2-user selective control.



GW 12 131

PUSH-BUTTONS 1P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|--------------------------------|-------------------------|-------------------------------|-----------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 12 131 | 1P NO - 16A | Neutral | | 12/96 |
| GW 12 132 | 1P NO - 16A illuminable | With diffuser | | 12/24 |
| GW 12 133 | 1P NO - 16A illuminable | With replaceable neutral lens | | 12/24 |
| GW 12 136 | 1P NO - 16A | Pull-cord | | 1/12 |
| GW 12 137 | 1P NC - 16A | Neutral | 0 red | 12/24 |
| GW 12 138 | 1P NC+NO - 16 A | Stop | Red | 12/24 |
| GW 12 139 | 1P NO+NC - 16 A | Start | Green | 12/24 |
| GW 12 140 | 1P NO+NO - 10A | With interlock | UP - DOWN | 12/24 |
| GW 12 141 | 1P NO+NO - 16 A | Double | | 12/24 |
| GW 12 142 | 1P NO - 16A illuminable | Green diffuser | | 12/24 |
| GW 12 143 | 1P NO - 16A illuminable | Red diffuser | | 12/24 |
| GW 12 144 | 1P NO - 16A illuminable | Opal diffuser | | 12/24 |
| GW 12 151 | 1P NO - 16A illuminable | With replaceable neutral lens | Light | 12/24 |
| GW 12 152 | 1P NO - 16A illuminable | With replaceable neutral lens | Key | 12/24 |
| GW 12 153 | 1P NO - 16A illuminable | With replaceable neutral lens | Bell | 12/24 |
| No. Chorus modules: 1/2 | | | | |
| GW 12 161 | 1P NO - 10A | Neutral | | 6/24 |
| GW 12 162 | 1P NO - 10A illuminable | With diffuser | | 6/24 |
| No. Chorus modules: 2 | | | | |
| GW 12 171 | 1P NO - 16A | Neutral | | 6/24 |
| GW 12 172 | 1P NO - 16A illuminable | With diffuser | | 6/24 |
| GW 12 173 | 1P NO - 16A illuminable | With replaceable neutral lens | | 6/24 |
| No. Chorus modules: 3 | | | | |
| GW 12 181 | 1P NO - 16A | Neutral | | 4/12 |
| GW 12 182 | 1P NO - 16A illuminable | With diffuser | | 4/12 |
| GW 12 183 | 1P NO - 16A illuminable | With replaceable neutral lens | | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

GW12136 Cord in insulating material, 140cm long, with red knob.

GW12140 Button with mechanical interlock. Both contacts are open in the central position (OFF); advisable for activating motorised devices with direction reversal (e.g. roller-shutters, curtains, etc.).

GW12141 independent push-buttons that can also be activated simultaneously.



GW 12 134

PUSH-BUTTONS 2P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------------------|-------------------------------|--------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 12 134 | 2P NO - 16A | Neutral | 0 | 12/24 |
| GW 12 135 | 2P NO - 10A illuminable | With replaceable neutral lens | | 12/24 |
| GW 12 145 | 2P NO - 10A | With key | | 1/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: GW12145 equipped with 2 keys. Spare keys: GW30912.



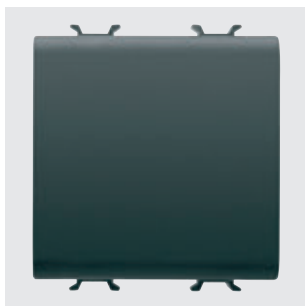
GW 12 191

PUSH-BUTTONS 1P WITH ILLUMINATED NAME PLATE - 250V AC

| Code | Description | Lamp voltage | Lamp | Lamp power | Pack Carton |
|------------------------------|-------------|--------------|-------------------------|------------|-------------|
| No. Chorus modules: 2 | | | | | |
| GW 12 191 | 1P NO - 10A | 12-24V ac/dc | Cartridge lamp S6x36 mm | 2 W | 6/24 |
| No. Chorus modules: 3 | | | | | |
| GW 12 192 | 1P NO - 10A | 12-24V ac/dc | Cartridge lamp S6x36 mm | 2 W | 4/16 |

CHARACTERISTICS: lamp not included.

COMMAND DEVICES - QUICK WIRING TERMINALS



GW 12 031 F

ONE-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 2 | | | |
| GW 12 031 F | 1P - 16AX | Neutral | 6/24 |
| GW 12 032 F | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 12 033 F | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: spring quick wiring, no tools necessary.



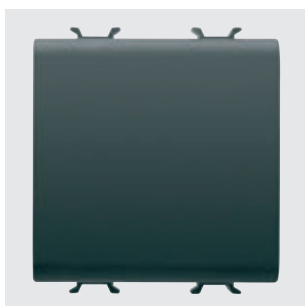
GW 12 034 F

ONE-WAY SWITCHES 2P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-----------------------|-------------------------------|--------|-------------|
| No. Chorus modules: 2 | | | | |
| GW 12 034 F | 2P - 16 AX | Neutral | 0/1 | 6/24 |
| GW 12 035 F | 2P - 16AX illuminable | With replaceable neutral lens | | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included..

NOTES: spring quick wiring, no tools necessary.



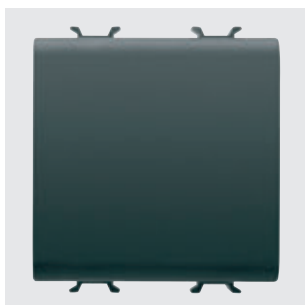
GW 12 071 F

TWO-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 2 | | | |
| GW 12 071 F | 1P - 16AX | Neutral | 6/24 |
| GW 12 072 F | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 12 073 F | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: spring quick wiring, no tools necessary.



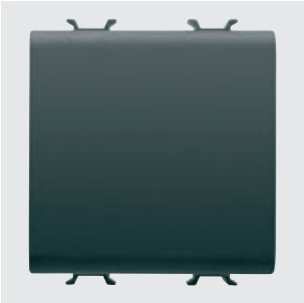
GW 12 101 F

INTERMEDIATE SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 2 | | | |
| GW 12 101 F | 1P - 16AX | Neutral | 6/12 |
| GW 12 102 F | 1P - 16AX illuminable | With diffuser | 6/12 |
| GW 12 103 F | 1P - 16AX illuminable | With replaceable neutral lens | 6/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: spring quick wiring, no tools necessary.



GW 12 171 F

PUSH-BUTTONS 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-------------------------|-------------------------------|----------------|
| No. Chorus modules: 2 | | | |
| GW 12 171 F | 1P NO - 16A | Neutral | 6/24 |
| GW 12 172 F | 1P NO - 16A illuminable | With diffuser | 6/24 |
| GW 12 173 F | 1P NO - 16A illuminable | With replaceable neutral lens | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.
NOTES: spring quick wiring, no tools necessary.



GW 12 160 F

COMBINED COMMAND DEVICES - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|---|------------|----------------|
| No. Chorus modules: 2 | | | |
| GW 12 078 F | Twin two-way switch 1P - 16 AX | Neutral | 6/24 |
| GW 12 159 F | Two-way switch 1P - 16 AX / Push-button 1P NO - 16A | Neutral | 6/24 |
| GW 12 160 F | Twin push-button 1P NO - 16 A | Neutral | 6/24 |

NOTES: spring quick wiring, no tools necessary.

LENS WITH ILLUMINATED SYMBOL

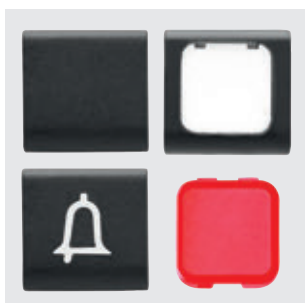


SYMBOLS FOR ILLUMINABLE COMMAND DEVICES

| Code | Symbol | Pack Carton |
|---|--------------------|----------------|
| Suitable for: General services | | |
| GW 10 501 | Neutral | 20/240 |
| GW 10 502 | Light | 20/240 |
| GW 10 503 | Stair light | 20/240 |
| GW 10 504 | Table light | 20/240 |
| GW 10 505 | Bell | 20/240 |
| GW 10 506 | Fan | 20/240 |
| GW 10 507 | Key | 20/240 |
| GW 10 508 | Alarm | 20/240 |
| GW 10 509 | ON | 20/240 |
| GW 10 510 | OFF | 20/240 |
| GW 10 511 | Nurse | 20/240 |
| GW 10 512 | Waitress | 20/240 |
| GW 10 513 | Dimmer increase | 20/240 |
| GW 10 514 | Dimmer decrease | 20/240 |
| GW 10 515 | UP arrow | 20/240 |
| GW 10 516 | DOWN arrow | 20/240 |
| GW 10 517 | UP - DOWN arrow | 20/240 |
| GW 10 518 | RIGHT - LEFT arrow | 20/240 |
| Suitable for: Numerical services | | |
| GW 10 531 | One | 20/240 |
| GW 10 532 | Two | 20/240 |
| GW 10 533 | Three | 20/240 |
| GW 10 534 | Four | 20/240 |
| GW 10 535 | Five | 20/240 |
| GW 10 536 | Six | 20/240 |
| GW 10 537 | Seven | 20/240 |
| GW 10 538 | Eight | 20/240 |
| GW 10 539 | Nine | 20/240 |
| GW 10 540 | Zero | 20/240 |

NOTES: to be used in place of the neutral lens in the illuminable command devices.

INTERCHANGEABLE BUTTON KEYS AND DIFFUSERS



INTERCHANGEABLE BUTTON KEYS AND DIFFUSERS

| Code | Symbol | Pack Carton |
|-----------------------------------|------------------|----------------|
| Description: Keys 22x22 mm | | |
| GW 12 541 | General | 4/48 |
| GW 12 542 | With label | 4/48 |
| GW 12 543 | Key | 4/48 |
| GW 12 544 | Bell | 4/48 |
| GW 12 545 | Vertical arrow | 4/48 |
| GW 12 546 | Horizontal arrow | 4/48 |
| Description: Diffusers | | |
| GW 10 547 | Red | 4/48 |
| GW 10 548 | Green | 4/48 |
| GW 10 549 | Opal | 4/48 |
| GW 10 550 | Amber | 4/48 |

APPLICATIONS: diffusers to be used in place of those on the indicator lamps GW12142, GW12143 and GW12144.

NOTES: the Chorus modular system allows the use of 22 x 22mm interchangeable button keys in place of the standard button keys fitted on the control devices GW12141, GW12142, GW12143 and GW12144.

BADGE SWITCH



GW 12 039

BADGE SWITCH

| Code | Description | For badge card max. width | No. Chorus modules | Pack Carton |
|-----------|---------------------------|------------------------------|-----------------------|----------------|
| GW 12 039 | 1P NA - 16 AX illuminable | 54 mm | 2 | 1/6 |

CHARACTERISTICS: the product can be fitted directly in 2-module plates; with plates of a greater modularity, you are advised to use 2 blanking modules for a 1/2 module (one on the right and one on the left).

APPLICATIONS: activation of circuits and services in hotel rooms (e.g. lights, air-conditioner, fridge-bar), indication of room occupied (with badge inserted)

NOTES: badges not included. The article uses LED signalling units, not included.

BLANKING MODULES AND CABLE OUTLET



GW 12 195

BLANKING MODULES

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|-------------|
| GW 12 195 | 1 gang | 1 | 10/200 |
| GW 12 197 | 1/2 gang | 1/2 | 4/48 |
| GW 12 198 | 2 gang | 2 | 1/48 |
| GW 12 199 | 3 gang | 3 | 1/48 |



GW 12 194

CABLE OUTLET

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|-------------|
| GW 12 194 | 2 gang | 2 | 6/48 |
| GW 12 196 | 1 gang | 1 | 1/48 |

NOTES: GW12196 with anti-traction cable fastener device, cables min 6mm ø, max 10mm ø.

GW12194 with anti-traction cable fastener device, cables min 4mm ø, max 10mm ø. To be installed with the cable output downwards.

MOVEMENT DETECTORS



GW 12 591

INFRARED MOVEMENT DETECTORS

| Code | Supply voltage | Output contacts | No. Chorus modules | Pack Carton |
|-----------|-------------------|--------------------------------|--------------------|-------------|
| GW 12 591 | 230V ac - 50/60Hz | 1NO 3A(AC1) 250V ac | 1 | 1/4 |
| GW 12 592 | 230V ac - 50/60Hz | 1NO 16A(AC1)/10A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: adjustment of the intervention duration 15 sec - 10 min. Light sensitive threshold adjustment - min. 10 lux - max. inhibited.

GW12591 sensor with fixed lens. Suitable for commanding halogen lamps/resistive loads: 700 W, incandescent lamps: 450 W, low voltage halogen lamps (12 V) controlled by toroidal or electronic transformers: 450 W, uncompensated fluorescent lamps: 2x58 W, motors and gear motors: 400 VA. Not suitable for compensated fluorescent lamps, for discharge lamps and for all loads not indicated that must be commanded using a support relay.

GW12592, sensor with adjustable lens and possibility to command via NO remote push-buttons. Suitable for commanding: uncompensated fluorescent lamps 4 A. Not suitable for compensated fluorescent lamps for which the use of a support relay is required to command it.

APPLICATIONS: energy-saving: command of the lighting of rooms and areas only when people pass through.

Comfort and safety: automatic command of circuits without needing to activate one-way switches.

NOTES: do not install the product in watertight plates: the lid membrane does not allow the detector lens to work correctly.

INFRARED REMOTE CONTROL AND RECEIVER



GW 12 596

PORTABLE REMOTE CONTROL

| Code | Power supply batteries | No. of channels | Range | Pack Carton |
|-----------|--------------------------|-----------------|-------|-------------|
| GW 12 596 | 2 alkaline 1.5V AAA-type | 6 | 10 m | 1/2 |

APPLICATIONS: the setting of the inner microswitch on three bands allows you to command up to 18 different receivers GW12597.

NOTES: includes support for wall-mounting. Batteries not included.



GW 12 597

1-CHANNEL RECEIVER

| Code | Supply voltage | Channel selector | Relay output | No. Chorus modules | Pack Carton |
|-----------|-----------------|------------------|---------------------|--------------------|-------------|
| GW 12 597 | 230V ac 50/60Hz | 18 positions | 1NO 5A(AC1) 250V ac | 1 | 1/4 |

APPLICATIONS: command of ringers, electro-locks etc. (direct use, or via monostable relay GW12724).

ON-OFF command of user devices (lamps, fans, etc.) by means of a latching relay GW12721, GW12723.

Command and regulation of lights and air agitators by means of dimmers GW12568, GW12572, GW12573, GW12574.

RELAY



GW 12 723

RELAY - 230V AC 50/60HZ

| Code | Type | No. of poles | Output contacts | Pack Carton |
|------------------------------|------------------------|--------------|---------------------------------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 12 721 | Latching relay | 1P | 10 AX 250V ac | 1/12 |
| GW 12 723 | Latching relay, 4 seq. | 2P | 10 AX 250V ac | 1/12 |
| GW 12 724 | Monostable relay | 1P | 1NO/NC 10A(AC1)/2A(AC15)250V ac | 1/12 |

APPLICATIONS: GW12721, GW12723 command of lighting devices from more than one point, by means of remote NO push-buttons.

GW12721, motor function/stop commands (extractors, air agitators, etc.).

GW12724 as an auxiliary element for commanding special loads, for distance signalling, for electrical separation between the command and use circuits.



GW 12 726

CALL RELAY - 12V AC/DC

| Code | Supply voltage | No. of poles | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|--------------|-----------------------|--------------------|-------------|
| GW 12 726 | 12V ac/dc | 1P | 1NO/NC 12 V (max. 1A) | 1 | 1/12 |

CHARACTERISTICS: inlets for remote NO push-buttons for alarms (e.g. GW12136) and alarm reset (e.g. GW12145). green LED for alarm status signalling.

POWER - BLACK VERSION

SOCKET-OUTLETS - ITALIAN/GERMAN STANDARD



GW 12 203

ITALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------|-----------------|---------------|--------------------|-------------|
| GW 12 201 | 2P+E - 10A | P11 | Ø 4 mm | 1 | 12/96 |
| GW 12 203 | 2P+E - 16 A Dual amperage | P11-P17 | Ø 4 / 5 mm | 1 | 12/96 |

CHARACTERISTICS: with safety shields.



GW 12 204

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Earth pit | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------|------------------|-----------------|------------------|--------------------|-------------|
| GW 12 204 | 2P+E - 16 A Dual amperage | Side and central | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/48 |
| GW 12 205 | 2P+E - 16A | Side and central | P30 | Ø 4 / 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.



GW 12 208

ITALIAN STANDARD DOUBLE SOCKET-OUTLET - 250V AC

| Code | Description | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-----------------|---------------|--------------------|-------------|
| GW 12 208 | 2x2P+E - 16A Dual amperage | P11-P17 | Ø 4 / 5 mm | 2 | 6/24 |

CHARACTERISTICS: with safety shields. The wiring is carried out via 3 terminals that power the socket-outlets, without using U-bolts.



GW 12 209

ITALIAN STANDARD TRIPLE SOCKET-OUTLET - 250V AC

| Code | Description | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-----------------|---------------|--------------------|-------------|
| GW 12 209 | 3x2P+E - 16A Dual amperage | P11-P17 | Ø 4 / 5 mm | 3 | 4/12 |

CHARACTERISTICS: with safety shields. The wiring is carried out via 3 terminals that power the socket-outlets, without using U-bolts.

SOCKET-OUTLETS FOR DEDICATED LINES - ITALIAN/GERMAN STANDARD



GW 10 213

ITALIAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------|--------|-----------------|---------------|--------------------|-------------|
| GW 10 213 | 2P+E - 16 A Dual amperage | Red | P11-P17 | Ø 4 / 5 mm | 1 | 12/24 |
| GW 10 223 | 2P+E - 16 A Dual amperage | Green | P11-P17 | Ø 4 / 5 mm | 1 | 12/24 |
| GW 10 233 | 2P+E - 16 A Dual amperage | Orange | P11-P17 | Ø 4 / 5 mm | 1 | 12/24 |

CHARACTERISTICS: with safety shields.



GW 10 214

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------------------|--------|-----------------|------------------|--------------------|-------------|
| GW 10 214 | 2P+E - 16 A Dual amperage illuminable | Red | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/12 |
| GW 10 224 | 2P+E - 16 A Dual amperage illuminable | Green | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/12 |
| GW 10 234 | 2P+E - 16 A Dual amperage illuminable | Orange | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Pit of side and central earth contacts. Pre-arranged for housing LED signalling units, not included.

APPLICATIONS: possibility to indicate presence of auxiliary network.

SOCKET-OUTLETS - GERMAN STANDARD



GW 12 241

GERMAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 241 | 2P+E - 16A | Ø 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

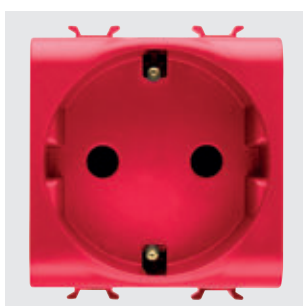


GW 12 242

GERMAN STANDARD SOCKET-OUTLET WITH LID IP40 - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 242 | 2P+E - 16A | Ø 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields. Equipped with a transparent rigid cover with a glossy finish. IP40 degree of protection with the cover closed.



GW 10 251

GERMAN STANDARD SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 10 251 | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields.

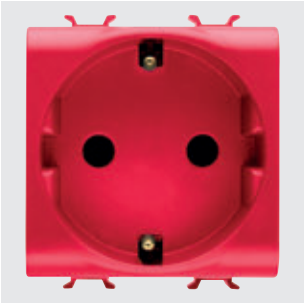


GW 12 341

GERMAN STANDARD SOCKET-OUTLET WITH FRONT TIGHTENING TERMINALS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 341 | 2P+E - 16A | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.



GW 10 351

GERMAN STANDARD SOCKET-OUTLET WITH FRONT TIGHTENING TERMINALS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 10 351 | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.

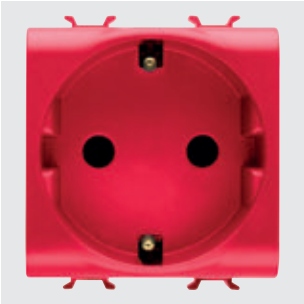


GW 12 241 F

GERMAN STANDARD SOCKET-OUTLET WITH QUICK WIRING TERMINALS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|---------------|--------------------|-------------|
| GW 12 241 F | 2P+E - 16A | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.



GW 10 251 F

GERMAN STANDARD SOCKET-OUTLET FOR DEDICATED LINES WITH QUICK WIRING TERMINALS - 250 V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|--------|---------------|--------------------|-------------|
| GW 10 251 F | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.

SOCKET-OUTLETS - FRENCH STANDARD



GW 12 246

FRENCH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 246 | 2P - 16A | Ø 4 / 4.8 mm | 2 | 1/24 |
| GW 12 247 | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.



GW 12 248

FRENCH STANDARD SOCKET-OUTLET WITH FRONT TIGHTENING TERMINALS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 248 | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.



GW 10 258

FRENCH STANDARD SOCKET-OUTLET WITH FRONT TIGHTENING TERMINALS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 10 258 | 2P+E - 16A | Red | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.

To be used in combination with plugs equipped with accessory GW10260.



GW 12 247 F

FRENCH STANDARD SOCKET-OUTLET WITH QUICK WIRING TERMINALS - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|---------------|--------------------|-------------|
| GW 12 247 F | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.

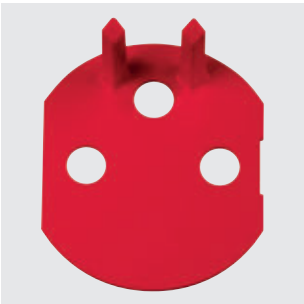


GW 10 257 F

FRENCH STANDARD SOCKET-OUTLET FOR DEDICATED LINES WITH QUICK WIRING TERMINALS - 250 V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|--------|---------------|--------------------|-------------|
| GW 10 257 F | 2P+E - 16A | Red | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.
To be used in combination with plugs equipped with accessory GW10260.



GW 10 260

FRENCH STANDARD SOCKET-OUTLET ACCESSORY, FOR DEDICATED LINES

| Code | Colour | For sockets | Pack Carton |
|-----------|--------|--------------------|-------------|
| GW 10 260 | Red | GW10257F - GW10258 | 10/100 |

CHARACTERISTICS: to be fixed directly on the 2P+E French standard plug, to avoid the incorrect insertion in dedicated line circuits.

SOCKET-OUTLETS - ISRAELI STANDARD



GW 12 281

ISRAELI STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 12 281 | 2P+E - 16A | Round Ø 4 / 4.4 mm | 2 | 1/24 |

CHARACTERISTICS: with safety shields.



GW 10 291

ISRAELI STANDARD SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------------------|--------|--------------------|--------------------|-------------|
| GW 10 291 | 2P+E - 16 A illuminable | Red | Round Ø 4 / 4.4 mm | 2 | 1/24 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing LED signalling units, not included.



GW 12 282

ISRAELI STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 282 | 2P - 10 A | Round Ø 4 mm | 1 | 1/48 |

CHARACTERISTICS: with safety shields.

SOCKET-OUTLETS - INTERNATIONAL STANDARD



GW 12 286

USA STANDARD SOCKET-OUTLET - 250/125V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------------|--------------------|-------------|
| GW 12 286 | 2P+E - 15A | Flat parallel horizontal | 1 | 12/48 |



GW 12 288

EURO-AMERICAN STANDARD SOCKET-OUTLET - 250/125V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 287 | 2P - 15A | Ø 4 mm Flat | 1 | 12/48 |
| GW 12 288 | 2P+E - 15A | Ø 4 mm Flat | 1 | 12/48 |



GW 12 296

BRITISH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 296 | 2P+E - 13 A | Flat | 2 | 6/48 |
| GW 12 297 | 2P+E - 15A | Ø 7 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

NOTES: given the size of the plugs, it is not possible to install two or more socket-outlets side-by-side.



GW 12 298

INDIAN/SOUTH AFRICAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 298 | 2P+E - 16A | Ø 7 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

NOTES: given the size of the plugs, it is not possible to install two or more socket-outlets side-by-side.



GW 12 299

SOUTH AFRICAN STANDARD SOCKET-OUTLET - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|--------------|----------------|--------------------|-------------|
| GW 12 299 | ① 2P+E - 16A | Round Ø 4,5 mm | 1 | 12/240 |

CHARACTERISTICS: with safety shields.



GW 12 301

ARGENTINIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 301 | 2P+E - 10A | Flat | 2 | 6/48 |



GW 12 306

AUSTRALIAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 306 | 2P+E - 10A | Flat | 2 | 6/48 |
| GW 12 307 | 2P+E - 15A | Flat | 2 | 6/48 |



GW 12 310

MULTISTANDARD SOCKET-OUTLET - 250/127V AC

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|------------------------------------|--------------------|-------------|
| GW 12 310 | 2P+E - 13A/250 V ac - 15A/127 V ac | 2 | 10/40 |

CHARACTERISTICS: with safety shields.

APPLICATIONS: for the following standards: british, indian, american, chinese, australian, italian and german.

NOTES: the multistandard energy sockets GW10310, GW12310, GW14310 are in compliance with the safety requirements defined by the International Standard IEC 60884-1. These sockets may not be in compliance with the standard sheets used in the country where they are sold. Hence their usage could be prohibited or however, restricted only for specific applications. The plugs allowed are listed in the technical datasheet. Please contact directly Gewiss technical service for further information.



GW 12 392

CHINESE STANDARD SOCKET-OUTLETS - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 391 | 2P+E - 10A | Flat | 2 | 6/48 |
| GW 12 392 | 2P+E - 16A | Flat | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

INTERLOCKED SWITCHED SOCKET-OUTLETS



GW 12 311

INTERLOCKED SWITCHED SOCKET-OUTLETS WITH MINIATURE CIRCUIT BREAKER - 230V AC

| Code | Description | Socket-out type | Miniature circuit breakers | Breaking capacity | No. Chorus modules | Pack Carton |
|-----------|-------------|-----------------|----------------------------|-------------------|--------------------|-------------|
| GW 12 311 | 2P+E - 16A | P17-P11 | 1P+N 16A | 3 kA | 2 | 1/6 |
| GW 12 312 | 2P+E - 16A | P30-P17 | 1P+N 16A | 3 kA | 3 | 1/4 |

CHARACTERISTICS: Interlocked switched socket-outlets with automatic miniature circuit breaker (C characteristic). Pits under tension only with plug inserted.
APPLICATIONS: suitable for installation in the system terminations to protect the load.



GW 12 321

INTERLOCKED SWITCHED SOCKET-OUTLETS WITH RESIDUAL MINIATURE CIRCUIT BREAKER - 230V AC

| Code | Description | Socket-out type | Miniature circuit breakers | Breaking capacity | Idn | No. Chorus modules | Pack Carton |
|-----------|-------------|-----------------|----------------------------|-------------------|-------|--------------------|-------------|
| GW 12 321 | 2P+E - 16A | P17-P11 | 1P+N 16A | 3 kA | 10 mA | 3 | 1/4 |
| GW 12 322 | 2P+E - 16A | P30-P17 | 1P+N 16A | 3 kA | 10 mA | 4 | 1/2 |

CHARACTERISTICS: Interlocked switched socket-outlets with automatic miniature circuit breaker (C characteristic) and residual current circuit breaker (type A). Pits under tension only with plug inserted.
APPLICATIONS: suitable for installation in the system terminations to protect the load.

SHAVER SOCKET-OUTLET



GW 12 331

EURO-AMERICAN STANDARD SHAVER SOCKET-OUTLET WITH INSULATION TRANSFORMER

| Code | Supply voltage | For plug pins | Selectable output voltage | Maximum power | No. Chorus modules | Pack Carton |
|-----------|---------------------|----------------------|---------------------------|---------------|--------------------|-------------|
| GW 12 331 | 230 V ac - 50/60 Hz | Ø 4 / 5 - 6.3x1.5 mm | 120-230V ac | 20 VA | 3 | 1/2 |

CHARACTERISTICS: the socket-outlet is equipped with a self-protection device against overloading.
The output voltage should be selected correctly, consulting the rating of the user device before inserting the plug.
The relevant indicator LED allows the chosen voltage to be clearly seen.
NOTES: not suitable for installation in wall-mounting boxes or free-standing containers.

DATA - BLACK VERSION

TV-SAT SOCKETS



GW 12 361

COAXIAL TV SOCKETS (5-2400 MHZ), CLASS A SHIELDING - MALE IEC CONNECTOR Ø 9.5 MM

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-------------|--------------------|-------------|
| GW 12 361 | Direct | 0 dB | 1 | 1/48 |
| GW 12 362 | Feedthrough | 5 dB | 1 | 1/24 |
| GW 12 363 | Feedthrough | 10 dB | 1 | 1/24 |
| GW 12 364 | Feedthrough | 14 dB | 1 | 1/24 |
| GW 20 277 | Terminal resistance 75 ohm | | | 50/200 |

CHARACTERISTICS: GW12361 allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24 V - 500 mA).
GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets.
APPLICATIONS: Socket-outlets suitable for return channel.
NOTES: the TV 5dB GW12362 coaxial socket-outlet is defined with conditional use: it is a special feedthrough socket-outlet, and must be used as such, with the only difference that the user port (socket-outlet towards the user device) must always be closed with a 75-Ohm load (TV, VCR, SAT receiver or 75-Ohm termination).



GW 12 371

COAXIAL TV-SAT SOCKETS (5-2400 MHZ), CLASS A SHIELDING - FEMALE F CONNECTOR

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-------------|--------------------|-------------|
| GW 12 371 | Direct | 0 dB | 1 | 1/48 |
| GW 12 372 | Feedthrough | 5 dB | 1 | 1/24 |
| GW 12 373 | Feedthrough | 10 dB | 1 | 1/24 |
| GW 12 374 | Feedthrough | 14 dB | 1 | 1/24 |
| GW 20 277 | Terminal resistance 75 ohm | | | 50/200 |

CHARACTERISTICS: GW12371 allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24 V - 500 mA).
GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets.
APPLICATIONS: Socket-outlets suitable for return channel.
NOTES: the TV-SAT 5dB GW12372 coaxial socket-outlet is defined with conditional use: it is a special feedthrough socket-outlet, and must be used as such, with the only difference that the user port (socket-outlet towards the user device) must always be closed with a 75-Ohm load (TV, VCR, SAT receiver or 75-Ohm termination).



GW 12 382

TV-FM-SAT SOCKETS

| Code | Connectors | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|------------|-------------|-------------|--------------------|-------------|
| GW 12 381 | TV-FM | Direct | 0 dB | 2 | 1/24 |
| GW 12 382 | TV-FM-SAT | Direct | 0 dB | 2 | 1/24 |
| GW 12 383 | TV-SAT | Direct | 0 dB | 2 | 1/24 |

CHARACTERISTICS: TV-FM direct co-axial socket-outlet GW12381; male IEC-type TV connector ø 9.5mm; female IEC-type FM connector ø 9.5mm.
TV-FM-SAT direct co-axial socket-outlet GW12382; male IEC-type TV connector ø 9.5mm; female IEC-type FM connector ø 9.5mm; female F-type SAT connector.
TV-SAT direct co-axial socket-outlet GW12383; male IEC-type TV connector ø 9.5mm; female F-type SAT connector.
NOTES: demixed socket-outlets with input for co-axial cable Ø 5mm or 7mm.

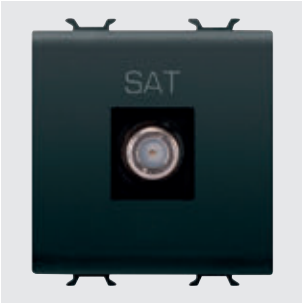


GW 12 367

COAXIAL TV SOCKETS (5-2400 MHZ), CLASS A SHIELDING - MALE IEC CONNECTOR Ø 9.5MM

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|-------------|-------------|--------------------|-------------|
| GW 12 367 | Direct | 0 dB | 2 | 1/24 |

CHARACTERISTICS: allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).
APPLICATIONS: socket-outlets suitable for return channel.

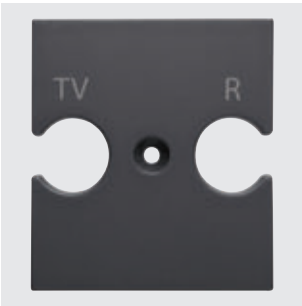


GW 12 377

COAXIAL TV-SAT SOCKETS (5-2400 MHZ), CLASS A SHIELDING - FEMALE F CONNECTOR

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|-------------|-------------|--------------------|-------------|
| GW 12 377 | Direct | 0 dB | 2 | 1/24 |

CHARACTERISTICS: allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).
APPLICATIONS: socket-outlets suitable for return channel.



GW 12 386

COVERS FOR TV-SAT-R ANTENNA SOCKETS

| Code | Description | No. holes | Pack Carton |
|-----------|-------------------|-----------|-------------|
| GW 12 386 | For TV-R base | 2 | 1/24 |
| GW 12 387 | For TV/R-SAT base | 2 | 1/24 |

APPLICATIONS: suitable for integration on the Chorus range of TV-SAT-R standard bases available on the market.
ACCESSORIES SUPPLIED: fixing screws.

TELEPHONE SOCKETS



GW 12 403

RJ11 TELEPHONE SOCKETS

| Code | Description | Type | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|--------------------|--------------------|-------------|
| GW 12 401 | RJ11 | | Screw-on terminals | 1 | 1/24 |
| GW 12 402 | RJ11 | In out | Impact tool | 1 | 1/24 |
| GW 12 403 | RJ11 | Double | Impact tool | 1 | 1/24 |

CHARACTERISTICS: GW12402, GW12403 impact tool insulator punching connection. GW12402 connector with double terminal board (input and output) to facilitate the shunt of a second line.
APPLICATIONS: telephone, telefax, modem.



GW 12 409

RJ11 TELEPHONE SOCKET

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 12 409 | RJ11 | Screw-on terminals | 2 | 1/24 |

APPLICATIONS: telephone, telefax, modem.



GW 12 410

DOUBLE RJ11 SOCKET WITH ADSL FILTER

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-----------------------------------|--------------------|-------------|
| GW 12 410 | ADSL filter with dual RJ11 socket | 2 | 1/24 |

CHARACTERISTICS: BUS-type rear terminal for connecting up to 4 cables. Built-in ADSL filter
APPLICATIONS: to be used for the simultaneous connection of telephone devices and modem/PC.



GW 12 405

FRENCH STANDARD TELEPHONE SOCKET

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 12 405 | 8 contacts | Screw-on terminals | 1 | 1/24 |



GW 12 406

BRITISH STANDARD TELEPHONE SOCKET

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 12 406 | 6 contacts | Screw-on terminals | 1 | 1/24 |

DATA SOCKETS



GW 12 421

RJ45 SOCKETS

| Code | Description | Number pairs | Use category | Cables | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------|--------------|--------|------------|--------------------|-------------|
| GW 12 421 | RJ45 | 4 | 5e | UTP | Toolless | 1 | 1/24 |
| GW 12 422 | RJ45 | 4 | 5e | FTP | Toolless | 1 | 1/24 |
| GW 12 423 | RJ45 | 4 | 6 | UTP | Toolless | 1 | 1/24 |
| GW 12 424 | RJ45 | 4 | 6 | FTP | Toolless | 1 | 1/24 |

APPLICATIONS: LANs up to 100MHz (e.g. Ethernet, Token Ring networks) for cat. 5e; LANs up to 250MHz (e.g. Videoconference systems, CCTV) for cat. 6.

NOTES: circuit identification label included.



GW 12 431

ADAPTERS FOR HOUSING DATA CONNECTORS

| Code | Compatibility | No. Chorus modules | Pack Carton |
|-----------|----------------------|--------------------|-------------|
| GW 12 431 | AMP / Keystone Jack | 1 | 1/48 |
| GW 12 438 | ① SYSTIMAX COMMSCOPE | 1 | 1/48 |

NOTES: with regard to the technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the connector and the Gewiss adapter.

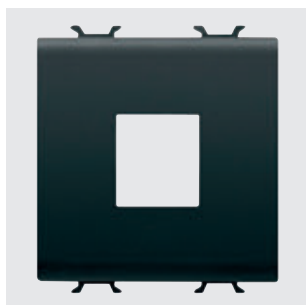


GW 12 437

RJ45 SOCKETS

| Code | Description | Number pairs | Use category | Cables | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------|--------------|--------|------------|--------------------|-------------|
| GW 12 434 | RJ45 | 4 | 5e | UTP | Toolless | 2 | 1/24 |
| GW 12 436 | RJ45 | 4 | 5e | FTP | Toolless | 2 | 1/24 |
| GW 12 435 | RJ45 | 4 | 6 | UTP | Toolless | 2 | 1/24 |
| GW 12 437 | RJ45 | 4 | 6 | FTP | Toolless | 2 | 1/24 |

APPLICATIONS: LAN networks up to 100 MHz (e.g. Ethernet or Token Ring networks) for cat. 5e; LAN networks up to 250 MHz (e.g. video conference or video control systems) for cat. 6.



GW 12 433

ADAPTER FOR HOUSING DATA CONNECTORS

| Code | Compatibility | No. Chorus modules | Pack Carton |
|-----------|---------------------|--------------------|-------------|
| GW 12 433 | AMP / Keystone Jack | 2 | 4/100 |

NOTES: due to technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the data socket and the Gewiss empty enclosure.



GW 12 425

ADAPTERS FOR OPTICAL FIBRE

| Code | Description | Type | No. Chorus modules | Pack Carton |
|-----------|--------------|----------------------|--------------------|-------------|
| GW 12 425 | O.F. ST Bush | Bush duplex 50/125um | 1 | 1/24 |
| GW 12 426 | O.F. SC Bush | Bush duplex 50/125um | 1 | 1/24 |

CHARACTERISTICS: precise jointing and signal transmission without any attenuation. GW12425 ST bayonet connection; GW12426 SC coupling connection.

CONNECTORS FOR CONVENTIONAL NETWORKS



GW 12 443

CONNECTORS FOR CONVENTIONAL NETWORKS

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------------|------------|--------------------|-------------|
| GW 12 441 | SUB-D 9 contacts | Weld-in | 2 | 1/12 |
| GW 12 442 | SUB-D 15 contacts | Weld-in | 2 | 1/12 |
| GW 12 443 | SUB-D 25 contacts | Weld-in | 3 | 1/16 |

APPLICATIONS: SUB-D connectors suitable for point-point connections for interfacing computers, peripheral devices, modems, etc..
NOTES: circuit identification label included.

SOCKET-OUTLETS FOR AUXILIARY CIRCUITS



GW 12 451

SELV SOCKETS

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------------------|---------------|--------------------|-------------|
| GW 12 451 | 2P - 6A - 24V | Ø 3 mm | 1 | 12/24 |
| GW 12 452 | 2P - 6A - 24V polarised | Flat | 1 | 12/24 |

CHARACTERISTICS: Centre distance 12,4mm.

AUDIO AND VIDEO SOCKETS



GW 12 453

AUDIO AND VIDEO SOCKETS

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-----------------------------|--------------------|-------------|
| GW 12 453 | Double RCA | 1 | 1/24 |
| GW 12 454 | Phonic circuits | 1 | 1/24 |
| GW 12 446 | F female Coupling connector | 1 | 1/12 |
| GW 12 458 | Speaker socket | 1 | 1/24 |

CHARACTERISTICS: GW12453 double RCA stud connector, red and white, weld-in connection.
GW12454 welding connection. GW12446 input and output connection via F-type male connector. GW12458 front access terminals for inserting 1.5 mm² rigid wires, insulator punching rear connection suitable for cables AWG24 or max 0.25mm².

USB AND HDMI COUPLERS AND SOCKETS



GW 12 459

USB SOCKETS

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-------------------|--------------------|-------------|
| GW 12 459 | USB socket-outlet | 1 | 1/24 |

CHARACTERISTICS: A-type USB 2.0 female connector, with screw terminals on the back.



GW 38 056

USB AND HDMI COUPLERS

| Code | Description | Type | Compatibility | Pack Carton |
|-----------|--------------|------------------------|---------------|-------------|
| GW 38 056 | HDMI coupler | Female/Female | Keystone Jack | 1/48 |
| GW 38 057 | USB coupler | Female/Female - A type | Keystone Jack | 1/48 |

NOTE: for adapters (Chorus, System, Dahlia) with Keystone Jack coupling and for patch-panels.

USB POWER SUPPLY



GW 12 450

DOUBLE USB POWER SUPPLY FOR ELECTRONIC DEVICES

| Code | Supply voltage | Output voltage | Max current supplied | No. Chorus modules | Pack Carton |
|-----------|-------------------------|----------------|----------------------|--------------------|-------------|
| GW 12 450 | 100/240 V ac - 50/60 Hz | 5V dc | 2,1 A | 1 | 1/10 |

CHARACTERISTICS: equipped with two USB, A-type, female connectors that supply a total of 2.1A.

APPLICATIONS: suitable to recharge a single 2.1A electronic device (e.g.: tablet) or a couple of simultaneous devices (e.g.: tablet and smartphone). The total current provided (max. 2.1A) is split in the two USB outputs, depending on the state of charge of the connected devices.

PROTECTION - BLACK VERSION

MINIATURE CIRCUIT BREAKERS



GW 12 463

MCB - MINIATURE CIRCUIT BREAKERS - C CHARACTERISTIC - 230V AC

| Code | Description | Rated current (A) | Breaking capacity | No. Chorus modules | Pack Carton |
|-----------|------------------|-------------------|-------------------|--------------------|-------------|
| GW 12 461 | Single pole (1P) | 6 | 3 kA | 1 | 1/12 |
| GW 12 462 | Single pole (1P) | 10 | 3 kA | 1 | 1/12 |
| GW 12 463 | Single pole (1P) | 16 | 3 kA | 1 | 1/12 |
| GW 12 466 | Two-pole (1P+N) | 6 | 3 kA | 1 | 1/12 |
| GW 12 467 | Two-pole (1P+N) | 10 | 3 kA | 1 | 1/12 |
| GW 12 468 | Two-pole (1P+N) | 16 | 3 kA | 1 | 1/12 |



GW 12 488

RCBO - RESIDUAL CURRENT BREAKERS WITH OVERCURRENT PROTECTION - C CHARACTERISTIC - CLASS A - 230V AC - 50/60 HZ

| Code | Description | Rated current (A) | Breaking capacity | Idn | No. Chorus modules | Pack Carton |
|-----------|-----------------|-------------------|-------------------|-------|--------------------|-------------|
| GW 12 482 | Two-pole (1P+N) | 6 | 3 kA | 10 mA | 2 | 1/6 |
| GW 12 483 | Two-pole (1P+N) | 6 | 3 kA | 30 mA | 2 | 1/6 |
| GW 12 485 | Two-pole (1P+N) | 10 | 3 kA | 10 mA | 2 | 1/6 |
| GW 12 486 | Two-pole (1P+N) | 10 | 3 kA | 30 mA | 2 | 1/6 |
| GW 12 488 | Two-pole (1P+N) | 16 | 3 kA | 10 mA | 2 | 1/6 |
| GW 12 489 | Two-pole (1P+N) | 16 | 3 kA | 30 mA | 2 | 1/6 |

PROTECTION DEVICES



GW 12 491

FUSE HOLDER - 250V AC

| Code | Rated current (A) | Fuse type | No. Chorus modules | Pack Carton |
|-----------|-------------------|-------------|--------------------|-------------|
| GW 12 491 | 16 | Ø 6.3x32 mm | 1 | 1/12 |

CHARACTERISTICS: fuse not included.



GW 12 492

SURGE PROTECTION DEVICE - 230V AC

| Code | Uc | Up | No. Chorus modules | Pack Carton |
|-----------|------------------|------|--------------------|-------------|
| GW 12 492 | 275 V ac 50/60Hz | 1 kV | 1 | 1/12 |

CHARACTERISTICS: green LED for status signalling.

APPLICATIONS: protection of electronic devices (TV, HI-FI, computer, etc.) from overvoltage (resulting from atmospheric conditions or manoeuvres) that could be channelled from the power supply lines.

INDICATOR - BLACK VERSION

INDICATOR LIGHT DEVICES



GW 12 642

SINGLE INDICATOR LAMPS - 1/2 MODULE

| Code | Diffuser colour | Colour meaning | No. Chorus modules | Pack Carton |
|-----------|-----------------|----------------|--------------------|-------------|
| GW 12 641 | Opal | Neutral | 1/2 | 2/48 |
| GW 12 642 | Green | Safety | 1/2 | 2/48 |
| GW 12 643 | Red | Danger | 1/2 | 2/48 |
| GW 12 644 | Amber | Attention | 1/2 | 2/48 |

CHARACTERISTICS: LED signalling units, not included.

APPLICATIONS: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 12 622

SINGLE INDICATOR LAMPS - 1 MODULE

| Code | Diffuser colour | Colour meaning | No. Chorus modules | Pack Carton |
|-----------|-----------------|----------------|--------------------|-------------|
| GW 12 621 | Opal | Neutral | 1 | 1/24 |
| GW 12 622 | Green | Safety | 1 | 1/24 |
| GW 12 623 | Red | Danger | 1 | 1/24 |
| GW 12 624 | Amber | Attention | 1 | 1/24 |

CHARACTERISTICS: LED signalling units, not included.

APPLICATION: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 12 629

DOUBLE INDICATOR LAMPS - 1 MODULE

| Code | Diffuser colour | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 12 628 | Opal | 1 | 1/24 |
| GW 12 629 | Red/green | 1 | 1/24 |

CHARACTERISTICS: LED signalling units, not included.

APPLICATIONS: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 12 633

PROTRUDING INDICATOR LAMPS - 2 MODULES

| Code | Supply voltage | Diffuser colour | Lamp | No. Chorus modules | Pack Carton |
|-----------|------------------------------|-----------------|------|--------------------|-------------|
| GW 12 631 | 12V ac/dc - 230V ac 50/60 Hz | Opal | LED | 2 | 1/24 |
| GW 12 632 | 12V ac/dc - 230V ac 50/60 Hz | Green | LED | 2 | 1/24 |
| GW 12 633 | 12V ac/dc - 230V ac 50/60 Hz | Red | LED | 2 | 1/24 |
| GW 12 634 | 12V ac/dc - 230V ac 50/60 Hz | Amber | LED | 2 | 1/24 |

CHARACTERISTICS: highly efficient white LED, powered at 12V ac/dc - 230V ac with double power supply inlet.

APPLICATIONS: suitable for special applications such as the signalling of calls from hospital wards.

NOTES: complete with lamp.



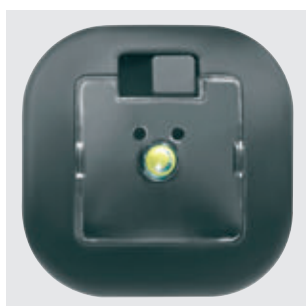
GW 12 656

STAIR RISER LAMP

| Code | Supply voltage | Diffuser colour | Lamp | No. Chorus modules | Pack Carton |
|-----------|------------------------------|-----------------|------|--------------------|-------------|
| GW 12 651 | 12V ac/dc - 230V ac 50/60 Hz | Opal | LED | 2 | 1/24 |
| GW 12 656 | 12V ac/dc - 230V ac 50/60 Hz | Opal | LED | 4 | 1/2 |

CHARACTERISTICS: highly efficient white LED, powered at 12V ac/dc - 230V ac with double power supply inlet.

ANTI BLACK-OUT AND EMERGENCY LAMPS



GW 12 661

EXTRACTABLE ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | Pack Carton |
|-----------|---------------------|------------------------|------------------|------|-------------|
| GW 12 661 | 230 V ac - 50/60 Hz | Ni - Mh | 2 h | LED | 1/6 |

CHARACTERISTICS: equipped with a 3-position selector on the front panel, for anti black-out, inhibition and night functioning.
To be inserted in any socket-outlet of the Italian, German or French type. Highly efficient, white LED lamp.



GW 12 662

ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|------------------|------|--------------------|-------------|
| GW 12 662 | 230 V ac - 50/60 Hz | Ni - Mh | 1 h | LED | 1 | 1/12 |

CHARACTERISTICS: green LED for the presence of mains voltage signalling. Highly efficient, white LED lamp.



GW 12 663

AUTONOMOUS EMERGENCY LAMPS

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|------------------|------|--------------------|-------------|
| GW 12 663 | 230 V ac - 50/60 Hz | Ni - Mh | 1 h | LED | 2 | 1/6 |
| GW 12 666 | 230 V ac - 50/60 Hz | Ni - Mh | 1 h | LED | 4 | 1/2 |

CHARACTERISTICS: green mains presence signal LED. Highly efficient, white LED lamps.
APPLICATIONS: compliant with standards EN60598-2-22.

ACOUSTIC SIGNALLING DEVICES



GW 12 601

RINGERS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------------|-----------------|--------------------|-------------|
| GW 12 601 | 12V ac - 50 Hz | 8 VA | 80 dB (at 1 m) | 1 | 1/24 |
| GW 12 602 | 230V ac - 50 Hz | 8 VA | 80 dB (at 1 m) | 1 | 1/24 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 12 606

BUZZERS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------------|-----------------|--------------------|-------------|
| GW 12 606 | 12V ac - 50 Hz | 8 VA | 70 dB (at 1 m) | 1 | 1/24 |
| GW 12 607 | 230V ac - 50 Hz | 8 VA | 70 dB (at 1 m) | 1 | 1/24 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 12 611

THREE TONE RINGER AND THREE INDEPENDENT INPUTS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------------|-----------------|--------------------|-------------|
| GW 12 611 | 12V ac/dc | 3 VA | 80 dB (at 1 m) | 2 | 1/6 |
| GW 12 612 | 230V ac - 50 Hz | 6 VA | 80 dB (at 1 m) | 2 | 1/6 |

CHARACTERISTICS: for continuous use. Three tones (alarm, ring and two-tone) with adjustable sound intensity.

APPLICATIONS: it is possible to combine the outdoor call, indoor call and alarm functions with one single device.

ENERGY, TEMPERATURE AND COMFORT MANAGEMENT - BLACK VERSION

CLOCK, ALARM, THERMOMETER



GW 12 708

CLOCK - ALARM - THERMOMETER

| Code | Supply voltage | Max. no daily alarms | Sound intensity | Measurement temperature | No. Chorus modules | Pack Carton |
|-----------|---------------------|----------------------|-----------------|-------------------------|--------------------|-------------|
| GW 12 708 | 230 V ac - 50/60 Hz | 2 | 72 dB (at 1 m) | From 0°C to +45°C | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.

TIMER DEVICES



GW 12 581

ELECTRONIC DAILY/WEEKLY TIMER, 1-CHANNEL

| Code | Supply voltage | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|---------------------------------|--------------------|-------------|
| GW 12 581 | 230 V ac - 50/60 Hz | 1NO/NC 8A(AC1)/4A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.



GW 12 582

TIMERS

| Code | Supply voltage | Type | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------|------------------------------|--------------------|-------------|
| GW 12 582 | 230 V ac - 50/60 Hz | Relay | 1NO 16A(AC1)/4A(AC15)250V ac | 2 | 1/2 |
| GW 12 583 | 230 V ac - 50/60 Hz | Electronic | 1NO 2A(AC1) 250V ac | 1 | 1/2 |

CHARACTERISTICS: possibility to command by means of remote control push-buttons, with NO contact. By means of a rotary selector on the side of the product, it is possible to vary the timing (15" - 30''' - 45" - 1' - 1'30''' - 2' - 3' - 5' - 10' - 15').

NOTES: GW12583 not suitable for directly commanding fluorescent lamps. GW12582 suitable for commanding fluorescent lamps with max current of 4A.

TEMPERATURE CONTROL DEVICES



GW 12 703

TIMED THERMOSTAT - DAILY/WEEKLY PROGRAMMING

| Code | Supply voltage | Temperature adjustment | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|---------------------------------|--------------------|-------------|
| GW 12 703 | 230 V ac - 50/60 Hz | From +5°C to +40°C | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.



GW 14 701

WALL-MOUNTING TIMED THERMOSTATS - DAILY/WEEKLY PROGRAMMING - BATTERY-POWERED

| Code | Temperature adjustment | Colour | Output contacts | Dimensions LxHxD (mm) | Pack Carton |
|-----------|------------------------|----------|---------------------------------|-----------------------|-------------|
| GW 10 701 | From +5°C to +40°C | White | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 130x92x23 mm | 1/2 |
| GW 14 701 | From +5°C to +40°C | Titanium | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 130x92x23 mm | 1/2 |

CHARACTERISTICS: powered by 3x1.5V AAA alkaline batteries, not included. Average battery life: 1 year.

Automatic energy saving and comfort function.

Kit for wall-mounting, containing: two strips of double-sided adhesive tape, two ø 6mm wall plugs with screws.



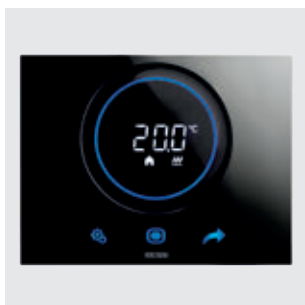
GW 12 705

THERMOSTAT

| Code | Supply voltage | Temperature adjustment | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|--------------------------|--------------------|-------------|
| GW 12 705 | 230 V ac - 50/60 Hz | From +5°C to +35°C | 1NO / NC 8A(AC1) 250V ac | 2 | 1/2 |

CHARACTERISTICS: choice of working mode by means of selector located on the front: summer (air-conditioner), OFF, winter (boiler).

Two-colour front LED to signal the output status (open/closed contact). The lighting up of the LED also indicates mains presence.



GW 16 972 CN

THERMO ICE WI-FI THERMOSTAT

| Code | Colour Plate | Supply voltage | Temperature adjustment | Output contacts | WiFi interface | Dimensions LxHxD (mm) | Pack Carton |
|--------------|--------------|----------------|------------------------|--------------------------|----------------|-----------------------|-------------|
| GW 16 972 CN | Black | 12-24V ac/dc | From +5°C to +40°C | 1NO / NC 5A(AC1) 250V ac | Yes | 123x95x11 | 1 |

CHARACTERISTICS: flush-mounting thermostat to control heating/cooling systems and to manually manage the temperature on three levels (comfort, pre-comfort, economy). Control algorithms for 2-way systems: 2 points (ON-OFF), proportional integral (PWM). It includes 1 input for a potential free contact (window contact function), 1 input for external temperature NTC sensor (e.g. protection for floor-mounting heating). Equipped with a user interface with touch commands (capacitive) on glass plate and backlit display and integrated proximity and temperature sensors. Equipped with WiFi interface for setting parameters and programming temperature profiles (timed thermostat function) locally or by remote via specific APPs (smartphone, tablet and smartwatch).

NOTES: the thermostat include a front plate, electronic unit and metal support, and is suitable for screw fixing on both rectangular 3-gang boxes (centre distance 83.5 mm) and round/square boxes (centre distance 60 mm) equipped with fixing columns.

ACCESSORIES



GW 10 720

POWER SUPPLY UNIT 12 VDC

| Code | Supply voltage | Output voltage | Max current supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------------|----------------------|-----------------------|-------------|
| GW 10 720 | 100/240 V ac - 50/60 Hz | 12V dc | 300 mA | 52x33x17 | 1/10 |

APPLICATIONS: to be used for powering LPG detectors (GW10711, GW12711, GW14711, GW20868, GW21868, GW30520), methane detectors (GW10712, GW12712, GW14712, GW20867, GW21867, GW30519) and water detectors (GW10716, GW12716, GW14716); Thermo ICE WiFi (GW16972CB, GW16972CN, GW16972CT) and KNX/Easy (GW16974CB, GW16974CN, GW16974CT) thermostats.

DIMMER



GW 12 566

UNIVERSAL ROTATING ELECTRONIC REGULATOR

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|------------------|--------------------|-------------|
| GW 12 566 | ③ 230V ac - 50Hz | 1 | 1/12 |

CHARACTERISTICS: for the regulation and switching of incandescent and halogen lamps 230V AC (4-160W), electronic transformers (4-160W) and LED lamps 230V AC with dimmer functions (4-160W). Rotary command with two-way switch. Equipped with orange signalling LED.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If two regulators are installed in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 12 561

ROTATING ELECTRONIC REGULATORS FOR RESISTIVE/INDUCTIVE LOADS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|------------------------|--------------------|-------------|
| GW 12 561 | 230 V ac - 50/60 Hz | 100 - 500 W | | 1 | 1/12 |
| GW 12 564 | 230 V ac - 50/60 Hz | 100 - 900 W | 40 - 300 VA | 1 | 1/12 |
| GW 12 567 | 230 V ac - 50/60 Hz | 100 - 500 W | 100 - 500 VA | 1 | 1/12 |

CHARACTERISTICS: with signalling led orange. GW12567 rotary command with two-way switch. GW12564 compliance with the EMC directive is only guaranteed by connecting the regulator to an LC filter with the following characteristics: L=1mH - 5A, C=0.15uF - 275V X2, according to the documentation provided with the product. Item designated solely for export to a limited number of countries outside of the European Union or countries applying to become part of the European Free Trade Area. Contact Gewiss Customer Service to check the product meets the regulations of the country concerned before importing it.

NOTES: to avoid overheating, the side by side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 12 572

UNIVERSAL ELECTRONIC REGULATORS WITH PUSH-BUTTON

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|--------------------|--------------------|-------------|
| GW 12 572 | 230V ac - 50/60 Hz | 1 | 1/12 |
| GW 12 573 | 230V ac - 50/60 Hz | 2 | 1/6 |

CHARACTERISTICS: for the regulation and switching of incandescent and halogen lamps 230V AC (40-300W), low voltage halogen lamps with electronic and winding transformers (40-300W), LED lamps 230V AC with dimmer function (5-150W) and CFL lamps with dimmer function (10-100W). Manual selection of the type of load (Leading Edge or Trailing Edge piloting), soft-start function for lamp protection. Possibility to command and regulate from remote control push-buttons with NO contacts. Equipped with orange signalling LED.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If two regulators are installed in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 12 568

ELECTRONIC REGULATOR WITH BUTTON FOR RESISTIVE/INDUCTIVE LOADS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. Chorus modules | Pack Carton |
|-----------|-----------------|---------------------------|---------------------------|-----------------------|----------------|
| GW 12 568 | 230V ac - 50 Hz | 60 - 500 W | 60 - 500 VA | 1 | 1/12 |

CHARACTERISTICS: possibility to command and regulate from remote control push-buttons with NO contact. With signalling led orange.

NOTES: to avoid overheating, the side by side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 12 574

ELECTRONIC REGULATOR WITH BUTTON FOR AIR AGITATORS

| Code | Supply voltage | Load 230V ac | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------|-----------------------|----------------|
| GW 12 574 | 230V ac - 50 Hz | 55-80 VA | 1 | 1/12 |

CHARACTERISTICS: possibility to command and regulate at fixed steps, also by means of remote control push-buttons, with NO contact. With signalling led red.

APPLICATIONS: suitable for adjusting air agitators, fans and extractors with induction motors.

NOTES: to avoid overheating, the side-by-side installation of several products in a single box is not recommended; insert a blanking module between two electronic devices.

ELECTRONIC PUSH-BUTTONS



GW 12 915

UNIVERSAL ELECTRONIC PUSH-BUTTON

| Code | Type of contact | Type of use | Button key | No. Chorus modules | Pack Carton |
|-----------|-----------------|--|------------|--------------------|-------------|
| GW 12 915 | Potential-free | Relay, dimmer, bus contacts interfaces | Neutral | 1 | 1/12 |

CHARACTERISTICS: push-button suitable for connection of KNX BUS contact interfaces, or the command of bistable relays, electronic one-way switches for heavy duty loads, or dimmers with a remote control input. Output contact 4A (AC1) - 230 V ac.



GW 12 912

BACKLIT ELECTRONIC PUSH-BUTTON

| Code | Supply voltage | Type of use | Button key | No. Chorus modules | Pack Carton |
|-----------|---------------------|---------------|---------------|--------------------|-------------|
| GW 12 912 | 230 V ac - 50/60 Hz | Relay, dimmer | With diffuser | 1 | 1/12 |

CHARACTERISTICS: push-button for controlling latching relays, electronic switches for heavy duty loads, or dimmers with a remote control input. Equipped with amber localisation LED. Output contact 4A (AC1) - 230 V ac.



GW 12 913

BACKLIT ELECTRONIC PUSH-BUTTONS FOR BUS INPUTS

| Code | Type of contact | Type of use | Button key | Pack Carton |
|------------------------------|-----------------|-------------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 12 913 | Potential-free | Bus contacts interfaces | With diffuser | 1/12 |
| GW 12 916 | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/12 |
| No. Chorus modules: 2 | | | | |
| GW 12 917 | Potential-free | Bus contacts interfaces | With diffuser | 1/6 |
| GW 12 918 | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/6 |

CHARACTERISTICS: push-button for BUS inputs, suitable for KNX BUS contact interface connections. Equipped with 2-colour (amber/green) LED with colour selector (can be set up to work as a night-time localisation lamp or to indicate the load status).



GW 12 914

DOUBLE ELECTRONIC PUSH-BUTTON

| Code | Type of contact | Button key | Symbol | No. Chorus modules | Pack Carton |
|-----------|---|------------|-----------|--------------------|-------------|
| GW 12 914 | Dual, potential-free and with interlock | Neutral | UP - DOWN | 1 | 1/12 |

CHARACTERISTICS: double push-button suitable for connecting KNX BUS contact interfaces or electronic control panels for moving roller shutters.

TOUCH COMMANDS - BLACK VERSION

TOUCH COMMAND MODULES



GW 10 907

TOUCH ONE-WAY SWITCH MODULE

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 10 907 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicator modules GW10909. A simple programming allows you to configure the acoustic signals (buzzer), light intensity signals (blue LED with two intensity levels), and the output contact (bistable or monostable). NO relay output contact with 230V AC potential. Suitable for commanding halogen and incandescent lamps: 500W, energy saving lamps: 100W (max. 4 lamps), uncompensated fluorescent lamps: 100W. Use a supply relay for all loads that are not indicated.

NOTES: to be completed with ICE Touch glass plate (cod. GW16951CB, GW16952CB, GW16953CB, GW16951CN, GW16952CN, GW16953CN, GW16951CT, GW16952CT, GW16953CT).



GW 10 908

TOUCH DIMMER MODULE

| Code | Supply voltage | Resistive load | Inductive load | No. Chorus modules | Pack Carton |
|-----------|-----------------|----------------|----------------|--------------------|-------------|
| GW 10 908 | 230V ac - 50 Hz | 40 - 300 W | 40 - 300 VA | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicator modules GW10909. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

NOTES: to avoid overheating, the side-by-side installation of several touch dimmer modules in a single container is not permitted; leave the space of a module between two dimmers. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.

To be completed with ICE Touch glass plate (cod. GW16951CB, GW16952CB, GW16953CB, GW16951CN, GW16952CN, GW16953CN, GW16951CT, GW16952CT, GW16953CT).



GW 10 909

TOUCH COMMAND DUPLICATOR MODULE

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 10 909 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: the device must be combined with the touch one-way switch module GW10907 or the touch dimmer module GW10908, increasing the command points. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

NOTES: to be completed with ICE Touch glass plate (cod. GW16951CB, GW16952CB, GW16953CB, GW16951CN, GW16952CN, GW16953CN, GW16951CT, GW16952CT, GW16953CT).

ICE TOUCH PLATES

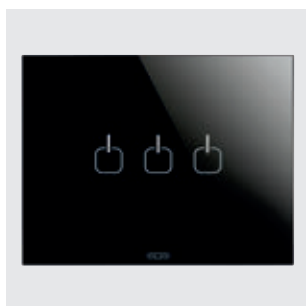


GW 16 953 CB

ICE TOUCH - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CB | 1 symbol | GW16803 | 1 |
| GW 16 952 CB | 2 symbols | GW16803 | 1 |
| GW 16 953 CB | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).



GW 16 953 CN

ICE TOUCH - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CN | 1 symbol | GW16803 | 1 |
| GW 16 952 CN | 2 symbols | GW16803 | 1 |
| GW 16 953 CN | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).



GW 16 953 CT

ICE TOUCH - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CT | 1 symbol | GW16803 | 1 |
| GW 16 952 CT | 2 symbols | GW16803 | 1 |
| GW 16 953 CT | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).

TOUCH COMMANDS



GW 12 904

TOUCH ONE-WAY SWITCH

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 12 904 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicators GW12906. A simple programming allows you to configure the acoustic signals (buzzer), light intensity signals (blue LED with two intensity levels), and the output contact (bistable or monostable). NO relay output contact with 230V AC potential. Suitable for commanding halogen and incandescent lamps: 500W, energy saving lamps: 100W (max. 4 lamps), uncompensated fluorescent lamps: 100W. Use a supply relay for all loads that are not indicated.



GW 12 905

TOUCH DIMMER

| Code | Supply voltage | Resistive load | Inductive load | No. Chorus modules | Pack Carton |
|-----------|-----------------|----------------|----------------|--------------------|-------------|
| GW 12 905 | 230V ac - 50 Hz | 40 - 300 W | 40 - 300 VA | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicators GW12906. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

NOTES: to avoid overheating, the side-by-side installation of several touch dimmers in a single container is not permitted; insert a blanking module between two dimmers. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 12 906

TOUCH COMMAND DUPLICATOR

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 12 906 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: the device must be combined with the touch one-way switches GW12904 or the touch dimmers GW12905, increasing the command points. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

TECHNICAL ALARMS - BLACK VERSION

GAS DETECTORS



GW 12 711

LPG DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|--------------------|-------------|
| GW 12 711 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.



GW 12 712

METHANE GAS DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|--------------------|-------------|
| GW 12 712 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.

ANTI-FLOOD SYSTEM WITH WIRELESS TRANSMISSION



GW 12 716

WATER DETECTOR

| Code | Supply voltage | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|------------------------------|--------------------|-------------|
| GW 12 716 | 12V ac/dc | 1NO/NC5A(AC1)/3A(AC15)250Vac | 2 | 1/2 |

CHARACTERISTICS: sound intensity: 70dB at 1m.

NOTES: to be used exclusively with the water sensor GW12718. A maximum of 5 water sensors can be connected to each detector.

AVAILABILITY: article available until the new codes GWA1514 and GWA1521 become effective.



GW 12 718

WATER SENSOR

| Code | Supply voltage | RF range in free field | Dimensions LxHxD (mm) | Pack Carton |
|-----------|----------------|------------------------|-----------------------|-------------|
| GW 12 718 | 9V battery | 50 m | 74x88x45.5 | 1/2 |

NOTES: to be used exclusively with the water detector GW12716. The connection with the water detector is wireless.

Equipped with wall plugs, screws and double-sided adhesive tape for wall-mounting.

AVAILABILITY: article available until the new codes GWA1514 and GWA1521 become effective.

ANTI-FLOOD SYSTEM WITH ZIGBEE® WIRELESS TRANSMISSION



GW A1 514

WATER SENSOR ZIGBEE

| Code | Colour | Dimensions (mm) | Pack Carton |
|-----------|--------|-----------------|-------------|
| GW A1 514 | White | Ø 60x37 | 1 |

CHARACTERISTICS: power supply 3V battery type CR123. Siren output: 85 db at 3 m. The device includes also a temperature sensor (0÷50°C).

NOTES: position the sensor on the ground. To be used in combination with a ZigBee actuator (e.g.: GWA1521) to control an electrovalve or a load.



GW A1 521

1-CHANNEL ACTUATOR ZIGBEE

| Code | Supply voltage | Output contacts | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|---------------------|-----------------------|-------------|
| GW A1 521 | 230V ac - 50 Hz | 10 A (AC1) 250 V ac | 38x38x13 | 1/4 |

CHARACTERISTICS: 1-channel actuator for activating loads via the potential-free output contact (NO). Suitable for commanding incandescent lamps (230 V ac): 2300W, loads controlled from toroidal transformers: 450W, loads controlled from electronic transformers: 600W, energy saving lamps (compact fluorescent): 150W, LED lamps (230 V ac): 150W, motors: 500W.

APPLICATIONS: when used with the water sensor, provide the installation of a NO push-button to open the electrovalve manually.

NOTES: installation in flush-mounting boxes, junction boxes, etc.



GW 12 750

BLANKING MODULE FOR HOUSING RF ZIGBEE ACTUATORS

| Code | Colour | No. Chorus modules | Pack Carton |
|-----------|--------|--------------------|-------------|
| GW 12 750 | Black | 1 | 1/12 |

CHARACTERISTICS: 1-gang blanking module with pad printing. Allows the housing and fast identification of the flush-mounting RF ZigBee actuator.

NOTES: snap-in assembly.

ACCESSORIES



GW 10 720

POWER SUPPLY UNIT 12 VDC

| Code | Supply voltage | Output voltage | Max current supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------------|----------------------|-----------------------|-------------|
| GW 10 720 | 100/240 V ac - 50/60 Hz | 12V dc | 300 mA | 52x33x17 | 1/10 |

APPLICATIONS: to be used for powering LPG detectors (GW10711, GW12711, GW14711, GW20868, GW21868, GW30520), methane detectors (GW10712, GW12712, GW14712, GW20867, GW21867, GW30519) and water detectors (GW10716, GW12716, GW14716); Thermo ICE WiFi (GW16972CB, GW16972CN, GW16972CT) and KNX/Easy (GW16974CB, GW16974CN, GW16974CT) thermostats.



GW 30 522

SOLENOID VALVE, WITH MANUAL RESET, NORMALLY OPEN - 230V - 50HZ

| Code | Delivery Ø | Material | Power input | Pack Carton |
|-----------|------------|----------|-------------|-------------|
| GW 30 522 | 3/4" | Brass | 12 VA | 1/2 |

ACCESSORIES

SIGNALLING UNITS



GW 10 881

MINIATURE LAMPS WITH LED SIGNALLING UNITS - 230 V AC - 0.6 W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Cable Colour | Pack Carton |
|-----------|---------------------|------------|------|---------------|--------------|-------------|
| GW 10 881 | 230 V ac - 50/60 Hz | 0.6 W | LED | Blue | Blue | 50 |
| GW 10 882 | 230 V ac - 50/60 Hz | 0.6 W | LED | White | White | 50 |
| GW 10 883 | 230 V ac - 50/60 Hz | 0.6 W | LED | Red | Red | 50 |
| GW 10 884 | 230 V ac - 50/60 Hz | 0.6 W | LED | Green | Green | 50 |
| GW 10 885 | 230 V ac - 50/60 Hz | 0.6 W | LED | Amber | Orange | 50 |

NOTES: the LED signalling units are supplied with power supply cables (length 10 cm).



GW 10 894

MINIATURE LAMPS WITH LED SIGNALLING UNITS - 12-24 V AC/DC - 0.6 W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Cable Colour | Pack Carton |
|-----------|--------------|------------|------|---------------|--------------|-------------|
| GW 10 894 | 12-24V ac/dc | 0.6 W | LED | White | White | 50 |

NOTES: the LED signalling units are supplied with power supply cables (length 10 cm).

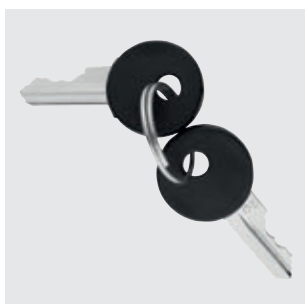


GW 20 902

CARTRIDGE LAMPS - 2W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Dimensions (mm) | Pack Carton |
|-----------|--------------|------------|---------------|---------------|-----------------|-------------|
| GW 20 902 | 12V ac/dc | 2 W | Incandescence | White | S6x36 | 50 |
| GW 20 903 | 24V ac/dc | 2 W | Incandescence | White | S6x36 | 50 |

ACCESSORIES



GW 20 901

SET OF 2 KEYS FOR COMMAND DEVICES





























































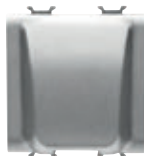









| Code | Suitable for | Pack Carton |
|-----------|-------------------------------------|-------------|
| GW 20 901 | one-way switches - two-way switches | 1/100 |
| GW 30 912 | Push-buttons | 1/100 |

COMMAND - TITANIUM

| One-way switches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Two-way switches | | | | | | | | Intermediate switches | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Three-way switches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Push-buttons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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(*) supplied without LED signalling unit

COMMAND - TITANIUM

| | | | | | | | | | | | |
|----------------------------------|---|--|--|---|---|---|---|--|--|--|---|
| One-way switches quick wiring |  GW 14 031 F 2M-1P-16 AX |  GW 14 032 F 2M-1P-16 AX Illuminable (*) |  GW 14 033 F 2M-1P-16 AX Illuminable (*) |  GW 14 034 F 2M-2P-16 AX |  GW 14 035 F 2M-2P-16 AX Illuminable (*) | | | | | | |
| | | | | | | | | | | | |
| Two-way switches quick wiring |  GW 14 071 F 2M-1P-16 AX |  GW 14 072 F 2M-1P-16 AX Illuminable (*) |  GW 14 073 F 2M-1P-16 AX Illuminable (*) | Intermediate switches quick wiring |  GW 14 101 F 2M-1P-16 AX |  GW 14 102 F 2M-1P-16 AX Illuminable (*) |  GW 14 103 F 2M-1P-16 AX Illuminable (*) | | | | |
| | | | | | | | | | | | |
| Push-buttons quick wiring |  GW 14 171 F 2M-1P-NO-16 A |  GW 14 172 F 2M-1P-NO-16 A Illuminable (*) |  GW 14 173 F 2M-1P-16 A Illuminable (*) | Combined devices |  GW 14 078 F Two-way switch 1P-16 AX+ Two-way switch 1P-16 AX |  GW 14 159 F Two-way switch 1P-16 AX+ Push-button 1P-NO-16 A |  GW 14 160 F Push-button 1P-NO-16 A+ Push-button 1P-NO-16 A | | | | |
| | | | | | | | | | | | |
| Lens with illuminated symbol |  GW 10 501 Neutral |  GW 10 502 Light |  GW 10 503 Stair light |  GW 10 504 Table light |  GW 10 505 Bell |  GW 10 506 Fan |  GW 10 507 Key |  GW 10 508 Alarm |  GW 10 509 ON | | |
| |  GW 10 510 OFF |  GW 10 511 Nurse |  GW 10 512 Waitress |  GW 10 513 Dimmer increase |  GW 10 514 Dimmer decrease |  GW 10 515 UP arrow |  GW 10 516 DOWN arrow |  GW 10 517 UP-DOWN arrow |  GW 10 518 RIGHT-LEFT arrow | | |
| |  GW 10 531 One |  GW 10 532 Two |  GW 10 533 Three |  GW 10 534 Four |  GW 10 535 Five |  GW 10 536 Six |  GW 10 537 Seven |  GW 10 538 Eight |  GW 10 539 Nine |  GW 10 540 Zero | |
| | | | | | | | | | | | |
| Interchangeable button keys |  GW 14 541 General |  GW 14 542 With label |  GW 14 543 Key |  GW 14 544 Bell |  GW 14 545 Vertical arrow |  GW 14 546 Horizontal arrow | Interchangeable diffuser |  GW 10 547 Red |  GW 10 548 Green |  GW 10 549 Opal |  GW 10 550 Amber |
| | | | | | | | | | | | |
| Blanking modules |  GW 14 197 1/2M |  GW 14 195 1M |  GW 14 198 2M |  GW 14 199 3M | Cable outputs |  GW 14 196 1M |  GW 14 194 2M | Hotel components |  GW 14 039 Badge switch 2M-1P-NO-16 AX Illuminable (*) | | |
| | | | | | | | | | | | |
| Infrared |  GW 14 591 Movement detector 1M-1NO-3 A |  GW 14 592 Movement detector 2M-1NO-16 A |  GW 14 597 1-channel receiver 1M-230 V ac-50/60 Hz |  GW 12 596 Portable remote control 6-channels | Relays |  GW 14 721 Latching 1M-1P-10 AX-250 V ac |  GW 14 723 Latching, 4 sequences 1M-2P-10 AX-250 V ac |  GW 14 724 Monostable 1M-1P-10 A-250 V ac-1NO/NC |  GW 14 726 Call 1M-1P-NO/NC-12 V ac/dc | | |
| | | | | | | | | | | | |

(*) supplied without LED signalling unit

POWER - TITANIUM

| | | | | | | | | | | |
|-------------------------------------|---|---|---|---|--|---|---|--|--|---|
| Italian |  GW 14 201 2P+E-10 A-250 V ac |  GW 14 203 2P+E-16 A-250 V ac Dual amperage |  GW 10 213 2P+E-16 A-250 V ac Dual amperage |  GW 10 223 2P+E-16 A-250 V ac Dual amperage |  GW 10 233 2P+E-16 A-250 V ac Dual amperage |  GW 14 208 2x2P+E-16 A-250 V ac Dual amperage |  GW 14 209 3x2P+E-16 A-250 V ac Dual amperage | | | |
| |  GW 14 204 2P+E-16 A-250 V ac Dual amperage |  GW 14 205 2P+E-16 A-250 V ac |  GW 10 214 2P+E-16 A-250 V ac Dual amperage - Illuminable (*) |  GW 10 224 2P+E-16 A-250 V ac Dual amperage - Illuminable (*) |  GW 10 234 2P+E-16 A-250 V ac Dual amperage - Illuminable (*) | | | | | |
| German |  GW 14 241 2P+E-16 A-250 V ac |  GW 14 242 2P+E-16 A-250 V ac with lid - IP40 |  GW 10 251 2P+E-16 A-250 V ac |  GW 14 341 2P+E-16 A-250 V ac Front tightening terminals |  GW 10 351 2P+E-16 A-250 V ac Front tightening terminals |  GW 14 241 F 2P+E-16 A-250 V ac Quick wiring |  GW 10 251 F 2P+E-16 A-250 V ac Quick wiring | | | |
| |  GW 14 246 2P-16 A-250 V ac |  GW 14 247 2P+E-16 A-250 V ac |  GW 14 248 2P+E-16 A-250 V ac Front tightening terminals |  GW 10 258 2P+E-16 A-250 V ac Front tightening terminals |  GW 14 247 F 2P+E-16 A-250 V ac Quick wiring |  GW 10 257 F 2P+E-16 A-250 V ac Quick wiring |  GW 10 260 Accessory for dedicated lines | | | |
| Israeli |  GW 14 281 2P+E-16 A-250 V ac |  GW 10 291 2P+E-16 A-250 V ac Illuminable (*) |  GW 14 282 2P-10 A-250 V ac |  USA |  GW 14 286 2P+E-15 A-250/125 V ac |  Euro-american |  GW 14 287 2P-15 A-250/125 V ac |  GW 14 288 2P+E-15 A-250/125 V ac |  Multistandard |  GW 14 310 2P+E - 13 A/250 V ac - 15 A/127 V ac |
| |  GW 14 296 2P+E-13 A-250 V ac |  GW 14 297 2P+E-15 A-250 V ac |  Argentinian |  GW 14 301 2P+E-10 A-250 V ac |  Australian |  GW 14 306 2P+E-10 A-250 V ac |  GW 14 307 2P+E-15 A-250 V ac |  Indian/South African |  GW 14 298 2P+E-16 A-250 V ac |  GW 14 299 2P+E-16 A-250 V ac |
| Chinese |  GW 14 391 2P+E-10 A-250 V ac |  GW 14 392 2P+E-16 A-250 V ac | | | | | | | | |
| |  GW 14 311 2P+E-16 A-230 V ac |  GW 14 312 2P+E-16 A-230 V ac |  GW 14 321 2P+E-16 A-230 V ac |  GW 14 322 2P+E-16 A-230 V ac | | | | | | |
| Interlocked switched socket-outlets | | | | | | | | | | |
| | | | | | | | | | | |
| Shaver socket-outlet | | | | | | | | | | |
| | | | | | | | | | | |

(*) supplied without LED signalling unit

DATA - TITANIUM

TV male IEC

TV

GW 14 361
0 dB

TV

GW 14 362
5 dB

TV

GW 14 363
10 dB

TV

GW 14 364
14 dB

TV-SAT female F

SAT

GW 14 371
0 dB

SAT

GW 14 372
5 dB

SAT

GW 14 373
10 dB

SAT

GW 14 374
14 dB

TV and TV-SAT accessory

GW 20 277
Terminal resistance
75 ohm

TV-FM-SAT

TV FM

GW 14 381
TV-FM
0 dB

TV SAT FM

GW 14 382
TV-FM-SAT
0 dB

SAT TV

GW 14 383
TV-SAT
0 dB

TV-SAT

TV

GW 14 367
IEC male
0dB

SAT

GW 14 377
F female
0dB

Covers for antenna sockets

TV R

GW 14 386
For combined TV-R sockets

TV/R SAT

GW 14 387
For combined TV-R-SAT sockets

Telephone sockets

RJ11

GW 14 401

RJ11 IN/OUT

GW 14 402

RJ11 double

GW 14 403

French 8 contacts

GW 14 405

British 6 contacts

GW 14 406

RJ11 double with ADSL filter

GW 14 410

RJ11

GW 14 409

Adapters for optical fiber

ST

GW 14 425

SC

GW 14 426

Data sockets

RJ45 cat. 5e UTP

GW 14 421

RJ45 cat. 5e FTP

GW 14 422

RJ45 cat. 6 UTP

GW 14 423

RJ45 cat. 6 FTP

GW 14 424

Adapters

GW 14 431
AMP/Keystone Jack
GW 14 438
SYSTIMAX
Commscope

SUB-D 9 contacts

GW 14 441

SUB-D 15 contacts

GW 14 442

SUB-D 25 contacts

GW 14 443

Connectors for conventional networks

SUB-D 9 contacts

GW 14 441

SUB-D 15 contacts

GW 14 442

SUB-D 25 contacts

GW 14 443

Data socket-outlets

RJ45 Cat. 5e UTP

GW 14 434

RJ45 Cat. 5e FTP

GW 14 436

RJ45 Cat. 6 UTP

GW 14 435

RJ45 Cat. 6 FTP

GW 14 437

AMP/Keystone Jack adapter

GW 14 433

Salv sockets

2P-6 A-24 V

GW 14 451

2P-6 A-24 V Polarised

GW 14 452

Audio and video sockets

Double RCA

GW 14 453

Phonic circuits

GW 14 454

Female F coupling

GW 14 446

Speaker connector

GW 14 458

USB and HDMI couplers and sockets

USB socket

GW 14 459

HDMI coupler

GW 38 056

USB coupler

GW 38 057

USB power supply

Double USB power supply

GW 14 450

PROTECTION - TITANIUM

Miniature circuit breakers

1P-6 A-3 kA C characteristic

GW 14 461

1P-10 A-3 kA C characteristic

GW 14 462

1P-16 A-3 kA C characteristic

GW 14 463

1P+N-6 A-3 kA C characteristic

GW 14 466

1P+N-10 A-3 kA C characteristic

GW 14 467

1P+N-16 A-3 kA C characteristic

GW 14 468

Protection devices

Fuse holder In MAX=16 A

GW 14 491

Surge protection device

GW 14 492

Residual miniature circuit breakers

1P+N-6 A-3 kA-10 mA C characteristic-A type

GW 14 482

1P+N-10 A-3 kA-10 mA C characteristic-A type

GW 14 485

1P+N-16 A-3 kA-10 mA C characteristic-A type

GW 14 488

1P+N-6 A-3 kA-30 mA C characteristic-A type

GW 14 483



























1P+N-10 A-3 kA-30 mA C characteristic-A type

GW 14 486
















1P+N-16 A-3 kA-30 mA C characteristic-A type

GW 14 489

INDICATOR - TITANIUM

| | | | | | | | | | | | |
|-----------------------------------|--|---|---|--|--|---|---|---|-------------------------------|--|---|
| Anti black-out lamps |  GW 14 661 230 V ac-50/60 Hz Extractable |  GW 14 662 230 V ac-50/60 Hz | Emergency lamps |  GW 14 663 230 V ac-50/60 Hz |  GW 14 666 230 V ac-50/60 Hz | | | | | | |
| Ringers |  GW 14 601 12 V ac-50 Hz |  GW 14 602 230 V ac-50 Hz |  GW 14 611 12 V ac/dc Three independent inputs |  GW 14 612 230 V ac-50 Hz Three independent inputs | Buzzers |  GW 14 606 12 V ac-50 Hz |  GW 14 607 230 V ac-50 Hz | | | | |
| Single indicator lamps |  GW 14 641 1/2M - Opal Illuminable (*) |  GW 14 642 1/2M - Green Illuminable (*) |  GW 14 643 1/2M - Red Illuminable (*) |  GW 14 644 1/2M - Amber Illuminable (*) |  GW 14 621 1M - Opal Illuminable (*) |  GW 14 622 1M - Green Illuminable (*) |  GW 14 623 1M - Red Illuminable (*) |  GW 14 624 1M - Amber Illuminable (*) | Double indicator lamps |  GW 14 628 1M - Opal Illuminable (*) |  GW 14 629 1M - Red/Green Illuminable (*) |
| Protruding indicator lamps |  GW 14 631 2M-12 V ac/dc-230 V ac-50/60 Hz Opal |  GW 14 632 2M-12 V ac/dc-230 V ac-50/60 Hz Green |  GW 14 633 2M-12 V ac/dc-230 V ac-50/60 Hz Red |  GW 14 634 2M-12 V ac/dc-230 V ac-50/60 Hz Amber | Stair riser lamps |  GW 14 651 2M Opal |  GW 14 656 4M Opal | | | | |

ENERGY MANAGEMENT, CLIMATE, COMFORT AND TECHNICAL ALARMS - TITANIUM














| | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|
| Timed thermostats |  GW 14 703 230 V ac-50/60 Hz |  GW 10 701 White Wall-mounting |  GW 14 701 Titanium Wall-mounting | Thermostats |  GW 16 972 CT Thermo ICE WiFi thermostat 12-24 V ac/dc |  GW 10 720 Power supply 100/240 V ac-50/60 Hz-12 V dc |  GW 14 705 230 V ac-50/60 Hz | | |
| Clock/Alarm/Thermometer |  GW 14 708 230 V ac-50/60 Hz | Electronic timer |  GW 14 581 230 V ac-50/60 Hz Daily/Weekly | Timers |  GW 14 583 1M |  GW 14 582 2M | | | |
| Detectors |  GW 14 711 LPG 12 V ac/dc |  GW 14 712 Methane GAS 12 V ac/dc |  GW 14 716 Water 12 V ac/dc |  GW 12 718 RF water sensor |  GW A1 514 Water sensor ZigBee |  GW A1 521 1-channel actuator ZigBee 230 V ac-50 Hz | Accessories |  GW 10 720 Power supply 100/240 V ac-50/60 Hz-12 V dc |  GW 30 522 GAS solenoid valve 3/4"-230 V ac-12 VA |

(*) supplied without LED signalling unit

REGULATION - TITANIUM

| Dimmer |  |  |  |  |  |  |  |  |
|--------|---|---|--|--|---|---|---|---|
| | GW 14 561 Resistive 100-500 W 230 V ac-50/60 Hz | GW 14 564 ▲ Resistive 100-900 W Inductive 40-300 VA 230 V ac-50/60 Hz | GW 14 567 Resistive 100-500 W Inductive 100-500 VA With two-way switch 230 V ac-50/60 Hz | GW 14 566 Resistive 4-160 W LED 4-160 W Electr. transf. 4-160 W With two-way switch 230 V ac-50/60 Hz | GW 14 572 Res./Ind. 40-300 W LED 5-150 W CFL 10-100 W 230 V ac-50/60 Hz | GW 14 573 Res./Ind. 40-300 W LED 5-150 W CFL 10-100 W 230 V ac-50/60 Hz | GW 14 568 Resistive 60-500 W Inductive 60-500 VA 230 V ac-50 Hz | GW 14 574 For air agitators Inductive 55-80 VA 230 V ac-50 Hz |

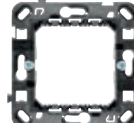

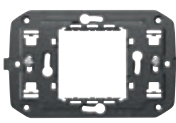

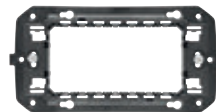

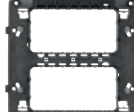
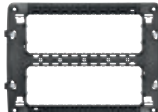
COMMAND - TITANIUM

| | | | | | | | |
|-------------------------|--|--|--|--|--|--|--|
| TOUCH commands |  |  |  | TOUCH command modules |  |  |  |
| | GW 14 904 One-way switch 1M-230 V ac-50 Hz | GW 14 905 Dimmer 1M-230 V ac-50 Hz | GW 14 906 Command duplicator 1M-230 V ac-50 Hz | | GW 10 907 One-way switch module 1M-230 V ac-50 Hz | GW 10 908 Dimmer module 1M-230 V ac-50 Hz | GW 10 909 Command duplicator module 1M-230 V ac-50 Hz |
| Electronic push-buttons |  |  |  |  |  |  |  |
| | GW 14 915 Universal 1M-IP-NO | GW 14 912 1M-NO-230 V ac Backlit | GW 14 913 For BUS inputs 1M-IP-NO Backlit | GW 14 916 For BUS inputs 1M-IP-NO Backlit | GW 14 917 For BUS inputs 2M-IP-NO Backlit | GW 14 918 For BUS inputs 2M-IP-NO Backlit | GW 14 914 With Interlock 1M-IP-NO+NO |

ACCESSORIES

| | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|-----------------|---|---|------|---|---|
| LED signalling units |  |  |  |  |  |  | Cartridge lamps |  |  | Keys |  |  |
| | GW 10 881 Blue 230 V ac-50/60 Hz | GW 10 882 White 230 V ac-50/60 Hz | GW 10 883 Red 230 V ac-50/60 Hz | GW 10 884 Green 230 V ac-50/60 Hz | GW 10 885 Amber 230 V ac-50/60 Hz | GW 10 894 White 12/24 V ac/dc | | GW 20 902 White 12 V-S6x36 | GW 20 903 White 24 V-S6x36 | | GW 20 901 For one/two-way switches | GW 30 912 For push-buttons |
| | | | | | | | | | | | | |

SUPPORTS

| | | | | | |
|-------------------------------------|---|--|--|---|---|
| Supports for round/ square boxes |  |  | Supports for round/square and rectangular boxes |  | |
| | GW 16 821 With fixing clutches - 2 gangs GW 16 823 With long fixing clutches - 2 gangs | GW 16 822 With screw (not included) - 2 gangs | | GW 16 802 With screw - 2 gangs | |
| Supports for rectangular boxes |  |  |  |  |  |
| | GW 16 803 With screw - 3 gangs | GW 16 804 With screw - 4 gangs GW 16 824 With screw (for French std boxes) - 4 gangs | GW 16 806 With screw - 6 gangs GW 16 825 With screw (for French std boxes) - 6 gangs | GW 16 808 With screw - 4+4 gangs | GW 16 812 With screw - 6+6 gangs |

▲ =Items designed solely to export to a limited number of countries outside the European Union or proposed as candidate and to the European Free Trade Association. Contact Gewiss customer service to check if the product meets the regulations of the country concerned before importing it.

COMMAND - TITANIUM VERSION

COMMAND DEVICES - SCREW TERMINALS



GW 14 001

ONE-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|--------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 14 001 | 1P - 16AX | Neutral | 12/96 |
| GW 14 002 | 1P - 16AX illuminable | With diffuser | 12/24 |
| GW 14 003 | 1P - 16AX illuminable | With replaceable neutral lens | 12/24 |
| No. Chorus modules: 1/2 | | | |
| GW 14 021 | 1P - 10AX | Neutral | 6/24 |
| GW 14 022 | 1P - 10AX illuminable | With diffuser | 6/24 |
| No. Chorus modules: 2 | | | |
| GW 14 031 | 1P - 16AX | Neutral | 6/24 |
| GW 14 032 | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 14 033 | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |
| No. Chorus modules: 3 | | | |
| GW 14 041 | 1P - 16AX | Neutral | 4/12 |
| GW 14 042 | 1P - 16AX illuminable | With diffuser | 4/12 |
| GW 14 043 | 1P - 16AX illuminable | With replaceable neutral lens | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.



GW 14 004

ONE-WAY SWITCHES 2P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-----------------------|-------------------------------|--------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 14 004 | 2P - 16 AX | Neutral | 0/1 | 12/48 |
| GW 14 005 | 2P - 16AX illuminable | With replaceable neutral lens | | 12/24 |
| GW 14 006 | 2P - 10AX | With key | 0/1 | 1/12 |
| No. Chorus modules: 2 | | | | |
| GW 14 034 | 2P - 16 AX | Neutral | 0/1 | 6/24 |
| GW 14 035 | 2P - 16AX illuminable | With replaceable neutral lens | | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: GW14006 equipped with 2 keys. Key extractable in both positions. Spare keys: GW20901.



GW 14 007

ONE-WAY SWITCH 2P - 250V AC - HEAVY DUTY LOADS

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------|------------|--------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 14 007 | 2P - 25 AX | Neutral | 0/1 | 12/24 |

APPLICATIONS: suitable for particular heavy-duty loads (e.g. fluorescent lamp batteries) or high-consumption devices (e.g. ovens, air-conditioners, boilers, etc.).



GW 14 051

TWO-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|--------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 14 051 | 1P - 16AX | Neutral | 12/96 |
| GW 14 052 | 1P - 16AX illuminable | With diffuser | 12/24 |
| GW 14 053 | 1P - 16AX illuminable | With replaceable neutral lens | 12/24 |
| GW 14 054 | 1P - 10AX | With key | 1/12 |
| No. Chorus modules: 1/2 | | | |
| GW 14 061 | 1P - 10AX | Neutral | 6/24 |
| No. Chorus modules: 2 | | | |
| GW 14 071 | 1P - 16AX | Neutral | 6/24 |
| GW 14 072 | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 14 073 | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |
| No. Chorus modules: 3 | | | |
| GW 14 081 | 1P - 16AX | Neutral | 4/12 |
| GW 14 082 | 1P - 16AX illuminable | With diffuser | 4/12 |
| GW 14 083 | 1P - 16AX illuminable | With replaceable neutral lens | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: GW14054 equipped with 2 keys. Key extractable in both positions. Spare keys: GW20901.



GW 14 091

INTERMEDIATE SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 14 091 | 1P - 16AX | Neutral | 12/48 |
| GW 14 092 | 1P - 16AX illuminable | With diffuser | 12/24 |
| GW 14 093 | 1P - 16AX illuminable | With replaceable neutral lens | 12/24 |
| No. Chorus modules: 2 | | | |
| GW 14 101 | 1P - 16AX | Neutral | 6/12 |
| GW 14 102 | 1P - 16AX illuminable | With diffuser | 6/12 |
| GW 14 103 | 1P - 16AX illuminable | With replaceable neutral lens | 6/12 |
| No. Chorus modules: 3 | | | |
| GW 14 111 | 1P - 16AX | Neutral | 4/12 |
| GW 14 112 | 1P - 16AX illuminable | With diffuser | 4/12 |
| GW 14 113 | 1P - 16AX illuminable | With replaceable neutral lens | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.



GW 14 121

THREE-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------|------------|-----------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 14 121 | 1P - 10AX | Neutral | UP - DOWN | 12/24 |
| No. Chorus modules: 2 | | | | |
| GW 14 123 | 1P - 10AX | Neutral | UP - DOWN | 6/24 |

CHARACTERISTICS: three standing positions. Both contacts are open in the central position (OFF).

APPLICATIONS: command of circuits requiring an interlock (e.g. operating motorised devices with direction reversal). 2-user selective control.



GW 14 122

THREE-WAY SWITCH 2P - 250 V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------|------------|-----------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 14 122 | 2P - 10AX | Neutral | UP - DOWN | 12/24 |

CHARACTERISTICS: three standing positions. Both contacts are open in the central position (OFF). With 6 terminal blocks.

APPLICATIONS: command of circuits requiring an interlock (e.g. operating motorised devices with direction reversal). 2-user selective control.



GW 14 131

PUSH-BUTTONS 1P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|--------------------------------|-------------------------|-------------------------------|-----------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 14 131 | 1P NO - 16A | Neutral | | 12/96 |
| GW 14 132 | 1P NO - 16A illuminable | With diffuser | | 12/24 |
| GW 14 133 | 1P NO - 16A illuminable | With replaceable neutral lens | | 12/24 |
| GW 14 136 | 1P NO - 16A | Pull-cord | | 1/12 |
| GW 14 137 | 1P NC - 16A | Neutral | 0 red | 12/24 |
| GW 14 138 | 1P NC+NO - 16 A | Stop | Red | 12/24 |
| GW 14 139 | 1P NO+NC - 16 A | Start | Green | 12/24 |
| GW 14 140 | 1P NO+NO - 10A | With interlock | UP - DOWN | 12/24 |
| GW 14 141 | 1P NO+NO - 16 A | Double | | 12/24 |
| GW 14 142 | 1P NO - 16A illuminable | Green diffuser | | 12/24 |
| GW 14 143 | 1P NO - 16A illuminable | Red diffuser | | 12/24 |
| GW 14 144 | 1P NO - 16A illuminable | Opal diffuser | | 12/24 |
| GW 14 151 | 1P NO - 16A illuminable | With replaceable neutral lens | Light | 12/24 |
| GW 14 152 | 1P NO - 16A illuminable | With replaceable neutral lens | Key | 12/24 |
| GW 14 153 | 1P NO - 16A illuminable | With replaceable neutral lens | Bell | 12/24 |
| No. Chorus modules: 1/2 | | | | |
| GW 14 161 | 1P NO - 10A | Neutral | | 6/24 |
| GW 14 162 | 1P NO - 10A illuminable | With diffuser | | 6/24 |
| No. Chorus modules: 2 | | | | |
| GW 14 171 | 1P NO - 16A | Neutral | | 6/24 |
| GW 14 172 | 1P NO - 16A illuminable | With diffuser | | 6/24 |
| GW 14 173 | 1P NO - 16A illuminable | With replaceable neutral lens | | 6/24 |
| No. Chorus modules: 3 | | | | |
| GW 14 181 | 1P NO - 16A | Neutral | | 4/12 |
| GW 14 182 | 1P NO - 16A illuminable | With diffuser | | 4/12 |
| GW 14 183 | 1P NO - 16A illuminable | With replaceable neutral lens | | 4/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

GW14136 Cord in insulating material, 140cm long, with red knob.

GW14140 Button with mechanical interlock. Both contacts are open in the central position (OFF); advisable for activating motorised devices with direction reversal (e.g. roller-shutters, curtains, etc.).

GW14141 independent push-buttons that can also be activated simultaneously.



GW 14 134

PUSH-BUTTONS 2P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------------------|-------------------------------|--------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 14 134 | 2P NO - 16A | Neutral | 0 | 12/24 |
| GW 14 135 | 2P NO - 10A illuminable | With replaceable neutral lens | | 12/24 |
| GW 14 145 | 2P NO - 10A | With key | | 1/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: GW14145 equipped with 2 keys. Spare keys: GW30912.



GW 14 191

PUSH-BUTTONS 1P WITH ILLUMINATED NAME PLATE - 250V AC

| Code | Description | Lamp voltage | Lamp | Lamp power | Pack Carton |
|------------------------------|-------------|--------------|-------------------------|------------|-------------|
| No. Chorus modules: 2 | | | | | |
| GW 14 191 | 1P NO - 10A | 12-24V ac/dc | Cartridge lamp S6x36 mm | 2 W | 6/24 |
| No. Chorus modules: 3 | | | | | |
| GW 14 192 | 1P NO - 10A | 12-24V ac/dc | Cartridge lamp S6x36 mm | 2 W | 4/16 |

CHARACTERISTICS: lamp not included.

COMMAND DEVICES - QUICK WIRING TERMINALS



GW 14 031 F

ONE-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|----------------|
| No. Chorus modules: 2 | | | |
| GW 14 031 F | 1P - 16AX | Neutral | 6/24 |
| GW 14 032 F | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 14 033 F | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: spring quick wiring, no tools necessary.



GW 14 034 F

ONE-WAY SWITCHES 2P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-----------------------|-------------------------------|--------|----------------|
| No. Chorus modules: 2 | | | | |
| GW 14 034 F | 2P - 16 AX | Neutral | 0/1 | 6/24 |
| GW 14 035 F | 2P - 16AX illuminable | With replaceable neutral lens | | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: spring quick wiring, no tools necessary.



GW 14 071 F

TWO-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|----------------|
| No. Chorus modules: 2 | | | |
| GW 14 071 F | 1P - 16AX | Neutral | 6/24 |
| GW 14 072 F | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 14 073 F | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: spring quick wiring, no tools necessary.



GW 14 101 F

INTERMEDIATE SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|----------------|
| No. Chorus modules: 2 | | | |
| GW 14 101 F | 1P - 16AX | Neutral | 6/12 |
| GW 14 102 F | 1P - 16AX illuminable | With diffuser | 6/12 |
| GW 14 103 F | 1P - 16AX illuminable | With replaceable neutral lens | 6/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

NOTES: spring quick wiring, no tools necessary.



GW 14 171 F

PUSH-BUTTONS 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-------------------------|-------------------------------|----------------|
| No. Chorus modules: 2 | | | |
| GW 14 171 F | 1P NO - 16A | Neutral | 6/24 |
| GW 14 172 F | 1P NO - 16A illuminable | With diffuser | 6/24 |
| GW 14 173 F | 1P NO - 16A illuminable | With replaceable neutral lens | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.
NOTES: spring quick wiring, no tools necessary.



GW 14 160 F

COMBINED COMMAND DEVICES - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|---|------------|----------------|
| No. Chorus modules: 2 | | | |
| GW 14 078 F | Twin two-way switch 1P - 16 AX | Neutral | 6/24 |
| GW 14 159 F | Two-way switch 1P - 16 AX / Push-button 1P NO - 16A | Neutral | 6/24 |
| GW 14 160 F | Twin push-button 1P NO - 16 A | Neutral | 6/24 |

NOTES: spring quick wiring, no tools necessary.

LENS WITH ILLUMINATED SYMBOL



SYMBOLS FOR ILLUMINABLE COMMAND DEVICES

| Code | Symbol | Pack Carton |
|---|--------------------|----------------|
| Suitable for: General services | | |
| GW 10 501 | Neutral | 20/240 |
| GW 10 502 | Light | 20/240 |
| GW 10 503 | Stair light | 20/240 |
| GW 10 504 | Table light | 20/240 |
| GW 10 505 | Bell | 20/240 |
| GW 10 506 | Fan | 20/240 |
| GW 10 507 | Key | 20/240 |
| GW 10 508 | Alarm | 20/240 |
| GW 10 509 | ON | 20/240 |
| GW 10 510 | OFF | 20/240 |
| GW 10 511 | Nurse | 20/240 |
| GW 10 512 | Waitress | 20/240 |
| GW 10 513 | Dimmer increase | 20/240 |
| GW 10 514 | Dimmer decrease | 20/240 |
| GW 10 515 | UP arrow | 20/240 |
| GW 10 516 | DOWN arrow | 20/240 |
| GW 10 517 | UP - DOWN arrow | 20/240 |
| GW 10 518 | RIGHT - LEFT arrow | 20/240 |
| Suitable for: Numerical services | | |
| GW 10 531 | One | 20/240 |
| GW 10 532 | Two | 20/240 |
| GW 10 533 | Three | 20/240 |
| GW 10 534 | Four | 20/240 |
| GW 10 535 | Five | 20/240 |
| GW 10 536 | Six | 20/240 |
| GW 10 537 | Seven | 20/240 |
| GW 10 538 | Eight | 20/240 |
| GW 10 539 | Nine | 20/240 |
| GW 10 540 | Zero | 20/240 |

NOTES: to be used in place of the neutral lens in the illuminable command devices.

INTERCHANGEABLE BUTTON KEYS AND DIFFUSERS



INTERCHANGEABLE BUTTON KEYS AND DIFFUSERS

| Code | Symbol | Pack Carton |
|-----------------------------------|------------------|----------------|
| Description: Keys 22x22 mm | | |
| GW 14 541 | General | 4/48 |
| GW 14 542 | With label | 4/48 |
| GW 14 543 | Key | 4/48 |
| GW 14 544 | Bell | 4/48 |
| GW 14 545 | Vertical arrow | 4/48 |
| GW 14 546 | Horizontal arrow | 4/48 |
| Description: Diffusers | | |
| GW 10 547 | Red | 4/48 |
| GW 10 548 | Green | 4/48 |
| GW 10 549 | Opal | 4/48 |
| GW 10 550 | Amber | 4/48 |

APPLICATIONS: diffusers to be used in place of those on the indicator lamps GW14142, GW14143, GW14144.

NOTES: the Chorus modular system allows the use of 22 x 22mm interchangeable button keys in place of the standard button keys fitted on the command devices GW14141, GW14142, GW14143, GW14144.

BADGE SWITCH



GW 14 039

BADGE SWITCH

| Code | Description | For badge card max. width | No. Chorus modules | Pack Carton |
|-----------|---------------------------|------------------------------|-----------------------|----------------|
| GW 14 039 | 1P NA - 16 AX illuminable | 54 mm | 2 | 1/6 |

CHARACTERISTICS: the product can be fitted directly in 2-module plates; with plates of a greater modularity, you are advised to use 2 blanking modules for a 1/2 module (one on the right and one on the left).

APPLICATIONS: activation of circuits and services in hotel rooms (e.g. lights, air-conditioner, fridge-bar), indication of room occupied (with badge inserted)

NOTES: badges not included. The article uses LED signalling units, not included.

BLANKING MODULES AND CABLE OUTLET



GW 14 195

BLANKING MODULES

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|-------------|
| GW 14 195 | 1 gang | 1 | 10/200 |
| GW 14 197 | 1/2 gang | 1/2 | 4/48 |
| GW 14 198 | 2 gang | 2 | 1/48 |
| GW 14 199 | 3 gang | 3 | 1/48 |



GW 14 194

CABLE OUTLET

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|-------------|
| GW 14 194 | 2 gang | 2 | 6/48 |
| GW 14 196 | 1 gang | 1 | 1/48 |

NOTES: GW14196 with anti-traction cable fastener device, cables min 6mm ø, max 10mm ø.

GW14194 with anti-traction cable fastener device, cables min 4mm ø, max 10mm ø. To be installed with the cable output downwards.

MOVEMENT DETECTORS



GW 14 591

INFRARED MOVEMENT DETECTORS

| Code | Supply voltage | Output contacts | No. Chorus modules | Pack Carton |
|-----------|-------------------|--------------------------------|--------------------|-------------|
| GW 14 591 | 230V ac - 50/60Hz | 1NO 3A(AC1) 250V ac | 1 | 1/4 |
| GW 14 592 | 230V ac - 50/60Hz | 1NO 16A(AC1)/10A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: adjustment of the intervention duration 15 sec - 10 min. Light sensitive threshold adjustment - min. 10 lux - max. inhibited.

GW14591 sensor with fixed lens. Suitable for commanding halogen lamps/resistive loads: 700 W, incandescent lamps: 450 W, low voltage halogen lamps (12 V) controlled by toroidal or electronic transformers: 450 W, uncompensated fluorescent lamps: 2x58 W, motors and gear motors: 400 VA. Not suitable for compensated fluorescent lamps, for discharge lamps and for all loads not indicated that must be commanded using a support relay.

GW14592, sensor with adjustable lens and possibility to command via NO remote push-buttons. Suitable for commanding: uncompensated fluorescent lamps 4 A. Not suitable for compensated fluorescent lamps for which the use of a support relay is required to command it.

APPLICATIONS: energy-saving: command of the lighting of rooms and areas only when people pass through.

Comfort and safety: automatic command of circuits without needing to activate one-way switches.

NOTES: do not install the product in watertight plates: the lid membrane does not allow the detector lens to work correctly.

INFRARED REMOTE CONTROL AND RECEIVER



GW 12 596

PORTABLE REMOTE CONTROL

| Code | Power supply batteries | No. of channels | Range | Pack Carton |
|-----------|--------------------------|-----------------|-------|-------------|
| GW 12 596 | 2 alkaline 1.5V AAA-type | 6 | 10 m | 1/2 |

APPLICATIONS: the setting of the inner microswitch on three bands allows you to command up to 18 different receivers GW14597.

NOTES: includes support for wall-mounting. Batteries not included.



GW 14 597

1-CHANNEL RECEIVER

| Code | Supply voltage | Channel selector | Relay output | No. Chorus modules | Pack Carton |
|-----------|-----------------|------------------|---------------------|--------------------|-------------|
| GW 14 597 | 230V ac 50/60Hz | 18 positions | 1NO 5A(AC1) 250V ac | 1 | 1/4 |

APPLICATIONS: command of ringers, electro-locks etc. (direct use, or via monostable relay GW14724).

ON-OFF command of user devices (lamps, fans, etc.) by means of a latching relay GW14721, GW14723.

Command and regulation of lights and air agitators by means of dimmers GW14568, GW14572, GW14573, GW14574.

RELAY



GW 14 721

RELAY - 230V AC 50/60HZ

| Code | Type | No. of poles | Output contacts | Pack Carton |
|------------------------------|------------------------|--------------|---------------------------------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 14 721 | Latching relay | 1P | 10 AX 250V ac | 1/12 |
| GW 14 723 | Latching relay, 4 seq. | 2P | 10 AX 250V ac | 1/12 |
| GW 14 724 | Monostable relay | 1P | 1NO/NC 10A(AC1)/2A(AC15)250V ac | 1/12 |

APPLICATIONS: GW14721, GW14723 command of lighting devices from more than one point, by means of remote NO push-buttons.

GW14721, motor function/stop commands (extractors, air agitators, etc.).

GW14724 as an auxiliary element for commanding special loads, for distance signalling, for electrical separation between the command and use circuits.



GW 14 726

CALL RELAY - 12V AC/DC

| Code | Supply voltage | No. of poles | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|--------------|-----------------------|--------------------|-------------|
| GW 14 726 | 12V ac/dc | 1P | 1NO/NC 12 V (max. 1A) | 1 | 1/12 |

CHARACTERISTICS: inlets for remote NO push-buttons for alarms (e.g. GW14136) and alarm reset (e.g. GW14145). green LED for alarm status signalling.

POWER - TITANIUM VERSION

SOCKET-OUTLETS - ITALIAN/GERMAN STANDARD



GW 14 203

ITALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------|-----------------|---------------|--------------------|-------------|
| GW 14 201 | 2P+E - 10A | P11 | Ø 4 mm | 1 | 12/96 |
| GW 14 203 | 2P+E - 16 A Dual amperage | P11-P17 | Ø 4 / 5 mm | 1 | 12/96 |

CHARACTERISTICS: with safety shields.



GW 14 204

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Earth pit | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------|------------------|-----------------|------------------|--------------------|-------------|
| GW 14 204 | 2P+E - 16 A Dual amperage | Side and central | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/48 |
| GW 14 205 | 2P+E - 16A | Side and central | P30 | Ø 4 / 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.



GW 14 208

ITALIAN STANDARD DOUBLE SOCKET-OUTLET - 250V AC

| Code | Description | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-----------------|---------------|--------------------|-------------|
| GW 14 208 | 2x2P+E - 16A Dual amperage | P11-P17 | Ø 4 / 5 mm | 2 | 6/24 |

CHARACTERISTICS: with safety shields. The wiring is carried out via 3 terminals that power the socket-outlets, without using U-bolts.



GW 14 209

ITALIAN STANDARD TRIPLE SOCKET-OUTLET - 250V AC

| Code | Description | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-----------------|---------------|--------------------|-------------|
| GW 14 209 | 3x2P+E - 16A Dual amperage | P11-P17 | Ø 4 / 5 mm | 3 | 4/12 |

CHARACTERISTICS: with safety shields. The wiring is carried out via 3 terminals that power the socket-outlets, without using U-bolts.

SOCKET-OUTLETS FOR DEDICATED LINES - ITALIAN/GERMAN STANDARD



GW 10 213

ITALIAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------|--------|-----------------|---------------|--------------------|-------------|
| GW 10 213 | 2P+E - 16 A Dual amperage | Red | P11-P17 | Ø 4 / 5 mm | 1 | 12/24 |
| GW 10 223 | 2P+E - 16 A Dual amperage | Green | P11-P17 | Ø 4 / 5 mm | 1 | 12/24 |
| GW 10 233 | 2P+E - 16 A Dual amperage | Orange | P11-P17 | Ø 4 / 5 mm | 1 | 12/24 |

CHARACTERISTICS: with safety shields.



GW 10 214

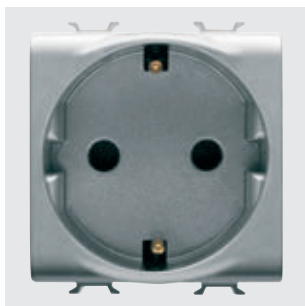
ITALIAN/GERMAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------------------|--------|-----------------|------------------|--------------------|-------------|
| GW 10 214 | 2P+E - 16 A Dual amperage illuminable | Red | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/12 |
| GW 10 224 | 2P+E - 16 A Dual amperage illuminable | Green | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/12 |
| GW 10 234 | 2P+E - 16 A Dual amperage illuminable | Orange | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Pit of side and central earth contacts. Pre-arranged for housing LED signalling units, not included.

APPLICATIONS: possibility to indicate presence of auxiliary network.

SOCKET-OUTLETS - GERMAN STANDARD



GW 14 241

GERMAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 241 | 2P+E - 16A | Ø 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

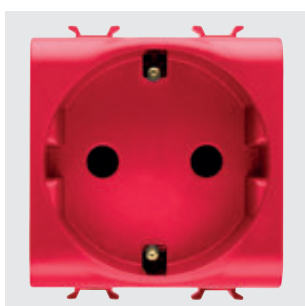


GW 14 242

GERMAN STANDARD SOCKET-OUTLET WITH LID IP40 - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 242 | 2P+E - 16A | Ø 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields. Equipped with a transparent rigid cover with a glossy finish. IP40 degree of protection with the cover closed.



GW 10 251

GERMAN STANDARD SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 10 251 | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields.

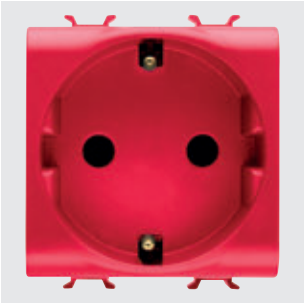


GW 14 341

GERMAN STANDARD SOCKET-OUTLET WITH FRONT TIGHTENING TERMINALS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 341 | 2P+E - 16A | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.

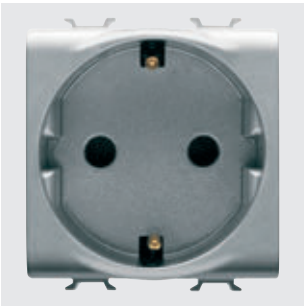


GW 10 351

GERMAN STANDARD SOCKET-OUTLET WITH FRONT TIGHTENING TERMINALS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 10 351 | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.

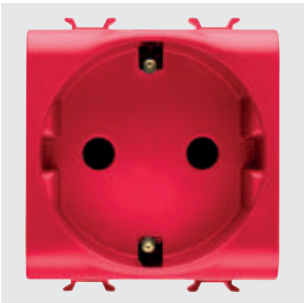


GW 14 241 F

GERMAN STANDARD SOCKET-OUTLET WITH QUICK WIRING TERMINALS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|---------------|--------------------|-------------|
| GW 14 241 F | 2P+E - 16A | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.



GW 10 251 F

GERMAN STANDARD SOCKET-OUTLET FOR DEDICATED LINES WITH QUICK WIRING TERMINALS - 250 V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|--------|---------------|--------------------|-------------|
| GW 10 251 F | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.

SOCKET-OUTLETS - FRENCH STANDARD



GW 14 246

FRENCH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 246 | 2P - 16A | Ø 4 / 4.8 mm | 2 | 1/24 |
| GW 14 247 | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.



GW 14 248

FRENCH STANDARD SOCKET-OUTLET WITH FRONT TIGHTENING TERMINALS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 248 | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.



GW 10 258

FRENCH STANDARD SOCKET-OUTLET WITH FRONT TIGHTENING TERMINALS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 10 258 | 2P+E - 16A | Red | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Front access terminals with screw fixing, side input of the conductors.

To be used in combination with plugs equipped with accessory GW10260.



GW 14 247 F

FRENCH STANDARD SOCKET-OUTLET WITH QUICK WIRING TERMINALS - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|---------------|--------------------|-------------|
| GW 14 247 F | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.

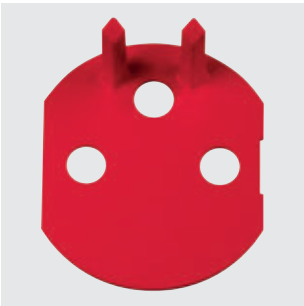


GW 10 257 F

FRENCH STANDARD SOCKET-OUTLET FOR DEDICATED LINES WITH QUICK WIRING TERMINALS - 250 V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-------------|-------------|--------|---------------|--------------------|-------------|
| GW 10 257 F | 2P+E - 16A | Red | Ø 4 / 4.8 mm | 2 | 6/12 |

CHARACTERISTICS: with safety shields. Spring quick wiring, no tools necessary.
To be used in combination with plugs equipped with accessory GW10260.



GW 10 260

FRENCH STANDARD SOCKET-OUTLET ACCESSORY, FOR DEDICATED LINES

| Code | Colour | For sockets | Pack Carton |
|-----------|--------|--------------------|-------------|
| GW 10 260 | Red | GW10257F - GW10258 | 10/100 |

CHARACTERISTICS: to be fixed directly on the 2P+E French standard plug, to avoid the incorrect insertion in dedicated line circuits.

SOCKET-OUTLETS - ISRAELI STANDARD



GW 14 281

ISRAELI STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 14 281 | 2P+E - 16A | Round Ø 4 / 4.4 mm | 2 | 1/24 |

CHARACTERISTICS: with safety shields.



GW 10 291

ISRAELI STANDARD SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------------------|--------|--------------------|--------------------|-------------|
| GW 10 291 | 2P+E - 16 A illuminable | Red | Round Ø 4 / 4.4 mm | 2 | 1/24 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing LED signalling units, not included.



GW 14 282

ISRAELI STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 282 | 2P - 10 A | Round Ø 4 mm | 1 | 1/48 |

CHARACTERISTICS: with safety shields.

SOCKET-OUTLETS - INTERNATIONAL STANDARD



GW 14 286

USA STANDARD SOCKET-OUTLET - 250/125V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------------|--------------------|-------------|
| GW 14 286 | 2P+E - 15A | Flat parallel horizontal | 1 | 12/48 |



GW 14 288

EURO-AMERICAN STANDARD SOCKET-OUTLETS - 250/125V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 287 | 2P - 15A | Ø 4 mm Flat | 1 | 12/48 |
| GW 14 288 | 2P+E - 15A | Ø 4 mm Flat | 1 | 12/48 |



GW 14 296

BRITISH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 296 | 2P+E - 13 A | Flat | 2 | 6/48 |
| GW 14 297 | 2P+E - 15A | Ø 7 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

NOTES: given the size of the plugs, it is not possible to install two or more socket-outlets side-by-side.



GW 14 298

INDIAN/SOUTH AFRICAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 298 | 2P+E - 16A | Ø 7 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

NOTES: given the size of the plugs, it is not possible to install two or more socket-outlets side-by-side.



GW 14 299

SOUTH AFRICAN STANDARD SOCKET-OUTLET - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|--------------|----------------|--------------------|-------------|
| GW 14 299 | ① 2P+E - 16A | Round Ø 4,5 mm | 1 | 12/240 |

CHARACTERISTICS: with safety shields.



GW 14 301

ARGENTINEAN STANDARD SOCKET-OUTLET - 250V AC

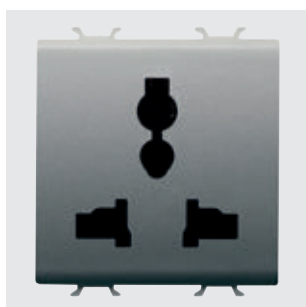
| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 301 | 2P+E - 10A | Flat | 2 | 6/48 |



GW 14 306

AUSTRALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 306 | 2P+E - 10A | Flat | 2 | 6/48 |
| GW 14 307 | 2P+E - 15A | Flat | 2 | 6/48 |



GW 14 310

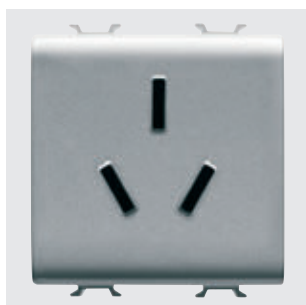
MULTISTANDARD SOCKET-OUTLET - 250/127 V AC

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|------------------------------------|--------------------|-------------|
| GW 14 310 | 2P+E - 13A/250 V ac - 15A/127 V ac | 2 | 10/40 |

CHARACTERISTICS: with safety shields.

APPLICATIONS: for the following standards: british, indian, american, chinese, australian, italian and german.

NOTES: the multistandard energy sockets GW10310, GW12310, GW14310 are in compliance with the safety requirements defined by the International Standard IEC 60884-1. These sockets may not be in compliance with the standard sheets used in the country where they are sold. Hence their usage could be prohibited or however, restricted only for specific applications. The plugs allowed are listed in the technical datasheet. Please contact directly Gewiss technical service for further information.



GW 14 392

CHINESE STANDARD SOCKET-OUTLETS - 250 V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 391 | 2P+E - 10A | Flat | 2 | 6/48 |
| GW 14 392 | 2P+E - 16A | Flat | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

INTERLOCKED SWITCHED SOCKET-OUTLETS



GW 14 311

INTERLOCKED SWITCHED SOCKET-OUTLETS WITH MINIATURE CIRCUIT BREAKER - 230V AC

| Code | Description | Socket-out type | Miniature circuit breakers | Breaking capacity | No. Chorus modules | Pack Carton |
|-----------|-------------|-----------------|----------------------------|-------------------|--------------------|-------------|
| GW 14 311 | 2P+E - 16A | P17-P11 | 1P+N 16A | 3 kA | 2 | 1/6 |
| GW 14 312 | 2P+E - 16A | P30-P17 | 1P+N 16A | 3 kA | 3 | 1/4 |

CHARACTERISTICS: Interlocked switched socket-outlets with automatic miniature circuit breaker (C characteristic). Pits under tension only with plug inserted.

APPLICATIONS: suitable for installation in the system terminations to protect the load.



GW 14 321

INTERLOCKED SWITCHED SOCKET-OUTLETS WITH RESIDUAL MINIATURE CIRCUIT BREAKER - 230V AC

| Code | Description | Socket-out type | Miniature circuit breakers | Breaking capacity | Idn | No. Chorus modules | Pack Carton |
|-----------|-------------|-----------------|----------------------------|-------------------|-------|--------------------|-------------|
| GW 14 321 | 2P+E - 16A | P17-P11 | 1P+N 16A | 3 kA | 10 mA | 3 | 1/4 |
| GW 14 322 | 2P+E - 16A | P30-P17 | 1P+N 16A | 3 kA | 10 mA | 4 | 1/2 |

CHARACTERISTICS: Interlocked switched socket-outlets with automatic miniature circuit breaker (C characteristic) and residual current circuit breaker (type A). Pits under tension only with plug inserted.

APPLICATIONS: suitable for installation in the system terminations to protect the load.

SHAVER SOCKET-OUTLET



GW 14 331

EURO-AMERICAN STANDARD SHAVER SOCKET-OUTLET WITH INSULATION TRANSFORMER

| Code | Supply voltage | For plug pins | Selectable output voltage | Maximum power | No. Chorus modules | Pack Carton |
|-----------|---------------------|----------------------|---------------------------|---------------|--------------------|-------------|
| GW 14 331 | 230 V ac - 50/60 Hz | Ø 4 / 5 - 6.3x1.5 mm | 120-230V ac | 20 VA | 3 | 1/2 |

CHARACTERISTICS: the socket-outlet is equipped with a self-protection device against overloading.

The output voltage should be selected correctly, consulting the rating of the user device before inserting the plug.

The relevant indicator LED allows the chosen voltage to be clearly seen.

NOTES: not suitable for installation in wall-mounting boxes or free-standing containers.

DATA - TITANIUM VERSION

TV-SAT SOCKETS



GW 14 361

COAXIAL TV SOCKETS (5-2400 MHZ), CLASS A SHIELDING - MALE IEC CONNECTOR Ø 9.5 MM

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-------------|--------------------|-------------|
| GW 14 361 | Direct | 0 dB | 1 | 1/48 |
| GW 14 362 | Feedthrough | 5 dB | 1 | 1/24 |
| GW 14 363 | Feedthrough | 10 dB | 1 | 1/24 |
| GW 14 364 | Feedthrough | 14 dB | 1 | 1/24 |
| GW 20 277 | Terminal resistance 75 ohm | | | 50/200 |

CHARACTERISTICS: GW14361 allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).
GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets
APPLICATIONS: Socket-outlets suitable for return channel.
NOTES: the TV 5dB GW14362 coaxial socket-outlet is defined with conditional use: it is a special feedthrough socket-outlet, and must be used as such, with the only difference that the user port (socket-outlet towards the user device) must always be closed with a 75-Ohm load. (TV, VCR, SAT receiver or 75-Ohm termination)



GW 14 371

COAXIAL TV-SAT SOCKETS (5-2400 MHZ) CLASS A SHIELDING - FEMALE F CONNECTOR

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|----------------------------|-------------|--------------------|-------------|
| GW 14 371 | Direct | 0 dB | 1 | 1/48 |
| GW 14 372 | Feedthrough | 5 dB | 1 | 1/24 |
| GW 14 373 | Feedthrough | 10 dB | 1 | 1/24 |
| GW 14 374 | Feedthrough | 14 dB | 1 | 1/24 |
| GW 20 277 | Terminal resistance 75 ohm | | | 50/200 |

CHARACTERISTICS: GW14371 allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500mA).
GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets.
APPLICATIONS: Socket-outlets suitable for return channel.
NOTES: the TV-SAT 5dB GW14372 coaxial socket-outlet is defined with conditional use: it is a special feedthrough socket-outlet, and must be used as such, with the only difference that the user port (socket-outlet towards the user device) must always be closed with a 75-Ohm load (TV, VCR, SAT receiver or 75-Ohm termination).



GW 14 382

TV-FM-SAT SOCKETS

| Code | Connectors | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|------------|-------------|-------------|--------------------|-------------|
| GW 14 381 | TV-FM | Direct | 0 dB | 2 | 1/24 |
| GW 14 382 | TV-FM-SAT | Direct | 0 dB | 2 | 1/24 |
| GW 14 383 | TV-SAT | Direct | 0 dB | 2 | 1/24 |

CHARACTERISTICS: TV-FM direct co-axial socket-outlet GW14381; male IEC-type TV connector ø 9.5mm; female IEC-type FM connector ø 9.5mm.
TV-FM-SAT direct co-axial socket-outlet GW14382; male IEC-type TV connector ø 9.5mm; female IEC-type FM connector ø 9.5mm; female F-type SAT connector.
TV-SAT direct co-axial socket-outlet GW14383; male IEC-type TV connector ø 9.5mm; female F-type SAT connector.
NOTES: demixed socket-outlets with input for co-axial cable Ø 5mm or 7mm.



GW 14 367

COAXIAL TV SOCKETS (5-2400 MHZ), CLASS A SHIELDING - MALE IEC CONNECTOR Ø 9.5MM

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|-------------|-------------|--------------------|-------------|
| GW 14 367 | Direct | 0 dB | 2 | 1/24 |

CHARACTERISTICS: allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).
APPLICATIONS: socket-outlets suitable for return channel.



GW 14 377

COAXIAL TV-SAT SOCKETS (5-2400 MHZ), CLASS A SHIELDING - FEMALE F CONNECTOR

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|-------------|-------------|--------------------|-------------|
| GW 14 377 | Direct | 0 dB | 2 | 1/24 |

CHARACTERISTICS: allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).
APPLICATIONS: socket-outlets suitable for return channel.



GW 14 386

COVERS FOR TV-SAT-R ANTENNA SOCKETS

| Code | Description | No. holes | Pack Carton |
|-----------|-------------------|-----------|-------------|
| GW 14 386 | For TV-R base | 2 | 1/24 |
| GW 14 387 | For TV/R-SAT base | 2 | 1/24 |

APPLICATIONS: suitable for integration on the Chorus range of TV-SAT-R standard bases available on the market.
ACCESSORIES SUPPLIED: fixing screws.

TELEPHONE SOCKETS



GW 14 403

RJ11 TELEPHONE SOCKETS

| Code | Description | Type | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------|--------------------|--------------------|-------------|
| GW 14 401 | RJ11 | | Screw-on terminals | 1 | 1/24 |
| GW 14 402 | RJ11 | In out | Impact tool | 1 | 1/24 |
| GW 14 403 | RJ11 | Double | Impact tool | 1 | 1/24 |

CHARACTERISTICS: GW14402, GW14403 impact tool insulator punching connection. GW14402 connector with double terminal board (input and output) to facilitate the shunt of a second line.
APPLICATIONS: telephone, telefax, modem.



GW 14 409

RJ11 TELEPHONE SOCKET

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 14 409 | RJ11 | Screw-on terminals | 2 | 1/24 |

APPLICATIONS: telephone, telefax, modem.



GW 14 410

DOUBLE SOCKET WITH ADSL FILTER

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-----------------------------------|--------------------|-------------|
| GW 14 410 | ADSL filter with dual RJ11 socket | 2 | 1/24 |

CHARACTERISTICS: BUS-type rear terminal for connecting up to 4 cables. Built-in ADSL filter.
APPLICATIONS: to be used for the simultaneous connection of telephone devices and modem/PC.



GW 14 405

FRENCH STANDARD TELEPHONE SOCKET

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 14 405 | 8 contacts | Screw-on terminals | 1 | 1/24 |



GW 14 406

BRITISH STANDARD TELEPHONE SOCKET

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 14 406 | 6 contacts | Screw-on terminals | 1 | 1/24 |

DATA SOCKETS



GW 14 421

RJ45 SOCKETS

| Code | Description | Number pairs | Use category | Cables | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------|--------------|--------|------------|--------------------|-------------|
| GW 14 421 | RJ45 | 4 | 5e | UTP | Toolless | 1 | 1/24 |
| GW 14 422 | RJ45 | 4 | 5e | FTP | Toolless | 1 | 1/24 |
| GW 14 423 | RJ45 | 4 | 6 | UTP | Toolless | 1 | 1/24 |
| GW 14 424 | RJ45 | 4 | 6 | FTP | Toolless | 1 | 1/24 |

APPLICATIONS: LANs up to 100MHz (e.g. Ethernet, Token Ring networks) for cat. 5e; LANs up to 250MHz (e.g. Videoconference systems, CCTV) for cat. 6.

NOTES: circuit identification label included.



GW 14 431

ADAPTERS FOR HOUSING DATA CONNECTORS

| Code | Compatibility | No. Chorus modules | Pack Carton |
|-----------|----------------------|--------------------|-------------|
| GW 14 431 | AMP / Keystone Jack | 1 | 1/48 |
| GW 14 438 | ① SYSTIMAX COMMSCOPE | 1 | 1/48 |

NOTES: with regard to the technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the connector and the Gewiss adapter.



GW 14 437

RJ45 SOCKETS

| Code | Description | Number pairs | Use category | Cables | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------|--------------|--------|------------|--------------------|-------------|
| GW 14 434 | RJ45 | 4 | 5e | UTP | Toolless | 2 | 1/24 |
| GW 14 436 | RJ45 | 4 | 5e | FTP | Toolless | 2 | 1/24 |
| GW 14 435 | RJ45 | 4 | 6 | UTP | Toolless | 2 | 1/24 |
| GW 14 437 | RJ45 | 4 | 6 | FTP | Toolless | 2 | 1/24 |

APPLICATIONS: LAN networks up to 100 MHz (e.g. Ethernet or Token Ring networks) for cat. 5e; LAN networks up to 250 MHz (e.g. video conference or video control systems) for cat. 6.



GW 14 433

ADAPTER FOR HOUSING DATA CONNECTORS

| Code | Compatibility | No. Chorus modules | Pack Carton |
|-----------|---------------------|--------------------|-------------|
| GW 14 433 | AMP / Keystone Jack | 2 | 4/100 |

NOTES: due to technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the data socket and the Gewiss empty enclosure.



GW 14 425

ADAPTERS FOR OPTICAL FIBRE

| Code | Description | Type | No. Chorus modules | Pack Carton |
|-----------|--------------|----------------------|--------------------|-------------|
| GW 14 425 | O.F. ST Bush | Bush duplex 50/125um | 1 | 1/24 |
| GW 14 426 | O.F. SC Bush | Bush duplex 50/125um | 1 | 1/24 |

CHARACTERISTICS: precise jointing and signal transmission without any attenuation. GW14425 ST bayonet connection; GW14426 SC coupling connection.

CONNECTORS FOR CONVENTIONAL NETWORKS



GW 14 443

CONNECTORS FOR CONVENTIONAL NETWORKS

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|------------------|-------------------|------------|--------------------|-------------|
| GW 14 441 | SUB-D 9 contacts | Weld-in | 2 | 1/12 |
| GW 14 442 | SUB-D 15 contacts | Weld-in | 2 | 1/12 |
| GW 14 443 | SUB-D 25 contacts | Weld-in | 3 | 1/16 |

APPLICATIONS: SUB-D connectors suitable for point-point connections for interfacing computers, peripheral devices, modems, etc..

NOTES: circuit identification label included.

SOCKET-OUTLETS FOR AUXILIARY CIRCUITS



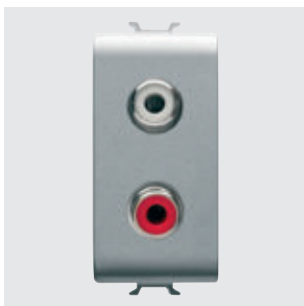
GW 14 451

SELV SOCKETS

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|------------------|-------------------------|---------------|--------------------|-------------|
| GW 14 451 | 2P - 6A - 24V | Ø 3 mm | 1 | 12/24 |
| GW 14 452 | 2P - 6A - 24V polarised | Flat | 1 | 12/24 |

CHARACTERISTICS: Centre distance 12,4mm.

AUDIO AND VIDEO SOCKETS



GW 14 453

AUDIO AND VIDEO SOCKETS

| Code | Description | No. Chorus modules | Pack Carton |
|------------------|-----------------------------|--------------------|-------------|
| GW 14 453 | Double RCA | 1 | 1/24 |
| GW 14 454 | Phonic circuits | 1 | 1/24 |
| GW 14 446 | F female Coupling connector | 1 | 1/12 |
| GW 14 458 | Speaker socket | 1 | 1/24 |

CHARACTERISTICS: GW14453 double RCA stud connector, red and white, weld-in connection.

GW14454, welding connection. GW14446 input and output connection via F-type male connector. GW14458 front access terminals for inserting 1.5mm² rigid wires, insulator punching rear connection suitable for cables AWG24 or max 0.25mm².

USB AND HDMI COUPLERS AND SOCKETS



GW 14 459

USB SOCKETS

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-------------------|--------------------|-------------|
| GW 14 459 | USB socket-outlet | 1 | 1/24 |

CHARACTERISTICS: A-type USB 2.0 female connector, with screw terminals on the back.



GW 38 056

USB AND HDMI COUPLERS

| Code | Description | Type | Compatibility | Pack Carton |
|-----------|--------------|------------------------|---------------|-------------|
| GW 38 056 | HDMI coupler | Female/Female | Keystone Jack | 1/48 |
| GW 38 057 | USB coupler | Female/Female - A type | Keystone Jack | 1/48 |

NOTE: for adapters (Chorus, System, Dahlia) with Keystone Jack coupling and for patch-panels.

USB POWER SUPPLY



GW 14 450

DOUBLE USB POWER SUPPLY FOR ELECTRONIC DEVICES

| Code | Supply voltage | Output voltage | Max current supplied | No. Chorus modules | Pack Carton |
|-----------|-------------------------|----------------|----------------------|--------------------|-------------|
| GW 14 450 | 100/240 V ac - 50/60 Hz | 5V dc | 2,1 A | 1 | 1/10 |

CHARACTERISTICS: equipped with two USB, A-type, female connectors that supply a total of 2.1A.

APPLICATIONS: suitable to recharge a single 2.1A electronic device (e.g.: tablet) or a couple of simultaneous devices (e.g.: tablet and smartphone). The total current provided (max. 2.1A) is split in the two USB outputs, depending on the state of charge of the connected devices.

PROTECTION - TITANIUM VERSION

MINIATURE CIRCUIT BREAKERS



GW 14 463

MCB - MINIATURE CIRCUIT BREAKERS - C CHARACTERISTIC - 230V AC

| Code | Description | Rated current (A) | Breaking capacity | No. Chorus modules | Pack Carton |
|-----------|------------------|-------------------|-------------------|--------------------|-------------|
| GW 14 461 | Single pole (1P) | 6 | 3 kA | 1 | 1/12 |
| GW 14 462 | Single pole (1P) | 10 | 3 kA | 1 | 1/12 |
| GW 14 463 | Single pole (1P) | 16 | 3 kA | 1 | 1/12 |
| GW 14 466 | Two-pole (1P+N) | 6 | 3 kA | 1 | 1/12 |
| GW 14 467 | Two-pole (1P+N) | 10 | 3 kA | 1 | 1/12 |
| GW 14 468 | Two-pole (1P+N) | 16 | 3 kA | 1 | 1/12 |



GW 14 488

RCBO - RESIDUAL CURRENT BREAKERS WITH OVERCURRENT PROTECTION - C CHARACTERISTIC - CLASS A - 230V AC - 50/60 HZ

| Code | Description | Rated current (A) | Breaking capacity | Idn | No. Chorus modules | Pack Carton |
|-----------|-----------------|-------------------|-------------------|-------|--------------------|-------------|
| GW 14 482 | Two-pole (1P+N) | 6 | 3 kA | 10 mA | 2 | 1/6 |
| GW 14 483 | Two-pole (1P+N) | 6 | 3 kA | 30 mA | 2 | 1/6 |
| GW 14 485 | Two-pole (1P+N) | 10 | 3 kA | 10 mA | 2 | 1/6 |
| GW 14 486 | Two-pole (1P+N) | 10 | 3 kA | 30 mA | 2 | 1/6 |
| GW 14 488 | Two-pole (1P+N) | 16 | 3 kA | 10 mA | 2 | 1/6 |
| GW 14 489 | Two-pole (1P+N) | 16 | 3 kA | 30 mA | 2 | 1/6 |

PROTECTION DEVICES



GW 14 491

FUSE HOLDER - 250V AC

| Code | Rated current (A) | Fuse type | No. Chorus modules | Pack Carton |
|-----------|-------------------|-------------|--------------------|-------------|
| GW 14 491 | 16 | Ø 6.3x32 mm | 1 | 1/12 |

CHARACTERISTICS: fuse not included.



GW 14 492

SURGE PROTECTION DEVICE - 230V AC

| Code | Uc | Up | No. Chorus modules | Pack Carton |
|-----------|------------------|------|--------------------|-------------|
| GW 14 492 | 275 V ac 50/60Hz | 1 kV | 1 | 1/12 |

CHARACTERISTICS: green LED for status signalling.

APPLICATIONS: protection for electronic devices (TV, HI-FI, computer, etc.) from overvoltage of atmospheric origin, or manoeuvres, that could be channelled by the power supply lines.

INDICATOR - TITANIUM VERSION

INDICATOR LIGHT DEVICES



GW 14 642

SINGLE INDICATOR LAMPS - 1/2 MODULE

| Code | Diffuser colour | Colour meaning | No. Chorus modules | Pack Carton |
|-----------|-----------------|----------------|--------------------|-------------|
| GW 14 641 | Opal | Neutral | 1/2 | 2/48 |
| GW 14 642 | Green | Safety | 1/2 | 2/48 |
| GW 14 643 | Red | Danger | 1/2 | 2/48 |
| GW 14 644 | Amber | Attention | 1/2 | 2/48 |

CHARACTERISTICS: LED signalling units, not included.

APPLICATIONS: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 14 622

SINGLE INDICATOR LAMPS - 1 MODULE

| Code | Diffuser colour | Colour meaning | No. Chorus modules | Pack Carton |
|-----------|-----------------|----------------|--------------------|-------------|
| GW 14 621 | Opal | Neutral | 1 | 1/24 |
| GW 14 622 | Green | Safety | 1 | 1/24 |
| GW 14 623 | Red | Danger | 1 | 1/24 |
| GW 14 624 | Amber | Attention | 1 | 1/24 |

CHARACTERISTICS: LED signalling units, not included.

APPLICATIONS: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 14 629

DOUBLE INDICATOR LAMPS - 1 MODULE

| Code | Diffuser colour | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 14 628 | Opal | 1 | 1/24 |
| GW 14 629 | Red/green | 1 | 1/24 |

CHARACTERISTICS: LED signalling units, not included.

APPLICATIONS: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 14 633

PROTRUDING INDICATOR LAMPS - 2 MODULES

| Code | Supply voltage | Diffuser colour | Lamp | No. Chorus modules | Pack Carton |
|-----------|------------------------------|-----------------|------|--------------------|-------------|
| GW 14 631 | 12V ac/dc - 230V ac 50/60 Hz | Opal | LED | 2 | 1/24 |
| GW 14 632 | 12V ac/dc - 230V ac 50/60 Hz | Green | LED | 2 | 1/24 |
| GW 14 633 | 12V ac/dc - 230V ac 50/60 Hz | Red | LED | 2 | 1/24 |
| GW 14 634 | 12V ac/dc - 230V ac 50/60 Hz | Amber | LED | 2 | 1/24 |

CHARACTERISTICS: highly efficient white LED, powered at 12V ac/dc - 230V ac with double power supply inlet.

APPLICATIONS: suitable for special applications such as the signalling of calls from hospital wards.

NOTES: complete with lamp.



GW 14 656

STAIR RISER LAMP

| Code | Supply voltage | Diffuser colour | Lamp | No. Chorus modules | Pack Carton |
|------------------|------------------------------|-----------------|------|--------------------|-------------|
| GW 14 651 | 12V ac/dc - 230V ac 50/60 Hz | Opal | LED | 2 | 1/24 |
| GW 14 656 | 12V ac/dc - 230V ac 50/60 Hz | Opal | LED | 4 | 1/2 |

CHARACTERISTICS: highly efficient white LED, powered at 12V ac/dc - 230V ac with double power supply inlet.

ANTI BLACK-OUT AND EMERGENCY LAMPS



GW 14 661

EXTRACTABLE ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | Pack Carton |
|------------------|---------------------|------------------------|------------------|------|-------------|
| GW 14 661 | 230 V ac - 50/60 Hz | Ni - Mh | 2 h | LED | 1/6 |

CHARACTERISTICS: equipped with a 3-position selector on the front panel, for anti black-out, inhibition and night functioning. To be inserted in any socket-outlet of the Italian, German or French type. Highly efficient, white LED lamp.



GW 14 662

ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | No. Chorus modules | Pack Carton |
|------------------|---------------------|------------------------|------------------|------|--------------------|-------------|
| GW 14 662 | 230 V ac - 50/60 Hz | Ni - Mh | 1 h | LED | 1 | 1/12 |

CHARACTERISTICS: green LED for the presence of mains voltage signalling. Highly efficient, white LED lamp.



GW 14 663

AUTONOMOUS EMERGENCY LAMPS

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | No. Chorus modules | Pack Carton |
|------------------|---------------------|------------------------|------------------|------|--------------------|-------------|
| GW 14 663 | 230 V ac - 50/60 Hz | Ni - Mh | 1 h | LED | 2 | 1/6 |
| GW 14 666 | 230 V ac - 50/60 Hz | Ni - Mh | 1 h | LED | 4 | 1/2 |

CHARACTERISTICS: green mains presence signal LED. Highly efficient, white LED lamps.

APPLICATIONS: compliant with standard EN60598-2-22.

ACOUSTIC SIGNALLING DEVICES



GW 14 601

RINGERS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------------|-----------------|--------------------|-------------|
| GW 14 601 | 12V ac - 50 Hz | 8 VA | 80 dB (at 1 m) | 1 | 1/24 |
| GW 14 602 | 230V ac - 50 Hz | 8 VA | 80 dB (at 1 m) | 1 | 1/24 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 14 606

BUZZERS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------------|-----------------|--------------------|-------------|
| GW 14 606 | 12V ac - 50 Hz | 8 VA | 70 dB (at 1 m) | 1 | 1/24 |
| GW 14 607 | 230V ac - 50 Hz | 8 VA | 70 dB (at 1 m) | 1 | 1/24 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 14 611

THREE TONE RINGER AND THREE INDEPENDENT INPUTS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------------|-----------------|--------------------|-------------|
| GW 14 611 | 12V ac/dc | 3 VA | 80 dB (at 1 m) | 2 | 1/6 |
| GW 14 612 | 230V ac - 50 Hz | 6 VA | 80 dB (at 1 m) | 2 | 1/6 |

CHARACTERISTICS: for continuous use. Three tones (alarm, ring and two-tone) with adjustable sound intensity.

APPLICATIONS: it is possible to combine the outdoor call, indoor call and alarm functions with one single device.

ENERGY, TEMPERATURE AND COMFORT MANAGEMENT - TITANIUM VERSION

CLOCK, ALARM, THERMOMETER



GW 14 708

CLOCK - ALARM - THERMOMETER

| Code | Supply voltage | Max. no daily alarms | Sound intensity | Measurement temperature | No. Chorus modules | Pack Carton |
|-----------|---------------------|----------------------|-----------------|-------------------------|--------------------|-------------|
| GW 14 708 | 230 V ac - 50/60 Hz | 2 | 72 dB (at 1 m) | From 0°C to +45°C | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.

TIMER DEVICES



GW 14 581

ELECTRONIC DAILY/WEEKLY TIMER, 1-CHANNEL

| Code | Supply voltage | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|---------------------------------|--------------------|-------------|
| GW 14 581 | 230 V ac - 50/60 Hz | 1NO/NC 8A(AC1)/4A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.



GW 14 582

TIMERS

| Code | Supply voltage | Type | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------|------------------------------|--------------------|-------------|
| GW 14 582 | 230 V ac - 50/60 Hz | Relay | 1NO 16A(AC1)/4A(AC15)250V ac | 2 | 1/2 |
| GW 14 583 | 230 V ac - 50/60 Hz | Electronic | 1NO 2A(AC1) 250V ac | 1 | 1/2 |

CHARACTERISTICS: possibility to command by means of remote control push-buttons, with NO contact. By means of a rotary selector on the side of the product, it is possible to vary the timing (15" - 30" - 45" - 1' - 1'30" - 2' - 3' - 5' - 10' - 15').

NOTES: GW14583 not suitable for directly commanding fluorescent lamps. GW14582 suitable for commanding fluorescent lamps with max current of 4A.

TEMPERATURE CONTROL DEVICES



GW 14 703

TIMED THERMOSTAT - DAILY/WEEKLY PROGRAMMING

| Code | Supply voltage | Temperature adjustment | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|---------------------------------|--------------------|-------------|
| GW 14 703 | 230 V ac - 50/60 Hz | From +5°C to +40°C | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.



GW 14 701

WALL-MOUNTING TIMED THERMOSTATS - DAILY/WEEKLY PROGRAMMING - BATTERY-POWERED

| Code | Temperature adjustment | Colour | Output contacts | Dimensions LxHxD (mm) | Pack Carton |
|-----------|------------------------|----------|---------------------------------|-----------------------|-------------|
| GW 10 701 | From +5°C to +40°C | White | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 130x92x23 mm | 1/2 |
| GW 14 701 | From +5°C to +40°C | Titanium | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 130x92x23 mm | 1/2 |

CHARACTERISTICS: powered by 3x1.5V AAA alkaline batteries, not included. Average battery life: 1 year.

Automatic energy saving and comfort function.

Kit for wall-mounting, containing: two strips of double-sided adhesive tape, two ø 6mm wall plugs with screws.



GW 14 705

THERMOSTAT

| Code | Supply voltage | Temperature adjustment | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|--------------------------|--------------------|-------------|
| GW 14 705 | 230 V ac - 50/60 Hz | From +5°C to +35°C | 1NO / NC 8A(AC1) 250V ac | 2 | 1/2 |

CHARACTERISTICS: choice of working mode by means of selector located on the front: summer (air-conditioner), OFF, winter (boiler).

Two-colour front LED to signal the output status (open/closed contact). The lighting up of the LED also indicates mains presence.



GW 16 972 CT

THERMO ICE WI-FI THERMOSTAT

| Code | Colour Plate | Supply voltage | Temperature adjustment | Output contacts | WiFi interface | Dimensions LxHxD (mm) | Pack Carton |
|--------------|--------------|----------------|------------------------|--------------------------|----------------|-----------------------|-------------|
| GW 16 972 CT | Titanium | 12-24V ac/dc | From +5°C to +40°C | 1NO / NC 5A(AC1) 250V ac | Yes | 123x95x11 | 1 |

CHARACTERISTICS: flush-mounting thermostat to control heating/cooling systems and to manually manage the temperature on three levels (comfort, pre-comfort, economy). Control algorithms for 2-way systems: 2 points (ON-OFF), proportional integral (PWM). It includes 1 input for a potential free contact (window contact function), 1 input for external temperature NTC sensor (e.g. protection for floor-mounting heating). Equipped with a user interface with touch commands (capacitive) on glass plate and backlit display and integrated proximity and temperature sensors. Equipped with WiFi interface for setting parameters and programming temperature profiles (timed thermostat function) locally or by remote via specific APPs (smartphone, tablet and smartwatch).

NOTES: the thermostat include a front plate, electronic unit and metal support, and is suitable for screw fixing on both rectangular 3-gang boxes (centre distance 83.5 mm) and round/square boxes (centre distance 60 mm) equipped with fixing columns.

ACCESSORIES



GW 10 720

POWER SUPPLY UNIT 12 VDC

| Code | Supply voltage | Output voltage | Max current supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------------|----------------------|-----------------------|-------------|
| GW 10 720 | 100/240 V ac - 50/60 Hz | 12V dc | 300 mA | 52x33x17 | 1/10 |

APPLICATIONS: to be used for powering LPG detectors (GW10711, GW12711, GW14711, GW20868, GW21868, GW30520), methane detectors (GW10712, GW12712, GW14712, GW20867, GW21867, GW30519) and water detectors (GW10716, GW12716, GW14716); Thermo ICE WiFi (GW16972CB, GW16972CN, GW16972CT) and KNX/Easy (GW16974CB, GW16974CN, GW16974CT) thermostats.

DIMMER



GW 14 566

UNIVERSAL ROTATING ELECTRONIC REGULATOR

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|------------------|--------------------|-------------|
| GW 14 566 | ③ 230V ac - 50Hz | 1 | 1/12 |

CHARACTERISTICS: for the regulation and switching of incandescent and halogen lamps 230V AC (4-160W), electronic transformers (4-160W) and LED lamps 230V AC with dimmer functions (4-160W). Rotary command with two-way switch. Equipped with orange signalling LED.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If two regulators are installed in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 14 561

ROTATING ELECTRONIC REGULATORS FOR RESISTIVE/INDUCTIVE LOADS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|------------------------|--------------------|-------------|
| GW 14 561 | 230 V ac - 50/60 Hz | 100 - 500 W | | 1 | 1/12 |
| GW 14 564 | 230 V ac - 50/60 Hz | 100 - 900 W | 40 - 300 VA | 1 | 1/12 |
| GW 14 567 | 230 V ac - 50/60 Hz | 100 - 500 W | 100 - 500 VA | 1 | 1/12 |

CHARACTERISTICS: with signalling led orange. GW14567 rotary command with two-way switch. GW14564 compliance with the EMC directive is only guaranteed by connecting the regulator to an LC filter with the following characteristics: L=1mH - 5A, C=0.15uF - 275V X2, according to the documentation provided with the product. Item designated solely for export to a limited number of countries outside of the European Union or countries applying to become part of the European Free Trade Area. Contact Gewiss Customer Service to check the product meets the regulations of the country concerned before importing it.

NOTES: to avoid overheating, the side by side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 14 572

UNIVERSAL ELECTRONIC REGULATORS WITH PUSH-BUTTON

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|--------------------|--------------------|-------------|
| GW 14 572 | 230V ac - 50/60 Hz | 1 | 1/12 |
| GW 14 573 | 230V ac - 50/60 Hz | 2 | 1/6 |

CHARACTERISTICS: for the regulation and switching of incandescent and halogen lamps 230V AC (40-300W), low voltage halogen lamps with electronic and winding transformers (40-300W), LED lamps 230V AC with dimmer function (5-150W) and CFL lamps with dimmer function (10-100W). Manual selection of the type of load (Leading Edge or Trailing Edge piloting), soft-start function for lamp protection. Possibility to command and regulate from remote control push-buttons with NO contacts. Equipped with orange signalling LED.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If two regulators are installed in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 14 568

ELECTRONIC REGULATOR WITH BUTTON FOR RESISTIVE/INDUCTIVE LOADS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. Chorus modules | Pack Carton |
|-----------|-----------------|---------------------------|---------------------------|-----------------------|----------------|
| GW 14 568 | 230V ac - 50 Hz | 60 - 500 W | 60 - 500 VA | 1 | 1/12 |

CHARACTERISTICS: possibility to command and regulate from remote control push-buttons with NO contact. With signalling led orange.
NOTES: to avoid overheating, the side by side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 14 574

ELECTRONIC REGULATOR WITH BUTTON FOR AIR AGITATORS

| Code | Supply voltage | Load 230V ac | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------|-----------------------|----------------|
| GW 14 574 | 230V ac - 50 Hz | 55-80 VA | 1 | 1/12 |

CHARACTERISTICS: possibility to command and regulate at fixed steps, also by means of remote control push-buttons, with NO contact. With signalling led red.
APPLICATIONS: suitable for adjusting air agitators, fans and extractors with induction motors.
NOTES: to avoid overheating, the side-by-side installation of several products in a single box is not recommended: insert a blanking module between two electronic devices.

ELECTRONIC PUSH-BUTTONS



GW 14 915

UNIVERSAL ELECTRONIC PUSH-BUTTON

| Code | Type of contact | Type of use | Button key | No. Chorus modules | Pack Carton |
|-----------|-----------------|--|------------|--------------------|-------------|
| GW 14 915 | Potential-free | Relay, dimmer, bus contacts interfaces | Neutral | 1 | 1/12 |

CHARACTERISTICS: push-button suitable for connection of KNX BUS contact interfaces, or the command of bistable relays, electronic one-way switches for heavy duty loads, or dimmers with a remote control input. Output contact 4A (AC1) - 230 V ac.



GW 14 912

BACKLIT ELECTRONIC PUSH-BUTTON

| Code | Supply voltage | Type of use | Button key | No. Chorus modules | Pack Carton |
|-----------|---------------------|---------------|---------------|--------------------|-------------|
| GW 14 912 | 230 V ac - 50/60 Hz | Relay, dimmer | With diffuser | 1 | 1/12 |

CHARACTERISTICS: push-button for controlling latching relays, electronic switches for heavy duty loads, or dimmers with a remote control input. Equipped with amber backlit LED. Output contact 4A (AC1) - 230 V ac.



GW 14 913

BACKLIT ELECTRONIC PUSH-BUTTONS FOR BUS INPUTS

| Code | Type of contact | Type of use | Button key | Pack Carton |
|------------------------------|-----------------|-------------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 14 913 | Potential-free | Bus contacts interfaces | With diffuser | 1/12 |
| GW 14 916 | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/12 |
| No. Chorus modules: 2 | | | | |
| GW 14 917 | Potential-free | Bus contacts interfaces | With diffuser | 1/6 |
| GW 14 918 | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/6 |

CHARACTERISTICS: push-button for BUS inputs, suitable for KNX BUS contact interface connections. Equipped with 2-colour (amber/green) LED with colour selector (can be set up to work as a night-time localisation lamp or to indicate the load status).



GW 14 914

DOUBLE ELECTRONIC PUSH-BUTTON

| Code | Type of contact | Button key | Symbol | No. Chorus modules | Pack Carton |
|-----------|---|------------|-----------|--------------------|-------------|
| GW 14 914 | Dual, potential-free and with interlock | Neutral | UP - DOWN | 1 | 1/12 |

CHARACTERISTICS: double push-button suitable for connecting KNX BUS contact interfaces or electronic control panels for moving roller shutters.

TOUCH COMMANDS - TITANIUM VERSION

TOUCH COMMAND MODULES



GW 10 907

TOUCH ONE-WAY SWITCH MODULE

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 10 907 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicator modules GW10909. A simple programming allows you to configure the acoustic signals (buzzer), light intensity signals (blue LED with two intensity levels), and the output contact (bistable or monostable). NO relay output contact with 230V AC potential. Suitable for commanding halogen and incandescent lamps: 500W, energy saving lamps: 100W (max. 4 lamps), uncompensated fluorescent lamps: 100W. Use a supply relay for all loads that are not indicated.

NOTES: to be completed with ICE Touch glass plate (cod. GW16951CB, GW16952CB, GW16953CB, GW16951CN, GW16952CN, GW16953CN, GW16951CT, GW16952CT, GW16953CT).



GW 10 908

TOUCH DIMMER MODULE

| Code | Supply voltage | Resistive load | Inductive load | No. Chorus modules | Pack Carton |
|-----------|-----------------|----------------|----------------|--------------------|-------------|
| GW 10 908 | 230V ac - 50 Hz | 40 - 300 W | 40 - 300 VA | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicator modules GW10909. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

NOTES: to avoid overheating, the side-by-side installation of several touch dimmer modules in a single container is not permitted; leave the space of a module between two dimmers. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.

To be completed with ICE Touch glass plate (cod. GW16951CB, GW16952CB, GW16953CB, GW16951CN, GW16952CN, GW16953CN, GW16951CT, GW16952CT, GW16953CT).



GW 10 909

TOUCH COMMAND DUPLICATOR MODULE

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 10 909 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: the device must be combined with the touch one-way switch module GW10907 or the touch dimmer module GW10908, increasing the command points. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

NOTES: to be completed with ICE Touch glass plate (cod. GW16951CB, GW16952CB, GW16953CB, GW16951CN, GW16952CN, GW16953CN, GW16951CT, GW16952CT, GW16953CT).

ICE TOUCH PLATES



GW 16 953 CB

ICE TOUCH - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CB | 1 symbol | GW16803 | 1 |
| GW 16 952 CB | 2 symbols | GW16803 | 1 |
| GW 16 953 CB | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).



GW 16 953 CN

ICE TOUCH - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CN | 1 symbol | GW16803 | 1 |
| GW 16 952 CN | 2 symbols | GW16803 | 1 |
| GW 16 953 CN | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).



GW 16 953 CT

ICE TOUCH - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 951 CT | 1 symbol | GW16803 | 1 |
| GW 16 952 CT | 2 symbols | GW16803 | 1 |
| GW 16 953 CT | 3 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish. Plates with 1, 2 or 3 symbols are used in combination with 1, 2 or 3 touch modules, respectively (switch module GW10907, dimmer module GW10908 or command duplicator module GW10909).

TOUCH COMMANDS



GW 14 904

TOUCH ONE-WAY SWITCH

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|------------------|-----------------|--------------------|-------------|
| GW 14 904 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicators GW14906. A simple programming allows you to configure the acoustic signals (buzzer), light intensity signals (blue LED with two intensity levels), and the output contact (bistable or monostable). NO relay output contact with 230V AC potential. Suitable for commanding halogen and incandescent lamps: 500W, energy saving lamps: 100W (max. 4 lamps), uncompensated fluorescent lamps: 100W. Use a supply relay for all loads that are not indicated.



GW 14 905

TOUCH DIMMER

| Code | Supply voltage | Resistive load | Inductive load | No. Chorus modules | Pack Carton |
|------------------|-----------------|----------------|----------------|--------------------|-------------|
| GW 14 905 | 230V ac - 50 Hz | 40 - 300 W | 40 - 300 VA | 1 | 1/12 |

CHARACTERISTICS: possibility of remote control with NO-type push-buttons and touch command duplicators GW14906. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

NOTES: to avoid overheating, the side-by-side installation of several touch dimmers in a single container is not permitted; insert a blanking module between two dimmers. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 14 906

TOUCH COMMAND DUPLICATOR

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|------------------|-----------------|--------------------|-------------|
| GW 14 906 | 230V ac - 50 Hz | 1 | 1/12 |

CHARACTERISTICS: the device must be combined with the touch one-way switches GW14904 or the touch dimmers GW14905, increasing the command points. A simple programming allows you to configure the acoustic signals (buzzer) and light intensity signals (blue LED with two intensity levels).

TECHNICAL ALARMS - TITANIUM VERSION

GAS DETECTORS



GW 14 711

LPG DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|--------------------|-------------|
| GW 14 711 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.



GW 14 712

METHANE GAS DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|--------------------|-------------|
| GW 14 712 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.

ANTI-FLOOD SYSTEM WITH WIRELESS TRANSMISSION



GW 14 716

WATER DETECTOR

| Code | Supply voltage | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------------|------------------------------|--------------------|-------------|
| GW 14 716 | 12V ac/dc | 1NO/NC5A(AC1)/3A(AC15)250Vac | 2 | 1/2 |

CHARACTERISTICS: sound intensity: 70dB at 1m.

NOTES: to be used exclusively with the water sensor GW12718. A maximum of 5 water sensors can be connected to each detector.

AVAILABILITY: article available until the new codes GWA1514 and GWA1521 become effective.



GW 12 718

WATER SENSOR

| Code | Supply voltage | RF range in free field | Dimensions LxHxD (mm) | Pack Carton |
|-----------|----------------|------------------------|-----------------------|-------------|
| GW 12 718 | 9V battery | 50 m | 74x88x45.5 | 1/2 |

NOTES: to be used exclusively with the water detector GW14716. The connection with the water detector is wireless.

Equipped with wall plugs, screws and double-sided adhesive tape for wall-mounting.

AVAILABILITY: article available until the new codes GWA1514 and GWA1521 become effective.

ANTI-FLOOD SYSTEM WITH ZIGBEE® WIRELESS TRANSMISSION



GW A1 514

WATER SENSOR ZIGBEE

| Code | Colour | Dimensions (mm) | Pack Carton |
|-----------|--------|-----------------|-------------|
| GW A1 514 | White | Ø 60x37 | 1 |

CHARACTERISTICS: power supply 3V battery type CR123. Siren output: 85 db at 3 m. The device includes also a temperature sensor (0÷50°C).

NOTES: position the sensor on the ground. To be used in combination with a ZigBee actuator (e.g.: GWA1521) to control an electrovalve or a load.



GW A1 521

1-CHANNEL ACTUATOR ZIGBEE

| Code | Supply voltage | Output contacts | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|---------------------|-----------------------|-------------|
| GW A1 521 | 230V ac - 50 Hz | 10 A (AC1) 250 V ac | 38x38x13 | 1/4 |

CHARACTERISTICS: 1-channel actuator for activating loads via the potential-free output contact (NO). Suitable for commanding incandescent lamps (230 V ac): 2300W, loads controlled from toroidal transformers: 450W, loads controlled from electronic transformers: 600W, energy saving lamps (compact fluorescent): 150W, LED lamps (230 V ac): 150W, motors: 500W.

APPLICATIONS: when used with the water sensor, provide the installation of a NO push-button to open the electrovalve manually.

NOTES: installation in flush-mounting boxes, junction boxes, etc.



GW 14 750

BLANKING MODULE FOR HOUSING RF ZIGBEE ACTUATORS

| Code | Colour | No. Chorus modules | Pack Carton |
|-----------|----------|--------------------|-------------|
| GW 14 750 | Titanium | 1 | 1/12 |

CHARACTERISTICS: 1-gang blanking module with pad printing. Allows the housing and fast identification of the flush-mounting RF ZigBee actuator.

NOTES: snap-in assembly.

ACCESSORIES



GW 10 720

POWER SUPPLY UNIT 12 VDC

| Code | Supply voltage | Output voltage | Max current supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------------|----------------------|-----------------------|-------------|
| GW 10 720 | 100/240 V ac - 50/60 Hz | 12V dc | 300 mA | 52x33x17 | 1/10 |

APPLICATIONS: to be used for powering LPG detectors (GW10711, GW12711, GW14711, GW20868, GW21868, GW30520), methane detectors (GW10712, GW12712, GW14712, GW20867, GW21867, GW30519) and water detectors (GW10716, GW12716, GW14716); Thermo ICE WiFi (GW16972CB, GW16972CN, GW16972CT) and KNX/Easy (GW16974CB, GW16974CN, GW16974CT) thermostats.



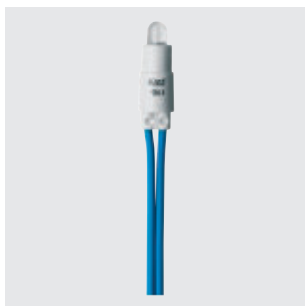
GW 30 522

SOLENOID VALVE, WITH MANUAL RESET, NORMALLY OPEN - 230V - 50HZ

| Code | Delivery Ø | Material | Power input | Pack Carton |
|-----------|------------|----------|-------------|-------------|
| GW 30 522 | 3/4" | Brass | 12 VA | 1/2 |

ACCESSORIES

SIGNALLING UNITS



GW 10 881

MINIATURE LAMPS WITH LED SIGNALLING UNITS - 230 V AC - 0.6 W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Cable Colour | Pack Carton |
|-----------|---------------------|------------|------|---------------|--------------|-------------|
| GW 10 881 | 230 V ac - 50/60 Hz | 0.6 W | LED | Blue | Blue | 50 |
| GW 10 882 | 230 V ac - 50/60 Hz | 0.6 W | LED | White | White | 50 |
| GW 10 883 | 230 V ac - 50/60 Hz | 0.6 W | LED | Red | Red | 50 |
| GW 10 884 | 230 V ac - 50/60 Hz | 0.6 W | LED | Green | Green | 50 |
| GW 10 885 | 230 V ac - 50/60 Hz | 0.6 W | LED | Amber | Orange | 50 |

NOTES: the LED signalling units are supplied with power supply cables (length 10 cm).



GW 10 894

MINIATURE LAMPS WITH LED SIGNALLING UNITS - 12-24 V AC/DC - 0.6 W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Cable Colour | Pack Carton |
|-----------|--------------|------------|------|---------------|--------------|-------------|
| GW 10 894 | 12-24V ac/dc | 0.6 W | LED | White | White | 50 |

NOTES: the LED signalling units are supplied with power supply cables (length 10 cm).

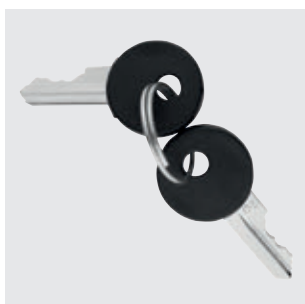


GW 20 902

CARTRIDGE LAMPS - 2W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Dimensions (mm) | Pack Carton |
|-----------|--------------|------------|---------------|---------------|-----------------|-------------|
| GW 20 902 | 12V ac/dc | 2 W | Incandescence | White | S6x36 | 50 |
| GW 20 903 | 24V ac/dc | 2 W | Incandescence | White | S6x36 | 50 |

ACCESSORIES



GW 20 901

SET OF KEYS FOR COMMAND DEVICES

| Code | Suitable for | Pack Carton |
|-----------|-------------------------------------|-------------|
| GW 20 901 | One-way switches - two-way switches | 1/100 |
| GW 30 912 | Push-buttons | 1/100 |

COMMAND - IVORY

One-way switches

GW 11 001
1M-1P-16 AX

GW 11 002
1M-1P-16 AX
Illuminable (*)

GW 11 003
1M-1P-16 AX
Illuminable (*)

GW 11 004
1M-2P-16 AX

GW 11 031
2M-1P-16 AX

GW 11 032
2M-1P-16 AX
Illuminable (*)

GW 11 033
2M-1P-16 AX
Illuminable (*)

Two-way switches

GW 11 051
1M-1P-16 AX

GW 11 052
1M-1P-16 AX
Illuminable (*)

GW 11 053
1M-1P-16 AX
Illuminable (*)

GW 11 071
2M-1P-16 AX

GW 11 072
2M-1P-16 AX
Illuminable (*)

GW 11 073
2M-1P-16 AX
Illuminable (*)

Three-way switches

GW 11 121
1M-1P-10 AX
Positions 1-0-2

GW 11 123
2M-1P-10 AX
Positions 1-0-2

Intermediate switches

GW 11 091
1M-1P-16 AX

GW 11 092
1M-1P-16 AX
Illuminable (*)

GW 11 101
2M-1P-16 AX

GW 11 102
2M-1P-16 AX
Illuminable (*)

Push-buttons

GW 11 131
1M-1P-NO-16 A

GW 11 132
1M-1P-NO-16 A
Illuminable (*)

GW 11 133
1M-1P-NO-16 A
Illuminable (*)

GW 11 136
1M-1P-NO-16 A
With pull-cord

GW 11 140
1M-1P-NO+NO-10 A
With interlock

GW 11 153
1M-1P-NA-16 A
Bell - Illuminable (*)

GW 11 171
2M-1P-NA-16 A

GW 11 172
2M-1P-NO-16 A
Illuminable (*)

GW 11 173
2M-1P-NO-16 A
Illuminable (*)

Lenses with illuminated symbol

GW 10 501
Neutral

GW 10 502
Light

GW 10 503
Stair light

GW 10 504
Table light

GW 10 505
Bell

GW 10 506
Fan

GW 10 507
Key

GW 10 508
Alarm

GW 10 509
ON

GW 10 510
OFF

GW 10 511
Nurse

GW 10 512
Waitress

GW 10 513
Dimmer increase

GW 10 514
Dimmer decrease

GW 10 515
UP arrow

GW 10 516
DOWN arrow

GW 10 517
UP-DOWN arrow

GW 10 518
RIGHT-LEFT arrow

GW 10 531
One

GW 10 532
Two

GW 10 533
Three

GW 10 534
Four

GW 10 535
Five

GW 10 536
Six

GW 10 537
Seven

GW 10 538
Eight

GW 10 539
Nine

GW 10 540
Zero

Blanking modules

GW 11 197
1/2M

GW 11 195
1M

GW 11 198
2M

Cable outputs

GW 11 196
1M









Hotel components

GW 11 039
Badge switch
2M-1P-NO-16 AX
Illuminable (*)

(*) supplied without LED signalling unit

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POWER - IVORY

| | | | | | | | |
|---------------|---|---|---|---|--------|---|---|
| Italian |  | German |  |  | French |  |  |
| | GW 11 203 2P+E-16 A-250 V ac Dual amperage | | GW 11 241 2P+E-16 A-250 V ac | GW 11 242 2P+E-16 A-250 V ac with lid - IP40 | | GW 11 246 2P-16 A-250 V ac | GW 11 247 2P+E-16 A-250 V ac |
| Euro-american |  |  | Shaver socket-outlet |  | | | |
| | GW 11 287 2P-15 A-250/125 V ac | GW 11 288 2P+E-15 A-250/125 V ac | | GW 11 331 230 V ac 50/60 Hz | | | |

DATA - IVORY

| | | | | | | | |
|-----------------------|---|-----------------|---|---|---|---|--|
| TV male IEC |  | TV-SAT female F |  | TV-FM-SAT |  |  |  |
| | GW 11 361 0 dB | | GW 11 371 0 dB | | GW 11 381 TV-FM 0 dB | GW 11 382 TV-FM-SAT 0 dB | GW 11 383 TV-SAT 0 dB |
| Telephone sockets |  | Data sockets |  |  |  |  |  |
| | GW 11 401 RJ11 | | GW 11 421 RJ45 cat. 5e UTP | GW 11 422 RJ45 cat. 5e FTP | GW 11 423 RJ45 cat. 6 UTP | GW 11 424 RJ45 cat. 6 FTP | GW 11 431 AMP/Keystone Jack adapter |
| USB and HDMI couplers |  | | | | | | |
| | GW 38 056 HDMI coupler | | | | | | |
| |  | | | | | | |
| | GW 38 057 USB coupler | | | | | | |

INDICATOR - IVORY

| | | | | | | | | | | |
|----------------------|---|---------|---|---------|---|------------------------|---|---|------------------------|---|
| Anti black-out lamps |  | Ringers |  | Buzzers |  | Single indicator lamps |  |  | Double indicator lamps |  |
| | GW 11 662 230 V ac-50/60 Hz | | GW 11 602 230 V ac-50 Hz | | GW 11 607 230 V ac-50 Hz | | GW 11 622 1M - Green Illuminable (*) | GW 11 623 1M - Red Illuminable (*) | | GW 11 629 1M - Red/Green Illuminable (*) |

(*) supplied without LED signalling unit

ENERGY MANAGEMENT, CLIMATE AND COMFORT - IVORY

Thermostat



GW 11 705
230 V ac-50/60 Hz

Dimmer



GW 11 564 ▲
Resistive 100-900 W
Inductive 40-300 VA
230 V ac-50/60 Hz



GW 11 567
Resistive 100-500 W
Inductive 100-500 VA
With two-way switch
230 V ac-50/60 Hz




GW 11 566
Resistive 4-160 W
LED 4-160 W
Electr. transf. 4-160 W
230 V ac-50/60 Hz




GW 11 573
Res./Ind. 40-300 W
LED 5-150 W
CFL 10-100 W
230 V ac-50/60 Hz

ACCESSORIES


LED signalling units




GW 10 881
Blue
230 V
ac-50/60 Hz




GW 10 882
White
230 V
ac-50/60 Hz




GW 10 883
Red
230 V
ac-50/60 Hz



GW 10 884
Green
230 V
ac-50/60 Hz




GW 10 885
Amber
230 V
ac-50/60 Hz




GW 10 894
White
12/24 V
ac/dc

SUPPORTS

Supports for round/
square boxes

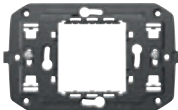


GW 16 821 With fixing clutches - 2 gangs
GW 16 823 With long fixing clutches - 2 gangs




GW 16 822 With screw (not included) - 2 gangs

Supports for round/square
and rectangular boxes

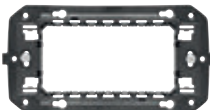


GW 16 802 With screw - 2 gangs


Supports for rectangular
boxes



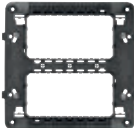
GW 16 803 With screw - 3 gangs




GW 16 804 With screw - 4 gangs
GW 16 824 With screw
(for French std boxes) - 4 gangs
(for French std boxes)



GW 16 806 With screw - 6 gangs
GW 16 825 With screw
(for French std boxes) - 6 gangs
(for French std boxes)



GW 16 808 With screw - 4+4 gangs



GW 16 812 With screw - 6+6 gangs

▲ = Items designed solely to export to a limited number of countries outside the European Union or proposed as candidate and to the European Free Trade Association. Contact Gewiss customer service to check if the product meets the regulations of the country concerned before importing it.

COMMAND - IVORY VERSION

COMMAND DEVICES - SCREW TERMINALS

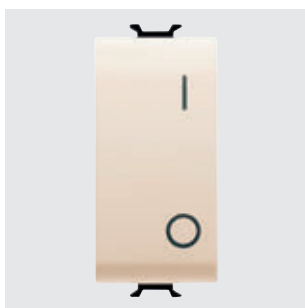


GW 11 001

ONE-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 11 001 | 1P - 16AX | Neutral | 12/96 |
| GW 11 002 | 1P - 16AX illuminable | With diffuser | 12/24 |
| GW 11 003 | 1P - 16AX illuminable | With replaceable neutral lens | 12/24 |
| No. Chorus modules: 2 | | | |
| GW 11 031 | 1P - 16AX | Neutral | 6/24 |
| GW 11 032 | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 11 033 | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.



GW 11 004

ONE-WAY SWITCHES 2P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------|------------|--------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 11 004 | 2P - 16 AX | Neutral | 0/1 | 12/48 |



GW 11 051

TWO-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 11 051 | 1P - 16AX | Neutral | 12/96 |
| GW 11 052 | 1P - 16AX illuminable | With diffuser | 12/24 |
| GW 11 053 | 1P - 16AX illuminable | With replaceable neutral lens | 12/24 |
| No. Chorus modules: 2 | | | |
| GW 11 071 | 1P - 16AX | Neutral | 6/24 |
| GW 11 072 | 1P - 16AX illuminable | With diffuser | 6/24 |
| GW 11 073 | 1P - 16AX illuminable | With replaceable neutral lens | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

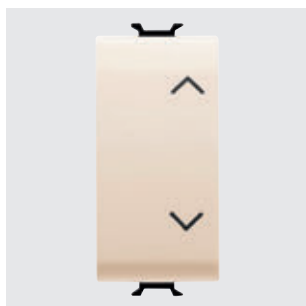


GW 11 091

INTERMEDIATE SWITCHES 1P - 250V AC

| Code | Description | Button key | Pack Carton |
|------------------------------|-----------------------|---------------|-------------|
| No. Chorus modules: 1 | | | |
| GW 11 091 | 1P - 16AX | Neutral | 12/48 |
| GW 11 092 | 1P - 16AX illuminable | With diffuser | 12/24 |
| No. Chorus modules: 2 | | | |
| GW 11 101 | 1P - 16AX | Neutral | 6/12 |
| GW 11 102 | 1P - 16AX illuminable | With diffuser | 6/12 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.



GW 11 121

THREE-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------|------------|-----------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 11 121 | 1P - 10AX | Neutral | UP - DOWN | 12/24 |
| No. Chorus modules: 2 | | | | |
| GW 11 123 | 1P - 10AX | Neutral | UP - DOWN | 6/24 |

CHARACTERISTICS: three standing positions. Both contacts are open in the central position (OFF).

APPLICATIONS: command of circuits requiring an interlock (e.g. operating motorised devices with direction reversal). 2-user selective control.



GW 11 131

PUSH-BUTTONS 1P - 250V AC

| Code | Description | Button key | Symbol | Pack Carton |
|------------------------------|-------------------------|-------------------------------|-----------|-------------|
| No. Chorus modules: 1 | | | | |
| GW 11 131 | 1P NO - 16A | Neutral | | 12/96 |
| GW 11 132 | 1P NO - 16A illuminable | With diffuser | | 12/24 |
| GW 11 133 | 1P NO - 16A illuminable | With replaceable neutral lens | | 12/24 |
| GW 11 136 | 1P NO - 16A | Pull-cord | | 1/12 |
| GW 11 140 | 1P NO+NO - 10A | With interlock | UP - DOWN | 12/24 |
| GW 11 153 | 1P NO - 16A illuminable | With replaceable neutral lens | Bell | 12/24 |
| No. Chorus modules: 2 | | | | |
| GW 11 171 | 1P NO - 16A | Neutral | | 6/24 |
| GW 11 172 | 1P NO - 16A illuminable | With diffuser | | 6/24 |
| GW 11 173 | 1P NO - 16A illuminable | With replaceable neutral lens | | 6/24 |

CHARACTERISTICS: the illuminable articles use LED signalling units, not included.

GW11136 Cord in insulating material, 140cm long, with red knob.

GW11140 button with mechanical interlock.

Both contacts are open in the central position (OFF); advisable for activating motorised devices with direction reversal (e.g. roller-shutters, curtains, etc.).

LENS WITH ILLUMINATED SYMBOL



SYMBOLS FOR ILLUMINABLE COMMAND DEVICES

| Code | Symbol | Pack Carton |
|---|--------------------|-------------|
| Suitable for: General services | | |
| GW 10 501 | Neutral | 20/240 |
| GW 10 502 | Light | 20/240 |
| GW 10 503 | Stair light | 20/240 |
| GW 10 504 | Table light | 20/240 |
| GW 10 505 | Bell | 20/240 |
| GW 10 506 | Fan | 20/240 |
| GW 10 507 | Key | 20/240 |
| GW 10 508 | Alarm | 20/240 |
| GW 10 509 | ON | 20/240 |
| GW 10 510 | OFF | 20/240 |
| GW 10 511 | Nurse | 20/240 |
| GW 10 512 | Waitress | 20/240 |
| GW 10 513 | Dimmer increase | 20/240 |
| GW 10 514 | Dimmer decrease | 20/240 |
| GW 10 515 | UP arrow | 20/240 |
| GW 10 516 | DOWN arrow | 20/240 |
| GW 10 517 | UP - DOWN arrow | 20/240 |
| GW 10 518 | RIGHT - LEFT arrow | 20/240 |
| Suitable for: Numerical services | | |
| GW 10 531 | One | 20/240 |
| GW 10 532 | Two | 20/240 |
| GW 10 533 | Three | 20/240 |
| GW 10 534 | Four | 20/240 |
| GW 10 535 | Five | 20/240 |
| GW 10 536 | Six | 20/240 |
| GW 10 537 | Seven | 20/240 |
| GW 10 538 | Eight | 20/240 |
| GW 10 539 | Nine | 20/240 |
| GW 10 540 | Zero | 20/240 |

NOTES: to be used in place of the neutral lens in the illuminable command devices.

BADGE SWITCH



GW 11 039

BADGE SWITCH

| Code | Description | For badge card max. width | No. Chorus modules | Pack Carton |
|-----------|---------------------------|---------------------------|--------------------|-------------|
| GW 11 039 | 1P NA - 16 AX illuminable | 54 mm | 2 | 1/6 |

CHARACTERISTICS: the product can be fitted directly in 2-module plates; with plates of a greater modularity, you are advised to use 2 blanking modules for a 1/2 module (one on the right and one on the left).

APPLICATIONS: activation of circuits and services in hotel rooms (e.g. lights, air-conditioner, fridge-bar), indication of room occupied (with badge inserted).

NOTES: badges not included. The article uses LED signalling units, not included.

BLANKING MODULES AND CABLE OUTLET



GW 11 195

BLANKING MODULES

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|-------------|
| GW 11 195 | 1 gang | 1 | 10/200 |
| GW 11 197 | 1/2 gang | 1/2 | 4/48 |
| GW 11 198 | 2 gang | 2 | 1/48 |



GW 11 196

CABLE OUTLET

| Code | Description | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|-------------|
| GW 11 196 | 1 gang | 1 | 1/48 |

NOTES: with anti-traction cable fastener device, cables min 6mm ø, max 10mm ø.

POWER - IVORY VERSION

SOCKET-OUTLETS - ITALIAN/GERMAN STANDARD



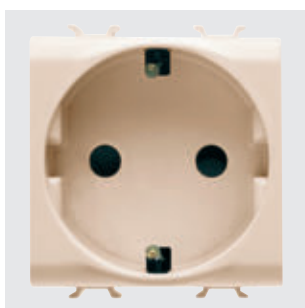
GW 11 203

ITALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------|-----------------|---------------|--------------------|-------------|
| GW 11 203 | 2P+E - 16 A Dual amperage | P11-P17 | Ø 4 / 5 mm | 1 | 12/96 |

CHARACTERISTICS: with safety shields.

SOCKET-OUTLETS - GERMAN STANDARD

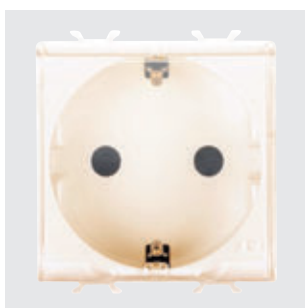


GW 11 241

GERMAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 11 241 | 2P+E - 16A | Ø 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.



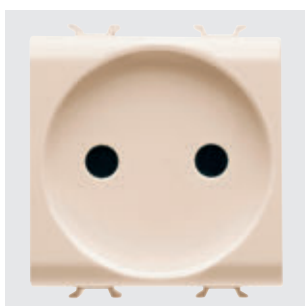
GW 11 242

GERMAN STANDARD SOCKET-OUTLET WITH LID IP40 - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 11 242 | 2P+E - 16A | Ø 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields. Equipped with a transparent rigid cover with a glossy finish. IP40 degree of protection with the cover closed.

SOCKET-OUTLETS - FRENCH STANDARD



GW 11 246

FRENCH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 11 246 | 2P - 16A | Ø 4 / 4.8 mm | 2 | 1/24 |
| GW 11 247 | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.

SOCKET-OUTLETS - INTERNATIONAL STANDARD



GW 11 288

EURO-AMERICAN STANDARD SOCKET-OUTLETS - 250/125V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 11 287 | 2P - 15A | Ø 4 mm Flat | 1 | 12/48 |
| GW 11 288 | 2P+E - 15A | Ø 4 mm Flat | 1 | 12/48 |

SHAVER SOCKET-OUTLET



GW 11 331

EURO-AMERICAN STANDARD SHAVER SOCKET-OUTLET WITH INSULATION TRANSFORMER

| Code | Supply voltage | For plug pins | Selectable output voltage | Maximum power | No. Chorus modules | Pack Carton |
|-----------|---------------------|----------------------|---------------------------|---------------|--------------------|-------------|
| GW 11 331 | 230 V ac - 50/60 Hz | Ø 4 / 5 - 6.3x1.5 mm | 120-230V ac | 20 VA | 3 | 1/2 |

CHARACTERISTICS: the socket-outlet is equipped with a self-protection device against overloading.
The output voltage should be selected correctly, consulting the rating of the user device before inserting the plug.
The relevant indicator LED allows the chosen voltage to be clearly seen.

NOTES: not suitable for installation in wall-mounting boxes or free-standing containers.

DATA - IVORY VERSION

TV-SAT SOCKETS



GW 11 361

COAXIAL TV SOCKETS (5-2400 MHZ), CLASS A SHIELDING - MALE IEC CONNECTOR Ø 9.5 MM

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|-------------|-------------|--------------------|-------------|
| GW 11 361 | Direct | 0 dB | 1 | 1/48 |

CHARACTERISTICS: GW11361 allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).
APPLICATIONS: socket-outlets suitable for return channel.



GW 11 371

COAXIAL TV SOCKETS (5-2400 MHZ) CLASS A SHIELDING - FEMALE F CONNECTOR

| Code | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|-------------|-------------|--------------------|-------------|
| GW 11 371 | Direct | 0 dB | 1 | 1/48 |

CHARACTERISTICS: GW11371 allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500mA).
APPLICATIONS: socket-outlets suitable for return channel.



GW 11 382

TV-FM-SAT SOCKETS

| Code | Connectors | Description | Attenuation | No. Chorus modules | Pack Carton |
|-----------|------------|-------------|-------------|--------------------|-------------|
| GW 11 381 | TV-FM | Direct | 0 dB | 2 | 1/24 |
| GW 11 382 | TV-FM-SAT | Direct | 0 dB | 2 | 1/24 |
| GW 11 383 | TV-SAT | Direct | 0 dB | 2 | 1/24 |

CHARACTERISTICS: TV-FM direct co-axial socket-outlet GW11381; male IEC-type TV connector ø 9.5mm; female IEC-type FM connector ø 9.5mm.
TV-FM-SAT direct co-axial socket-outlet GW11382; male IEC-type TV connector ø 9.5mm; female IEC-type FM connector ø 9.5mm; female F-type SAT connector.
TV-SAT direct co-axial socket-outlet GW11383; male IEC-type TV connector ø 9.5mm; female F-type SAT connector.
NOTES: demixed socket-outlets with input for co-axial cable Ø 5mm or 7mm.

TELEPHONE SOCKETS



GW 11 401

RJ11 TELEPHONE SOCKETS

| Code | Description | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 11 401 | RJ11 | Screw-on terminals | 1 | 1/24 |

APPLICATIONS: telephone, telefax, modem.

DATA SOCKETS



GW 11 421

RJ45 SOCKETS

| Code | Description | Number pairs | Use category | Cables | Connection | No. Chorus modules | Pack Carton |
|-----------|-------------|--------------|--------------|--------|------------|--------------------|-------------|
| GW 11 421 | RJ45 | 4 | 5e | UTP | Toolless | 1 | 1/24 |
| GW 11 422 | RJ45 | 4 | 5e | FTP | Toolless | 1 | 1/24 |
| GW 11 423 | RJ45 | 4 | 6 | UTP | Toolless | 1 | 1/24 |
| GW 11 424 | RJ45 | 4 | 6 | FTP | Toolless | 1 | 1/24 |

APPLICATIONS: LANs up to 100MHz (e.g. Ethernet, Token Ring networks) for cat. 5e; LANs up to 250MHz (e.g. Videoconference systems, CCTV) for cat. 6.

NOTES: circuit identification label included.



GW 11 431

ADAPTER FOR HOUSING DATA CONNECTORS

| Code | Compatibility | No. Chorus modules | Pack Carton |
|-----------|---------------------|--------------------|-------------|
| GW 11 431 | AMP / Keystone Jack | 1 | 1/48 |

NOTES: with regard to the technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the connector and the Gewiss adapter.

USB AND HDMI COUPLERS



GW 38 056

USB AND HDMI COUPLERS

| Code | Description | Type | Compatibility | Pack Carton |
|-----------|--------------|------------------------|---------------|-------------|
| GW 38 056 | HDMI coupler | Female/Female | Keystone Jack | 1/48 |
| GW 38 057 | USB coupler | Female/Female - A type | Keystone Jack | 1/48 |

NOTE: for adapters (Chorus, System, Dahlia) with Keystone Jack coupling and for patch-panels.

INDICATOR - IVORY VERSION

INDICATOR LIGHT DEVICES



GW 11 622

SINGLE INDICATOR LAMPS - 1 MODULE

| Code | Diffuser colour | Colour meaning | No. Chorus modules | Pack Carton |
|-----------|-----------------|----------------|--------------------|-------------|
| GW 11 622 | Green | Safety | 1 | 1/24 |
| GW 11 623 | Red | Danger | 1 | 1/24 |

CHARACTERISTICS: LED signalling units, not included.

APPLICATIONS: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 11 629

DOUBLE INDICATOR LAMPS - 1 MODULE

| Code | Diffuser colour | No. Chorus modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 11 629 | Red/green | 1 | 1/24 |

CHARACTERISTICS: LED signalling units, not included.

APPLICATIONS: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.

ANTI BLACK-OUT AND EMERGENCY LAMPS



GW 11 662

ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|------------------|------|--------------------|-------------|
| GW 11 662 | 230 V ac - 50/60 Hz | Ni - Mh | 1 h | LED | 1 | 1/12 |

CHARACTERISTICS: green LED to indicate mains presence. Highly efficient, white LED lamp.

ACOUSTIC SIGNALLING DEVICES



GW 11 602

RINGERS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------------|-----------------|--------------------|-------------|
| GW 11 602 | 230V ac - 50 Hz | 8 VA | 80 dB (at 1 m) | 1 | 1/24 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 11 607

BUZZERS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Chorus modules | Pack Carton |
|-----------|-----------------|-----------------------|-----------------|--------------------|-------------|
| GW 11 607 | 230V ac - 50 Hz | 8 VA | 70 dB (at 1 m) | 1 | 1/24 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).

ENERGY MANAGEMENT, CLIMATE AND COMFORT - IVORY VERSION

TEMPERATURE CONTROL DEVICES



GW 11 705

THERMOSTAT

| Code | Supply voltage | Temperature adjustment | Output contacts | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|--------------------------|--------------------|-------------|
| GW 11 705 | 230 V ac - 50/60 Hz | From +5°C to +35°C | 1NO / NC 8A(AC1) 250V ac | 2 | 1/2 |

CHARACTERISTICS: choice of working mode by means of selector located on the front: summer (air-conditioner), OFF, winter (boiler). Two-colour front LED to signal the output status (open/closed contact). The lighting up of the LED also indicates mains presence.

DIMMER



GW 11 566

UNIVERSAL ROTATING ELECTRONIC REGULATOR

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|------------------|--------------------|-------------|
| GW 11 566 | ③ 230V ac - 50Hz | 1 | 1/12 |

CHARACTERISTICS: for the regulation and switching of incandescent and halogen lamps 230V AC (4-160W), electronic transformers (4-160W) and LED lamps 230V AC with dimmer functions (4-160W). Rotary command with two-way switch. Equipped with orange signalling LED.

NOTES: To avoid overheating, the side-by-side installation of several products in a single container is not permitted. Insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 11 564

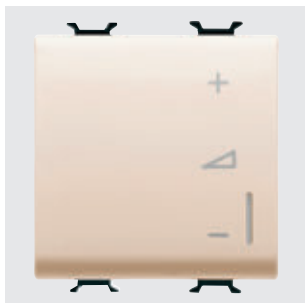
ROTATING ELECTRONIC REGULATORS FOR RESISTIVE/INDUCTIVE LOADS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. Chorus modules | Pack Carton |
|-----------|---------------------|------------------------|------------------------|--------------------|-------------|
| GW 11 564 | 230 V ac - 50/60 Hz | 100 - 900 W | 40 - 300 VA | 1 | 1/12 |
| GW 11 567 | 230 V ac - 50/60 Hz | 100 - 500 W | 100 - 500 VA | 1 | 1/12 |

CHARACTERISTICS: with signalling led orange. GW11567 rotary command with two-way switch.

GW11564 compliance with the EMC directive is only guaranteed by connecting the regulator to an LC filter with the following characteristics: L=1mH - 5A, C=0.15uF - 275V X2, according to the documentation provided with the product. Item designated solely for export to a limited number of countries outside of the European Union or countries applying to become part of the European Free Trade Area. Contact Gewiss Customer Service to check the product meets the regulations of the country concerned before importing it.

NOTES: to avoid overheating, the side by side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 11 573

UNIVERSAL ELECTRONIC REGULATOR WITH PUSH-BUTTON

| Code | Supply voltage | No. Chorus modules | Pack Carton |
|-----------|---------------------|--------------------|-------------|
| GW 11 573 | 230 V ac - 50/60 Hz | 2 | 1/6 |

CHARACTERISTICS: for the regulation and switching of incandescent and halogen lamps 230V AC (40-300W), low voltage halogen lamps with electronic and winding transformers (40-300W), LED lamps 230V AC with dimmer function (5-150W) and CFL lamps with dimmer function (10-100W). Manual selection of the type of load (Leading Edge or Trailing Edge piloting), soft-start function for lamp protection. Possibility to command and regulate from remote control push-buttons with NO contacts. Equipped with orange signalling LED.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If two regulators are installed in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.

ACCESSORIES

SIGNALLING UNIT



GW 10 881

MINIATURE LAMPS WITH LED SIGNALLING UNITS - 230 V AC - 0.6 W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Cable Colour | Pack Carton |
|-----------|---------------------|------------|------|---------------|--------------|-------------|
| GW 10 881 | 230 V ac - 50/60 Hz | 0.6 W | LED | Blue | Blue | 50 |
| GW 10 882 | 230 V ac - 50/60 Hz | 0.6 W | LED | White | White | 50 |
| GW 10 883 | 230 V ac - 50/60 Hz | 0.6 W | LED | Red | Red | 50 |
| GW 10 884 | 230 V ac - 50/60 Hz | 0.6 W | LED | Green | Green | 50 |
| GW 10 885 | 230 V ac - 50/60 Hz | 0.6 W | LED | Amber | Orange | 50 |

NOTES: the LED signalling units are supplied with power supply cables (length 10 cm).



GW 10 894

MINIATURE LAMPS WITH LED SIGNALLING UNITS - 12-24 V AC/DC - 0.6 W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Cable Colour | Pack Carton |
|-----------|--------------|------------|------|---------------|--------------|-------------|
| GW 10 894 | 12-24V ac/dc | 0.6 W | LED | White | White | 50 |

NOTES: the LED signalling units are supplied with power supply cables (length 10 cm).

Chorus



THE SHAPES OF BEAUTY



DNE, GEO, LUX, ART, ICE and ICE Touch are the plates for the Gewiss CHORUS innovative domestic range: six different forms reflecting the character, personality and style of those who live in the home. With full spontaneity of gestures and the simplicity of the commands.

ALL THE BENEFITS OF A SINGLE FRAME



One single support (rectangular and square) compatible with all the plates of the Chorus range, without any need for additional adapters. The front coupling on the devices means quick, easy assembly and release without needing to remove the frame.

ERGONOMICS AND DESIGN



The wide range of component customisation possibilities, in terms of colour and modularity, guarantees a wealth of design and ergonomic solutions for every context. Four different colours, three different finishes: glossy white and ivory, satin black and painted titanium guarantee the perfect combination of component and plate.

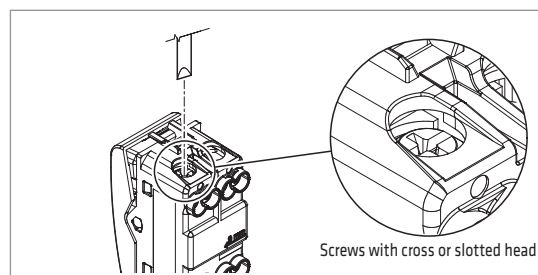
DOMESTIC RANGES

General characteristics

| TECHNICAL DATA AND REFERENCE STANDARDS | | | | | | | |
|--|---------------------------|--------------------------------|----------------------------|--------------------------------------|--|--------------------------------------|---------------------|
| Component | Reference standards | Essential electrical data* | | | Prolonged operation (no. of position changes) | Resistance to abnormal heat and fire | |
| | | Resistance at test voltage (V) | Insulation resistance (MΩ) | Breaking capacity or category of use | | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
| Commands | EN 60669-1 | 2000 at 50 Hz for 1 minute | > 5 | 1.25 In (200 position changes) | 40,000 at In 250V~ cosφ = 0.6 | 125 | 850 |
| Italian Std. socket-outlets | IEC 60884-1 | | | 1.25 In (100 position changes) | 10,000 at In 250V~ cosφ = 0.8 | | |
| International Std. socket-outlets | IEC 60884-1 | | | 1.25 In (100 position changes) | 10,000 at In 250V~ cosφ = 0.8 | | |
| Latching relays | EN 60669-1 / EN 60669-2-2 | | | | 40,000 at In 250V~ cosφ = 0.6 | | |
| Momentary relays | EN 60669-1 / EN 60669-2-2 | | 2** ÷ 5 | 1.25 In (200 position changes) | | | |
| Miniature circuit breakers | EN 60898-1 | | | 3KA | 8,000 | | |
| Residual current circuit breaker with overcurrent protection | EN 61009-1 / EN 61008-1 | | | 3KA | 4,000 | | |
| Supports and plates | EN 60669-1 | - | - | - | - | 70 | 650 |

* For rated voltages and currents, see the specifications for the individual codes. ** The value of 2 MΩ refers to a special condition established by the Standards given alongside.

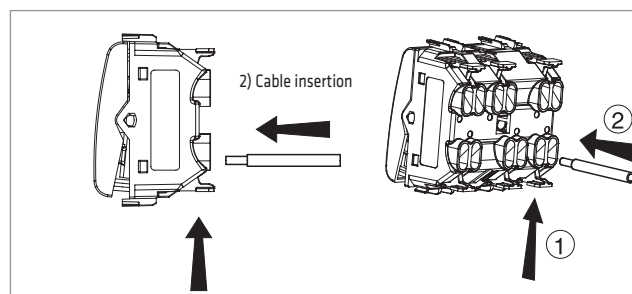
Characteristics of screw terminals



The terminals, located in the rear part of the devices, are manoeuvrable even after coupling the component to the support, and are suitable for both flexible and rigid cables. The components are supplied with the screws of the terminals open, to reduce wiring times.

| TECHNICAL DATA | | | |
|---------------------------------|-----------------------------|-----------------------------|-------------------------------|
| Terminal grip on cable traction | | | >50N |
| TERMINAL TIGHTENING CAPACITY | | | |
| Flexible wires | | Rigid wires | |
| Minimum 0.75 mm ² | Maximum 2x4 mm ² | Minimum 0.5 mm ² | Maximum 2x2.5 mm ² |


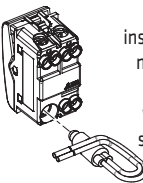
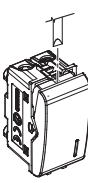
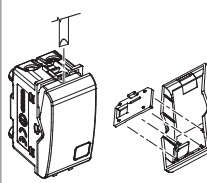

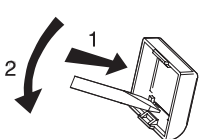
Characteristics of spring terminals (quick wiring)







The spring terminals allow you to carry out the wiring in a shorter time, and without using screwdrivers or other tools. To insert the cable, it is necessary to press the orange lever (opening of terminal). Releasing the lever, the terminal closes automatically, firmly blocking the cable.

| TECHNICAL DATA | | | |
|---------------------------------|-----------------------------|-----------------------------|-------------------------------|
| Terminal grip on cable traction | | | >50N |
| TERMINAL TIGHTENING CAPACITY | | | |
| Flexible wires | | Rigid wires | |
| Minimum 0.75 mm ² | Maximum 2x4 mm ² | Minimum 0.5 mm ² | Maximum 2x2.5 mm ² |

Characteristics of signalling and night-time localisation devices

| Type of coupling | Illuminated devices | Substitution of the button key | Substitution of the signalling lens for functional signalling | Interchangeability of the 22x22mm button keys | |
|--|--|---|---|---|--|
|  <p>The front coupling of the Chorus devices makes the support assembly and release operations quick and easy, without the necessity to remove the support.</p> |  <p>Seat for insertion of miniature lamps with LED signalling units</p> |  |  |  <p>Replacing a button key</p> |  <p>Substitution of diffuser and personalised label</p> |

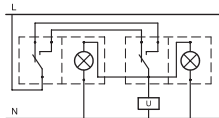
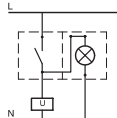
Backlighting of command devices

| Type | Use | Applications | Type | Use | Applications |
|--|--|--|---|--|--|
|  <p>Lighting for localisation purposes</p> | Permits the identification of the command button in the dark, or the indication of the ON/OFF status of a lighting circuit | General services of a building complex (stair lights, entrances, etc.) Public entertainment premises Bedrooms Corridors |  <p>Diffuser 22x22mm</p> | Permits the identification of the ON/OFF status of a service or lighting circuit from a distance. The signalling is clearly visible from the front | Signalling of lights coming on outside the place where the command device is installed |
|  <p>Lighting for signalling</p> | Permits the identification of the command button, and its specific function, in the dark | General services Indoor systems for offices, shops, warehouses. Hotel facilities Hospitals and nursing homes |  <p>Push-buttons with illuminated name plate</p> | Permits the identification of the command button in the dark, and the reading of the name on the label, even in poorly lit areas | Push-button for call circuits in homes and offices |

Examples of function and location lighting

To indicate the operating status of services not visible from the command position

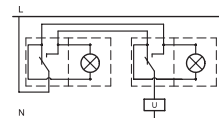
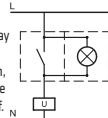
The indicator lamp is located parallel to the service, and is switched on when the one-way switch is ON. The indicator lamp follows the ON/OFF status of the service.



The two indicator lamps and the service are placed in parallel, therefore they switch on and off together with the service

To locate the command key in the dark

The indicator lamp is switched on when the one-way switch is OFF. With the one-way switch in the ON position, the service is powered and the indicator lamp is switched off.









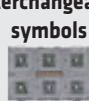








The two indicator lamps come on when the service is not powered and go off when it is ON.

NOTE: layouts not suitable for commanding compact energy saving lamps and/or relays

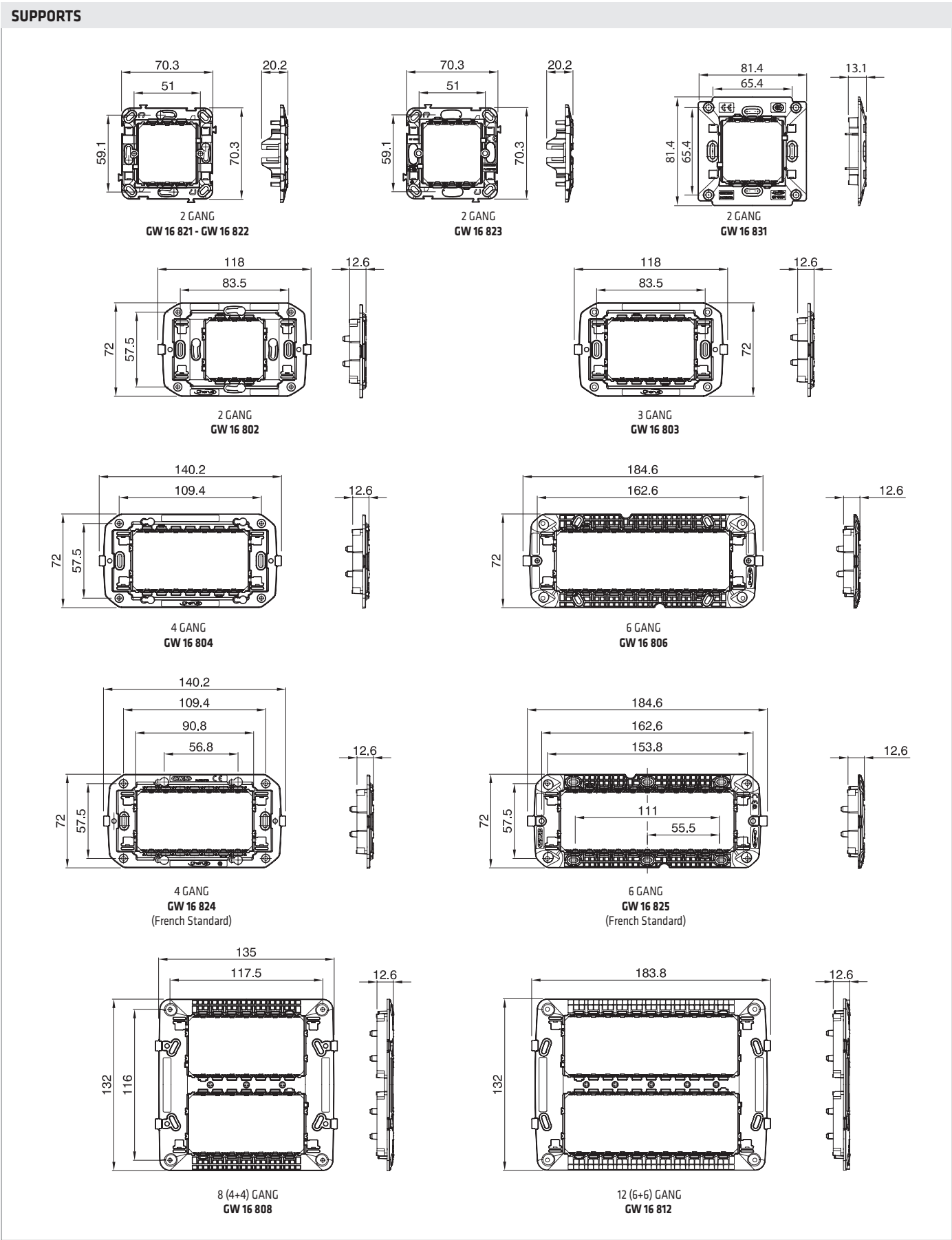
Degree of protection of the set of CHORUS domestic range devices installed

| Component | Installation | Reference standard | IP rating |
|---|--|--------------------|---|
| Devices with closed front (commands, bells, indicators, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in self-supporting boxes | Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard | EN60529 | 41 |
| Devices with open front (socket-outlets, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in self-supporting boxes | Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard. Suitable for use for zone 3 of rooms containing baths or showers. | | X1 (in case of socket-outlets it is 21) |
| Devices with open front (socket-outlets, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in self-supporting boxes | Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard with plug inserted | | 4X |

Combination of modular devices and plates

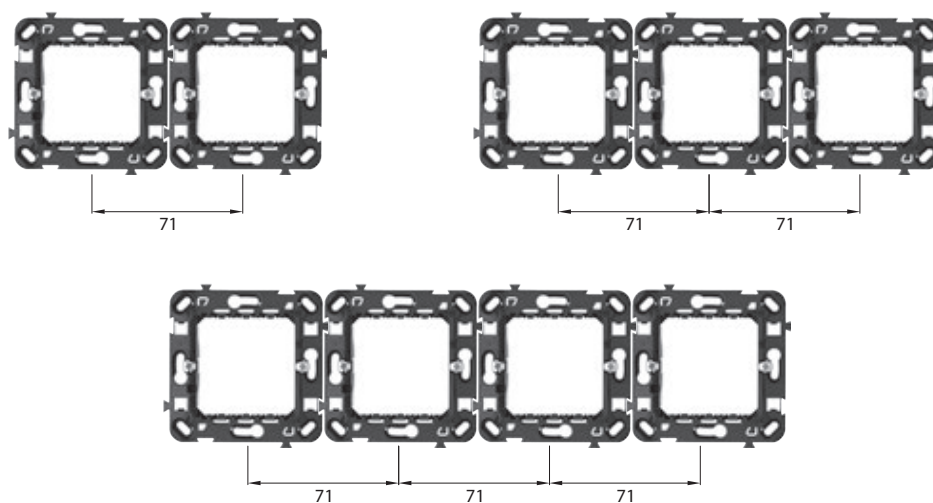
| Plates | | | Modular devices | | | | | | |
|--------|---|---|---|---|---|---|---|---|----------------------------------|
| | | | Conventional commands | Electronic push-buttons | Touch commands | Socket-outlets / other devices | Touch command modules | | |
| | | | | | | | Conventional | KNX | KNX with interchangeable symbols |
| | |  |  |  |  |  |  |  | |
| ONE |  | ✓ | ✓ | ✓ | ✓ | - | - | - | |
| GEO |  | ✓ | ✓ | ✓ | ✓ | - | - | - | |
| LUX |  | ✓ | ✓ | ✓ | ✓ | - | - | - | |
| ART |  | ✓ | ✓ | ✓ | ✓ | - | - | - | |
| ICE | ICE |  | ✓ | ✓ | ✓ | ✓ | - | - | - |
| | ICE Touch (1, 2 or 3 printed symbols) |  | - | - | - | - | ✓ | - | - |
| | ICE Touch KNX (2, 4 or 6 printed symbols) |  | - | - | - | - | - | ✓ | - |
| | ICE Touch KNX |  | - | - | - | - | - | - | ✓ |

Dimension tables

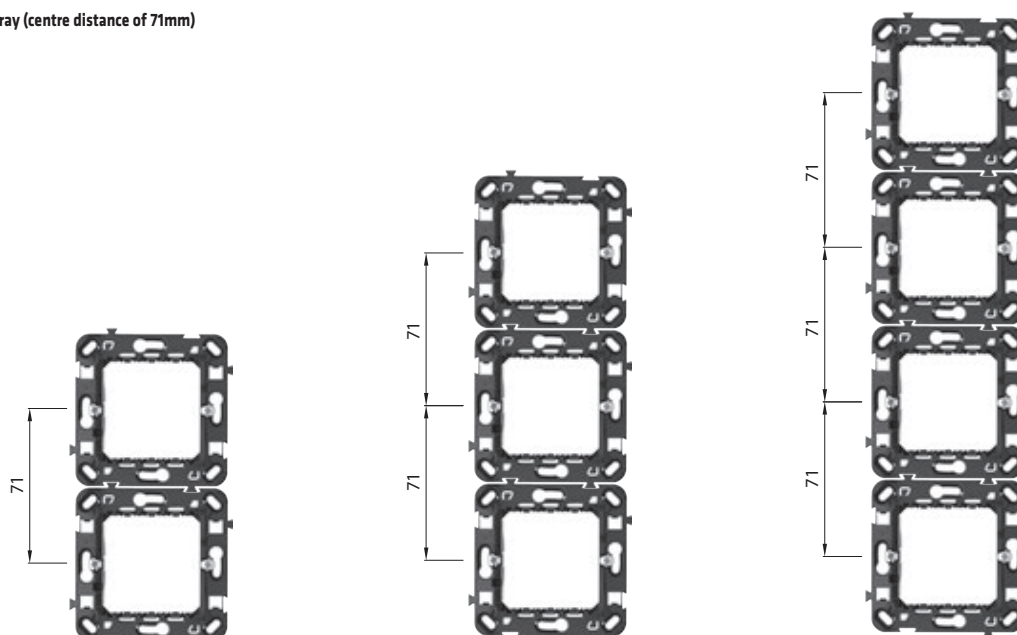


ARRAY OF SUPPORTS FOR INTERNATIONAL PLATES

Horizontal array (centre distance of 71mm)

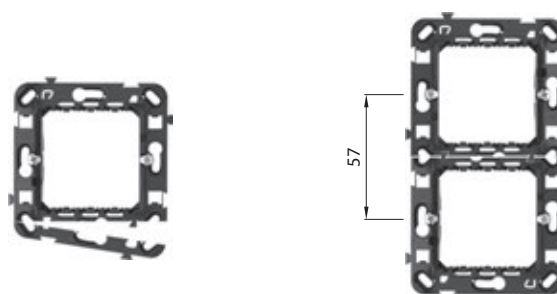


Vertical array (centre distance of 71mm)

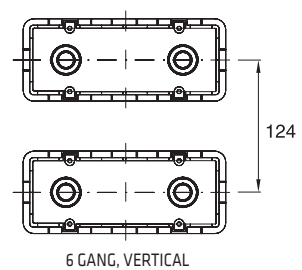
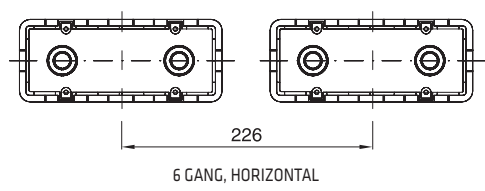
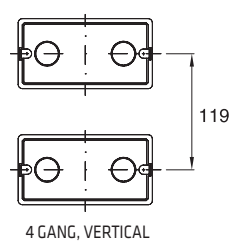
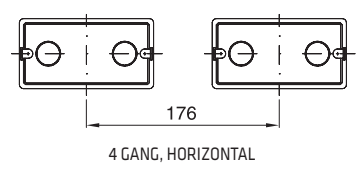
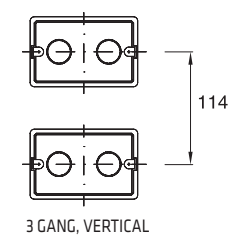
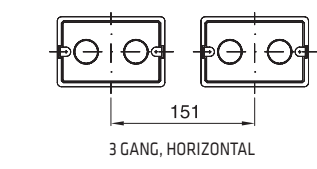


Vertical array (centre distance of 57mm)

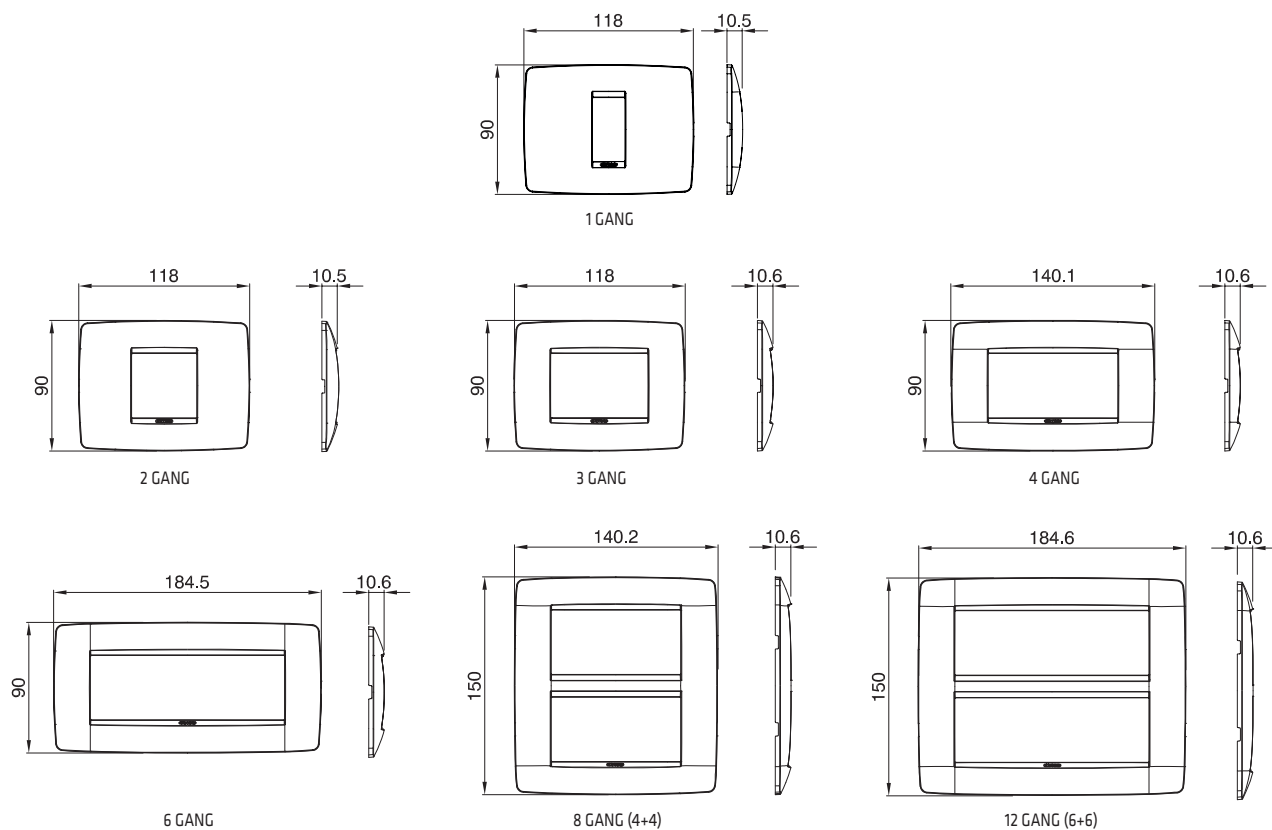
The square supports
GW 16 821, GW 16 822, GW 16 823,
thank to the knockouts,
can be also put side by side
with a centre distance of 57mm.



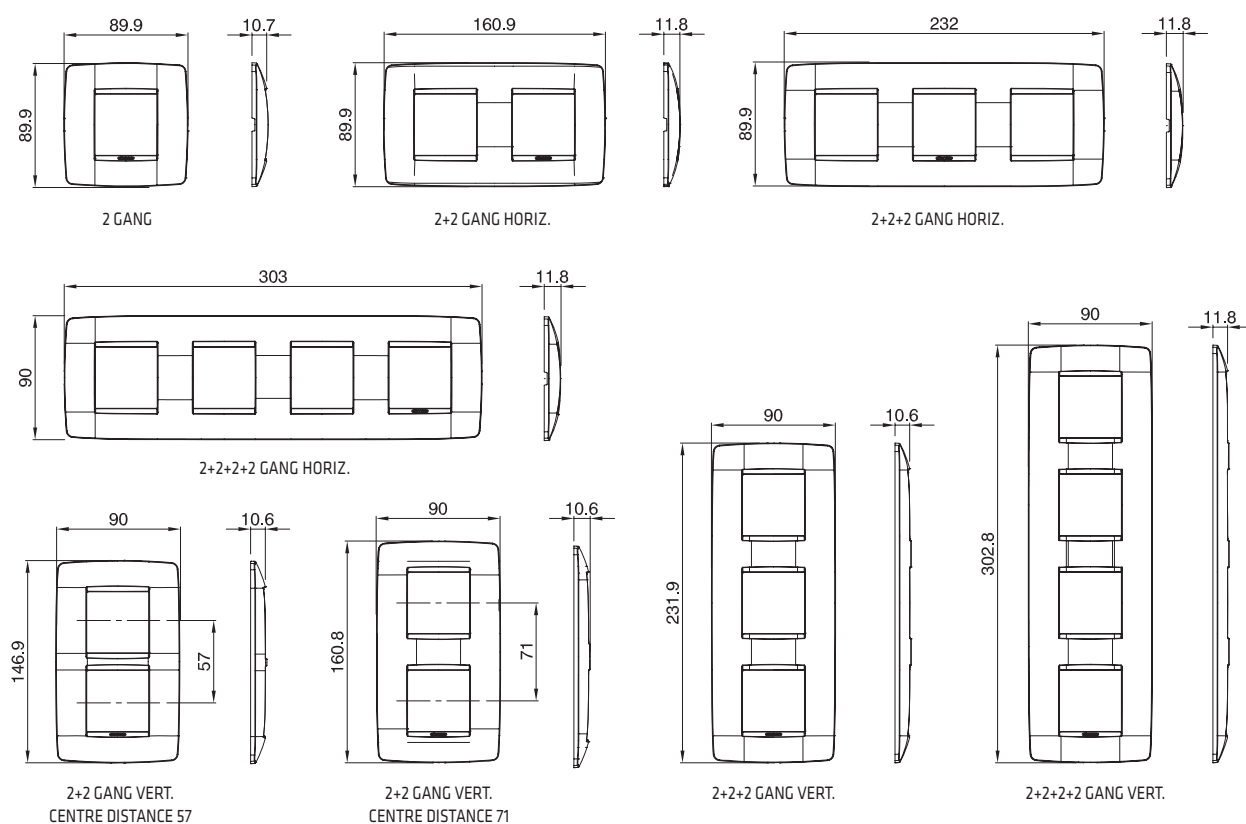
CENTRE DISTANCE OF BOXES FOR THE CORRECT FIXING OF THE CHORUS ONE, GEO, LUX AND ART PLATES
(MINIMUM RECOMMENDED DISTANCES)



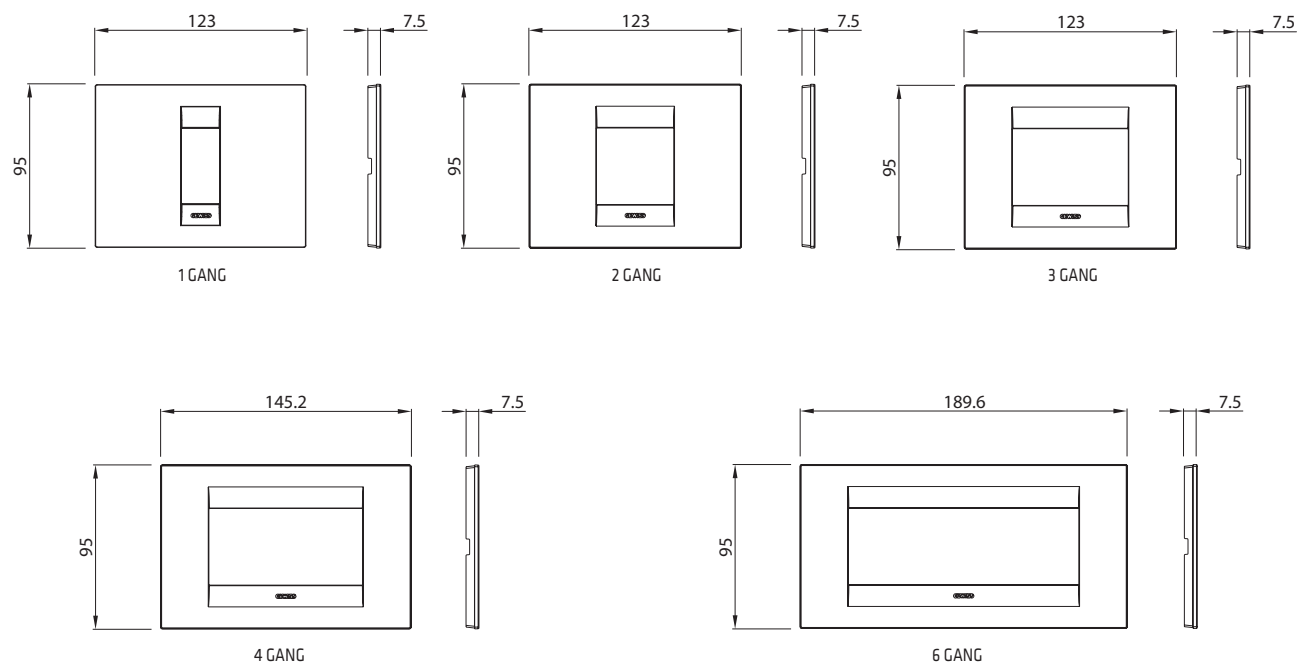
ONE PLATES



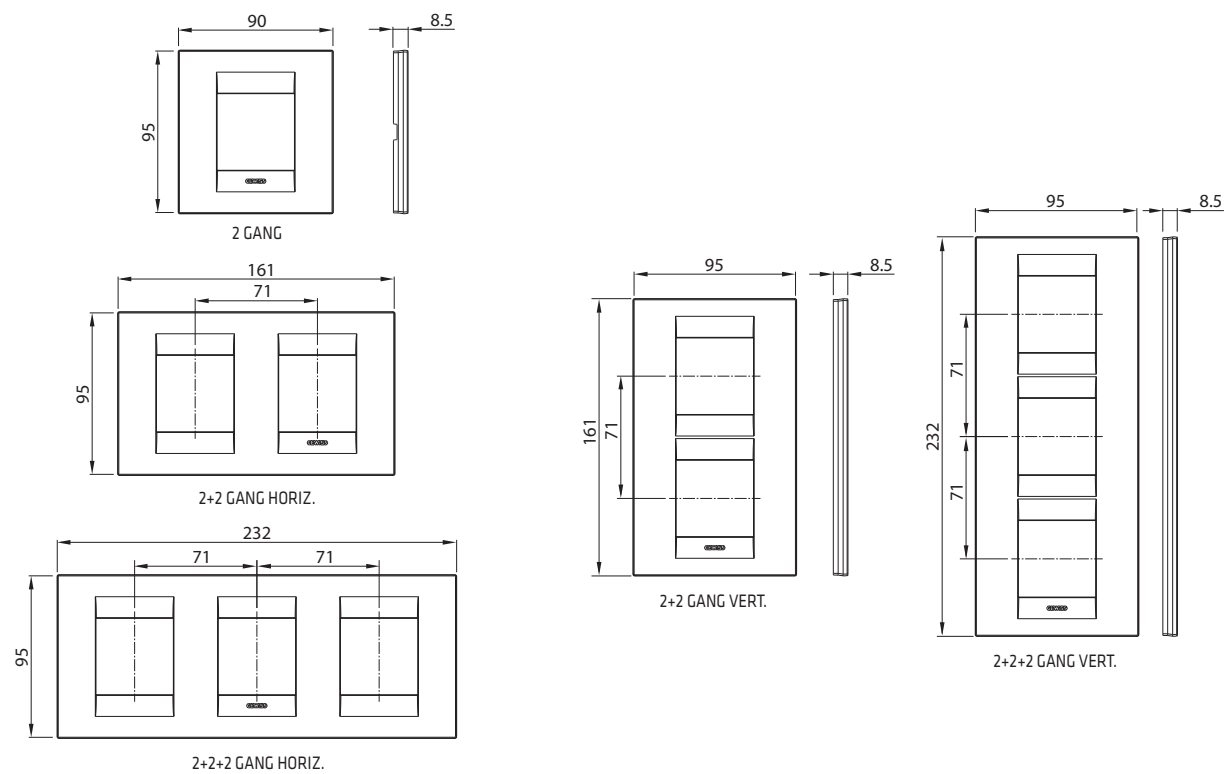
ONE INTERNATIONAL PLATES



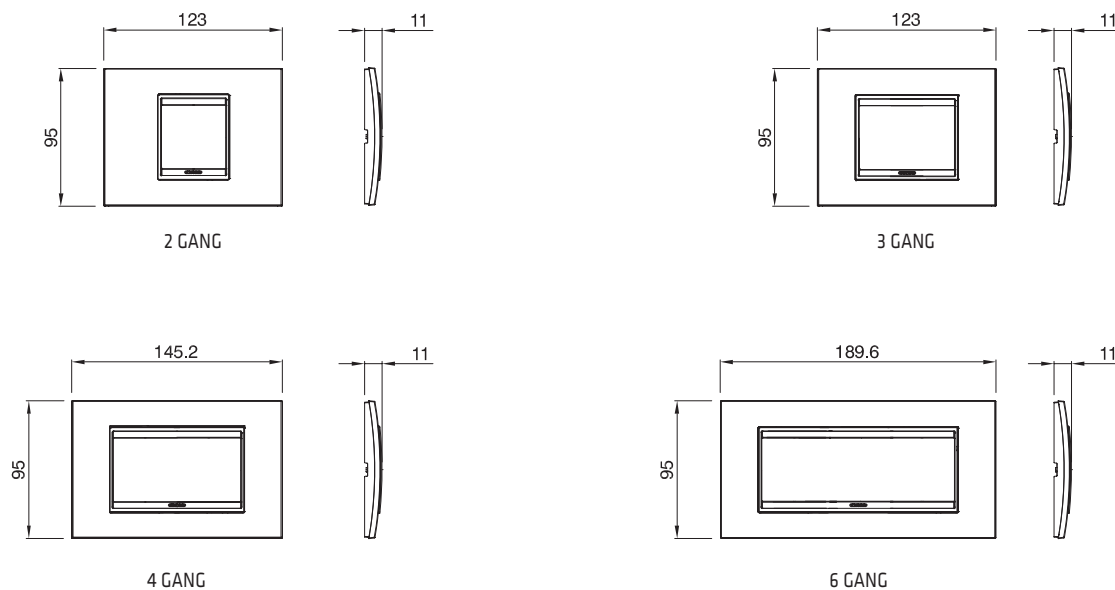
GEO PLATES



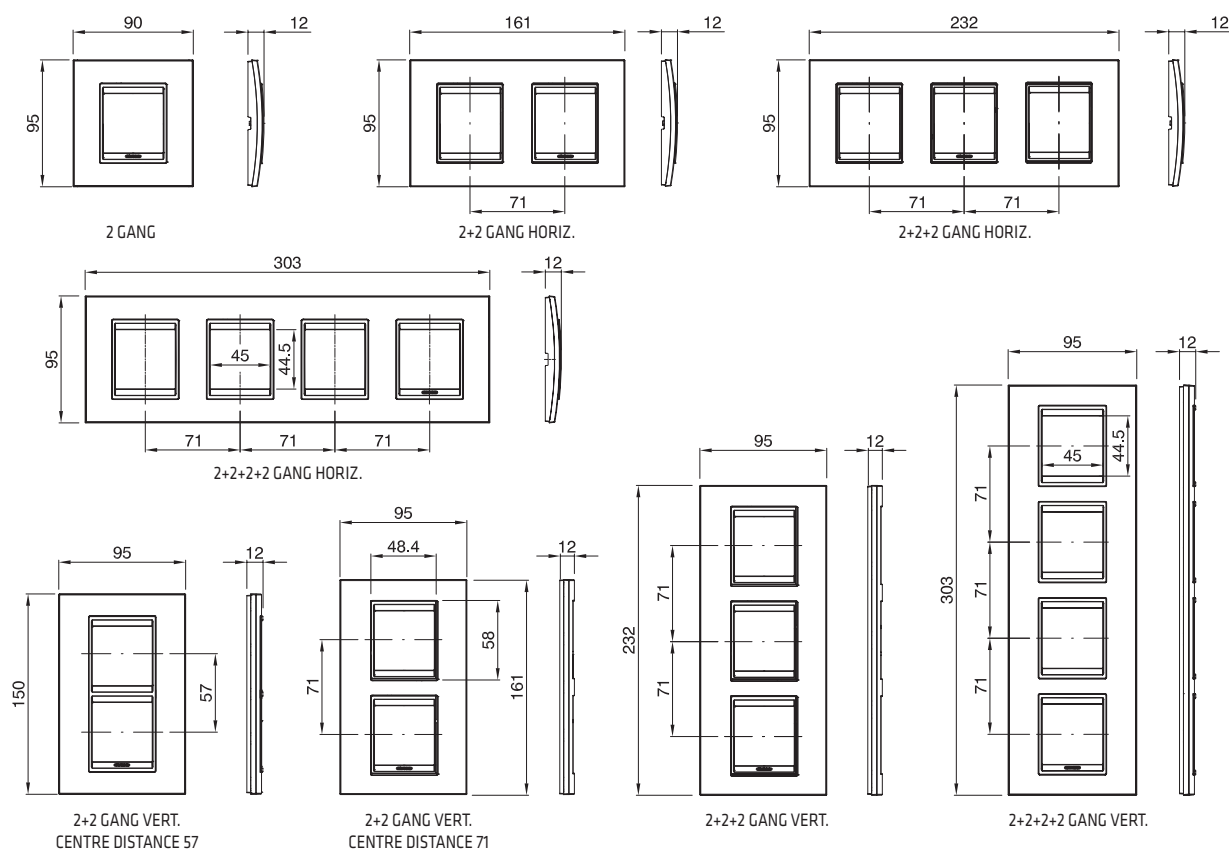
GEO INTERNATIONAL PLATES



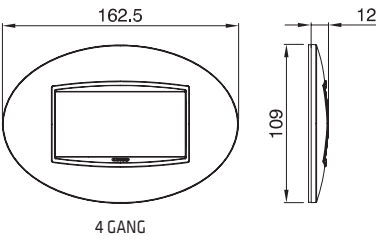
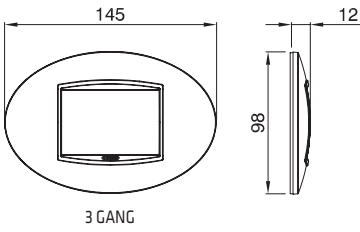
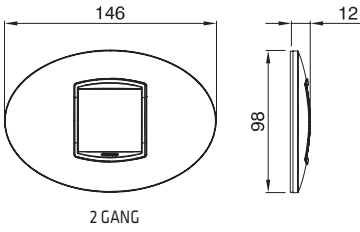
LUX PLATES



LUX INTERNATIONAL PLATES

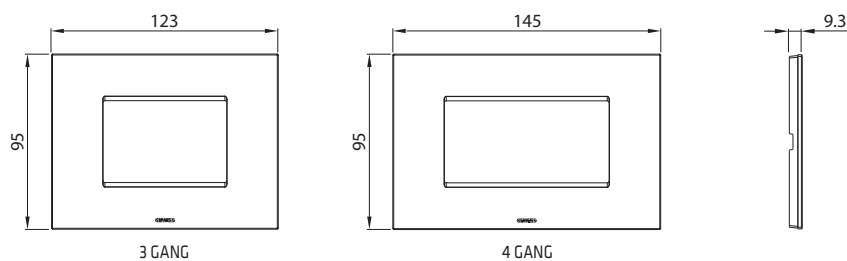


ART PLATES

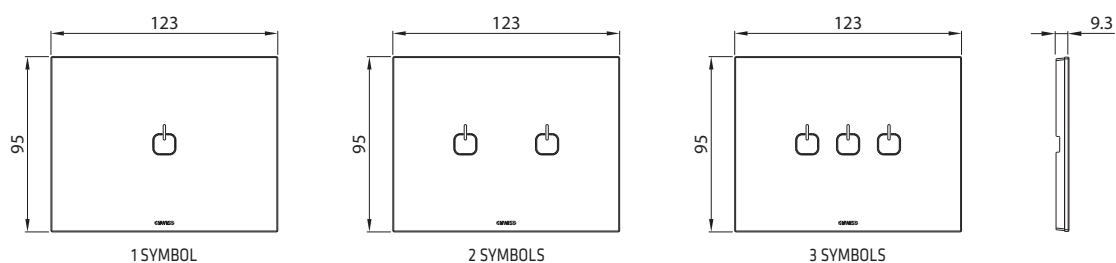


ICE PLATES

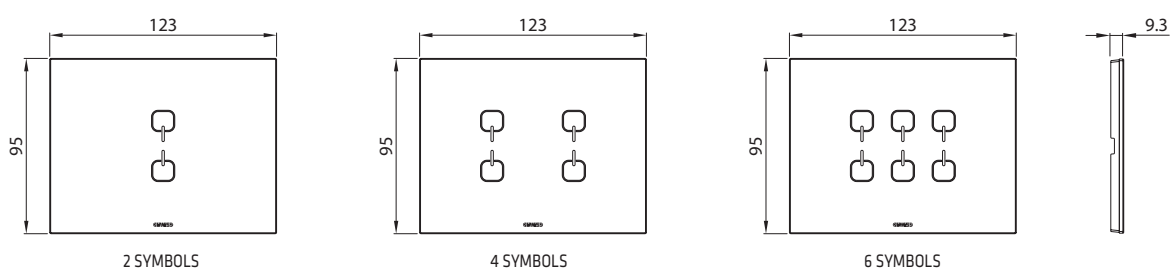
ICE plates



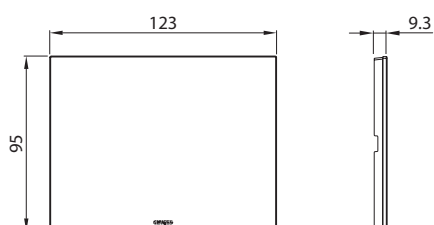
ICE touch plates with printed symbols



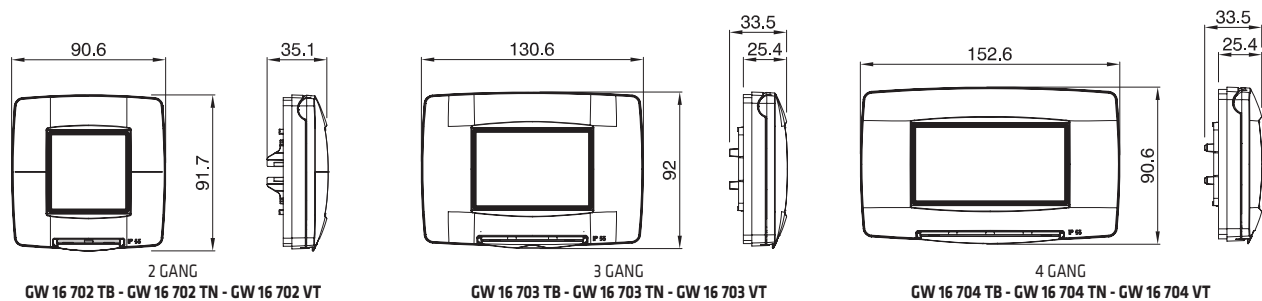
ICE touch KNX plates with printed symbols



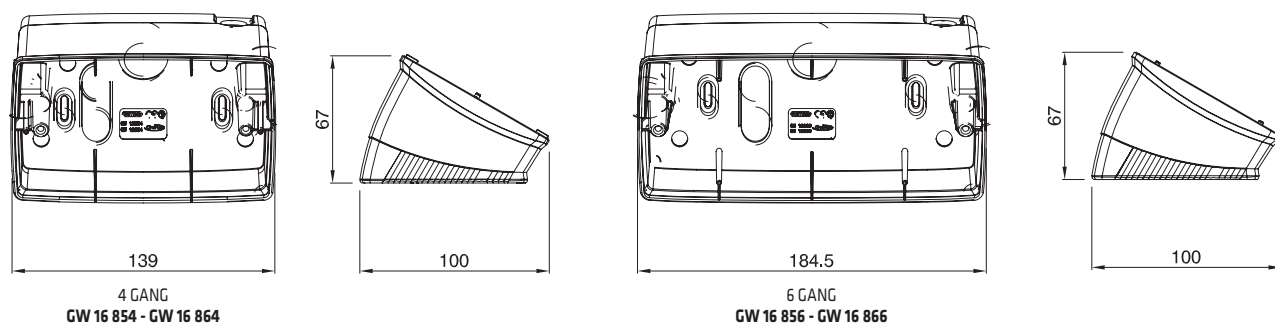
ICE touch KNX plates (for push-button panels modules with interchangeable symbols)



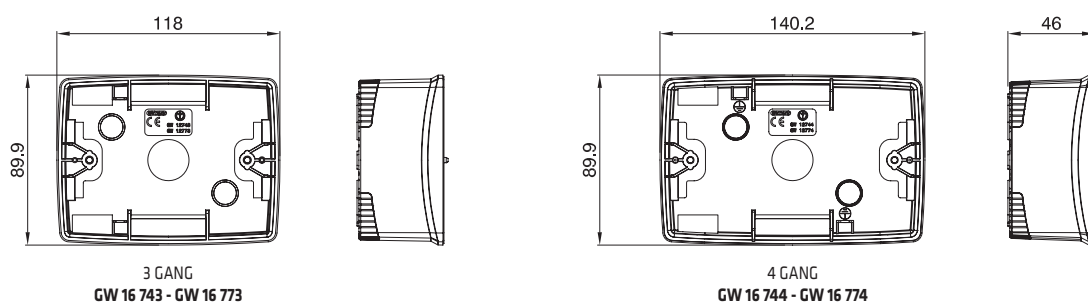
WATERTIGHT PLATES - IP55



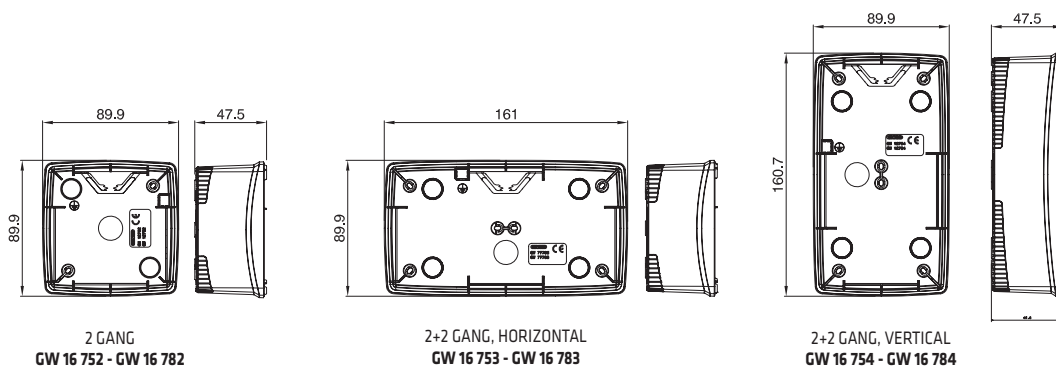
FREE-STANDING PANELS - SUITABLE FOR ONE PLATES



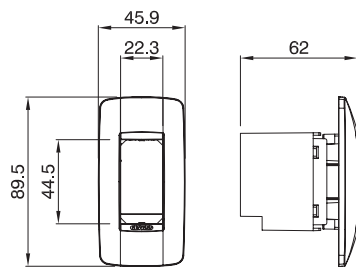
WALL-MOUNTING BOXES - SUITABLE FOR ONE PLATES



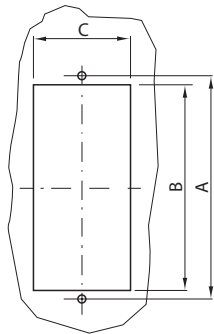
WALL-MOUNTING BOXES - SUITABLE FOR ONE INTERNATIONAL PLATES



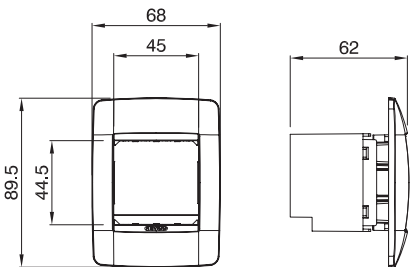
SELF-SUPPORTING PLATES FOR PROFILES AND PANELS



1 GANG
GW 16 711 TB - GW 16 711 TN - GW 16 711 VT



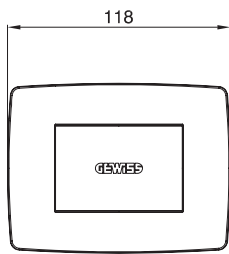
DIMENSIONS OF THE OPENING



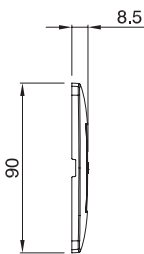
2 GANG
GW 16 712 TB - GW 16 712 TN - GW 16 712 VT

| Code | A | B | C |
|--------------|----|----|------|
| GW 16 711 TB | 67 | 54 | 31.5 |
| GW 16 711 TN | | | |
| GW 16 711 VT | | | |
| GW 16 712 TB | 67 | 54 | 56.5 |
| GW 16 712 TN | | | |
| GW 16 712 VT | | | |

BLANK PLATES

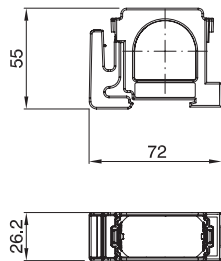


3 GANG
GW 16 723 TB - GW 16 723 TN

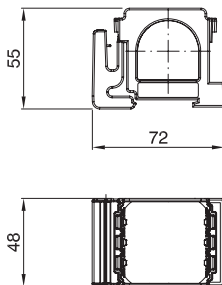


4 GANG
GW 16 724 TB - GW 16 724 TN

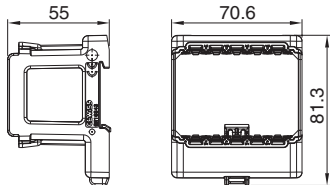
DIN RAIL SUPPORT



1 module
GW 16 841

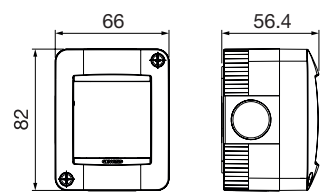


2 modules
GW 16 842

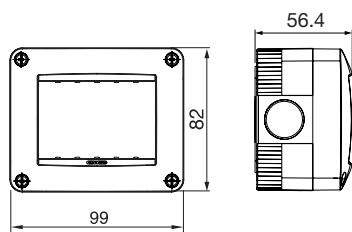


3 modules
GW 16 843

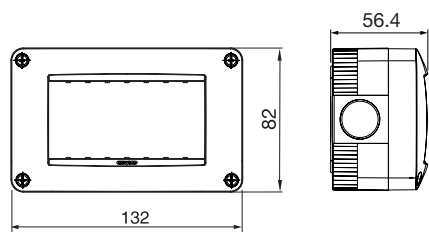
SELF-SUPPORTING, EMPTY, PROTECTED CONTAINERS - IP40



2 GANG
GW 16 502

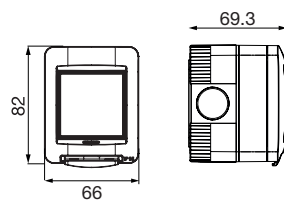


3 GANG
GW 16 503

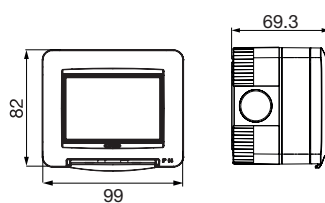


4 GANG
GW 16 504

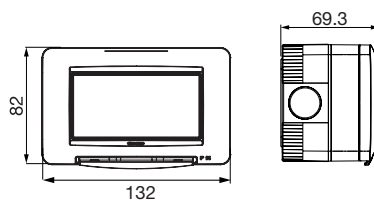
SELF-SUPPORTING, EMPTY, WATERTIGHT CONTAINERS - IP55
















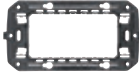











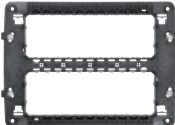







2 GANG
GW 16 512



3 GANG
GW 16 513



4 GANG
GW 16 514

| | FLUSH-MOUNTING BOXES | SUPPORTS | DEVICES |
|------|---|---|---|
| 3M | <div> GW 24 403</div> <div> GW 24 403 PM</div> | <div> GW 16 802</div> <div> GW 16 803</div> | <div></div> <div></div> <div></div> <div> GW 10 907 - GW 10 908 - GW 10 909</div> <div> GW 10 741 - GW 10 746</div> <div> GW A9 421 - GW A9 471</div> |
| 4M | <div> GW 24 404</div> <div> GW 24 404 PM</div> | <div> GW 16 804</div> <div> GW 16 824</div> | <div></div> |
| 6M | <div> GW 24 406</div> <div> GW 24 406 PM</div> | <div> GW 16 806</div> <div> GW 16 825</div> | <div></div> |
| 4+4M | <div> GW 24 237</div> <div> GW 24 237 PM</div> | <div> GW 16 808</div> | <div></div> |
| 6+6M | <div> GW 24 238</div> | <div> GW 16 812</div> | <div></div> |
| 2M | <div> GW 24 231</div> <div> GW 24 232</div> <div> GW 24 234 PM</div> | <div> GW 16 802</div> | <div></div> <div></div> |

PLATES



ONE
GW 16 101 xx



GEO
GW 16 401 xx



ONE
GW 16 102 xx



GEO
GW 16 402 xx



LUX
GW 16 202 xx



ART
GW 16 302 xx



ONE
GW 16 103 xx



GEO
GW 16 403 xx



LUX
GW 16 203 xx



ART
GW 16 303 xx



ICE
GW 16 903 xx



ICE TOUCH
GW 16 951 xx



GEO
GW 16 952 xx



LUX
GW 16 953 xx



ICE TOUCH KNX
GW 16 962 xx



GEO
GW 16 964 xx



LUX
GW 16 966 xx



ICE TOUCH KNX (for push-button panel modules with interchangeable icons)
GW 16 946 xx



GW 16 946 xx



ONE
GW 16 104 xx



GEO
GW 16 404 xx



LUX
GW 16 204 xx



ART
GW 16 304 xx



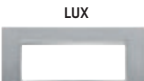
ICE
GW 16 904 xx



ONE
GW 16 106 xx



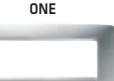
GEO
GW 16 406 xx



LUX
GW 16 206 xx



ONE
GW 16 108 xx



ONE
GW 16 112 xx



ONE
GW 16 101 xx



GEO
GW 16 401 xx



ONE
GW 16 102 xx
















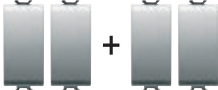












GEO
GW 16 402 xx



LUX
GW 16 202 xx



ART
GW 16 302 xx

| | FLUSH-MOUNTING BOXES | SUPPORTS | DEVICES |
|---------------------|---|---|--|
| 2M | <div> GW 24 231</div> <div> GW 24 234 PM</div> <div> GW 24 232</div> <div> GW 24 208</div> <div> GW 24 209</div> | <div> GW 16 822</div> <div> GW 16 821 - GW 16 823</div> | <div></div> |
| 2+2M HORIZONTAL | <div> 2 x GW 24 231</div> <div> 2 x GW 24 234 PM</div> <div> 2 x GW 24 232</div> | <div> 2 x GW 16 822</div> <div> 2 x GW 16 821 - GW 16 822 - GW 16 823</div> | <div></div> |
| 2+2+2M HORIZONTAL | <div> 3 x GW 24 231</div> <div> 3 x GW 24 234 PM</div> <div> 3 x GW 24 232</div> | <div> 3 x GW 16 822</div> <div> 3 x GW 16 821 - GW 16 822 - GW 16 823</div> | <div></div> |
| 2+2+2+2M HORIZONTAL | <div> 4 x GW 24 231</div> <div> 4 x GW 24 234 PM</div> <div> 4 x GW 24 232</div> | <div> 4 x GW 16 822</div> <div> 4 x GW 16 821 - GW 16 822 - GW 16 823</div> | <div></div> |

PLATES

DOMESTIC RANGES

ONE
INTERNATIONAL



GW 16 122 xx

GEO
INTERNATIONAL



GW 16 422 xx

LUX
INTERNATIONAL



GW 16 222 xx

ONE
INTERNATIONAL



GW 16 123 xx

GEO
INTERNATIONAL



GW 16 423 xx

LUX
INTERNATIONAL



GW 16 223 xx

ONE
INTERNATIONAL



GW 16 126 xx

GEO
INTERNATIONAL



GW 16 426 xx

LUX
INTERNATIONAL



GW 16 226 xx

ONE
INTERNATIONAL



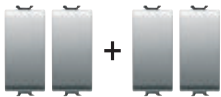
























GW 16 128 xx

LUX
INTERNATIONAL



GW 16 228 xx

| | FLUSH-MOUNTING BOXES | SUPPORTS | DEVICES |
|--------------------|--|---|--|
| 2+2M VERTICAL 57MM | <div> GW 24 282 PM</div> | <div> 2 x GW 16 822 (*)</div> <div>(*) Couple two supports GW 16 822 vertically by breaking off the removable wings on each one.</div> | <div> + </div> |
| 2+2M VERTICAL | <div><div> 2 x GW 24 231</div><div> 2 x GW 24 234 PM</div><div> 2 x GW 24 232</div></div> | <div> 2 x GW 16 822</div> <div> 2 x GW 16 821 - GW 16 822 - GW 16 823</div> | <div> + </div> |
| 2+2+2M VERTICAL | <div><div> 3 x GW 24 231</div><div> 3 x GW 24 234 PM</div><div> 3 x GW 24 232</div></div> | <div> 3 x GW 16 822</div> <div> 3 x GW 16 821 - GW 16 822 - GW 16 823</div> | <div> +  + </div> |
| 2+2+2+2M VERTICAL | <div><div> 4 x GW 24 231</div><div> 4 x GW 24 234 PM</div><div> 4 x GW 24 232</div></div> | <div> 4 x GW 16 822</div> <div> 4 x GW 16 821 - GW 16 822 - GW 16 823</div> | <div> +  +  + </div> |

PLATES

ONE
INTERNATIONAL



GW 16 125 TB

LUX
INTERNATIONAL



GW 16 225 TB

ONE
INTERNATIONAL



GW 16 124 xx

GEO
INTERNATIONAL



GW 16 424 xx

LUX
INTERNATIONAL



GW 16 224 xx

ONE
INTERNATIONAL



GW 16 127 xx

GEO
INTERNATIONAL



GW 16 427 xx

LUX
INTERNATIONAL



GW 16 227 xx

ONE
INTERNATIONAL



GW 16 129 xx

LUX
INTERNATIONAL




GW 16 229 xx

Chorus - British Standard

GEO PLATES


Technopolymer

MILK WHITE




GW 16 436 TB 1 gang
GW 16 437 TB 2 gang

IVORY




GW 16 436 TI 1 gang
GW 16 437 TI 2 gang

TITANIUM



GW 16 436 VT 1 gang
GW 16 437 VT 2 gang


SLATE




GW 16 436 VA 1 gang
GW 16 437 VA 2 gang

Painted technopolymer

Modularity



1 gang



2 gang

LUX PLATES

Technopolymer

MILK WHITE



GW 16 236 TB 1 gang
GW 16 237 TB 2 gang

MONOCHROME MILK WHITE



GW 16 236 YB 1 gang
GW 16 237 YB 2 gang

TONER BLACK



GW 16 236 TN 1 gang
GW 16 237 TN 2 gang

CHROME



GW 16 236 MC 1 gang
GW 16 237 MC 2 gang

GOLD




GW 16 236 MO 1 gang
GW 16 237 MO 2 gang

Metallised technopolymer


Technopolymer - Wood finish

MAPLE




GW 16 236 LA 1 gang
GW 16 237 LA 2 gang

WENGE



GW 16 236 LW 1 gang
GW 16 237 LW 2 gang


CHERRY



GW 16 236 LC 1 gang
GW 16 237 LC 2 gang

Technopolymer - Stone finish


SAND



GW 16 236 RS 1 gang
GW 16 237 RS 2 gang


Metal

BLACK ALUMINIUM



GW 16 236 MA 1 gang
GW 16 237 MA 2 gang


BRUSHED STAINLESS STEEL



GW 16 236 MI 1 gang
GW 16 237 MI 2 gang


Glass

ICE



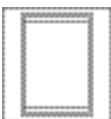
GW 16 236 CG 1 gang
GW 16 237 CG 2 gang

AQUAMARINE




GW 16 236 CA 1 gang
GW 16 237 CA 2 gang

Modularity







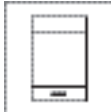

1 gang






2 gang





GEO PLATES


| Technopolymer | MILK WHITE | IVORY | Painted technopolymer | TITANIUM | SLATE |
|---------------|---|---|-----------------------|---|---|
| |  |  | |  |  |
| | GW 16 422 TB 1 gang GW 16 406 TB 2 gang | GW 16 422 TI 1 gang GW 16 406 TI 2 gang | | GW 16 422 VT 1 gang GW 16 406 VT 2 gang | GW 16 422 VA 1 gang GW 16 406 VA 2 gang |

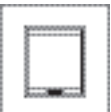

| Modularity |  |  |
|------------|---|---|
| | 1 gang | 2 gang - 5 module |

LUX PLATES

| Technopolymer | MILK WHITE | MONOCHROME MILK WHITE | TONER BLACK | Metallised technopolymer | CHROME | GOLD |
|---------------|--|--|--|--------------------------|--|--|
| |  |  |  | |  |  |
| | GW 16 222 TB 1 gang GW 16 206 TB 2 gang | GW 16 222 YB 1 gang GW 16 238 YB 2 gang | GW 16 222 TN 1 gang GW 16 206 TN 2 gang | | GW 16 222 MC 1 gang GW 16 206 MC 2 gang | GW 16 222 MO 1 gang GW 16 206 MO 2 gang |

| Technopolymer - Wood finish | MAPLE | WENGE | CHERRY | Technopolymer - Stone finish | SAND |
|-----------------------------|---|---|---|------------------------------|---|
| |  |  |  | |  |
| | GW 16 222 LA 1 gang GW 16 238 LA 2 gang | GW 16 222 LW 1 gang GW 16 238 LW 2 gang | GW 16 222 LC 1 gang GW 16 238 LC 2 gang | | GW 16 222 RS 1 gang GW 16 238 RS 2 gang |

| Metal | BLACK ALUMINIUM | BRUSHED STAINLESS STEEL | Glass | ICE | AQUAMARINE |
|-------|---|---|-------|---|---|
| |  |  | |  |  |
| | GW 16 222 MA 1 gang GW 16 238 MA 2 gang | GW 16 222 MI 1 gang GW 16 238 MI 2 gang | | GW 16 222 CG 1 gang GW 16 206 CG 2 gang | GW 16 222 CA 1 gang GW 16 238 YB 2 gang |

| Modularity |  |  |
|------------|---|---|
| | 1 gang | 2 gang - 5 module |

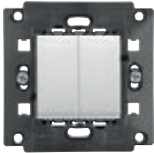
Chorus - British Standard

COMMAND - WHITE

One-way switches



CW 10 038
1P - 16 AX - 1 gang



CW 10 012
1P - 16 AX - 2 gang



CW 10 045 M
1P - 10 AX - 3 gang

DP switches



CW 10 008 M
2P - 20 A - 1 gang
Backlit



CW 10 009 M
2P - 20 A - 1 gang
Water Heater - Backlit



CW 10 011 M
2P - 45 A - 1 gang
Backlit

Two-way switches



CW 10 075
1P - 16 AX - 1 gang



CW 10 056
1P - 16 AX - 2 gang



CW 10 085 M
1P - 10 AX - 3 gang

POWER - WHITE

Switched socket-outlets



CW 10 336 M
2P+E-13 A-250 V ac



CW 10 337 M
2P+E-13 A-250 V ac
Backlit



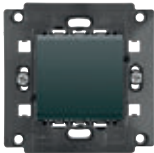
CW 10 338 M
2P+E-13 A-250 V ac
Twin



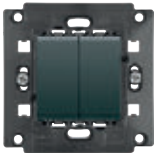
CW 10 339 M
2P+E-13 A-250 V ac
Twin - Backlit

COMMAND - BLACK

One-way switches



CW 12 038
1P - 16 AX - 1 gang



CW 12 012
1P - 16 AX - 2 gang



CW 12 045 M
1P - 10 AX - 3 gang

DP switches



CW 12 008 M
2P - 20 A - 1 gang
Backlit

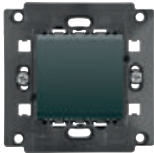


CW 12 009 M
2P - 20 A - 1 gang
Water Heater - Backlit



CW 12 011 M
2P - 45 A - 1 gang
Backlit

Two-way switches



CW 12 075
1P - 16 AX - 1 gang



CW 12 056
1P - 16 AX - 2 gang



CW 12 085 M
1P - 10 AX - 2 gang

POWER - BLACK

Switched socket-outlets



CW 12 336 M
2P+E-13 A-250 V ac



CW 12 337 M
2P+E-13 A-250 V ac
Backlit




CW 12 338 M
2P+E-13 A-250 V ac
Twin




CW 12 339 M
2P+E-13 A-250 V ac
Twin - Backlit

COMMAND - TITANIUM

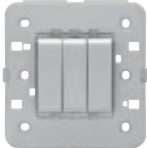
One-way switches



GW 14 038
1P - 16 AX - 1 gang




GW 14 012
1P - 16 AX - 2 gang




GW 14 045 M
1P - 10 AX - 3 gang


DP switches



GW 14 008 M
2P - 20 A - 1 gang
Backlit




GW 14 009 M
2P - 20 A - 1 gang
Water Heater - Backlit




GW 14 011 M
2P - 45 A - 1 gang
Backlit

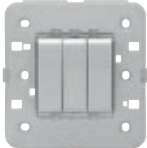
Two-way switches



GW 14 075
1P - 16 AX - 1 gang




GW 14 056
1P - 16 AX - 2 gang




GW 14 085 M
1P - 10 AX - 3 gang

POWER - TITANIUM


Switched socket-outlets




GW 14 336 M
2P+E-13 A-250 V ac



GW 14 337 M
2P+E-13 A-250 V ac
Backlit




GW 14 338 M
2P+E-13 A-250 V ac
Twin



GW 14 339 M
2P+E-13 A-250 V ac
Twin - Backlit


SUPPORTS FOR CHORUS MODULAR DEVICES

Support for BS 1 gang box



GW 16 831 - 1 gang


NOTE: the Chorus modular devices are characterized by depths that can vary according on their functions, so please check they properly fit in the boxes.




Chorus modular devices

Support GW 16 831


Supports for BS 2 gang box



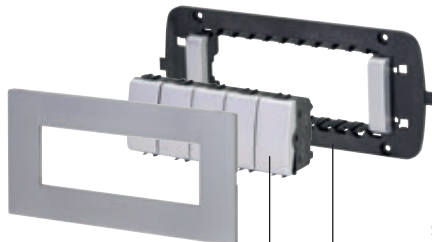
GW 16 837
2 gang - 5 module
White



GW 16 838
2 gang - 5 module
Black



GW 16 839
2 gang - 5 module
Titanium



Chorus modular devices

Support
GW 16 837,
GW 16 838
or GW 16 839

Chorus British Standard

Plates and devices

Wiring devices system characterized by its profile and shape inspired to the Chorus family feeling. Wide range of plates with an Italian design, articulated into two families, GEO and LUX plates, available in many materials and finishes. The range, developed around a core of monobloc devices, is available in three colors: glossy white, satin black, painted titanium and fits in 3x3-inches (1-gang) and 3x6-inches (2-gang) British Standard boxes. Expandable thanks to the Chorus modular devices.

Technical characteristics page 273



GEO PLATES (FOR MONOBLOC DP SWITCHES AND SWITCHED SOCKETS)

TECHNOPOLYMER



GW 16 436 TB

GEO - MILK WHITE

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 436 TB | 1 gang | 12 |
| GW 16 437 TB | 2 gang | 12 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.



GW 16 436 TI

GEO - IVORY

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 436 TI | 1 gang | 12 |
| GW 16 437 TI | 2 gang | 12 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.

PAINTED TECHNOPOLYMER



GW 16 436 VT

GEO - TITANIUM

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 436 VT | 1 gang | 12 |
| GW 16 437 VT | 2 gang | 12 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.



GW 16 436 VA

GEO - SLATE

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 436 VA | 1 gang | 12 |
| GW 16 437 VA | 2 gang | 12 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.

LUX PLATES (FOR MONOBLOC DP SWITCHES AND SWITCHED SOCKETS)

TECHNOPOLYMER



GW 16 236 TB

LUX - MILK WHITE

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 236 TB | 1 gang | 12 |
| GW 16 237 TB | 2 gang | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.



GW 16 236 YB

LUX - MONOCHROME MILK WHITE

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 236 YB | 1 gang | 12 |
| GW 16 237 YB | 2 gang | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlet.

NOTE: inner frame with the same white shade of the plate.



GW 16 236 TN

LUX - TONER BLACK

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 236 TN | 1 gang | 12 |
| GW 16 237 TN | 2 gang | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.

Chorus - British Standard

METALLISED TECHNOPOLYMER



GW 16 236 MC

LUX - CHROME

| Code | Description | Pack Carton |
|--------------|-------------|----------------|
| GW 16 236 MC | 1 gang | 12 |
| GW 16 237 MC | 2 gang | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.



GW 16 236 MO

LUX - GOLD

| Code | Description | Pack Carton |
|--------------|-------------|----------------|
| GW 16 236 MO | 1 gang | 12 |
| GW 16 237 MO | 2 gang | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.

TECHNOPOLYMER - WOOD FINISH



GW 16 236 LA

LUX - MAPLE

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 236 LA | 1 gang | 12 |
| GW 16 237 LA | 2 gang | 6 |

CHARACTERISTICS: 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.



GW 16 236 LW

LUX - WENGE

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 236 LW | 1 gang | 12 |
| GW 16 237 LW | 2 gang | 6 |

CHARACTERISTICS: 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.



GW 16 236 LC

LUX - CHERRY

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 236 LC | 1 gang | 12 |
| GW 16 237 LC | 2 gang | 6 |

CHARACTERISTICS: 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.

Chorus - British Standard

TECHNOPOLYMER - STONE FINISH



GW 16 236 RS

LUX - SAND

| Code | Description | Pack Carton |
|--------------|-------------|----------------|
| GW 16 236 RS | 1 gang | 12 |
| GW 16 237 RS | 2 gang | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.

METAL



GW 16 236 MA

LUX - BLACK ALUMINIUM

| Code | Description | Pack Carton |
|--------------|-------------|----------------|
| GW 16 236 MA | 1 gang | 1 |
| GW 16 237 MA | 2 gang | 1 |

CHARACTERISTICS: 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.



GW 16 236 MI

LUX - BRUSHED STAINLESS STEEL

| Code | Description | Pack Carton |
|--------------|-------------|----------------|
| GW 16 236 MI | 1 gang | 1 |
| GW 16 237 MI | 2 gang | 1 |

CHARACTERISTICS: 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.

GLASS



GW 16 236 CG

LUX - ICE

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 236 CG | 1 gang | 1 |
| GW 16 237 CG | 2 gang | 1 |

CHARACTERISTICS: opaque effect. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.

NOTE: design variations in the glass plates are a sign of quality and indicate the genuineness of the material used.



GW 16 236 CA

LUX - AQUAMARINE

| Code | Description | Pack Carton |
|--------------|-------------|-------------|
| GW 16 236 CA | 1 gang | 1 |
| GW 16 237 CA | 2 gang | 1 |

CHARACTERISTICS: opaque effect. 1-gang plate is suitable for BS double pole switches (20A, 20A WH, 45A) and for 2P+E - 13A single socket-outlets. 2-gang plate is suitable for 2P+E 13A twin socket-outlets.

NOTE: design variations in the glass plates are a sign of quality and indicate the genuineness of the material used.

Chorus - British Standard

GEO PLATES (FOR MONOBLOC SWITCHES AND MODULAR DEVICES)

TECHNOPOLYMER



GW 16 422 TB

GEO - MILK WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 422 TB | 1 gang | GW16831 | 12 |
| GW 16 406 TB | 2 gang - 5 module | GW16837, GW16838, GW16839 | 12 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).



GW 16 422 TI

GEO - IVORY

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 422 TI | 1 gang | GW16831 | 12 |
| GW 16 406 TI | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).

PAINTED TECHNOPOLYMER



GW 16 422 VT

GEO - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 422 VT | 1 gang | GW16831 | 12 |
| GW 16 406 VT | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).



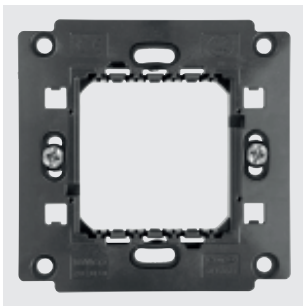
GW 16 422 VA

GEO - SLATE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 422 VA | 1 gang | GW16831 | 12 |
| GW 16 406 VA | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).

BRITISH STANDARD SUPPORTS



GW 16 831

BS SUPPORT FOR 1-GANG BOXES

| Code | Description | Fixing | Pack Carton |
|-----------|-------------|---------------------------------|----------------|
| GW 16 831 | 1 gang | With screws (M6/32x23 included) | 10/160 |

CHARACTERISTICS: for boxes with fixing center distance of 60.3mm and dimensions 70x70mm (British Standard).

APPLICATIONS: matches Chorus modular devices.



GW 16 838

BS SUPPORTS FOR 2-GANG BOXES

| Code | Colour | Description | Fixing | Pack Carton |
|-----------|----------|-------------------|--------------------------------|----------------|
| GW 16 837 | White | 2 gang - 5 module | With screws (M3.5x29 included) | 50 |
| GW 16 838 | Black | 2 gang - 5 module | With screws (M3.5x29 included) | 50 |
| GW 16 839 | Titanium | 2 gang - 5 module | With screws (M3.5x29 included) | 50 |

CHARACTERISTICS: for boxes with fixing center distance of 120.6mm and dimensions 70x130mm (British Standard).

APPLICATIONS: match Chorus modular devices.

Chorus - British Standard

LUX PLATES (FOR MONOBLOC SWITCHES AND MODULAR DEVICES)

TECHNOPOLYMER



GW 16 222 TB

LUX - MILK WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 TB | 1 gang | GW16831 | 12 |
| GW 16 206 TB | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).



GW 16 222 YB

LUX - MONOCHROME MILK WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 YB | 1 gang | GW16831 | 12 |
| GW 16 238 YB | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).



GW 16 222 TN

LUX - TONER BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 TN | 1 gang | GW16831 | 12 |
| GW 16 206 TN | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).

METALLISED TECHNOLOGY



GW 16 222 MC

LUX - CHROME

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 MC | 1 gang | GW16831 | 12 |
| GW 16 206 MC | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).



GW 16 222 MO

LUX - GOLD

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 MO | 1 gang | GW16831 | 12 |
| GW 16 206 MO | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).

Chorus - British Standard

TECHNOPOLYMER - WOOD FINISH



GW 16 222 LA

LUX - MAPLE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 LA | 1 gang | GW16831 | 12 |
| GW 16 238 LA | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).



GW 16 222 LW

LUX - WENGE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 LW | 1 gang | GW16831 | 12 |
| GW 16 238 LW | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).



GW 16 222 LC

LUX - CHERRY

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 LC | 1 gang | GW16831 | 12 |
| GW 16 238 LC | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).

TECHNOPOLYMER - STONE FINISH



GW 16 222 RS

LUX - SAND

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 RS | 1 gang | GW16831 | 12 |
| GW 16 238 RS | 2 gang - 5 module | GW16837, GW16838, GW16839 | 6 |

CHARACTERISTICS: glossy finish. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).

METAL



GW 16 222 MA

LUX - BLACK ALUMINIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 MA | 1 gang | GW16831 | 1 |
| GW 16 238 MA | 2 gang - 5 module | GW16837, GW16838, GW16839 | 1 |

CHARACTERISTICS: 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).



GW 16 222 MI

LUX - BRUSHED STAINLESS STEEL

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 MI | 1 gang | GW16831 | 1 |
| GW 16 206 MI | 2 gang - 5 module | GW16837, GW16838, GW16839 | 1 |

CHARACTERISTICS: 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).

GLASS



GW 16 222 CG

LUX - ICE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 CG | 1 gang | GW16831 | 1 |
| GW 16 206 CG | 2 gang - 5 module | GW16837, GW16838, GW16839 | 1 |

CHARACTERISTICS: opaque effect. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).

NOTES: design variations in the glass plates are a sign of quality and indicate the genuineness of the material used.



GW 16 222 CA

LUX - AQUAMARINE

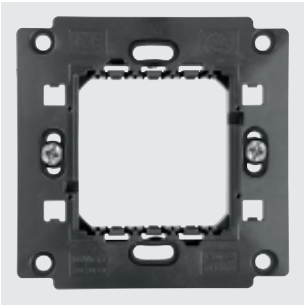
| Code | Description | For support codes | Pack Carton |
|--------------|-------------------|---------------------------|-------------|
| GW 16 222 CA | 1 gang | GW16831 | 1 |
| GW 16 206 CA | 2 gang - 5 module | GW16837, GW16838, GW16839 | 1 |

CHARACTERISTICS: opaque effect. 1-gang plate is suitable for BS one-way and two-way switches and for Chorus modular devices. 2-gang plate is suitable for Chorus modular devices (up to 5 modules).

NOTE: design variations in the glass plates are a sign of quality and indicate the genuineness of the material used.

Chorus - British Standard

BRITISH STANDARD SUPPORTS



GW 16 831

BS SUPPORT FOR 1-GANG BOXES

| Code | Description | Fixing | Pack Carton |
|-----------|-------------|---------------------------------|----------------|
| GW 16 831 | 1 gang | With screws (M6/32x23 included) | 10/160 |

CHARACTERISTICS: for boxes with fixing center distance of 60.3mm and dimensions 70x70mm (British Standard).

APPLICATIONS: matches Chorus modular devices.



GW 16 838

BS SUPPORTS FOR 2-GANG BOXES

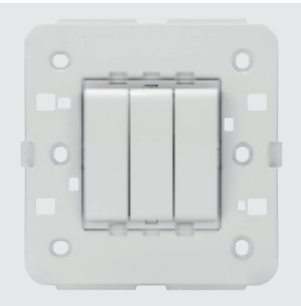
| Code | Colour | Description | Fixing | Pack Carton |
|-----------|----------|-------------------|--------------------------------|----------------|
| GW 16 837 | White | 2 gang - 5 module | With screws (M3.5x29 included) | 50 |
| GW 16 838 | Black | 2 gang - 5 module | With screws (M3.5x29 included) | 50 |
| GW 16 839 | Titanium | 2 gang - 5 module | With screws (M3.5x29 included) | 50 |

CHARACTERISTICS: for boxes with fixing center distance of 120.6mm and dimensions 70x130mm (British Standard).

APPLICATIONS: match Chorus modular devices.

BRITISH STANDARD DEVICES - WHITE VERSION

ONE-WAY SWITCHES



GW 10 045 M

BS - 1P ONE-WAY SWITCHES - 250 V AC

| Code | Description | Type | Pack Carton |
|-------------|-------------|--------|-------------|
| GW 10 038 | 1P - 16AX | 1 gang | 1/100 |
| GW 10 012 | 1P - 16AX | 2 gang | 1/100 |
| GW 10 045 M | 1P - 10AX | 3 gang | 10/100 |

CHARACTERISTICS: match 1-gang GEO (GW16422xx) or LUX (GW16222xx) plates.

DOUBLE POLE SWITCHES



GW 10 008 M

BS - 2P SWITCH - 250 V AC

| Code | Description | Type | Pack Carton |
|-------------|-------------|---------|-------------|
| GW 10 008 M | 2P - 20A | Backlit | 10/100 |

CHARACTERISTICS: matches 1-gang GEO (GW16436xx) or LUX (GW16236xx) plates.



GW 10 009 M

BS - 2P SWITCH - 250 V AC

| Code | Description | Type | Symbol | Pack Carton |
|-------------|-------------|---------|--------------|-------------|
| GW 10 009 M | 2P - 20A | Backlit | Water Heater | 10/100 |

CHARACTERISTICS: matches 1-gang GEO (GW16436xx) or LUX (GW16236xx) plates.



GW 10 011 M

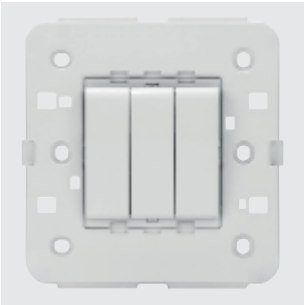
BS - 2P SWITCH - 250 V AC

| Code | Description | Type | Symbol | Pack Carton |
|-------------|-------------|---------|--------|-------------|
| GW 10 011 M | 2P - 45A | Backlit | 45A | 10/100 |

CHARACTERISTICS: matches 1-gang GEO (GW16436xx) or LUX (GW16236xx) plates.

Chorus - British Standard

TWO-WAY SWITCHES



GW 10 085 M

BS - 1P TWO-WAY SWITCHES - 250 V AC

| Code | Description | Type | Pack Carton |
|-------------|-------------|--------|----------------|
| GW 10 075 | 1P - 16AX | 1 gang | 1/100 |
| GW 10 056 | 1P - 16AX | 2 gang | 1/100 |
| GW 10 085 M | 1P - 10AX | 3 gang | 10/100 |

CHARACTERISTICS: match 1-gang GE0 (GW16422xx) or LUX (GW16222xx) plates.

SWITCHED SOCKET-OUTLETS



GW 10 336 M

BS SINGLE SWITCHED SOCKET-OUTLETS - 250 V AC

| Code | Description | For plug pins | Type | Pack Carton |
|-------------|-------------|------------------|---------|----------------|
| GW 10 336 M | 2P+E - 13 A | Flat | | 10/100 |
| GW 10 337 M | 2P+E - 13 A | Flat | Backlit | 10/100 |

CHARACTERISTICS: with safety shields. Match 1-gang GE0 (GW16436xx) or LUX (GW16236xx) plates.



GW 10 338 M

BS TWIN SWITCHED SOCKET-OUTLETS - 250 V AC

| Code | Description | For plug pins | Type | Pack Carton |
|-------------|-------------|------------------|---------|----------------|
| GW 10 338 M | 2P+E - 13 A | Flat | | 5/50 |
| GW 10 339 M | 2P+E - 13 A | Flat | Backlit | 5/50 |

CHARACTERISTICS: with safety shields. Match 2-gang GE0 (GW16437xx) or LUX (GW16237xx) plates.

BRITISH STANDARD DEVICES - BLACK VERSION

ONE-WAY SWITCHES



GW 12 045 M

BS - 1P ONE-WAY SWITCHES - 250 V AC

| Code | Description | Type | Pack Carton |
|-------------|-------------|--------|-------------|
| GW 12 038 | 1P - 16AX | 1 gang | 1/100 |
| GW 12 012 | 1P - 16AX | 2 gang | 1/100 |
| GW 12 045 M | 1P - 10AX | 3 gang | 10/100 |

CHARACTERISTICS: match 1-gang GEO (GW16422xx) or LUX (GW16222xx) plates.

DOUBLE POLE SWITCHES



GW 12 008 M

BS - 2P SWITCH - 250 V AC

| Code | Description | Type | Pack Carton |
|-------------|-------------|---------|-------------|
| GW 12 008 M | 2P - 20A | Backlit | 10/100 |

CHARACTERISTICS: matches 1-gang GEO (GW16436xx) or LUX (GW16236xx) plates.



GW 12 009 M

BS - 2P SWITCH - 250 V AC

| Code | Description | Type | Symbol | Pack Carton |
|-------------|-------------|---------|--------------|-------------|
| GW 12 009 M | 2P - 20A | Backlit | Water Heater | 10/100 |

CHARACTERISTICS: matches 1-gang GEO (GW16436xx) or LUX (GW16236xx) plates.



GW 12 011 M

BS - 2P SWITCH - 250 V AC

| Code | Description | Type | Symbol | Pack Carton |
|-------------|-------------|---------|--------|-------------|
| GW 12 011 M | 2P - 45A | Backlit | 45A | 10/100 |

CHARACTERISTICS: matches 1-gang GEO (GW16436xx) or LUX (GW16236xx) plates.

Chorus - British Standard

TWO-WAY SWITCHES



GW 12 085 M

BS - 1P TWO-WAY SWITCHES - 250 V AC

| Code | Description | Type | Pack Carton |
|-------------|-------------|--------|----------------|
| GW 12 075 | 1P - 16AX | 1 gang | 1/100 |
| GW 12 056 | 1P - 16AX | 2 gang | 1/100 |
| GW 12 085 M | 1P - 10AX | 3 gang | 10/100 |

CHARACTERISTICS: match 1-gang GEO (GW16422xx) or LUX (GW16222xx) plates.

SWITCHED SOCKET-OUTLETS



GW 12 336 M

BS SINGLE SWITCHED SOCKET-OUTLETS - 250 V AC

| Code | Description | For plug pins | Type | Pack Carton |
|-------------|-------------|------------------|---------|----------------|
| GW 12 336 M | 2P+E - 13 A | Flat | | 10/100 |
| GW 12 337 M | 2P+E - 13 A | Flat | Backlit | 10/100 |

CHARACTERISTICS: with safety shields. Match 1-gang GEO (GW16436xx) or LUX (GW16236xx) plates.



GW 12 338 M

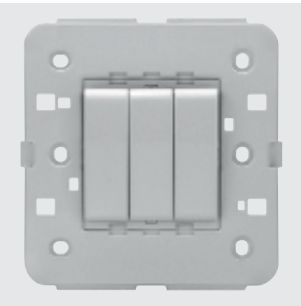
BS TWIN SWITCHED SOCKET-OUTLETS - 250 V AC

| Code | Description | For plug pins | Type | Pack Carton |
|-------------|-------------|------------------|---------|----------------|
| GW 12 338 M | 2P+E - 13 A | Flat | | 5/50 |
| GW 12 339 M | 2P+E - 13 A | Flat | Backlit | 5/50 |

CHARACTERISTICS: with safety shields. Match 2-gang GEO (GW16437xx) or LUX (GW16237xx) plates.

BRITISH STANDARD DEVICES - TITANIUM VERSION

ONE-WAY SWITCHES



GW 14 045 M

BS - 1P ONE-WAY SWITCHES - 250 V AC

| Code | Description | Type | Pack Carton |
|-------------|-------------|--------|-------------|
| GW 14 038 | 1P - 16AX | 1 gang | 1/100 |
| GW 14 012 | 1P - 16AX | 2 gang | 1/100 |
| GW 14 045 M | 1P - 10AX | 3 gang | 10/100 |

CHARACTERISTICS: match 1-gang GEO (GW16422xx) or LUX (GW16222xx) plates.

DOUBLE POLE SWITCHES

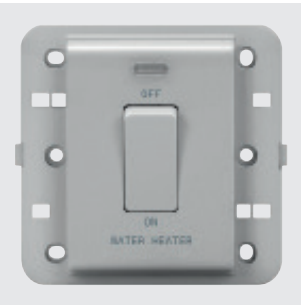


GW 14 008 M

BS - 2P SWITCH - 250 V AC

| Code | Description | Type | Pack Carton |
|-------------|-------------|---------|-------------|
| GW 14 008 M | 2P - 20A | Backlit | 10/100 |

CHARACTERISTICS: matches 1-gang GEO (GW16436xx) or LUX (GW16236xx) plates.



GW 14 009 M

BS - 2P SWITCH - 250 V AC

| Code | Description | Type | Symbol | Pack Carton |
|-------------|-------------|---------|--------------|-------------|
| GW 14 009 M | 2P - 20A | Backlit | Water Heater | 10/100 |

CHARACTERISTICS: matches 1-gang GEO (GW16436xx) or LUX (GW16236xx) plates.



GW 14 011 M

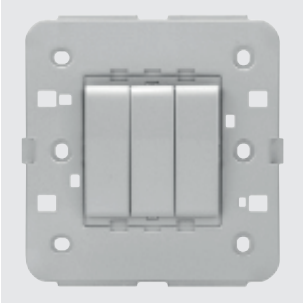
BS - 2P SWITCH - 250 V AC

| Code | Description | Type | Symbol | Pack Carton |
|-------------|-------------|---------|--------|-------------|
| GW 14 011 M | 2P - 45A | Backlit | 45A | 10/100 |

CHARACTERISTICS: matches 1-gang GEO (GW16436xx) or LUX (GW16236xx) plates.

Chorus - British Standard

TWO-WAY SWITCHES



GW 14 085 M

BS - 1P TWO-WAY SWITCHES - 250 V AC

| Code | Description | Type | Pack Carton |
|-------------|-------------|--------|----------------|
| GW 14 075 | 1P - 16AX | 1 gang | 1/100 |
| GW 14 056 | 1P - 16AX | 2 gang | 1/100 |
| GW 14 085 M | 1P - 10AX | 3 gang | 10/100 |

CHARACTERISTICS: match 1-gang GE0 (GW16422xx) or LUX (GW16222xx) plates.

SWITCHED SOCKET-OUTLETS

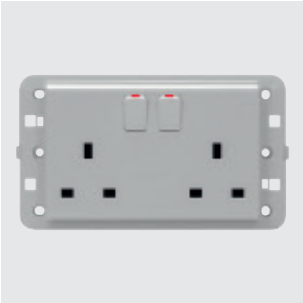


GW 14 336 M

BS SINGLE SWITCHED SOCKET-OUTLETS - 250 V AC

| Code | Description | For plug pins | Type | Pack Carton |
|-------------|-------------|------------------|---------|----------------|
| GW 14 336 M | 2P+E - 13 A | Flat | | 10/100 |
| GW 14 337 M | 2P+E - 13 A | Flat | Backlit | 10/100 |

CHARACTERISTICS: with safety shields. Match 1-gang GE0 (GW16436xx) or LUX (GW16236xx) plates.



GW 14 338 M

BS TWIN SWITCHED SOCKET-OUTLETS - 250 V AC

| Code | Description | For plug pins | Type | Pack Carton |
|-------------|-------------|------------------|---------|----------------|
| GW 14 338 M | 2P+E - 13 A | Flat | | 5/50 |
| GW 14 339 M | 2P+E - 13 A | Flat | Backlit | 5/50 |

CHARACTERISTICS: with safety shields. Match 2-gang GE0 (GW16437xx) or LUX (GW16237xx) plates.

Chorus British Standard

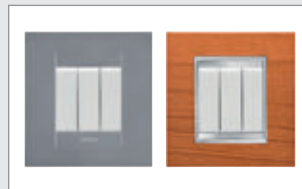


BRITISH STD RANGE



The monobloc devices are developed for British Standard 3x3-inches (1-gang) and 3x6-inches (2-gang) flush-mounting boxes, with screw fixing. The compact size of the monobloc devices also enables them to be easily installed starting from boxes with a depth of 25mm.

BRITISH STD PLATES



Two families of plates with an Italian design: GEO, with its essential and regular line and LUX, with its innovative and refined shape. The plates are available in different colors and in a variety of materials such as technopolymer, wood and stone finish, metal and glass.

EXPANDABLE WITH CHORUS

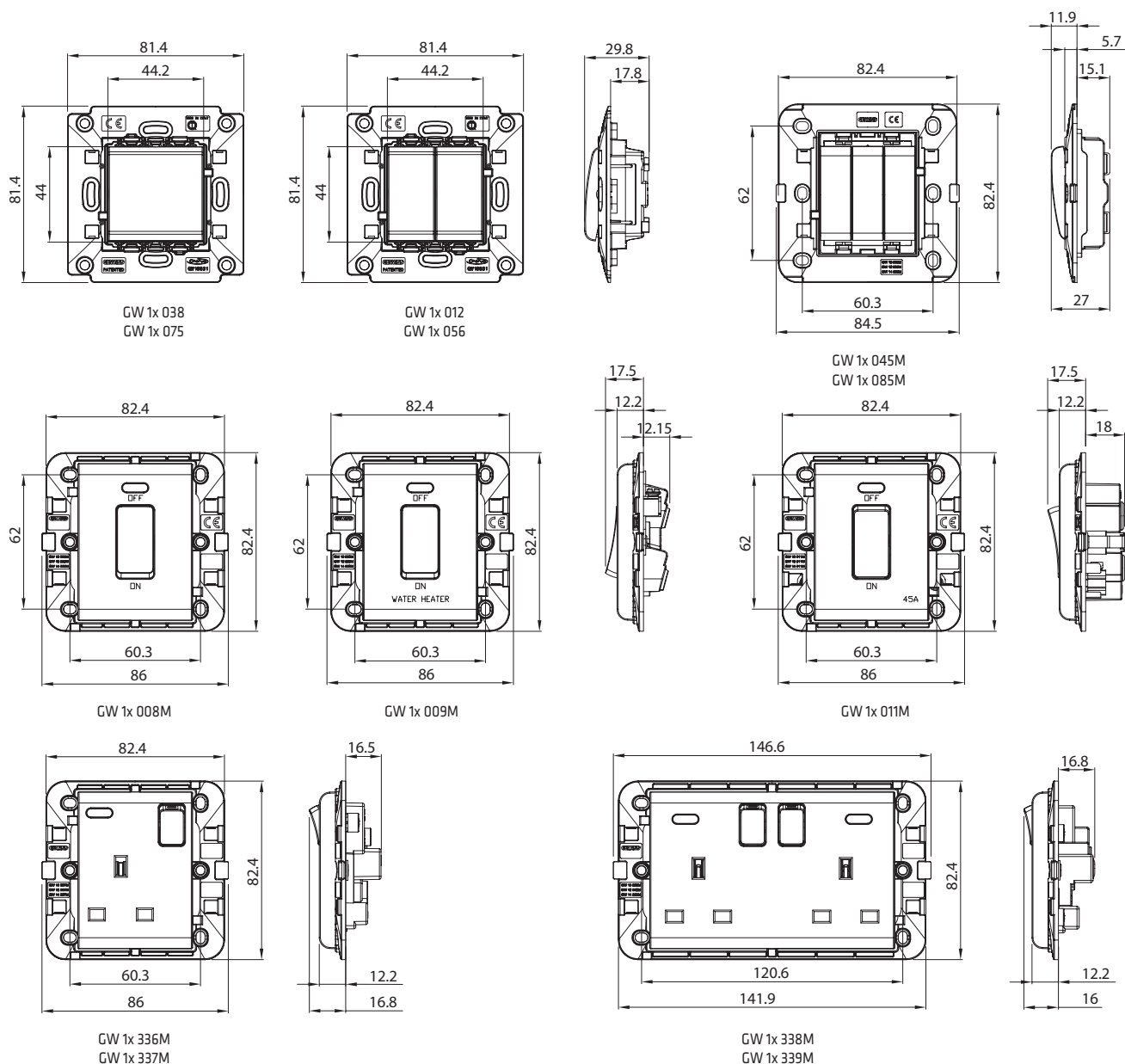


The integration of Chorus modular devices is possible thanks to the specific frame supports that can house up to 2 Chorus modules (in 3x3-inches boxes) and up to 5 Chorus modules (in 3x6-inches boxes). The supports have to be completed with square or rectangular GEO or LUX plates.

DOMESTIC RANGES

Dimension tables

MONOBLOC WIRING DEVICES



Chorus - British Standard

MODULAR WIRING DEVICES

The Chorus modular devices have different depths depending on their functions. The minimum required back boxes depth is indicated for each device.

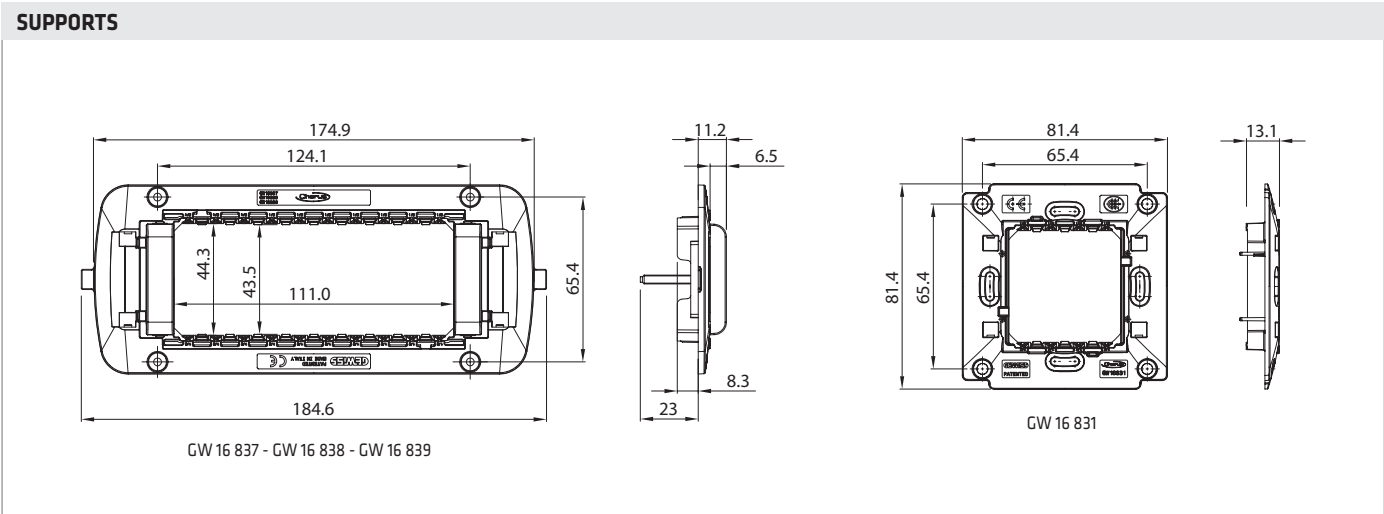
| | | Minimum back box depth | | | |
|-----------------------|---------|------------------------|-------|------|------|
| Description | Code | 25mm | 35mm, | 47mm | 55mm |
| One-way switches | GW1x001 | • | | | |
| | GW1x002 | • | | | |
| | GW1x003 | • | | | |
| | GW1x021 | | • | | |
| | GW1x022 | | • | | |
| | GW1x031 | • | | | |
| | GW1x032 | • | | | |
| | GW1x033 | • | | | |
| | GW1x041 | • | | | |
| | GW1x042 | • | | | |
| | GW1x043 | • | | | |
| | GW1x004 | • | | | |
| | GW1x005 | | • | | |
| | GW1x006 | | | • | |
| | GW1x007 | • | | | |
| | GW1x034 | • | | | |
| Two-way switches | GW1x035 | | • | | |
| | GW1x051 | • | | | |
| | GW1x052 | • | | | |
| | GW1x053 | • | | | |
| | GW1x054 | | | • | |
| | GW1x061 | | • | | |
| | GW1x071 | • | | | |
| | GW1x072 | • | | | |
| Intermediate switches | GW1x073 | • | | | |
| | GW1x081 | • | | | |
| | GW1x082 | • | | | |
| | GW1x083 | • | | | |
| | GW1x091 | | • | | |
| | GW1x092 | | • | | |
| | GW1x093 | | • | | |
| | GW1x101 | | • | | |
| Three-way switches | GW1x102 | | • | | |
| | GW1x103 | | • | | |
| | GW1x111 | | • | | |
| | GW1x112 | | • | | |
| | GW1x113 | | • | | |
| Push-buttons | GW1x121 | | • | | |
| | GW1x122 | | | • | |
| | GW1x131 | • | | | |
| | GW1x132 | • | | | |
| | GW1x133 | • | | | |
| | GW1x136 | • | | | |
| | GW1x137 | • | | | |
| | GW1x138 | • | | | |
| | GW1x139 | • | | | |
| | GW1x140 | | • | | |
| | GW1x141 | | • | | |
| | GW1x142 | | • | | |
| | GW1x143 | | • | | |
| | GW1x144 | | • | | |
| | GW1x145 | | | • | |
| | GW1x151 | • | | | |
| | GW1x152 | • | | | |
| | GW1x153 | • | | | |
| | GW1x161 | | • | | |
| | GW1x162 | | • | | |
| | GW1x171 | • | | | |
| | GW1x172 | • | | | |
| | GW1x173 | • | | | |
| | GW1x181 | • | | | |
| | GW1x182 | • | | | |
| | GW1x183 | • | | | |
| | GW1x134 | • | | | |

| | | Minimum back box depth | | | |
|--------------------------------------|----------|------------------------|-------|------|------|
| Description | Code | 25mm | 35mm, | 47mm | 55mm |
| Push-buttons | GW1x135 | | • | | |
| | GW1x191 | | • | | |
| | GW1x192 | | • | | |
| One-way switches (quick wiring) | GW1x031F | • | | | |
| | GW1x032F | • | | | |
| | GW1x033F | • | | | |
| | GW1x034F | | • | | |
| | GW1x035F | | • | | |
| Two-way switches (quick wiring) | GW1x071F | | • | | |
| | GW1x072F | | • | | |
| | GW1x073F | | • | | |
| Intermediate switches (quick wiring) | GW1x101F | | • | | |
| | GW1x102F | | • | | |
| | GW1x103F | | • | | |
| Push-buttons (quick wiring) | GW1x171F | | • | | |
| | GW1x172F | | • | | |
| | GW1x173F | | • | | |
| Combined devices | GW1x078F | | • | | |
| | GW1x159F | | • | | |
| | GW1x160F | | • | | |
| Components for hotels | GW1x039 | • | | | |
| Infrared | GW1x591 | | | • | |
| | GW1x592 | | | • | |
| | GW1x597 | | | • | |
| Relays | GW1x721 | | | • | |
| | GW1x723 | | | • | |
| | GW1x724 | | | • | |
| | GW1x726 | | | • | |
| Italian std sockets | GW1x201 | | • | | |
| | GW1x203 | | • | | |
| | GW10213 | | • | | |
| | GW10223 | | • | | |
| | GW10233 | | • | | |
| | GW1x208 | | • | | |
| | GW1x209 | | • | | |
| Italian/German std sockets | GW1x204 | | • | | |
| | GW1x205 | | • | | |
| | GW10214 | | • | | |
| | GW10224 | | • | | |
| German std sockets | GW10234 | | • | | |
| | GW1x241 | | • | | |
| | GW10251 | | • | | |
| | GW1x341 | | | • | |
| | GW10351 | | | • | |
| | GW1x241F | | | • | |
| French std sockets | GW10251F | | | • | |
| | GW1x246 | | • | | |
| | GW1x247 | | • | | |
| | GW1x248 | | • | | |
| | GW10258 | | • | | |
| Israeli std sockets | GW1x247F | | • | | |
| | GW10257F | | • | | |
| | GW1x281 | | | • | |
| USA std socket | GW10291 | | | • | |
| | GW1x282 | | | • | |
| Euro-American std sockets | GW1x286 | | • | | |
| | GW1x287 | | • | | |
| Multistandard socket | GW1x288 | | • | | |
| | GW1x310 | | • | | |
| British std sockets | GW1x296 | | | • | |
| | GW1x297 | | | • | |
| Argentinian std socket | GW1x301 | | | • | |
| Australian std sockets | GW1x306 | | | • | |
| | GW1x307 | | | • | |

| Description | Code | Minimum back box depth | | | |
|---------------------------------|---------|------------------------|-------|------|------|
| | | 25mm | 35mm, | 47mm | 55mm |
| Indian/South African std socket | GW1x298 | | | • | |
| | GW1x299 | | | • | |
| | GW1x311 | | | • | |
| Interlocked switched sockets | GW1x312 | | | • | |
| | GW1x321 | | | • | |
| | GW1x322 | | | • | |
| | GW1x331 | | | | • |
| | GW1x361 | | • | | |
| TV male IEC | GW1x362 | | • | | |
| | GW1x363 | | • | | |
| | GW1x364 | | • | | |
| | GW1x371 | | • | | |
| TV-SAT female F | GW1x372 | | • | | |
| | GW1x373 | | • | | |
| | GW1x374 | | • | | |
| | GW1x381 | | • | | |
| TV-FM-SAT | GW1x382 | | • | | |
| | GW1x383 | | • | | |
| | GW1x367 | | • | | |
| TV-SAT | GW1x377 | | • | | |
| | GW1x401 | | • | | |
| Telephone sockets | GW1x402 | | • | | |
| | GW1x403 | | • | | |
| | GW1x405 | | • | | |
| | GW1x406 | | • | | |
| | GW1x409 | | • | | |
| | GW1x410 | | • | | |
| | GW1x425 | | • | | |
| Adapters for optical fibers | GW1x426 | | • | | |
| | GW1x421 | | • | | |
| Data sockets | GW1x422 | | • | | |
| | GW1x423 | | • | | |
| | GW1x424 | | • | | |
| | GW1x434 | | • | | |
| | GW1x435 | | • | | |
| | GW1x436 | | • | | |
| | GW1x437 | | • | | |
| | GW1x451 | | • | | |
| SELV sockets | GW1x452 | | • | | |
| | GW1x458 | | • | | |
| Audio/video sockets | GW1x459 | | • | | |
| | GW1x450 | | | • | |
| Miniature circuit breakers | GW1x461 | | | • | |
| | GW1x462 | | | • | |
| | GW1x463 | | | • | |
| | GW1x466 | | | • | |
| | GW1x467 | | | • | |
| | GW1x468 | | | • | |
| | GW1x491 | | • | | |
| | GW1x492 | | | • | |
| Protection devices | GW1x482 | | | • | |
| | GW1x485 | | | • | |
| | GW1x488 | | | • | |
| | GW1x483 | | | • | |
| | GW1x486 | | | • | |
| Anti black-out lamp | GW1x489 | | | • | |
| | GW1x662 | | | • | |
| | GW1x663 | | | • | |
| Emergency lamp | GW1x666 | | | • | |
| | GW1x601 | | | • | |
| Ringers | GW1x602 | | | • | |
| | GW1x611 | | | • | |
| | GW1x612 | | | • | |
| Buzzers | GW1x606 | | | • | |
| | GW1x607 | | | • | |

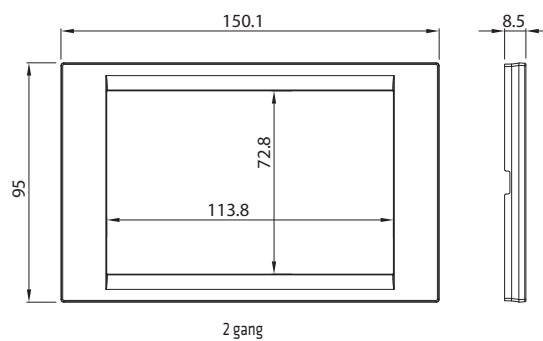
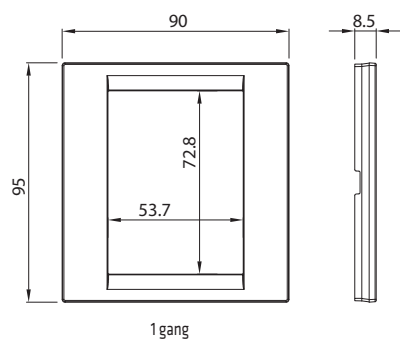
| Description | Code | Minimum back box depth | | | |
|---------------------------|-----------|------------------------|-------|------|------|
| | | 25mm | 35mm, | 47mm | 55mm |
| Indicator lamps | GW1x641 | • | | | |
| | GW1x642 | • | | | |
| | GW1x643 | • | | | |
| | GW1x644 | • | | | |
| | GW1x621 | • | | | |
| | GW1x622 | • | | | |
| | GW1x623 | • | | | |
| | GW1x624 | • | | | |
| | GW1x628 | • | | | |
| | GW1x629 | • | | | |
| | GW1x631 | | • | | |
| | GW1x632 | | • | | |
| Protruding indicator lamp | GW1x633 | | • | | |
| | GW1x634 | | • | | |
| | GW1x651 | | • | | |
| Stair riser lamps | GW1x656 | | | • | |
| | GW1x703 | | | • | |
| Timed thermostat | GW1x705 | | | • | |
| Thermostats | GW16972xx | | | • | |
| Electronic timer | GW1x581 | | | • | |
| Clock/Alarm | GW1x708 | | | • | |
| Detectors | GW1x711 | | | • | |
| | GW1x712 | | | • | |
| | GW1x716 | | | • | |
| Timers | GW1x582 | | | • | |
| | GW1x583 | | | • | |
| | GW1x561 | | | • | |
| Dimmers | GW1x564 | | | • | |
| | GW1x567 | | | • | |
| | GW1x572 | | | • | |
| | GW1x573 | | | • | |
| | GW1x568 | | | • | |
| | GW1x566 | | | • | |
| | GW1x574 | | | • | |
| | GW1x904 | | | • | |
| Touch commands | GW1x905 | | | • | |
| | GW1x906 | | | • | |
| | GW10907 | | | • | |
| | GW10908 | | | • | |
| | GW10909 | | | • | |
| Electronic push-buttons | GW1x912 | | • | | |
| | GW1x913 | | • | | |
| | GW1x914 | | | • | |
| | GW1x915 | | • | | |
| | GW1x916 | | • | | |
| | GW1x917 | | • | | |
| | GW1x918 | | • | | |
| | | | | | |
| | | | | | |
| | | | | | |

Chorus - British Standard

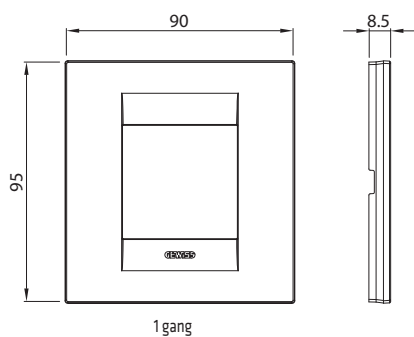


GEO PLATES

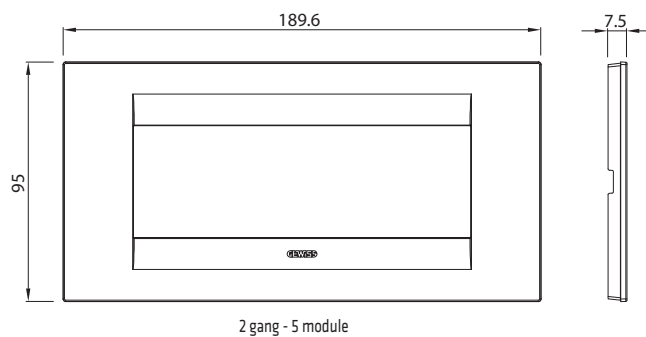
For monobloc DP switches and switched sockets



For monobloc switches and modular devices



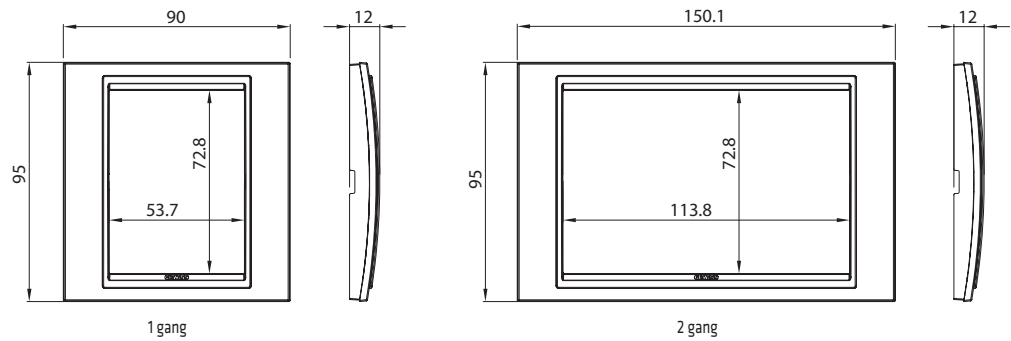
For modular devices only



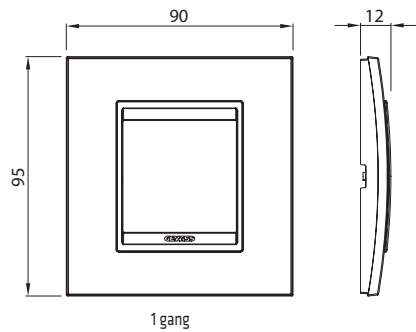
Chorus - British Standard

LUX PLATES

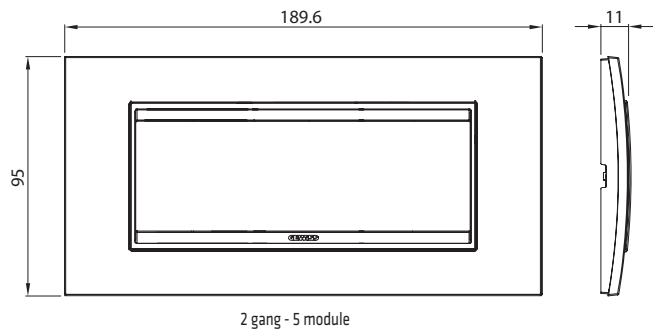
For monobloc DP switches and switched sockets


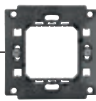
















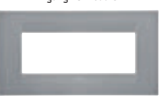



For monobloc switches and modular devices



For modular devices only



| BOXES | SUPPORTS | DEVICES | PLATES |
|---|---|---|--|
|  <p>1 gang BS backbox (Centre distance 60.3 mm)</p> |  <p>GW 16 831 With screws</p> | <div>  <p>GW 1x 008 M GW 1x 009 M GW 1x 011 M</p> <p>With screws</p> </div> <div>  <p>GW 1x 336 M GW 1x 337 M</p> <p>With screws</p> </div> <div>  <p>GW 1x 038 GW 1x 075</p> <p>With screws</p> </div> <div>  <p>GW 1x 012 GW 1x 056</p> <p>With screws</p> </div> <div>  <p>GW 1x 045 M GW 1x 085 M</p> <p>With screws</p> </div> <div>  <p>2 x 1 module *</p> </div> <div>  <p>1 x 2 module *</p> </div> | <div>  <p>GEO - 1 gang GW 16 436 xx</p> </div> <div>  <p>LUX - 1 gang GW 16 236 xx</p> </div> |
|  <p>2 gang BS backbox (Centre distance 120.6 mm)</p> |  <p>GW 16 837 - White GW 16 838 - Black GW 16 839 - Titanium With screws</p> | <p>GW 1x 338 M GW 1x 339 M</p> <p>With screws</p> <div>  <p>5 x 1 module *</p> </div> <div>  <p>3 x 1 module + 1 x 2 module *</p> </div> <div>  <p>1 x 1 module + 2 x 2 module *</p> </div> | <div>  <p>GEO - 2 gang GW 16 437 xx</p> </div> <div>  <p>LUX - 2 gang GW 16 237 xx</p> </div> |
| | | | <div>  <p>GEO 2 gang - 5 module GW 16 406 xx</p> </div> <div>  <p>LUX 2 gang - 5 module GW 16 206 xx GW 16 238 xx</p> </div> |

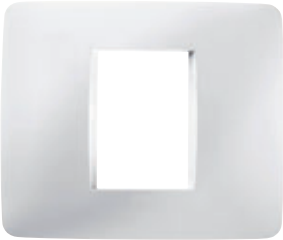
(*) From Chorus modular devices range

Chorus - South African Standard

ONE PLATES - SOUTH AFRICAN STANDARD

Technopolymer

WHITE



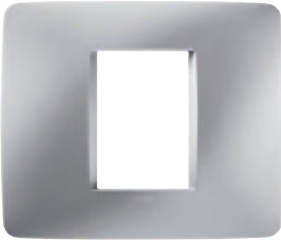
GW 16 142 TB

3 gang

GW 16 141 TB

3+3 gang

TITANIUM



GW 16 142 VT


3 gang

GW 16 141 VT

3+3 gang

Painted technopolymer

BLACK



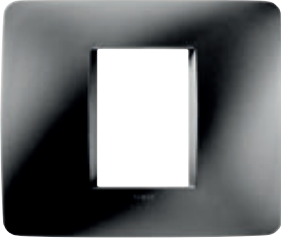
GW 16 142 TN

3 gang

GW 16 141 TN

3+3 gang

SLATE




GW 16 142 VA

3 gang

GW 16 141 VA


3+3 gang

Supports



GW 16 834

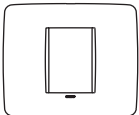
3 gang



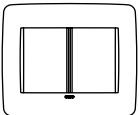
GW 16 835

3+3 gang

Modularity



3 gang



3+3 gang

ONE South African std plates and supports are suitable for Chorus modular devices. The supports fit 4x4 inches backboxes.

280

POWER - WHITE

Switched socket - outlets



GW 10 332
2P+E-16 A-250 V ac



GW 10 333
2P+E-16 A-250 V ac

Isolator



GW 10 044
2P-40 A-250 V ac

DOMESTIC RANGES

POWER - BLACK

Switched socket - outlets



GW 12 332
2P+E-16 A-250 V ac



GW 10 333
2P+E-16 A-250 V ac

Isolator



GW 12 044
2P-40 A-250 V ac

POWER - TITANIUM

Switched socket - outlets



GW 14 332
2P+E-16 A-250 V ac



GW 10 333
2P+E-16 A-250 V ac

Isolator



GW 14 044
2P-40 A-250 V ac

Chorus South African Standard

Plates and devices

Wiring devices system characterized by its profile and shape based to the Chorus family feeling. A range of plates with an Italian design inspired to the Chorus ONE plates, made in technopolymer, available in different colors and finishes. The devices are available in three colors: glossy white, satin black, painted titanium and fit in 2x4-inches and 4x4-inches South African Standard boxes. The range is expandable thanks to the Chorus modular devices.



Technical characteristics page 287

ONE PLATES - SOUTH AFRICAN STANDARD

ONE PLATES IN TECHNOPOLYMER



GW 16 141 TB

SOUTH AFRICAN STANDARD PLATES 3+3 GANG

| Code | Colour | For support codes | Pack Carton |
|--------------|--------|-------------------|-------------|
| GW 16 141 TB | White | GW16835 | 12 |
| GW 16 141 TN | Black | GW16835 | 12 |

CHARACTERISTICS: glossy finish.



GW 16 142 TB

SOUTH AFRICAN STANDARD PLATES 3 GANG

| Code | Colour | For support codes | Pack Carton |
|--------------|--------|-------------------|-------------|
| GW 16 142 TB | White | GW16834 | 12 |
| GW 16 142 TN | Black | GW16834 | 12 |

CHARACTERISTICS: glossy finish.

ONE PLATES IN PAINTED TECHNOPOLYMER



GW 16 141 VT

SOUTH AFRICAN STANDARD PLATES 3+3 GANG

| Code | Colour | For support codes | Pack Carton |
|--------------|----------|-------------------|-------------|
| GW 16 141 VT | Titanium | GW16835 | 12 |
| GW 16 141 VA | Slate | GW16835 | 12 |

CHARACTERISTICS: glossy finish.



GW 16 142 VT

SOUTH AFRICAN STANDARD PLATES 3 GANG

| Code | Colour | For support codes | Pack Carton |
|--------------|----------|-------------------|-------------|
| GW 16 142 VT | Titanium | GW16834 | 12 |
| GW 16 142 VA | Slate | GW16834 | 12 |

CHARACTERISTICS: glossy finish.

SUPPORTS



GW 16 835

SOUTH AFRICAN STANDARD SUPPORTS

| Code | Description | Configuration | Pack Carton |
|-----------|-------------|---------------|-------------|
| GW 16 834 | 3 gang | | 6/72 |
| GW 16 835 | 3+3 gang | Overlapping | 6/72 |

CHARACTERISTICS: fitted for fixing on flush-mounting box 100x100 mm South African standards. N.4 fixing screws included.

GW16834: suitable for boxes mounted in horizontal or vertical position.

NOTES: to be used in combination with Chorus ONE plates South African standards.

Chorus - South African Standard

SOUTH AFRICAN STANDARD DEVICES - WHITE VERSION

SWITCHED SOCKET-OUTLETS - SOUTH AFRICAN STANDARD



GW 10 332

SOUTH AFRICAN STANDARD SWITCHED SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 332 | 2P+E - 16A | Ø 7 mm | 3 | 4/16 |

CHARACTERISTICS: with safety shields.



GW 10 333

SOUTH AFRICAN STANDARD SWITCHED SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 333 | 2P+E - 16A | Ø 7 mm | 3 | 4/16 |

CHARACTERISTICS: with safety shields.

NOTES: in compliance with Standard sheet 4-1-2 of standard SANS 164-4.

ISOLATING SWITCHES



GW 10 044

DOUBLE-POLE ISOLATING SWITCH 40A - 250VAC

| Code | Description | Type | No. Chorus modules | Pack Carton |
|-----------|-------------|---------|--------------------|-------------|
| GW 10 044 | 2P - 40 A | Backlit | 3 | 1/16 |

CHARACTERISTICS: rated conditioned short-circuit current Icn = 1500A.

NOTES: the isolating switch must be protected by an upstream 40A fuse (type gG) or by an equivalent protection with MCB.

SOUTH AFRICAN STANDARD DEVICES - BLACK VERSION

SWITCHED SOCKET-OUTLETS - SOUTH AFRICAN STANDARD



GW 12 332

SOUTH AFRICAN STANDARD SWITCHED SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 12 332 | 2P+E - 16A | Ø 7 mm | 3 | 4/16 |

CHARACTERISTICS: with safety shields.



GW 10 333

SOUTH AFRICAN STANDARD SWITCHED SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 333 | 2P+E - 16A | Ø 7 mm | 3 | 4/16 |

CHARACTERISTICS: with safety shields.

NOTES: in compliance with Standard sheet 4-1-2 of standard SANS 164-4.

ISOLATING SWITCHES



GW 12 044

DOUBLE-POLE ISOLATING SWITCH 40A - 250VAC

| Code | Description | Type | No. Chorus modules | Pack Carton |
|-----------|-------------|---------|--------------------|-------------|
| GW 12 044 | 2P - 40 A | Backlit | 3 | 1/16 |

CHARACTERISTICS: rated conditioned short-circuit current I_{cn} = 1500A.

NOTES: the isolating switch must be protected by an upstream 40A fuse (type gG) or by an equivalent protection with MCB.

Chorus - South African Standard

SOUTH AFRICAN STANDARD DEVICES - TITANIUM VERSION

SWITCHED SOCKET-OUTLETS - SOUTH AFRICAN STANDARD



GW 14 332

SOUTH AFRICAN STANDARD SWITCHED SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 14 332 | 2P+E - 16A | Ø 7 mm | 3 | 4/16 |

CHARACTERISTICS: with safety shields.



GW 10 333

SOUTH AFRICAN STANDARD SWITCHED SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | For plug pins | No. Chorus modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 10 333 | 2P+E - 16A | Ø 7 mm | 3 | 4/16 |

CHARACTERISTICS: with safety shields.

NOTES: in compliance with Standard sheet 4-1-2 of standard SANS 164-4.

ISOLATING SWITCHES



GW 14 044

DOUBLE-POLE ISOLATING SWITCH 40A - 250VAC

| Code | Description | Type | No. Chorus modules | Pack Carton |
|-----------|-------------|---------|--------------------|-------------|
| GW 14 044 | 2P - 40 A | Backlit | 3 | 1/16 |

CHARACTERISTICS: rated conditioned short-circuit current $I_{cn} = 1500A$.

NOTES: the isolating switch must be protected by an upstream 40A fuse (type gG) or by an equivalent protection with MCB.

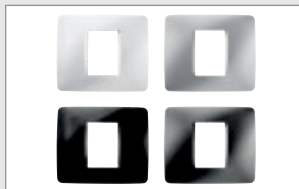
Chorus South African Standard

SOUTH AFRICAN STD RANGE



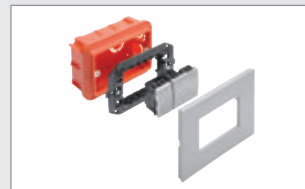
Modular devices specific for the South African market composed by 40A isolating switches and 16A switched sockets (BS546). They are 3-module devices and have been designed maintaining the complete Chorus family feeling.

SOUTH AFRICAN STD PLATES



A family of plates with an Italian design inspired to the Chorus ONE plates family feeling. The plates are made in technopolymer, in 4 different colors and fit in specific frame supports suitable for 2x4-inches and 4x4-inches flush-mounting boxes, with screw fixing.

EXPANDABLE WITH CHORUS

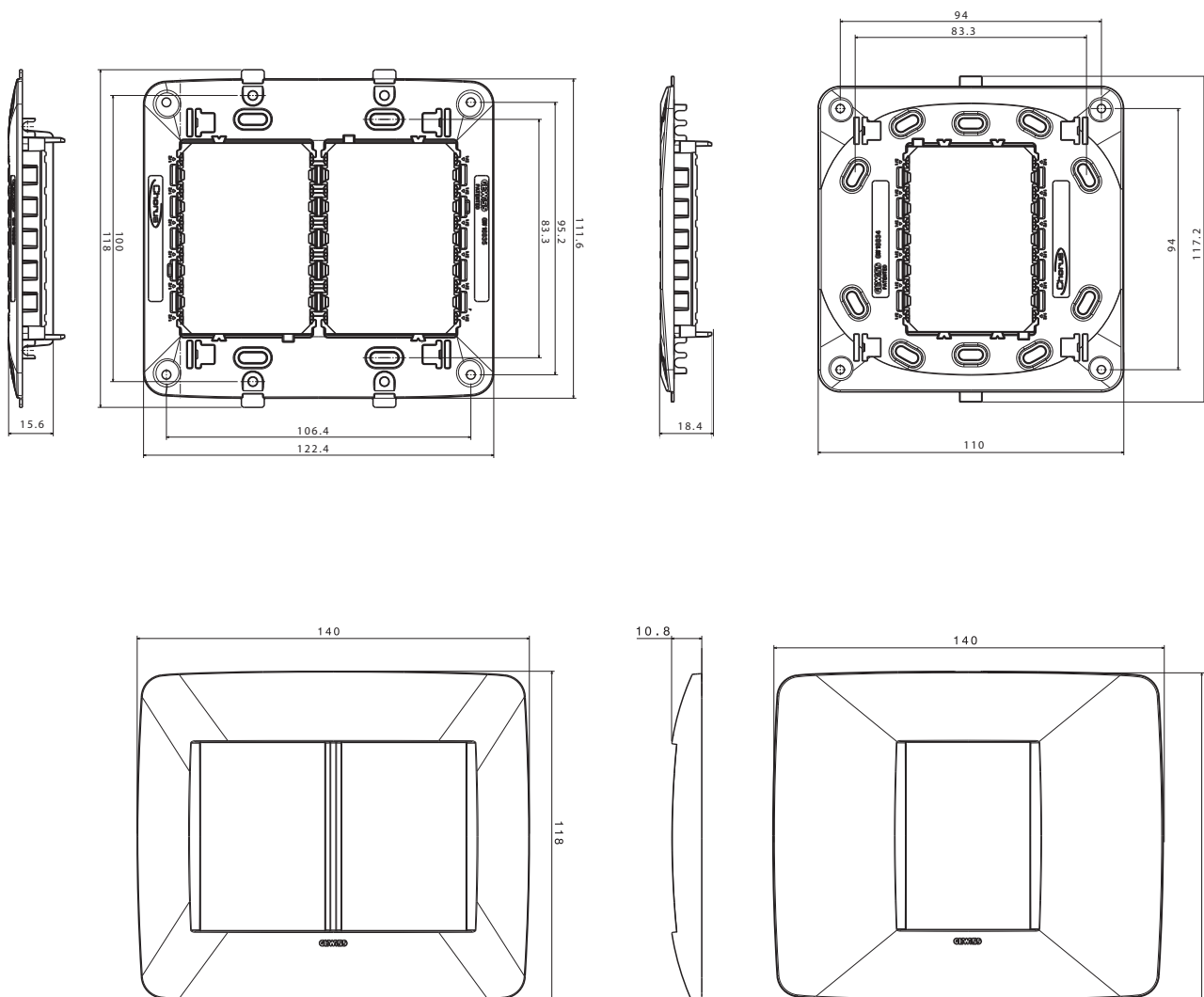


The South African standard range is a subset of the Chorus wiring devices system, from which you can pick up any device you may need. A complete range that satisfies all design, functional and installation requirements.

DOMESTIC RANGES

Dimension tables

ONE PLATES - SOUTH AFRICAN STANDARD



TOP SYSTEM PLATES

Technopolymer

CLOUD WHITE



| | |
|-----------|----------|
| GW 22 501 | 1 gang |
| GW 22 502 | 2 gang |
| GW 22 503 | 3 gang |
| GW 22 504 | 4 gang |
| GW 22 506 | 6 gang |
| GW 22 507 | 4+4 gang |
| GW 22 508 | 6+6 gang |

TONER BLACK



| | |
|-----------|----------|
| GW 22 511 | 1 gang |
| GW 22 512 | 2 gang |
| GW 22 513 | 3 gang |
| GW 22 514 | 4 gang |
| GW 22 516 | 6 gang |
| GW 22 517 | 4+4 gang |

Painted technopolymer

TITANIUM



| | |
|-----------|----------|
| GW 22 601 | 1 gang |
| GW 22 602 | 2 gang |
| GW 22 603 | 3 gang |
| GW 22 604 | 4 gang |
| GW 22 606 | 6 gang |
| GW 22 607 | 4+4 gang |
| GW 22 608 | 6+6 gang |

SLATE



| | |
|-----------|----------|
| GW 22 611 | 1 gang |
| GW 22 612 | 2 gang |
| GW 22 613 | 3 gang |
| GW 22 614 | 4 gang |
| GW 22 616 | 6 gang |
| GW 22 617 | 4+4 gang |
| GW 22 618 | 6+6 gang |

Metallised technopolymer

SOFT CHROME



| | |
|-----------|----------|
| GW 22 651 | 1 gang |
| GW 22 652 | 2 gang |
| GW 22 653 | 3 gang |
| GW 22 654 | 4 gang |
| GW 22 656 | 6 gang |
| GW 22 657 | 4+4 gang |

ANTIQUÉ GOLD



| | |
|-----------|----------|
| GW 22 661 | 1 gang |
| GW 22 662 | 2 gang |
| GW 22 663 | 3 gang |
| GW 22 664 | 4 gang |
| GW 22 666 | 6 gang |
| GW 22 667 | 4+4 gang |

Technopolymer, classic colour

ENGLISH WALNUT



| | |
|-----------|----------|
| GW 22 671 | 1 gang |
| GW 22 672 | 2 gang |
| GW 22 673 | 3 gang |
| GW 22 674 | 4 gang |
| GW 22 676 | 6 gang |
| GW 22 677 | 4+4 gang |

TOP SYSTEM PLATES

DOMESTIC RANGES

GERANIUM RED



| | |
|-----------|----------|
| GW 22 521 | 1 gang |
| GW 22 522 | 2 gang |
| GW 22 523 | 3 gang |
| GW 22 524 | 4 gang |
| GW 22 526 | 6 gang |
| GW 22 527 | 4+4 gang |

VENETIAN GREEN



| | |
|-----------|----------|
| GW 22 541 | 1 gang |
| GW 22 542 | 2 gang |
| GW 22 543 | 3 gang |
| GW 22 544 | 4 gang |
| GW 22 546 | 6 gang |
| GW 22 547 | 4+4 gang |

SKY BLUE



| | |
|-----------|----------|
| GW 22 561 | 1 gang |
| GW 22 562 | 2 gang |
| GW 22 563 | 3 gang |
| GW 22 564 | 4 gang |
| GW 22 566 | 6 gang |
| GW 22 567 | 4+4 gang |

CLASSIC BURGUNDY



| | |
|-----------|----------|
| GW 22 531 | 1 gang |
| GW 22 532 | 2 gang |
| GW 22 533 | 3 gang |
| GW 22 534 | 4 gang |
| GW 22 536 | 6 gang |
| GW 22 537 | 4+4 gang |

RACING GREEN



| | |
|-----------|----------|
| GW 22 551 | 1 gang |
| GW 22 552 | 2 gang |
| GW 22 553 | 3 gang |
| GW 22 554 | 4 gang |
| GW 22 556 | 6 gang |
| GW 22 557 | 4+4 gang |

JAZZ BLUE



| | |
|-----------|----------|
| GW 22 571 | 1 gang |
| GW 22 572 | 2 gang |
| GW 22 573 | 3 gang |
| GW 22 574 | 4 gang |
| GW 22 576 | 6 gang |
| GW 22 577 | 4+4 gang |

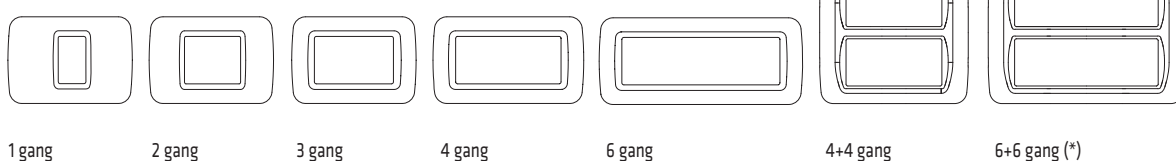
CORN YELLOW



| | |
|-----------|----------|
| GW 22 581 | 1 gang |
| GW 22 582 | 2 gang |
| GW 22 583 | 3 gang |
| GW 22 584 | 4 gang |
| GW 22 586 | 6 gang |
| GW 22 587 | 4+4 gang |

Technopolymer, in pastel colours

Modularity




(*) Cloud white, slate and titanium

VIRNA PLATES

Technopolymer

CLOUD WHITE



GW 22 1011 gang

GW 22 1022 gang

GW 22 1033 gang


GW 22 1044 gang

GW 22 1066 gang

GW 22 1074+4 gang

GW 22 1086+6 gang

TONER BLACK



GW 22 1111 gang

GW 22 1122 gang

GW 22 1133 gang


GW 22 1144 gang

GW 22 1166 gang

GW 22 1174+4 gang

Painted technopolymer

TITANIUM



GW 22 2811 gang

GW 22 2822 gang

GW 22 2833 gang


GW 22 2844 gang

GW 22 2866 gang

GW 22 2874+4 gang

GW 22 2886+6 gang

SLATE



GW 22 2911 gang

GW 22 2922 gang

GW 22 2933 gang

GW 22 2944 gang


GW 22 2966 gang

GW 22 2974+4 gang

GW 22 2986+6 gang

Metallised technopolymer

SOFT CHROME



GW 22 2511 gang

GW 22 2522 gang


GW 22 2533 gang

GW 22 2544 gang

GW 22 2566 gang

GW 22 2544 gang

ANTIQUE GOLD



GW 22 2611 gang

GW 22 2622 gang

GW 22 2633 gang

GW 22 2644 gang

GW 22 2666 gang

GW 22 2674+4 gang

Technopolymer, classic colour

ENGLISH WALNUT



GW 22 2711 gang

GW 22 2722 gang

GW 22 2733 gang

GW 22 2744 gang

GW 22 2766 gang

GW 22 2774+4 gang

VIRNA PLATES

GERANIUM RED



| | |
|-----------|----------|
| GW 22 121 | 1 gang |
| GW 22 122 | 2 gang |
| GW 22 123 | 3 gang |
| GW 22 124 | 4 gang |
| GW 22 126 | 6 gang |
| GW 22 127 | 4+4 gang |

VENETIAN GREEN



| | |
|-----------|----------|
| GW 22 141 | 1 gang |
| GW 22 142 | 2 gang |
| GW 22 143 | 3 gang |
| GW 22 144 | 4 gang |
| GW 22 146 | 6 gang |
| GW 22 147 | 4+4 gang |

SKY BLUE



| | |
|-----------|----------|
| GW 22 161 | 1 gang |
| GW 22 162 | 2 gang |
| GW 22 163 | 3 gang |
| GW 22 164 | 4 gang |
| GW 22 166 | 6 gang |
| GW 22 167 | 4+4 gang |

CLASSIC BURGUNDY



| | |
|-----------|----------|
| GW 22 131 | 1 gang |
| GW 22 132 | 2 gang |
| GW 22 133 | 3 gang |
| GW 22 134 | 4 gang |
| GW 22 136 | 6 gang |
| GW 22 137 | 4+4 gang |

RACING GREEN



| | |
|-----------|----------|
| GW 22 151 | 1 gang |
| GW 22 152 | 2 gang |
| GW 22 153 | 3 gang |
| GW 22 154 | 4 gang |
| GW 22 156 | 6 gang |
| GW 22 157 | 4+4 gang |

JAZZ BLUE



| | |
|-----------|----------|
| GW 22 171 | 1 gang |
| GW 22 172 | 2 gang |
| GW 22 173 | 3 gang |
| GW 22 174 | 4 gang |
| GW 22 176 | 6 gang |
| GW 22 177 | 4+4 gang |

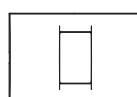
CORN YELLOW



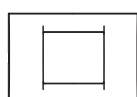
| | |
|-----------|----------|
| GW 22 181 | 1 gang |
| GW 22 182 | 2 gang |
| GW 22 183 | 3 gang |
| GW 22 184 | 4 gang |
| GW 22 186 | 6 gang |
| GW 22 187 | 4+4 gang |

Technopolymer, in pastel colours

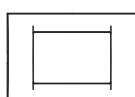
Modularity



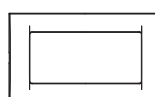
1 gang



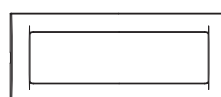
2 gang



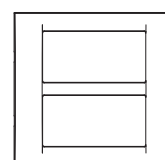
3 gang



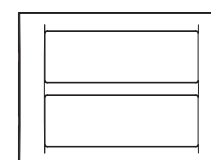
4 gang



6 gang



4+4 gang










































































6+6 gang (*)

(*) Cloud white, slate and titanium















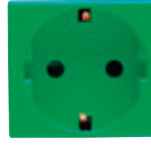



















System

COMMAND - SYSTEM WHITE

| | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|--|---|---|--|---|---|---|---|
| One-way switches |  |  |  |  |  |  |  |  | | | | | |
| | GW 20 571 1M-1P-16 AX | GW 20 572 1M-1P-16 AX Backlit 230 V ac | GW 20 583 1M-1P-16 AX Illuminable (*) | GW 20 503 1M-2P-16 AX | GW 20 504 1M-2P-16 AX Backlit 230 V ac | GW 20 584 1M-2P-16 AX Illuminable (*) | GW 20 005 1M-2P-10 AX With key | GW 20 585 1M-2P-25 AX For heavy duty loads | | | | | |
| Two-way switches |  |  |  |  |  | Intermediate switches |  |  | | | | | |
| | GW 20 576 1M-1P-16 AX | GW 20 577 1M-1P-16 AX Backlit 230 V ac | GW 20 588 1M-1P-16 AX Illuminable (*) | GW 20 008 1M-1P-10 AX With key | GW 20 589 2M-1P-16 AX Illuminable (*) | | GW 20 579 1M-1P-16 AX | GW 20 580 2M-1P-16 AX Illuminable (*) | | | | | |
| Push-buttons |  |  |  |  |  |  |  |  |  |  | | | |
| | GW 20 510 1M-1P-NO-10 A | GW 20 515 Backlit 230 V ac GW 20 516 Backlit 12/24 V | GW 20 529 1M-1P-NO-10 A Illuminable (*) | GW 20 531 1M-1P-NC-10 A Illuminable (*) | GW 20 511 1M-1P-NO-10 A Key | GW 20 512 1M-1P-NO-10 A Bell | GW 20 513 1M-1P-NO-10 A Light | GW 20 514 1M-1P-NO-10 A Stair light | GW 20 530 1M-2P-NO-10 A With key | GW 20 522 1M-1P-NO+NC-10 A Start | GW 20 523 1M-1P-NC+NO-10 A Stop | | |
| |  |  |  |  |  |  |  |  | | | | | |
| | GW 20 520 1M-1P-NO+NO-10 A With interlock | GW 20 521 1M-1P-NO+NO-10 A With interlock | GW 20 519 1M-1P-NC-10 A | GW 20 517 1M-2P-NO-10 A | GW 20 591 2M-1P-NO-10 A With illuminable name plate | GW 20 024 3M-1P-NO-10 A With illuminable name plate | GW 20 527 2M-1P-NO-10 A Illuminable (*) | GW 20 518 1M-2P-NO-10 A With pull-cord | | | | | |
| Three-way switches |  |  |  | Miniature lamp |  | | | Cartridge lamp |  | | | | |
| | GW 20 559 1M-1P-10 AX Positions 1-0-2 | GW 20 528 1M-1P-10 AX Positions 1-0-2 | GW 20 560 1M-2P-10 AX Positions 1-0-2 | | GW 10 893 12/24 V ac/dc GW 30 943 230 V ac GW 30 944 230 V ac GW 30 946 110/230 V ac GW 30 947 110/230 V ac | | | | GW 20 902 56x36 12 V ac/dc GW 20 903 56x36 24 V ac/dc GW 20 904 56x31 12 V ac/dc GW 20 905 56x31 24 V ac/dc GW 20 906 56,3x28 110/230 V ac GW 20 908 56,3x28 110/230 V ac | | | | |
| Lens with illuminated symbol |  |  |  |  |  |  |  |  |  |  |  |  |  |
| | GW 20 533 Neutral | GW 20 537 | GW 20 538 | GW 20 539 | GW 20 549 | GW 20 550 | GW 20 551 | GW 20 595 | GW 20 561 | GW 20 562 | GW 20 563 | GW 20 564 | GW 20 565 |
| |  |  |  |  |  |  |  |  |  |  |  |  | |
| | GW 20 540 | GW 20 542 | GW 20 592 | GW 20 593 | GW 20 596 | GW 20 597 | GW 20 594 | GW 20 566 | GW 20 567 | GW 20 568 | GW 20 569 | GW 20 570 | |
| Infrared |  | Relay |  |  |  |  | Blanking modules and cable output |  |  |  | | | |
| | GW 20 821 Movement detector 1M-1NO-3 A | | GW 20 071 Latching 1M-1P-10 A-250 V ac | GW 20 072 Latching 1M-2P-10 A-250 V ac | GW 20 074 Monostable 1M-1P-10 A-250 V ac-1NO/NC | GW 20 076 Call 1M-1P-NO/NC-12 V ac/dc | | GW 20 056 1M | GW 20 073 2M | GW 20 058 1M Cable output | | | |

(*) Supplied without miniature lamp unit.

POWER - SYSTEM WHITE

| | | | | | | | |
|-------------------|---|--|---|--|---|--|---|
| Italian |  |  |  |  |  |  | |
| | GW 20 201 2P+E-10 A-250 V ac | GW 20 203 2P+E-16 A-250 V ac Dual amperage | GW 20 295 2P+E-16 A-250 V ac Dual amperage | GW 20 281 2P+E-16 A-250 V ac Dual amperage | GW 20 286 2P+E-16 A-250 V ac Dual amperage | GW 20 291 2x2P+E-16 A-250 V ac Dual amperage | |
| Italian/German |  |  |  |  |  | Swiss  | |
| | GW 20 205 2P+E-16 A-250 V ac | GW 20 246 2P+E-16 A-250 V ac Dual amperage | GW 20 296 2P+E-16 A-250 V ac Dual amperage | GW 20 282 2P+E-16 A-250 V ac Dual amperage | GW 20 287 2P+E-16 A-250 V ac Dual amperage | | |
| German |  |  |  |  | French  |  |  |
| | GW 20 265 2P+E-16 A-250 V ac | GW 20 297 2P+E-16 A-250 V ac | GW 20 283 2P+E-16 A-250 V ac | GW 20 288 2P+E-16 A-250 V ac | | GW 20 207 2P+E-16 A-250 V ac | GW 20 312 2P+E-16 A-250 V ac |
| British |  |  | Australian  |  | | | |
| | GW 20 208 2P+E-13 A-250 V ac | GW 20 209 2P+E-16 A-250 V ac | | GW 20 357 10A 250V~ 2P+E-10 A-250 V ac | GW 20 356 15A 250V~ 2P+E-15 A-250 V ac | | |
| Euro-american/USA |  |  |  | | | | |
| | GW 20 212 2P+E-10/15 A-250/125 V ac | GW 20 214 2P+E-15 A-125 V ac | GW 20 216 2P+E-15 A-250 V ac | | | | |
| Argentinian |  | Israeli  |  |  |  | | |
| | GW 20 248 2P+E-10 A-250 V ac | | GW 20 298 2P+E-16 A-250 V ac Illuminable (*) | GW 20 299 2P+E-16 A-250 V ac Illuminable (*) | GW 20 320 2P-10 A-250 V ac | | |
| Special sockets |  |  |  | | | | |
| | GW 20 239 SELV 2P-6 A-24 V | GW 20 234 SELV 2P-6 A-24 V Polarised | GW 20 241 For loudspeaker | | | | |

DATA - SYSTEM WHITE

| | | | | | | | | | |
|-----------------------|---|---|--|--|---|--|--|--|---|
| TV-SAT |  <p>F female GW 20 391 - 0 dB GW 20 396 - 5 dB GW 20 392 - 10 dB GW 20 393 - 14 dB</p> |  <p>IEC male GW 20 381 - 0 dB GW 20 386 - 5 dB GW 20 382 - 10 dB GW 20 383 - 14 dB</p> |  <p>IEC female GW 20 228 - 0 dB GW 20 229 - 20 dB GW 20 230 - Term. 20 dB</p> |  <p>GW 20 277 Terminal resistance 75 ohm</p> | Telephone sockets |  <p>GW 20 251 RJ11</p> |  <p>GW 20 252 RJ11 double</p> |  <p>GW 20 235 French 8 contacts</p> |  <p>GW 20 272 British 6 contacts</p> |
| Data sockets |  <p>RJ45 - UTP</p> |  <p>RJ45 - FTP</p> |  <p>Adapters</p> |  <p>GW 20 266 IBM GW 20 267 SYSTIMAX Commscope GW 20 270 AMP/Keystone Jack</p> |  <p>GW 20 237 BNC 50/75/93 ohm</p> |  <p>GW 20 238 Unwired enclosure for SUB-D 9/15/25 PIN</p> | | | |
| USB and HDMI couplers |  <p>GW 38 056 HDMI coupler</p> |  <p>GW 38 057 USB coupler</p> |  <p>GW 20 361 Double USB power supply</p> | | | | | | |

POWER, COMFORT AND CLIMATE MANAGEMENT - SYSTEM WHITE

| | | | | | | |
|----------------------------|---|--|--|---|--|--|
| Dimmer |  <p>GW 20 802 Resistive 100-500 W 230 V ac-50/60 Hz</p> <p>GW 20 811 Resistive 100-500 W Inductive 100-500 VA With two-way switch 230 V ac-50/60 Hz</p> |  <p>GW 20 803 ▲ Resistive 100-900 W Inductive 40-300 VA 230 V ac-50/60 Hz</p> |  <p>GW 20 828 Resistive 60-500 W Inductive 60-500 VA 230 V ac-50/60 Hz</p> <p>GW 20 829 For electronic transformers 230 V ac-50/60 Hz</p> <p>GW 20 818 For air agitators Inductive 55-80 VA 230 V ac-50/60 Hz</p> | Electronic timer |  <p>GW 20 825 230 V ac-50/60 Hz Daily/Weekly</p> |  <p>GW 20 810 2M</p> |
| | | | | | | |
| Climate control |  <p>GW 20 852 Thermostat 230 V ac-50/60 Hz</p> |  <p>GW 20 827 Timed thermostat 230 V ac-50/60 Hz</p> |  <p>GW 10 701 Timed thermostat white Wall-mounting</p> |  <p>GW 14 701 Timed thermostat titanium Wall-mounting</p> | | |
| | | | | | | |
| Automatic circuit breakers |  <p>Miniature circuit breakers 3 kA C characteristic</p> <p>GW 20 431* - 6 A GW 20 432 - 10 A GW 20 433 - 16 A 1P</p> <p>GW 20 434 - 6 A GW 20 435 - 10 A GW 20 436 - 16 A 1P+N</p> <p>GW 20 454 - 6 A GW 20 455 - 10 A GW 20 456 - 16 A 1P+N colour red</p> |  <p>Residual miniature circuit breakers 3 kA C characteristic</p> | <p>GW 20 437 - 6 A GW 20 438 - 10 A GW 20 439 - 16 A 1P+N-10 mA</p> <p>GW 20 448 - 6 A GW 20 449 - 10 A GW 20 450 - 16 A 1P+N-30 mA</p> | Protection devices |  <p>GW 20 423 Surge protection device</p> |  <p>GW 20 401 Fuse-holder In MAX=16 A</p> |
| | | | | | | |
| Components for hotel |  <p>GW 20 820 Universal badge switch 1P-NO-10 A</p> |  <p>GW 20 841 Shaver socket-outlet 230 V ac-50/60 Hz</p> |  <p>GW 20 853 Thermostat for fan-coil 230 V ac-50/60 Hz</p> | | | |

▲ = Items designed solely to export to a limited number of countries outside the European Union or proposed as candidate and to the European Free Trade Association. Contact Gewiss customer service to check if the product meets the regulations of the country concerned before importing it.

INDICATOR AND THECNICAL ALARMS - SYSTEM WHITE

Anti black-out lamps



GW 20 833
230 V ac-50/60 Hz
Removable



GW 20 835
230 V ac-50/60 Hz

Ringers and buzzers



GW 20 613- 12 V ac
GW 20 616- 230 V ac
Ringers



GW 20 617- 12 V ac
GW 20 620- 230 V ac
Buzzers



GW 20 643- 230 V ac
GW 20 641- 12 V ac/dc
Three independent inputs

Indicator lamps



● GW 20 603
● GW 20 604
● GW 20 605
○ GW 20 606
● GW 20 631

Flat diffuser
Illuminable (*)




GW 20 607- 230 V ac
GW 20 608- 12/24 V ac/dc

Flat diffuser complete
with lamp



GW 20 634
Stair riser lamp
2M



○ GW 20 601
● GW 20 623
● GW 20 625
● GW 20 624
● GW 20 626
Flat diffuser 12/24 V ac/dc



○ GW 20 602
● GW 20 627
● GW 20 629
● GW 20 628
● GW 20 630
Protruding diffuser 12/24 V ac/dc



GW 20 622
Lamp-holder E27

Detectors



GW 20 867
Methane GAS
12 V ac/dc



GW 20 868
LPG
12 V ac/dc



GW A1 514
Water sensor ZigBee



GW A1 521
1-channel actuator ZigBee
230 V ac-50 Hz

Accessories



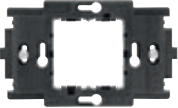
GW 10 720
Power supply
100/240 V ac-50/60
Hz-12 V dc



GW 30 522
GAS solenoid valve
3/4"-230 V ac-12 VA


SUPPORTS

Supports for square and rectangular boxes




GW 24 262 With screws - 2 gangs


Supports for rectangular boxes




GW 24 201 With screws - 3 gangs




GW 24 202 With screws - 4 gangs



GW 24 230 With screws - 6 gangs



GW 24 240 With screws - 4+4 gangs



GW 24 241 With screws - 6+6 gangs

(*) Supplied without miniature lamp unit.















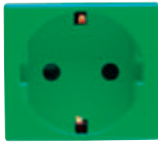


















System

COMMAND - SYSTEM BLACK

| | | | | | | | | | | | | |
|------------------------------|--|--|---|--|--|--|---|---|--|---|--|--|
| One-way switches |  GW 21 571 1M-1P-16 AX |  GW 21 572 1M-1P-16 AX Backlit 230 V ac |  GW 21 583 1M-1P-16 AX Illuminable (*) |  GW 21 503 1M-2P-16 AX |  GW 21 504 1M-2P-16 AX Backlit 230 V ac |  GW 21 584 1M-2P-16 AX Illuminable (*) |  GW 21 005 1M-2P-10 AX With key |  GW 21 585 1M-2P-25 AX For heavy duty loads | | | | |
| |  GW 21 576 1M-1P-16 AX |  GW 21 577 1M-1P-16 AX Backlit 230 V ac |  GW 21 588 1M-1P-16 AX Illuminable (*) |  GW 21 008 1M-1P-10 AX With key |  GW 21 589 2M-1P-16 AX Illuminable (*) | | Intermediate switches | |  GW 21 579 1M-1P-16 AX |  GW 21 580 2M-1P-16 AX Illuminable (*) | | |
| Two-way switches |  GW 21 510 1M-1P-NO-10 A |  GW 21 515 Backlit 230 V ac GW 21 516 Backlit 12/24 V |  GW 21 529 1M-1P-NO-10 A Illuminable (*) |  GW 21 531 1M-1P-NC-10 A Illuminable (*) |  GW 21 511 1M-1P-NO-10 A Key |  GW 21 512 1M-1P-NO-10 A Bell |  GW 21 513 1M-1P-NO-10 A Light |  GW 21 514 1M-1P-NO-10 A Stair light |  GW 21 530 1M-2P-NO-10 A With key |  GW 21 522 1M-1P-NO+NC-10 A Start |  GW 21 523 1M-1P-NC+NO-10 A Stop | |
| |  GW 21 520 1M-1P-NO+NO-10 A With interlock |  GW 21 521 1M-1P-NO+NO-10 A With interlock |  GW 21 519 1M-1P-NC-10 A |  GW 21 517 1M-2P-NO-10 A |  GW 21 591 2M-1P-NO-10 A With illuminable name plate | |  GW 21 024 3M-1P-NO-10 A With illuminable name plate | |  GW 21 527 2M-1P-NO-10 A Illuminable (*) |  GW 21 518 1M-2P-NO-10 A With pull-cord | | |
| Push-buttons | Three-way switches | | Miniature lamp | | Cartridge lamp | | | | | | | |
| |  GW 21 559 1M-1P-10 AX Positions 1-0-2 |  GW 21 528 1M-1P-10 AX Positions 1-0-2 |  GW 10 893 12/24 V ac/dc White GW 30 943 230 V ac Red GW 30 944 230 V ac Green GW 30 946 110/230 V ac Light blue GW 30 947 110/230 V ac White | |  GW 20 902 S6x36 12 V ac/dc White GW 20 903 S6x36 24 V ac/dc White GW 20 904 S6x31 12 V ac/dc White GW 20 905 S6x31 24 V ac/dc White GW 20 906 S6.3x28 110/230 V ac Red GW 20 908 S6.3x28 110/230 V ac Green | | | | | | | |
| Three-way switches | Lens with illuminated symbol | | General services | | Technical services | | OFF | | Numerical services | | | |
| |  GW 20 533 Neutral |  GW 20 537 |  GW 20 538 |  GW 20 539 |  GW 20 549 |  GW 20 550 |  GW 20 551 |  GW 20 595 |  GW 20 561 |  GW 20 562 |  GW 20 563 |  GW 20 564 |
| Lens with illuminated symbol | Relay | | Blanking modules and cable output | | | | | | | | | |
| |  GW 21 821 Movement detector 1M-1NO-3 A |  GW 21 071 Latching 1M-1P-10 A-250 V ac |  GW 21 072 Latching 1M-2P-10 A-250 V ac |  GW 21 074 Monostable 1M-1P-10 A-250 V ac-1NO/NC |  GW 21 076 Call 1M-1P-NO/NC-12 V ac/dc |  GW 21 056 1M | |  GW 21 073 2M | |  GW 21 058 1M Cable output | | |

(*) Supplied without miniature lamp unit.

POWER - SYSTEM BLACK

| | | | | | | | |
|-------------------|---|--|---|--|---|--|---|
| Italian |  |  |  |  |  |  | |
| | GW 21 201 2P+E-10 A-250 V ac | GW 21 203 2P+E-16 A-250 V ac Dual amperage | GW 20 295 2P+E-16 A-250 V ac Dual amperage | GW 20 281 2P+E-16 A-250 V ac Dual amperage | GW 20 286 2P+E-16 A-250 V ac Dual amperage | GW 21 291 2x2P+E-16 A-250 V ac Dual amperage | |
| Italian/German |  |  |  |  |  | Swiss  | |
| | GW 21 205 2P+E-16 A-250 V ac | GW 21 246 2P+E-16 A-250 V ac Dual amperage | GW 20 296 2P+E-16 A-250 V ac Dual amperage | GW 20 282 2P+E-16 A-250 V ac Dual amperage | GW 20 287 2P+E-16 A-250 V ac Dual amperage | | |
| German |  |  |  |  | French  |  |  |
| | GW 21 265 2P+E-16 A-250 V ac | GW 20 297 2P+E-16 A-250 V ac | GW 20 283 2P+E-16 A-250 V ac | GW 20 288 2P+E-16 A-250 V ac | | GW 21 207 2P+E-16 A-250 V ac | GW 20 312 2P+E-16 A-250 V ac |
| British |  |  | Australian  |  | | | |
| | GW 21 208 2P+E-13 A-250 V ac | GW 21 209 2P+E-16 A-250 V ac | | GW 21 357 2P+E-10 A-250 V ac | GW 21 356 2P+E-15 A-250 V ac | | |
| Euro-american/USA |  |  |  | | | | |
| | GW 21 212 2P+E-10/15 A-250/125 V ac | GW 21 214 2P+E-15 A-125 V ac | GW 21 216 2P+E-15 A-250 V ac | | | | |
| Argentinian |  | Israeli  |  |  | | | |
| | GW 21 248 2P+E-10 A-250 V ac | | GW 20 298 2P+E-16 A-250 V ac Illuminable (*) | GW 20 299 2P+E-16 A-250 V ac Illuminable (*) | | | |
| Special sockets |  |  |  | | | | |
| | GW 21 239 SELV 2P-6 A-24 V | GW 21 234 SELV 2P-6 A-24 V Polarised | GW 21 241 For loudspeaker | | | | |

(*) Supplied without miniature lamp unit.

DATA - SYSTEM BLACK

| | | | | | | | | | |
|------------------------------|---|---|---|--|---|--|---|---|--|
| TV-SAT |  F female GW 21 391 - 0 dB GW 21 396 - 5 dB GW 21 392 - 10 dB GW 21 393 - 14 dB |  IEC male GW 21 381 - 0 dB GW 21 386 - 5 dB GW 21 382 - 10 dB GW 21 383 - 14 dB |  IEC female GW 21 228 - 0 dB GW 21 229 - 20 dB GW 21 230 - Term. 20 dB |  GW 20 277 Terminal resistance 75 ohm | Telephone sockets |  GW 21 251 RJ11 |  GW 21 252 RJ11 double |  GW 21 235 French 8 contacts |  GW 21 272 British 6 contacts |
| Data sockets |  RJ45 - UTP GW 21 685 Cat. 6 GW 21 684 Cat. 6 GW 21 271 Cat. 5e |  RJ45 - FTP GW 21 686 Cat. 6 GW 21 243 Cat. 5e |  Adapters GW 21 266 IBM GW 21 267 SYSTIMAX Commscope GW 21 270 AMP/Keystone Jack |  GW 21 237 BNC 50/75/93 ohm |  GW 21 238 Unwired enclosure for SUB-D 9/15/25 PIN | | | | |
| USB and HDMI couplers |  GW 38 056 HDMI coupler |  GW 38 057 USB coupler | | | | | | | |

POWER, COMFORT AND CLIMATE MANAGEMENT - SYSTEM BLACK

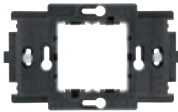
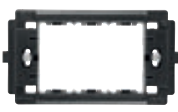



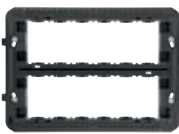
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|-----------------------------------|--|--|--|---|--|--------------|--|
| Dimmer |  GW 21 802 Resistive 100-500 W 230 V ac-50/60 Hz GW 21 811 Resistive 100-500 W Inductive 100-500 VA With two-way switch 230 V ac-50/60 Hz |  GW 21 803 ▲ Resistive 100-900 W Inductive 40-300 VA 230 V ac-50/60 Hz |  GW 21 828 Resistive 60-500 W Inductive 60-500 VA 230 V ac-50/60 Hz GW 21 829 For electronic transformers 230 V ac-50/60 Hz GW 21 818 For air agitators Inductive 55-80 VA 230 V ac-50/60 Hz | Electronic timer |  GW 21 825 230 V ac-50/60 Hz Daily/Weekly | Timer |  GW 21 810 2M |
| Climate control |  GW 21 852 Thermostat 230 V ac-50/60 Hz |  GW 21 827 Timed thermostat 230 V ac-50/60 Hz |  GW 10 701 Timed thermostat white Wall-mounting |  GW 14 701 Timed thermostat titanium Wall-mounting | | | |
| Automatic circuit breakers |  Miniature circuit breakers 3 kA C characteristic GW 21 431* ~ 6 A GW 21 432 - 10 A GW 21 433 - 16 A 1P GW 21 434 - 6 A GW 21 435 - 10 A GW 21 436 - 16 A 1P+N GW 20 454 - 6 A GW 20 455 - 10 A GW 20 456 - 16 A 1P+N colour red |  Residual miniature circuit breakers 3 kA C characteristic GW 21 437 - 6 A GW 21 438 - 10 A GW 21 439 - 16 A 1P+N-10 mA GW 21 448 - 6 A GW 21 449 - 10 A GW 21 450 - 16 A 1P+N-30 mA | Protection devices |  GW 21 423 Surge protection device |  GW 21 401 Fuse-holder In MAX=16 A | | |
| Components for hotel |  GW 21 820 Universal badge switch 1P-NO-10 A |  GW 21 841 Shaver socket-outlet 230 V ac-50/60 Hz |  GW 21 853 Thermostat for fan-coil 230 V ac-50/60 Hz | | | | |

▲ -Items designed solely to export to a limited number of countries outside the European Union or proposed as candidate and to the European Free Trade Association. Contact Gewiss customer service to check if the product meets the regulations of the country concerned before importing it.

INDICATOR AND TECHNICAL ALARMS - SYSTEM BLACK

| | | | | | | | |
|----------------------|---|---|---|--|--|---|---|
| Anti black-out lamps |  |  | Ringers and buzzers |  |  |  | |
| | GW 21 833 230 V ac-50/60 Hz Removable | GW 21 835 230 V ac-50/60 Hz | | GW 21 613-12 V ac GW 21 616-230 V ac Ringers | GW 21 617-12 V ac GW 21 620-230 V ac Buzzers | GW 21 643-230 V ac GW 21 641-12 V ac/dc Three independent inputs | |
| Indicator lamps |  |  | |  |  |  |  |
| | Flat diffuser Illuminable (*) | Flat diffuser complete with lamp | | GW 21 634 Stair riser lamp 2M | GW 20 601 GW 20 623 GW 20 625 Flat diffuser 12/24 V ac/dc | GW 20 602 GW 20 627 GW 20 629 Protruding diffuser 12/24 V ac/dc | GW 20 622 Lamp-holder E27 |
| Detectors |  |  |  |  | Accessories |  |  |
| | GW 21 857 Methane GAS 12 V ac/dc | GW 21 868 LPG 12 V ac/dc | GW A1 514 Water sensor ZigBee | GW A1 521 1-channel actuator ZigBee 230 V ac-50 Hz | | GW 10 720 Power supply 100/240 V ac-50/60 Hz-12 V dc | GW 30 522 GAS solenoid valve 3/4"-230 V ac-12 VA |

SUPPORTS

| | | | | | |
|---|---|--------------------------------|---|--|---|
| Supports for square and rectangular boxes |  | Supports for rectangular boxes |  |  |  |
| | GW 24 262 With screws - 2 gangs | | GW 24 201 With screws - 3 gangs | GW 24 202 With screws - 4 gangs | GW 24 230 With screws - 6 gangs |
| | | |  |  | |
| | | | GW 24 240 With screws - 4+4 gangs | GW 24 241 With screws - 6+6 gangs | |

(*) Supplied without miniature lamp unit.

System

Plates and modular devices

A range of modular devices ideal for flush-mounting solutions (for rectangular or square boxes), surface-mounting solutions, and for special applications. The domestic range is distinguished by its black satin or white gloss devices and plates in 14 colours and two different forms, modern or classic, with glossy finish. The range includes commands, socket-outlets, protection, indicators, connectors and devices for the control, safety and comfort of your home.



Technical characteristics [page 367](#)

TOP SYSTEM PLATES

TECHNOPOLYMER



GW 22 503

TOP SYSTEM - CLOUD WHITE

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 501 | 1 gang | | GW24201 | 96 |
| GW 22 502 | 2 gang | | GW24262 | 96 |
| GW 22 503 | 3 gang | | GW24201 | 96 |
| GW 22 504 | 4 gang | | GW24202 | 96 |
| GW 22 506 | 6 gang | | GW24230 | 48 |
| GW 22 507 | 4+4 gang | Overlapping | GW24240 | 6 |
| GW 22 508 | 6+6 gang | Overlapping | GW24241 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 513

TOP SYSTEM - TONER BLACK

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 511 | 1 gang | | GW24201 | 96 |
| GW 22 512 | 2 gang | | GW24262 | 12 |
| GW 22 513 | 3 gang | | GW24201 | 96 |
| GW 22 514 | 4 gang | | GW24202 | 12 |
| GW 22 516 | 6 gang | | GW24230 | 8 |
| GW 22 517 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.

TECHNOPOLYMER, IN PASTEL COLOURS



GW 22 523

TOP SYSTEM - GERANIUM RED

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 521 | 1 gang | | GW24201 | 24 |
| GW 22 522 | 2 gang | | GW24262 | 12 |
| GW 22 523 | 3 gang | | GW24201 | 24 |
| GW 22 524 | 4 gang | | GW24202 | 12 |
| GW 22 526 | 6 gang | | GW24230 | 8 |
| GW 22 527 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 533

TOP SYSTEM - CLASSIC BURGUNDY

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 531 | 1 gang | | GW24201 | 24 |
| GW 22 532 | 2 gang | | GW24262 | 12 |
| GW 22 533 | 3 gang | | GW24201 | 24 |
| GW 22 534 | 4 gang | | GW24202 | 12 |
| GW 22 536 | 6 gang | | GW24230 | 8 |
| GW 22 537 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 543

TOP SYSTEM - VENETIAN GREEN

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 541 | 1 gang | | GW24201 | 24 |
| GW 22 542 | 2 gang | | GW24262 | 12 |
| GW 22 543 | 3 gang | | GW24201 | 24 |
| GW 22 544 | 4 gang | | GW24202 | 12 |
| GW 22 546 | 6 gang | | GW24230 | 8 |
| GW 22 547 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.

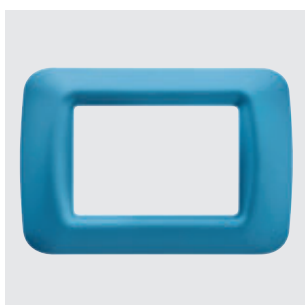


GW 22 553

TOP SYSTEM - RACING GREEN

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 551 | 1 gang | | GW24201 | 24 |
| GW 22 552 | 2 gang | | GW24262 | 12 |
| GW 22 553 | 3 gang | | GW24201 | 24 |
| GW 22 554 | 4 gang | | GW24202 | 12 |
| GW 22 556 | 6 gang | | GW24230 | 8 |
| GW 22 557 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 563

TOP SYSTEM - SKY BLUE

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 561 | 1 gang | | GW24201 | 24 |
| GW 22 562 | 2 gang | | GW24262 | 12 |
| GW 22 563 | 3 gang | | GW24201 | 24 |
| GW 22 564 | 4 gang | | GW24202 | 12 |
| GW 22 566 | 6 gang | | GW24230 | 8 |
| GW 22 567 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.

System



GW 22 573

TOP SYSTEM - JAZZ BLUE

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 571 | 1 gang | | GW24201 | 24 |
| GW 22 572 | 2 gang | | GW24262 | 12 |
| GW 22 573 | 3 gang | | GW24201 | 24 |
| GW 22 574 | 4 gang | | GW24202 | 12 |
| GW 22 576 | 6 gang | | GW24230 | 8 |
| GW 22 577 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 583

TOP SYSTEM - CORN YELLOW

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 581 | 1 gang | | GW24201 | 24 |
| GW 22 582 | 2 gang | | GW24262 | 12 |
| GW 22 583 | 3 gang | | GW24201 | 24 |
| GW 22 584 | 4 gang | | GW24202 | 12 |
| GW 22 586 | 6 gang | | GW24230 | 8 |
| GW 22 587 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER

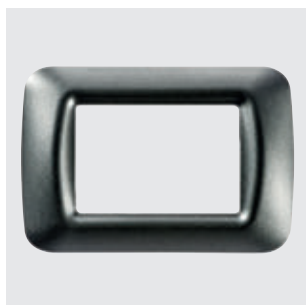


GW 22 603

TOP SYSTEM - TITANIUM

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 601 | 1 gang | | GW24201 | 12 |
| GW 22 602 | 2 gang | | GW24262 | 12 |
| GW 22 603 | 3 gang | | GW24201 | 12 |
| GW 22 604 | 4 gang | | GW24202 | 12 |
| GW 22 606 | 6 gang | | GW24230 | 8 |
| GW 22 607 | 4+4 gang | Overlapping | GW24240 | 6 |
| GW 22 608 | 6+6 gang | Overlapping | GW24241 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 613

TOP SYSTEM - SLATE

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 611 | 1 gang | | GW24201 | 12 |
| GW 22 612 | 2 gang | | GW24262 | 12 |
| GW 22 613 | 3 gang | | GW24201 | 12 |
| GW 22 614 | 4 gang | | GW24202 | 12 |
| GW 22 616 | 6 gang | | GW24230 | 8 |
| GW 22 617 | 4+4 gang | Overlapping | GW24240 | 6 |
| GW 22 618 | 6+6 gang | Overlapping | GW24241 | 6 |

CHARACTERISTICS: glossy finish.

TECHNOPOLYMER, CLASSIC COLOUR



GW 22 673

TOP SYSTEM - ENGLISH WALNUT

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 671 | 1 gang | | GW24201 | 12 |
| GW 22 672 | 2 gang | | GW24262 | 12 |
| GW 22 673 | 3 gang | | GW24201 | 12 |
| GW 22 674 | 4 gang | | GW24202 | 12 |
| GW 22 676 | 6 gang | | GW24230 | 8 |
| GW 22 677 | 4+4 gang | Overlapping | GW24240 | 6 |

METALLISED TECHNOPOLYMER



GW 22 653

TOP SYSTEM - SOFT CHROME

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 651 | 1 gang | | GW24201 | 12 |
| GW 22 652 | 2 gang | | GW24262 | 12 |
| GW 22 653 | 3 gang | | GW24201 | 12 |
| GW 22 654 | 4 gang | | GW24202 | 12 |
| GW 22 656 | 6 gang | | GW24230 | 8 |
| GW 22 657 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 663

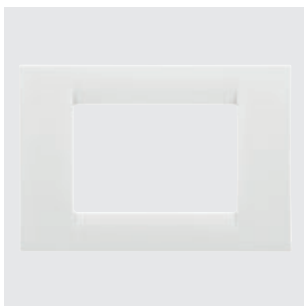
TOP SYSTEM - ANTIQUE GOLD

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 661 | 1 gang | | GW24201 | 12 |
| GW 22 662 | 2 gang | | GW24262 | 12 |
| GW 22 663 | 3 gang | | GW24201 | 12 |
| GW 22 664 | 4 gang | | GW24202 | 12 |
| GW 22 666 | 6 gang | | GW24230 | 8 |
| GW 22 667 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.

VIRNA PLATES

TECHNOPOLYMER

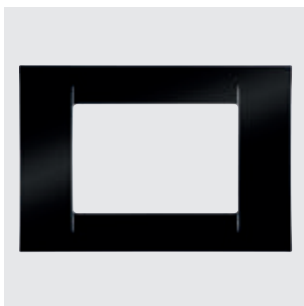


GW 22 103

VIRNA - CLOUD WHITE

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 101 | 1 gang | | GW24201 | 96 |
| GW 22 102 | 2 gang | | GW24262 | 96 |
| GW 22 103 | 3 gang | | GW24201 | 96 |
| GW 22 104 | 4 gang | | GW24202 | 96 |
| GW 22 106 | 6 gang | | GW24230 | 48 |
| GW 22 107 | 4+4 gang | Overlapping | GW24240 | 6 |
| GW 22 108 | 6+6 gang | Overlapping | GW24241 | 6 |

CHARACTERISTICS: glossy finish.



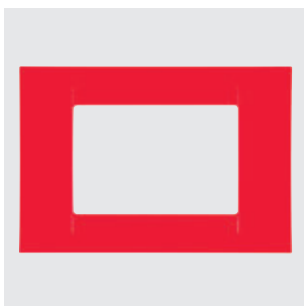
GW 22 113

VIRNA - TONER BLACK

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 111 | 1 gang | | GW24201 | 96 |
| GW 22 112 | 2 gang | | GW24262 | 12 |
| GW 22 113 | 3 gang | | GW24201 | 96 |
| GW 22 114 | 4 gang | | GW24202 | 12 |
| GW 22 116 | 6 gang | | GW24230 | 8 |
| GW 22 117 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.

TECHNOPOLYMER, IN PASTEL COLOURS

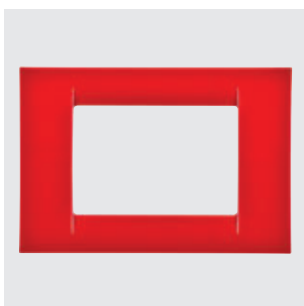


GW 22 123

VIRNA - GERANIUM RED

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 121 | 1 gang | | GW24201 | 24 |
| GW 22 122 | 2 gang | | GW24262 | 12 |
| GW 22 123 | 3 gang | | GW24201 | 24 |
| GW 22 124 | 4 gang | | GW24202 | 12 |
| GW 22 126 | 6 gang | | GW24230 | 8 |
| GW 22 127 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 133

VIRNA - CLASSIC BURGUNDY

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 131 | 1 gang | | GW24201 | 24 |
| GW 22 132 | 2 gang | | GW24262 | 12 |
| GW 22 133 | 3 gang | | GW24201 | 24 |
| GW 22 134 | 4 gang | | GW24202 | 12 |
| GW 22 136 | 6 gang | | GW24230 | 8 |
| GW 22 137 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.

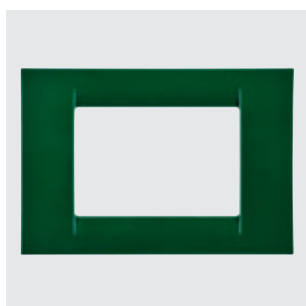


GW 22 143

VIRNA - VENETIAN GREEN

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 141 | 1 gang | | GW24201 | 24 |
| GW 22 142 | 2 gang | | GW24262 | 12 |
| GW 22 143 | 3 gang | | GW24201 | 24 |
| GW 22 144 | 4 gang | | GW24202 | 12 |
| GW 22 146 | 6 gang | | GW24230 | 8 |
| GW 22 147 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 153

VIRNA - RACING GREEN

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 151 | 1 gang | | GW24201 | 24 |
| GW 22 152 | 2 gang | | GW24262 | 12 |
| GW 22 153 | 3 gang | | GW24201 | 24 |
| GW 22 154 | 4 gang | | GW24202 | 12 |
| GW 22 156 | 6 gang | | GW24230 | 8 |
| GW 22 157 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 163

VIRNA - SKY BLUE

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 161 | 1 gang | | GW24201 | 24 |
| GW 22 162 | 2 gang | | GW24262 | 12 |
| GW 22 163 | 3 gang | | GW24201 | 24 |
| GW 22 164 | 4 gang | | GW24202 | 12 |
| GW 22 166 | 6 gang | | GW24230 | 8 |
| GW 22 167 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 173

VIRNA - JAZZ BLUE

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 171 | 1 gang | | GW24201 | 24 |
| GW 22 172 | 2 gang | | GW24262 | 12 |
| GW 22 173 | 3 gang | | GW24201 | 24 |
| GW 22 174 | 4 gang | | GW24202 | 12 |
| GW 22 176 | 6 gang | | GW24230 | 8 |
| GW 22 177 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 183

VIRNA - CORN YELLOW

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 181 | 1 gang | | GW24201 | 24 |
| GW 22 182 | 2 gang | | GW24262 | 12 |
| GW 22 183 | 3 gang | | GW24201 | 24 |
| GW 22 184 | 4 gang | | GW24202 | 12 |
| GW 22 186 | 6 gang | | GW24230 | 8 |
| GW 22 187 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.

PAINTED TECHNOPOLYMER



GW 22 283

VIRNA - TITANIUM

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 281 | 1 gang | | GW24201 | 12 |
| GW 22 282 | 2 gang | | GW24262 | 12 |
| GW 22 283 | 3 gang | | GW24201 | 24 |
| GW 22 284 | 4 gang | | GW24202 | 12 |
| GW 22 286 | 6 gang | | GW24230 | 8 |
| GW 22 287 | 4+4 gang | Overlapping | GW24240 | 6 |
| GW 22 288 | 6+6 gang | Overlapping | GW24241 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 293

VIRNA - SLATE

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 291 | 1 gang | | GW24201 | 12 |
| GW 22 292 | 2 gang | | GW24262 | 12 |
| GW 22 293 | 3 gang | | GW24201 | 24 |
| GW 22 294 | 4 gang | | GW24202 | 12 |
| GW 22 296 | 6 gang | | GW24230 | 8 |
| GW 22 297 | 4+4 gang | Overlapping | GW24240 | 6 |
| GW 22 298 | 6+6 gang | Overlapping | GW24241 | 6 |

CHARACTERISTICS: glossy finish.

TECHNOPOLYMER, CLASSIC COLOUR



GW 22 273

VIRNA - ENGLISH WALNUT

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 271 | 1 gang | | GW24201 | 12 |
| GW 22 272 | 2 gang | | GW24262 | 12 |
| GW 22 273 | 3 gang | | GW24201 | 24 |
| GW 22 274 | 4 gang | | GW24202 | 12 |
| GW 22 276 | 6 gang | | GW24230 | 8 |
| GW 22 277 | 4+4 gang | Overlapping | GW24240 | 6 |

METALLISED TECHNOPOLYMER



GW 22 253

VIRNA - SOFT CHROME

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 251 | 1 gang | | GW24201 | 12 |
| GW 22 252 | 2 gang | | GW24262 | 12 |
| GW 22 253 | 3 gang | | GW24201 | 24 |
| GW 22 254 | 4 gang | | GW24202 | 12 |
| GW 22 256 | 6 gang | | GW24230 | 8 |
| GW 22 257 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.



GW 22 263

VIRNA - ANTIQUE GOLD

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 22 261 | 1 gang | | GW24201 | 12 |
| GW 22 262 | 2 gang | | GW24262 | 12 |
| GW 22 263 | 3 gang | | GW24201 | 24 |
| GW 22 264 | 4 gang | | GW24202 | 12 |
| GW 22 266 | 6 gang | | GW24230 | 8 |
| GW 22 267 | 4+4 gang | Overlapping | GW24240 | 6 |

CHARACTERISTICS: glossy finish.

SPECIAL PLATES, ENCLOSURES AND SUPPORTS

COMPACT SELF-SUPPORTING PLATES



GW 24 001

SELF-SUPPORTING PLATES - CLOUD WHITE



| Code | Description | Configuration | For flush mounting box | For wall mounting boxes | Characteristics | Pack Carton |
|-----------|-------------|---------------|------------------------|-------------------------|-----------------|-------------|
| GW 24 001 | 1 gang | | GW24403, GW24403PM | GW24006 | Halogen free | 1/120 |
| GW 24 002 | 2 gang | | GW24403, GW24403PM | GW24006 | Halogen free | 1/120 |
| GW 24 003 | 3 gang | | GW24403, GW24403PM | GW24006 | Halogen free | 1/120 |
| GW 24 004 | 4 gang | | GW24404, GW24404PM | - | Halogen free | 1/60 |
| GW 24 005 | 3+3 gang | Overlapping | GW24206 | GW24007 | Halogen free | 1/60 |



GW 24 211

BLANK PLATES FOR RECTANGULAR FLUSH-MOUNTING BOXES



| Code | Description | Configuration | Fixing | Colour | Characteristics | Pack Carton |
|-----------|-------------|---------------|------------|-------------|-----------------|-------------|
| GW 24 211 | 3 gang | | With screw | Cloud white | Halogen free | 1/120 |
| GW 24 212 | 3 gang | | With screw | Toner black | Halogen free | 1/120 |
| GW 24 213 | 4 gang | | With screw | Cloud white | Halogen free | 1/60 |
| GW 24 214 | 4 gang | | With screw | Toner black | Halogen free | 1/60 |
| GW 24 215 | 3+3 gang | Overlapping | With screw | Cloud white | Halogen free | 1/60 |
| GW 24 216 | 3+3 gang | Overlapping | With screw | Toner black | Halogen free | 1/60 |

WATERTIGHT PLATES



GW 22 451

SELF-SUPPORTING WATERTIGHT PLATES FOR INSTALLATION ON FLUSH-MOUNTING RECTANGULAR BOXES - IP55

| Code | Description | Colour Plate | For flush mounting box | Pack Carton |
|-----------|-------------|---------------|------------------------|-------------|
| GW 22 451 | 3 gang | Cloud white | GW24403, GW24403PM | 30 |
| GW 22 452 | 3 gang | Black | GW24403, GW24403PM | 30 |
| GW 22 453 | 3 gang | Grey RAL 7035 | GW24403, GW24403PM | 30 |
| GW 22 461 | 4 gang | Cloud white | GW24404, GW24404PM | 30 |
| GW 22 462 | 4 gang | Black | GW24404, GW24404PM | 30 |
| GW 22 463 | 4 gang | Grey RAL 7035 | GW24404, GW24404PM | 30 |

CHARACTERISTICS: ergonomic membrane with notches in UV-resistant material. Snap closing system. Opening made easy by wide key.

PLATES FOR PROFILES



GW 24 008

SELF-SUPPORTING PLATES FOR PROFILES AND PANELS COMPLETE WITH INSULATING BOX

| Code | Description | Configuration | Colour Plate | Pack Carton |
|-----------|-------------|---------------|--------------|-------------|
| GW 24 008 | 1 gang | | Cloud white | 1/60 |
| GW 24 009 | 1 gang | | Toner black | 1/60 |
| GW 24 010 | 2 gang | | Cloud white | 1/60 |
| GW 24 011 | 2 gang | | Toner black | 1/60 |
| GW 24 022 | 2+2 gang | Overlapping | Cloud white | 1/30 |
| GW 24 023 | 2+2 gang | Overlapping | Toner black | 1/30 |

CHARACTERISTICS: box colour, Grey RAL7035.

WALL-MOUNTING BOXES



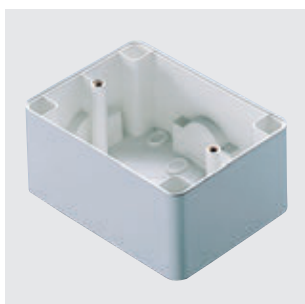
GW 22 471

WALL-MOUNTING BOXES FOR TOP SYSTEM PLATES



| Code | Suitable for | Colour | For trunking dim. (mm) | For conduits max Ø (mm) | Characteristics | Pack Carton |
|-----------|-----------------------|-------------|------------------------|-------------------------|-----------------|-------------|
| GW 22 471 | 1/2/3 gang TOP SYSTEM | Cloud white | 14x8.5 30x13 20x10 | 16 - 20 | Halogen free | 3/60 |
| GW 22 472 | 4 gang TOP SYSTEM | Cloud white | 14x8.5 30x13 20x10 | 16 - 20 | Halogen free | 3/30 |

CHARACTERISTICS: fitted for fixing the earth terminal GW26407.



GW 24 006

WALL-MOUNTING BOXES FOR COMPACT SELF-SUPPORTING PLATES



| Code | Suitable for | Colour | For trunking dim. (mm) | For conduits max Ø (mm) | Characteristics | Pack Carton |
|-----------|--------------------|-------------|------------------------|-------------------------|-----------------|-------------|
| GW 24 006 | 1/2/3 gang COMPACT | Cloud white | 14x8.5 30x13 20x10 | 16 - 20 - 25 | Halogen free | 3/60 |
| GW 24 007 | 3+3 gang COMPACT | Cloud white | 14x8.5 30x13 20x10 | 16 - 20 - 25 | Halogen free | 3/30 |

CHARACTERISTICS: fitted for fixing the earth terminal GW26407.



GW 32 431

WALL-MOUNTING BOXES FOR VIRNA PLATES



| Code | Suitable for plates | Colour | For trunking dim. (mm) | For conduits max Ø (mm) | Characteristics | Pack Carton |
|-----------|---------------------|-------------|------------------------|-------------------------|-----------------|-------------|
| GW 32 431 | 1/2/3 gangs | Cloud white | 15x17 / 22x10 / 25x17 | 16 - 20 | Halogen free | 3/60 |
| GW 32 432 | 1/2/3 gangs | Toner black | 15x17 / 22x10 / 25x17 | 16 - 20 | Halogen free | 3/60 |

CHARACTERISTICS: fitted for fixing the earth terminal GW26407.

FREE-STANDING AND WALL-MOUNTING ENCLOSURES



GW 24 018

FREE-STANDING AND WALL-MOUNTING ENCLOSURES

| Code | Description | Colour | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------|-------------|-----------------------|-------------|
| GW 24 018 | 4 gang | Cloud white | 126x91x60 | 1/30 |
| GW 24 019 | 4 gang | Toner black | 126x91x60 | 1/30 |
| GW 24 020 | 6 gang | Cloud white | 181x91x60 | 1/20 |
| GW 24 021 | 6 gang | Toner black | 181x91x60 | 1/20 |

ACCESSORIES SUPPLIED: cable gland (for max Ø 10 mm cable), cable clamp.

SUPPORTS



GW 24 201

INSULATING SUPPORTS TO INSTALL TOP SYSTEM / VIRNA PLATES ON RECTANGULAR BOXES



| Code | Description | Configuration | Fixing | Characteristics | Pack Carton |
|-----------|-------------|---------------|---------------------|-----------------|-------------|
| GW 24 201 | 3 gang | | 2 screws (included) | Halogen free | 10/300 |
| GW 24 202 | 4 gang | | 2 screws (included) | Halogen free | 10/150 |
| GW 24 230 | 6 gang | | 4 screws (included) | Halogen free | 10/100 |
| GW 24 240 | 4+4 gang | Overlapping | 4 screws (included) | Halogen free | 10/60 |
| GW 24 241 | 6+6 gang | Overlapping | 4 screws (included) | Halogen free | 10/40 |



GW 24 262

INSULATING SUPPORTS TO INSTALL TOP SYSTEM / VIRNA PLATES ON SQUARE/RECTANGULAR BOXES



| Code | Description | Fixing | Characteristics | Pack Carton |
|-----------|-------------|---------------------|-----------------|-------------|
| GW 24 262 | 2 gang | 2 screws (included) | Halogen free | 10/120 |



GW 26 409

SUPPORTS FOR ASSEMBLING SYSTEM DEVICES ON DIN RAIL

| Code | Description | No. DIN modules | Pack Carton |
|-----------|-------------|-----------------|-------------|
| GW 26 409 | 1 gang | 1.5 | 5/300 |
| GW 26 410 | 2 gang | 3 | 5/150 |

COMMAND - SYSTEM WHITE

COMMAND DEVICES



GW 20 571

ONE-WAY SWITCHES - 250V AC

| Code | Description | Button key | Symbol | No. SYSTEM modules | Pack Carton |
|-----------|-----------------------|-------------------------------|--------|--------------------|-------------|
| GW 20 571 | 1P - 16AX | Neutral | | 1 | 80/320 |
| GW 20 572 | 1P - 16 AX backlit | With replaceable neutral lens | | 1 | 30/60 |
| GW 20 583 | 1P - 16AX illuminable | With replaceable neutral lens | | 1 | 30/60 |
| GW 20 503 | 2P - 16 AX | Neutral | 0/1 | 1 | 30/60 |
| GW 20 504 | 1P - 16 AX backlit | With replaceable neutral lens | | 1 | 30/60 |
| GW 20 584 | 1P - 16AX illuminable | With replaceable neutral lens | | 1 | 30/60 |
| GW 20 005 | 2P - 10AX | With key | 0/1 | 1 | 15/30 |

CHARACTERISTICS: the illuminable articles use miniature lamp units, not included.

ACCESSORIES SUPPLIED: GW20572, GW20504 - red fluorescent 230Vac (0.4W) signalling unit. GW20005 supplied with 2 keys. The key can be extracted in both positions. Spare keys: GW20901.



GW 20 585

ONE-WAY SWITCH 2P FOR HEAVY-DUTY INSTALLATIONS - 25A - 250V AC

| Code | Description | Button key | Symbol | No. SYSTEM modules | Pack Carton |
|-----------|-------------|------------|--------|--------------------|-------------|
| GW 20 585 | 25A | Neutral | 0/1 | 1 | 15/30 |

CHARACTERISTICS: suitable for particular heavy-duty loads (e.g. set of fluorescent lamp) or high consumption devices (ovens, air-conditioners, boilers, etc.).



GW 20 576

TWO-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | No. SYSTEM modules | Pack Carton |
|-----------|-----------------------|-------------------------------|--------------------|-------------|
| GW 20 576 | 1P - 16AX | Neutral | 1 | 80/320 |
| GW 20 577 | 1P - 16 AX backlit | With replaceable neutral lens | 1 | 30/60 |
| GW 20 588 | 1P - 16AX illuminable | With replaceable neutral lens | 1 | 30/60 |
| GW 20 008 | 1P - 10AX | With key | 1 | 15/30 |

CHARACTERISTICS: the illuminable articles use miniature lamp units, not included.

ACCESSORIES SUPPLIED: GW20577 - red fluorescent 230Vac (0.4W) signalling unit. GW20008 supplied with 2 keys. The key can be extracted in both positions. Spare keys: GW20901.



GW 20 579

INTERMEDIATE SWITCH 1P - 250V AC

| Code | Description | Button key | No. SYSTEM modules | Pack Carton |
|-----------|-------------|------------|--------------------|-------------|
| GW 20 579 | 1P - 16AX | Neutral | 1 | 30/60 |



GW 20 559

THREE-WAY SWITCH 1P - 250V AC

| Code | Description | Button key | Symbol | No. SYSTEM modules | Pack Carton |
|-----------|-------------|-------------------------------|-----------|--------------------|-------------|
| GW 20 559 | 1P - 10AX | Neutral | UP - DOWN | 1 | 30/60 |
| GW 20 528 | 1P - 10AX | With replaceable neutral lens | | 1 | 30/60 |

CHARACTERISTICS: three standing positions. Both contacts are open in the central position (OFF).

GW20528 - not-illuminated product; equipped with neutral lens.

APPLICATIONS: command of circuits requiring an interlock (e.g. operating motorised devices with direction reversal). 2-user selective control.



GW 20 560

THREE-WAY SWITCH 2P - 250 V AC

| Code | Description | Button key | Symbol | No. SYSTEM modules | Pack Carton |
|-----------|-------------|------------|-----------|--------------------|-------------|
| GW 20 560 | 2P - 10AX | Neutral | UP - DOWN | 1 | 30/60 |

CHARACTERISTICS: three standing positions. Both contacts are open in the central position (OFF). With 6 terminal blocks.

APPLICATIONS: command of circuits requiring an interlock (e.g. operating motorised devices with direction reversal). 2-user selective control.



GW 20 510

PUSH-BUTTONS - 250V AC

| Code | Description | Button key | Symbol | No. SYSTEM modules | Pack Carton |
|-----------|--------------------------|-------------------------------|----------------|--------------------|-------------|
| GW 20 510 | 1P NO - 10A | Neutral | | 1 | 80/160 |
| GW 20 511 | 1P NO - 10A | With symbol | Key | 1 | 15/30 |
| GW 20 512 | 1P NO - 10A | With symbol | Bell | 1 | 15/30 |
| GW 20 513 | 1P NO - 10A | With symbol | Light | 1 | 15/30 |
| GW 20 514 | 1P NO - 10A | With symbol | Stairs | 1 | 15/30 |
| GW 20 515 | 1P NO - 10 A backlit | With replaceable neutral lens | | 1 | 30/60 |
| GW 20 516 | 1P NO - 10 A backlit | With replaceable neutral lens | | 1 | 30/60 |
| GW 20 529 | 1P NO - 10A illuminable | With replaceable neutral lens | | 1 | 30/60 |
| GW 20 531 | 1P NC - 10 A illuminable | With replaceable neutral lens | | 1 | 15/30 |
| GW 20 519 | 1P NC - 10A | Neutral | Circle | 1 | 15/30 |
| GW 20 520 | 1P NO+NO - 10A | With interlock | Double circles | 1 | 15/30 |
| GW 20 521 | 1P NO+NO - 10A | With interlock | UP - DOWN | 1 | 30/60 |
| GW 20 522 | 1P NO - 10A - Aux. NC | Start | Green | 1 | 30/60 |
| GW 20 523 | 1P NC - 10A - Aux. NO | Stop | Red | 1 | 30/60 |
| GW 20 517 | 2P NO - 10A | Neutral | Double circle | 1 | 30/60 |
| GW 20 518 | 2P NO - 10A | With pull-cord | | 1 | 20/40 |
| GW 20 530 | 2P NO - 10A | With key | 0/1 | 1 | 15/30 |

CHARACTERISTICS: the illuminable articles use miniature lamp units, not included. GW20520, GW20521, both contacts are open in the central position (OFF).

ACCESSORIES SUPPLIED: GW20515 - red fluorescent 230Vac (0.4W) signalling unit. GW20516 - white LED 12/24Vac/dc (0.4W) signalling unit. GW20518, cord in insulating material, 140cm long, with a knob. GW20530 supplied with 2 keys. Spare keys: GW30912.



GW 20 024

PUSH-BUTTONS WITH BACKLIT NAME-PLATE - 250V AC

| Code | Description | Lamp voltage | Lamp | Lamp power | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------------|-------------------------|------------|--------------------|-------------|
| GW 20 591 | 1P NO - 10A | 12-24V ac/dc | Cartridge lamp S6x36 mm | 2 W | 2 | 15/30 |
| GW 20 024 | 1P NO - 10A | 12-24V ac/dc | Cartridge lamp S6x36 mm | 2 W | 3 | 20/40 |

CHARACTERISTICS: Supplied without lamp.



GW 20 589

WIDE-BUTTON ILLUMINABLE CONTROL DEVICES - 2M - 250V AC

| Code | Description | Button key | Type | No. SYSTEM modules | Pack Carton |
|-----------|----------------------------|---------------|---------------------|--------------------|-------------|
| GW 20 589 | 1P - 16 AX - illuminable | With diffuser | Two-way switch | 2 | 15/30 |
| GW 20 580 | 1P - 16 AX - illuminable | With diffuser | Intermediate switch | 2 | 1/15 |
| GW 20 527 | 1P NO - 10 A - illuminable | With diffuser | Push-button | 2 | 15/30 |

CHARACTERISTICS: the illuminable articles use miniature lamp units, not included.

BLANKING MODULES AND OUTLET



GW 20 056

BLANKING MODULES AND CABLE OUTLET

| Code | Description | No. SYSTEM modules | Pack Carton |
|-----------|--|--------------------|-------------|
| GW 20 056 | 1 gang | 1 | 10/480 |
| GW 20 073 | 2 gang | 2 | 30/60 |
| GW 20 058 | 1 gang with outlet for cable Ø 4 and Ø 8mm | 1 | 60/120 |

APPLICATIONS: in addition to their normal use, they permit installing signal socket-outlets, microswitches and LEDs after appropriate drilling/preparation.

LENS WITH ILLUMINATED SYMBOL



SYMBOLS FOR ILLUMINABLE SWITCHES AND PUSH-BUTTONS

| Code | Description | Symbol | Pack Carton |
|---|------------------------|----------------|-------------|
| Suitable for: General services | | | |
| GW 20 533 | Neutral | | 20 |
| GW 20 537 | Open door | Key | 20 |
| GW 20 538 | Bell | Bell | 20 |
| GW 20 539 | Light | Light | 20 |
| GW 20 540 | Stair light | Stairs | 20 |
| GW 20 542 | Service | | 20 |
| Suitable for: Technical services | | | |
| GW 20 549 | Dimmer | | 20 |
| GW 20 550 | Ventilation/Extraction | | 20 |
| GW 20 551 | Monitor/TV | | 20 |
| GW 20 592 | Opening arrows | Opening arrows | 20 |
| GW 20 593 | Closing arrows | Closing arrows | 20 |
| GW 20 594 | Off | OFF | 20 |
| GW 20 595 | On | ON | 20 |
| GW 20 596 | Up arrow | | 20 |
| GW 20 597 | Down arrow | | 20 |
| Suitable for: Numerical services | | | |
| GW 20 561 | One | 1 | 20 |
| GW 20 562 | Two | 2 | 20 |
| GW 20 563 | Three | 3 | 20 |
| GW 20 564 | Four | 4 | 20 |
| GW 20 565 | Five | 5 | 20 |
| GW 20 566 | Six | 6 | 20 |
| GW 20 567 | Seven | 7 | 20 |
| GW 20 568 | Eight | 8 | 20 |
| GW 20 569 | Nine | 9 | 20 |
| GW 20 570 | Zero | 0 | 20 |

NOTES: to be used in place of the neutral lens supplied with the illuminable command devices.

MOVEMENT DETECTOR



GW 20 821

IR MOVEMENT DETECTOR

| Code | Supply voltage | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|---------------------|--------------------|-------------|
| GW 20 821 | 230V ac - 50/60Hz | 1NO 3A(AC1) 250V ac | 1 | 1/6 |

CHARACTERISTICS: adjustment of the intervention duration 15 sec - 10 min. Light sensitive threshold adjustment - min. 10 lux - max. inhibited. Sensor with fixed lens. Suitable for commanding halogen lamps/resistive loads: 700 W, incandescent lamps: 450 W, low voltage halogen lamps (12 V) controlled by toroidal or electronic transformers: 450 W, uncompensated fluorescent lamps: 2x58 W, motors and gear motors: 400 VA. Not suitable for compensated fluorescent lamps, for discharge lamps and for all loads not indicated that must be commanded using a support relay.

APPLICATIONS: Energy-saving: command of the lighting of rooms and areas only when people pass through. Comfort and safety: automatic command of circuits without needing to activate one-way switches.

NOTES: do not install the product in watertight plates: the lid membrane does not allow the detector lens to work correctly.

RELAY



GW 20 071

LATCHING RELAY

| Code | No. of poles | Output contacts | Coil | No. SYSTEM modules | Pack Carton |
|-----------|--------------|-------------------------------|-------------------|--------------------|-------------|
| GW 20 071 | 1 | 10A (AC1) / 7A (AC15) 250V ac | 230V - 50 / 60 Hz | 1 | 1/5 |
| GW 20 072 | 2 | 10A (AC1) / 7A (AC15) 250V ac | 230V - 50 / 60 Hz | 1 | 1/5 |

APPLICATIONS: command of lighting devices from several points, via push-buttons. Start/stop control of motors (extractors, air agitators, etc.).



GW 20 074

MONOSTABLE RELAY

| Code | No. of poles | Output contacts | Coil | No. SYSTEM modules | Pack Carton |
|-----------|--------------|-------------------------------------|-------------------|--------------------|-------------|
| GW 20 074 | 1 | 1 NO/NC 10A(AC1) / 4A(AC15) 250V ac | 230V - 50 / 60 Hz | 1 | 1/5 |

APPLICATIONS: As an auxiliary element to control special loads, for remote signalling, and for electrical separation between control and user circuits.



GW 20 076

CALL RELAY - 12V

| Code | Supply voltage | No. of poles | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|----------------|--------------|-----------------------|--------------------|-------------|
| GW 20 076 | 12V ac/dc | 1 | 1NO/NC 12 V (max. 1A) | 1 | 1/5 |

CHARACTERISTICS: reset button integrated on the front and green mains presence indicator lamp.

POWER - SYSTEM WHITE

SOCKET-OUTLETS - ITALIAN/GERMAN STANDARD



GW 20 203

ITALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Type | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|---------------------------|--------|---------------|--------------------|-------------|
| GW 20 201 | 2P+E - 10A | P11 | Ø 4 mm | 1 | 80/160 |
| GW 20 203 | 2P+E - 16 A Dual amperage | P17-11 | Ø 4 / 5 mm | 1 | 80/320 |

CHARACTERISTICS: with safety shields.



GW 20 205

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Earth pit | Type | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|---------------------------|------------------|------|------------------|--------------------|-------------|
| GW 20 205 | 2P+E - 16A | Side and central | P30 | Ø 4 / 4.8 mm | 2 | 30/60 |
| GW 20 246 | 2P+E - 16 A Dual amperage | Side and central | P40 | Ø 4 / 4.8 / 5 mm | 2 | 30/120 |

CHARACTERISTICS: with safety shields.



GW 20 291

ITALIAN STANDARD DUAL SOCKET-OUTLET - 250V AC

| Code | Description | Type | For plug pins | Input | No. SYSTEM modules | Pack Carton |
|-----------|----------------------|--------|---------------|--------|--------------------|-------------|
| GW 20 291 | 2x2P+E 16A Dual amp. | P17-11 | Ø 4 / 5 mm | 1x16 A | 2 | 30/60 |

CHARACTERISTICS: with safety shields. The wiring is carried out via 3 terminals that power the socket-outlets, without using U-bolts.

SOCKET-OUTLETS - INTERNATIONAL STANDARD



GW 20 265

GERMAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 20 265 | 2P+E - 16A | Ø 4.8 mm | 2 | 30/60 |

CHARACTERISTICS: with safety shields.



GW 20 206

FRENCH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 20 206 | 2P - 16A | Ø 4 / 4.8 mm | 2 | 30/60 |
| GW 20 207 | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 30/60 |

CHARACTERISTICS: with safety shields.



GW 20 208

BRITISH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 20 208 | 2P+E - 13 A | Flat | 2 | 30/60 |
| GW 20 209 | 2P+E - 16A | Ø 7 mm | 2 | 30/60 |

CHARACTERISTICS: with safety shields.

NOTES: given the size of the plugs, it is not possible to install two or more socket-outlets side-by-side.



GW 20 351

SWISS STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|----------------------|---------------|--------------------|-------------|
| GW 20 351 | 2P+E - 10A - type 12 | Ø 4 mm | 1 | 30/60 |

NOTES: to be used as replacement part only.



GW 20 212

EURO AMERICAN STANDARD SOCKET-OUTLET - 250/125V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|---------------|---------------|--------------------|-------------|
| GW 20 212 | 2P+E - 10/15A | Ø 4 mm / flat | 1 | 30/60 |



GW 20 214

USA STANDARD SOCKET-OUTLETS - 250/125V AC

| Code | Description | For plug pins | Shape | No. SYSTEM modules | Pack Carton |
|-----------|----------------------|---------------|---------------------|--------------------|-------------|
| GW 20 214 | 2P+E - 15A - 125V ac | Flat | Parallel horizontal | 1 | 30/60 |
| GW 20 216 | 2P+E - 15A - 250V ac | Flat | Aligned vertical | 1 | 30/60 |



GW 20 248

ARGENTINIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 20 248 | 2P+E - 10A | Flat | 2 | 30/60 |



GW 20 356

AUSTRALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 20 357 | 2P+E - 10A | Flat | 2 | 30/60 |
| GW 20 356 | 2P+E - 15A | Flat | 2 | 30/60 |



GW 20 220

ISRAELI STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 20 220 | 2P+E - 16A | Round Ø 4 / 4.4 mm | 2 | 40/80 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing miniature lamps, not included.



GW 20 320

ISRAELI STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|------------------|-----------------------|----------------|
| GW 20 320 | 2P - 10 A | Round Ø 4 mm | 1 | 30/60 |

CHARACTERISTICS: with safety shields.

SOCKET-OUTLETS FOR DEDICATED LINES



GW 20 281

ITALIAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | Type | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|---------------------------|--------|--------|---------------|--------------------|-------------|
| GW 20 295 | 2P+E - 16 A Dual amperage | Red | P17-11 | Ø 4 / 5 mm | 1 | 30/60 |
| GW 20 281 | 2P+E - 16 A Dual amperage | Green | P17-11 | Ø 4 / 5 mm | 1 | 30/60 |
| GW 20 286 | 2P+E - 16 A Dual amperage | Orange | P17-11 | Ø 4 / 5 mm | 1 | 30/60 |

CHARACTERISTICS: with safety shields.

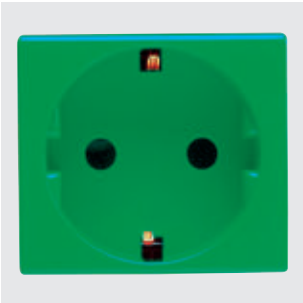


GW 20 282

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Earth pit | Colour | Type | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|---------------------------|------------------|--------|------|------------------|--------------------|-------------|
| GW 20 296 | 2P+E - 16 A Dual amperage | Side and central | Red | P40 | Ø 4 / 4.8 / 5 mm | 2 | 30/60 |
| GW 20 282 | 2P+E - 16 A Dual amperage | Side and central | Green | P40 | Ø 4 / 4.8 / 5 mm | 2 | 15/30 |
| GW 20 287 | 2P+E - 16 A Dual amperage | Side and central | Orange | P40 | Ø 4 / 4.8 / 5 mm | 2 | 15/30 |

CHARACTERISTICS: with safety shields.



GW 20 283

GERMAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 20 297 | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 15/30 |
| GW 20 283 | 2P+E - 16A | Green | Ø 4.8 mm | 2 | 15/30 |
| GW 20 288 | 2P+E - 16A | Orange | Ø 4.8 mm | 2 | 15/30 |

CHARACTERISTICS: with safety shields.



GW 20 312

FRENCH STANDARD SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 20 312 | 2P+E - 16A | Red | Ø 4 / 4.8 mm | 2 | 15/30 |

CHARACTERISTICS: with safety shields.



GW 20 298

ISRAELI STANDARD SOCKET-OUTLET FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------|--------------------|--------------------|-------------|
| GW 20 298 | 2P+E - 16A | Red | Round Ø 4 / 4.4 mm | 2 | 20/40 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing miniature lamps, not included.



GW 20 299

ISRAELI STANDARD SOCKET-OUTLET FOR SPECIAL REQUIREMENTS - 250V AC

| Code | Description | Colour | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------|--------------------|--------------------|-------------|
| GW 20 299 | 2P+E - 16A | Blue | Round Ø 4 / 4.4 mm | 2 | 20/40 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing miniature lamps, not included.

DATA - SYSTEM WHITE

TV-SAT SOCKETS



GW 20 396

COAXIAL TV-SAT SOCKETS (5-2400 MHZ) CLASS A SHIELDING - F FEMALE CONNECTOR

| Code | Description | Type | Attenuation | No. SYSTEM modules | Pack Carton |
|-----------|----------------------------|-------------------------|-------------|--------------------|-------------|
| GW 20 391 | Direct | With passage of current | 0 dB | 1 | 15/30 |
| GW 20 396 | Feedthrough | | 5 dB | 1 | 15/30 |
| GW 20 392 | Feedthrough | | 10 dB | 1 | 15/30 |
| GW 20 393 | Feedthrough | | 14 dB | 1 | 15/30 |
| GW 20 277 | Terminal resistance 75 ohm | | | | 50/200 |

CHARACTERISTICS: GW20391 permits carrying a remote power supply voltage/current and/or control signals towards the user port (max 24 V - 500 mA). GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets.
APPLICATIONS: Socket-outlets suitable for return channel.
NOTES: the TV-SAT 5 dB GW20396 coaxial socket-outlet is defined with conditioned use, it is a special through socket-outlet and as such must be used, with the only difference that the user door (socket-outlet towards the user device) must always be closed with a load of 75 Ohm (TV, VCR, SAT receiver or 75-Ohm termination).



GW 20 386

COAXIAL TV SOCKETS (5-2400 MHZ) CLASS A SHIELDING - IEC MALE CONNECTOR Ø 9.5 MM

| Code | Description | Type | Attenuation | No. SYSTEM modules | Pack Carton |
|-----------|----------------------------|-------------------------|-------------|--------------------|-------------|
| GW 20 381 | Direct | With passage of current | 0 dB | 1 | 15/30 |
| GW 20 386 | Feedthrough | | 5 dB | 1 | 15/30 |
| GW 20 382 | Feedthrough | | 10 dB | 1 | 15/30 |
| GW 20 383 | Feedthrough | | 14 dB | 1 | 15/30 |
| GW 20 277 | Terminal resistance 75 ohm | | | | 50/200 |

CHARACTERISTICS: GW20381 permits carrying a remote power supply voltage/current and/or control signals towards the user port (max 24 V - 500 mA). GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets.
APPLICATIONS: Socket-outlets suitable for return channel.
NOTES: the TV 5 dB GW20386 coaxial socket-outlet is defined with conditioned use, it is a special through socket-outlet and as such must be used, with the only difference that the user door (socket-outlet towards the user device) must always be closed with a load of 75 Ohm (TV, VCR, SAT receiver or 75-Ohm termination).



GW 20 229

RESISTIVE COAXIAL TV SOCKETS (40-860 MHZ) - IEC FEMALE CONNECTOR Ø 9.5MM

| Code | Description | Attenuation | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|-------------|--------------------|-------------|
| GW 20 228 | Direct | 0 dB | 1 | 30/60 |
| GW 20 229 | Branched | 20 dB | 1 | 30/60 |
| GW 20 230 | Terminated - 75 ohm | 20 dB | 1 | 30/60 |

Items designated solely for export to a limited number of countries outside of the European Union or countries applying to become part of the European Free Trade Area. Contact Gewiss Customer Service to check the product meets the regulations of the country concerned before importing it.

SOCKET-OUTLETS FOR AUXILIARY AND SIGNAL CIRCUITS



GW 20 234

SOCKET-OUTLETS FOR SELV AUXILIARY CIRCUIT

| Code | Description | For plug pins | Centre distance | No. SYSTEM modules | Pack Carton |
|-----------|-------------------------|---------------|-----------------|--------------------|-------------|
| GW 20 239 | 2P - 6A - 24V | Ø 3 mm | 12.4 mm | 1 | 15/30 |
| GW 20 234 | 2P - 6A - 24V polarized | Flat | 12.4 mm | 1 | 15/30 |



GW 20 241

SIGNAL SOCKET-OUTLET FOR PHONIC CIRCUITS

| Code | Description | No. SYSTEM modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 20 241 | For loudspeaker | 1 | 15/30 |

TELEPHONE SOCKETS



GW 20 251

RJ11 TELEPHONE SOCKETS

| Code | Description | Cables type | Connection | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------------|--------------------|--------------------|-------------|
| GW 20 251 | RJ11 | Twisted pair | Screw-on terminals | 1 | 15/30 |
| GW 20 252 | RJ11 Double | Twisted pair | Impact tool | 1 | 15/30 |

CHARACTERISTICS: GW20252 insulator punching impact tool connection.
APPLICATIONS: telephone, telefax, modem.



GW 20 235

FRENCH STANDARD TELEPHONE SOCKET

| Code | Description | Connection | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|--------------------|--------------------|-------------|
| GW 20 235 | French 8 contacts | Screw-on terminals | 1 | 15/30 |



GW 20 272

BRITISH STANDARD TELEPHONE SOCKET

| Code | Description | Connection | No. SYSTEM modules | Pack Carton |
|-----------|--------------------|--------------------|--------------------|-------------|
| GW 20 272 | British 6 contacts | Screw-on terminals | 1 | 15/30 |

DATA SOCKETS



GW 20 686

RJ45 SOCKETS

| Code | Description | No. pairs | Use category | Cables | Connection | No. SYSTEM modules | Pack Carton |
|-----------|-------------|-----------|--------------|--------|------------|--------------------|-------------|
| GW 20 271 | RJ45 | 4 | 5e | UTP | Toolless | 1 | 15/30 |
| GW 20 243 | RJ45 | 4 | 5e | FTP | Toolless | 1 | 15/30 |
| GW 20 685 | RJ45 | 4 | 6 | UTP | Toolless | 1 | 15/30 |
| GW 20 684 | RJ45 | 4 | 6 | UTP | Toolless | 1 | 1/15 |
| GW 20 686 | RJ45 | 4 | 6 | FTP | Toolless | 1 | 15/30 |

APPLICATIONS: LANs up to 100MHz (e.g. Ethernet, Token Ring networks) for cat. 5e. LANs up to 250MHz (e.g. Videoconference systems, CCTV) for cat. 6.



GW 20 266

ADAPTERS FOR HOUSING DATA CONNECTORS

| Code | Compatibility | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|--------------------|-------------|
| GW 20 266 | IBM | 1 | 1/120 |
| GW 20 267 | SYSTIMAX COMMScope | 1 | 1/120 |
| GW 20 270 | AMP / Keystone Jack | 1 | 1/120 |

NOTES: with regard to the technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the connector and the Gewiss adapter.

USB AND HDMI COUPLERS



GW 38 056

USB AND HDMI COUPLERS

| Code | Description | Type | Compatibility | Pack Carton |
|-----------|--------------|------------------------|---------------|-------------|
| GW 38 056 | HDMI coupler | Female/Female | Keystone Jack | 1/48 |
| GW 38 057 | USB coupler | Female/Female - A type | Keystone Jack | 1/48 |

NOTE: for adapters (Chorus, System, Dahlia) with Keystone Jack coupling and for patch-panels.

USB POWER SUPPLY



GW 20 361

DOUBLE USB POWER SUPPLY FOR ELECTRONIC DEVICES

| Code | Supply voltage | Output voltage | Max current supplied | No. Chorus modules | Pack Carton |
|-----------|-------------------------|----------------|----------------------|--------------------|-------------|
| GW 20 361 | 100/240 V ac - 50/60 Hz | 5V dc | 2,1 A | 1 | 1/10 |

CHARACTERISTICS: equipped with two USB, A-type, female connectors that supply a total of 2.1A.

APPLICATIONS: suitable to recharge a single 2.1A electronic device (e.g.: tablet) or a couple of simultaneous devices (e.g.: tablet and smartphone). The total current provided (max. 2.1A) is split in the two USB outputs, depending on the state of charge of the connected devices.

CONNECTORS AND ENCLOSURES FOR CONVENTIONAL NETWORKS



GW 20 237

| BNC-TYPE CONNECTOR | | | | | |
|---|----------------------|------------------|-----------------|--------------------|-------------|
| Code | Description | Cables type | Connection type | No. SYSTEM modules | Pack Carton |
| GW 20 237 | BNC 50 / 75 / 93 Ohm | Co-axial 100 Ohm | Weld-in | 1 | 15/30 |
| APPLICATIONS: BNC 50 Ohm (Ethernet networks); BNC 75/93 Ohm (video control systems, terminal connection). | | | | | |



GW 20 238

| EMPTY ENCLOSURE FOR HOUSING SUB-D CONNECTORS | | | |
|--|-----------------------|--------------------|-------------|
| Code | Description | No. SYSTEM modules | Pack Carton |
| GW 20 238 | SUB-D 9 / 15 / 25 PIN | 3 | 20/40 |

PROTECTION - SYSTEM WHITE

MINIATURE CIRCUIT BREAKERS



GW 20 431

MCB - MINIATURE CIRCUIT BREAKERS - C CHARACTERISTIC - 230V AC

| Code | Description | Rated current (A) | No. SYSTEM modules | Pack Carton |
|--------------------------------|------------------|-------------------|--------------------|-------------|
| Breaking capacity: 3 kA | | | | |
| GW 20 431 | Single pole (1P) | 6 | 1 | 15/30 |
| GW 20 432 | Single pole (1P) | 10 | 1 | 15/30 |
| GW 20 433 | Single pole (1P) | 16 | 1 | 15/30 |
| GW 20 434 | Two-pole (1P+N) | 6 | 1 | 15/30 |
| GW 20 435 | Two-pole (1P+N) | 10 | 1 | 15/30 |
| GW 20 436 | Two-pole (1P+N) | 16 | 1 | 15/30 |



GW 20 437

RCBO - RESIDUAL CURRENT BREAKERS WITH OVERCURRENT PROTECTION - C CHARACTERISTIC - CLASS A - 230V AC - 50/60 HZ

| Code | Description | Idn | Rated current (A) | No. SYSTEM modules | Pack Carton |
|--------------------------------|-----------------|-------|-------------------|--------------------|-------------|
| Breaking capacity: 3 kA | | | | | |
| GW 20 437 | Two-pole (1P+N) | 10 mA | 6 | 2 | 1/15 |
| GW 20 438 | Two-pole (1P+N) | 10 mA | 10 | 2 | 1/15 |
| GW 20 439 | Two-pole (1P+N) | 10 mA | 16 | 2 | 1/15 |
| GW 20 448 | Two-pole (1P+N) | 30 mA | 6 | 2 | 1/15 |
| GW 20 449 | Two-pole (1P+N) | 30 mA | 10 | 2 | 1/15 |
| GW 20 450 | Two-pole (1P+N) | 30 mA | 16 | 2 | 1/15 |



GW 20 454

MCB - RED MINIATURE CIRCUIT BREAKERS FOR DEDICATED CIRCUITS - C CHARACTERISTIC - 230V AC

| Code | Description | Rated current (A) | No. SYSTEM modules | Pack Carton |
|--------------------------------|-----------------|-------------------|--------------------|-------------|
| Breaking capacity: 3 kA | | | | |
| GW 20 454 | Two-pole (1P+N) | 6 | 1 | 15/30 |
| GW 20 455 | Two-pole (1P+N) | 10 | 1 | 15/30 |
| GW 20 456 | Two-pole (1P+N) | 16 | 1 | 15/30 |

PROTECTION DEVICES



GW 20 401

FUSE-HOLDER - 250V AC

| Code | Rated current (A) | Fuse type | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|---------------|--------------------|-------------|
| GW 20 401 | 16 | Ø 6.3 x 32 mm | 1 | 30/60 |



GW 20 423

SURGE PROTECTION DEVICE - 250V AC

| Code | Max.dischargeable energy | Maximum discharge current | No. SYSTEM modules | Pack Carton |
|-----------|--------------------------|---------------------------|--------------------|-------------|
| GW 20 423 | 75 J | 8 kA (8/20 µs) | 1 | 1/14 |

APPLICATIONS: protection of electronic equipment (TV - HI-FI - computers, etc.) from overvoltage of atmospheric or manoeuvring origin that may be conveyed by the supply lines.

ENERGY, TEMPERATURE AND COMFORT MANAGEMENT - SYSTEM WHITE

DIMMER



GW 20 802

ROTATING ELECTRONIC REGULATORS FOR RESISTIVE/INDUCTIVE LOADS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|---------------------------|---------------------------|-----------------------|----------------|
| GW 20 802 | 230V - 50 / 60 Hz | 100-500 W | | 1 | 1/14 |
| GW 20 803 | 230V - 50 / 60 Hz | 100-900 W | 40-300 VA | 1 | 1/14 |
| GW 20 811 | 230V - 50 / 60 Hz | 100-500 W | 100-500 VA | 1 | 1/14 |

CHARACTERISTICS: with signalling led orange. GW20811 rotary command with two-way switch.

GW20803 compliance with the EMC requirements is only guaranteed by connecting the regulator to an LC filter with the following characteristics: L=1mH - 5A, C=0.15uF - 275V X2, according to the documentation provided with the product. Item designated solely for export to a limited number of countries outside of the European Union or countries applying to become part of the European Free Trade Area. Contact Gewiss Customer Service to check the product meets the regulations of the country concerned before importing it.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 20 828

ELECTRONIC REGULATOR WITH BUTTON FOR RESISTIVE/INDUCTIVE LOADS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|---------------------------|---------------------------|-----------------------|----------------|
| GW 20 828 | 230V - 50 / 60 Hz | 60-500 W | 60-500 VA | 1 | 1/14 |

CHARACTERISTICS: possibility to command and regulate from remote control push-buttons with NO contact. With signalling led orange.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 20 829

ELECTRONIC REGULATOR WITH BUTTON FOR ELECTRONIC TRANSFORMERS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|---------------------------|---------------------------|-----------------------|----------------|
| GW 20 829 | 230V - 50 / 60 Hz | 40-300 W | 40-300 VA | 1 | 1/14 |

CHARACTERISTICS: possibility to command and regulate from remote control push-buttons with NO contact. With signalling led blue. Product extremely silent.

NOTES: to avoid overheating, the side by side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 20 818

ELECTRONIC REGULATOR WITH BUTTON FOR AIR AGITATORS

| Code | Supply voltage | Load 230V ac | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|-----------------|-----------------------|----------------|
| GW 20 818 | 230V - 50 / 60 Hz | 55-80 VA | 1 | 1/14 |

CHARACTERISTICS: possibility to command and regulate at fixed steps also from remote control push-buttons with NO contact. With signalling led red.

APPLICATIONS: suitable for adjusting air agitators, fans and extractors with induction motors.

NOTES: to avoid overheating, the side by side installation of several products in a single container is not recommended; insert a blanking module between two electronic devices.

ELECTRONIC TIMERS



GW 20 825

ELECTRONIC DAILY/WEEKLY TIMER, 1-CHANNEL

| Code | Supply voltage | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|---------------------------------|--------------------|-------------|
| GW 20 825 | 230 V ac - 50/60 Hz | 1NO/NC 8A(AC1)/4A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.



GW 20 810

ELECTRONIC TIMED BUTTON WITH INPUT FOR REMOTE CONTROL 230V - 50/60HZ

| Code | Regulation field | Relay output | No. SYSTEM modules | Pack Carton |
|-----------|------------------|-------------------------------|--------------------|-------------|
| GW 20 810 | 30 s - 15 min | 1NO 10A(AC1)/5A(AC15) 250V ac | 2 | 1/4 |

TEMPERATURE CONTROL DEVICES



GW 10 701

WALL-MOUNTING TIMED THERMOSTATS - DAILY/WEEKLY PROGRAMMING - BATTERY-POWERED

| Code | Temperature adjustment | Colour | Output contacts | Dimensions LxHxD (mm) | Pack Carton |
|-----------|------------------------|----------|---------------------------------|-----------------------|-------------|
| GW 10 701 | From +5°C to +40°C | White | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 130x92x23 mm | 1/2 |
| GW 14 701 | From +5°C to +40°C | Titanium | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 130x92x23 mm | 1/2 |

CHARACTERISTICS: powered by 3x1.5V AAA alkaline batteries, not included. Average battery life: 1 year.

Automatic energy saving and comfort function.

Kit for wall-mounting, containing: two strips of double-sided adhesive tape, two ø 6mm wall plugs with screws.



GW 20 827

TIMED THERMOSTAT - DAILY/WEEKLY PROGRAMMING

| Code | Supply voltage | Temperature adjustment | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|------------------------|---------------------------------|--------------------|-------------|
| GW 20 827 | 230 V ac - 50/60 Hz | From +5°C to +40°C | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.



GW 20 852

ELECTRONIC SUMMER/WINTER THERMOSTAT WITH KNOB ADJUSTMENT AND INDICATOR LED - 230V - 50/60HZ

| Code | Temperature adjustment | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|------------------------|--------------------------------------|--------------------|-------------|
| GW 20 852 | From +5°C to +30°C | 1 NO / NC 8A(AC1) / 2A(AC15) 250V ac | 3 | 1/2 |

CHARACTERISTICS: option of controlling night-time reduction via remote control (fixed 4°C).



GW 20 853

ELECTRONIC SUMMER/WINTER THERMOSTAT WITH KNOB ADJUSTMENT FOR FAN-COIL, 3-SPEED SELECTOR AND SOLENOID VALVE COMMAND 230V - 50/60HZ

| Code | Regulation field | Output solenoid | Output fan | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|------------------|-----------------|---------------------|----------------------|--------------------|-------------|
| GW 20 853 | +5° C / +30° C | Relay NO/NC | Three way switch 1P | 5A (AC1) / 2A (AC15) | 3 | 1/2 |

CHARACTERISTICS: temperature adjustment range: from +5°C to +30°C.

Operating modes: solenoid valve thermostat and fixed ventilation, solenoid valve and thermostat-controlled ventilation, only thermostat-controlled ventilation and unconnected solenoid valve.

SIGNALLING - SYSTEM WHITE

ANTI BLACK-OUT LAMPS



GW 20 833

EXTRACTABLE ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Autonomy | Type of lamp | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|------------------------|----------|--------------|--------------------|-------------|
| GW 20 833 | 230 V ac - 50/60 Hz | Ni-Mh | 2 h | White Led | 2 | 1/4 |

CHARACTERISTICS: equipped with inhibition selector on the front. Replaceable batteries (battery pack 4.8 V 40 mAh).
APPLICATION: according to CEI 64-8 (chapter 37).



GW 20 835

ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|------------------------|------------------|------|--------------------|-------------|
| GW 20 835 | 230 V ac - 50/60 Hz | Ni-Mh | 1 h | LED | 1 | 1/14 |

CHARACTERISTICS: green LED for the presence of mains voltage signalling. Highly efficient, white LED lamp.

ACOUSTIC SIGNALLING DEVICES



GW 20 613

BELLS

| Code | Supply voltage | Power input | Sound intensity | No. SYSTEM modules | Pack Carton |
|------------------|----------------|-------------|-----------------|--------------------|-------------|
| GW 20 613 | 12 V - 50 Hz | 8 VA | 80 dB (at 1 m) | 1 | 15/30 |
| GW 20 616 | 230V ac - 50Hz | 8 VA | 80 dB (at 1 m) | 1 | 15/30 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 20 617

BUZZERS

| Code | Supply voltage | Power input | Sound intensity | No. SYSTEM modules | Pack Carton |
|------------------|----------------|-------------|-----------------|--------------------|-------------|
| GW 20 617 | 12V ac - 50 Hz | 8 VA | 75 dB (at 1 m) | 1 | 15/30 |
| GW 20 620 | 230V ac - 50Hz | 8 VA | 75 dB (at 1 m) | 1 | 15/30 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 20 641

ELECTRONIC BELLS WITH 3 DIFFERENT TONES

| Code | Supply voltage | Power input | Sound intensity | No. SYSTEM modules | Pack Carton |
|------------------|----------------|-------------|-----------------|--------------------|-------------|
| GW 20 641 | 12V ac/dc | 3 VA | 80 dB (at 1 m) | 2 | 1/4 |
| GW 20 643 | 230V ac - 50Hz | 3 VA | 80 dB (at 1 m) | 2 | 1/4 |

CHARACTERISTICS: for continuous use. Three tones (alarm, ring and two-tone) with adjustable sound intensity using the selector located on the front.

APPLICATIONS: it is possible to combine the outdoor call, indoor call and alarm functions with one single device.

INDICATOR LIGHT DEVICES



GW 20 603

SINGLE INDICATOR LAMPS - 12/24/250V AC

| Code | Diffuser colour | Diffuser meaning | Fixing for lamp | No. SYSTEM modules | Pack Carton |
|----------------------------|-----------------|------------------|-----------------|--------------------|-------------|
| Diffusor type: Flat | | | | | |
| GW 20 603 | Red | Danger | Cartridge | 1 | 30/60 |
| GW 20 604 | Green | Safety | Cartridge | 1 | 30/60 |
| GW 20 605 | Yellow | Attention | Cartridge | 1 | 30/60 |
| GW 20 606 | Transparent | Neutral | Cartridge | 1 | 30/60 |
| GW 20 631 | Light blue | Specific | Cartridge | 1 | 30/60 |

CHARACTERISTICS: supplied without lamp. They use S6x31 mm and S6.3x28 mm cartridge lamps (max 2 W).

NOTES: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 20 608

DOUBLE INDICATOR LAMPS

| Code | Diffuser colour | Lamp voltage | No. SYSTEM modules | Pack Carton |
|----------------------------|-----------------|--------------|--------------------|-------------|
| Diffusor type: Flat | | | | |
| GW 20 607 | Red/green | 230V ac | 1 | 15/30 |
| GW 20 608 | Red/green | 12-24V ac/dc | 1 | 15/30 |

ACCESSORIES SUPPLIED: supplied with lamp.



GW 20 634

STAIR RISER LAMP WITH WHITE LED LIGHT - 12/230V AC

| Code | Diffuser colour | Lamp | Lamp voltage | No. SYSTEM modules | Pack Carton |
|-----------|-----------------|----------------|---------------------|--------------------|-------------|
| GW 20 634 | White | Integrated LED | 12V ac/dc - 230V ac | 2 | 1/15 |

CHARACTERISTICS: very bright LED, light adjustment eyelid, 12v ac/dc - 230V ac supply with double supply input.



GW 20 601

STAIR RISER OR SPECIAL USES LAMPS WITH FLAT DIFFUSER - 12/24V

| Code | Diffuser colour | Fixing for lamp | No. SYSTEM modules | Pack Carton |
|-----------|-----------------|-----------------|--------------------|-------------|
| GW 20 601 | Opal | Cartridge | 3 | 15/30 |
| GW 20 623 | Red | Cartridge | 3 | 15/30 |
| GW 20 624 | Green | Cartridge | 3 | 15/30 |
| GW 20 625 | Yellow | Cartridge | 3 | 15/30 |
| GW 20 626 | Light blue | Cartridge | 3 | 15/30 |

CHARACTERISTICS: Supplied without lamp. Use cartridge lamps of the S6x36mm type (max 2W).

APPLICATIONS: identification of steps, obstacles etc..



GW 20 602

STAIR RISER OR SPECIAL USES LAMPS WITH PROTRUDING DIFFUSER - 12/24V

| Code | Diffuser colour | Fixing for lamp | No. SYSTEM modules | Pack Carton |
|-----------|-----------------|-----------------|--------------------|-------------|
| GW 20 602 | Opal | Cartridge | 3 | 1/12 |
| GW 20 627 | Red | Cartridge | 3 | 1/12 |
| GW 20 628 | Green | Cartridge | 3 | 1/12 |
| GW 20 629 | Yellow | Cartridge | 3 | 1/12 |
| GW 20 630 | Light blue | Cartridge | 3 | 1/12 |

CHARACTERISTICS: Supplied without lamp. Use cartridge lamps of the S6x36mm type (max 2W).
APPLICATIONS: signalling.



GW 20 622

LAMP HOLDER

| Code | Lampholder type | Power | Colour | No. SYSTEM modules | Pack Carton |
|-----------|-----------------|-------|--------|--------------------|-------------|
| GW 20 622 | E27 | 40 W | Black | 2 | 15/30 |

TECHNICAL ALARMS - SYSTEM WHITE

GAS DETECTORS



GW 20 868

LPG DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|--------------------|-------------|
| GW 20 868 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.



GW 20 867

METHANE GAS DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|--------------------|-------------|
| GW 20 867 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.

ANTI-FLOOD SYSTEM WITH ZIGBEE® WIRELESS TRANSMISSION



GW A1 514

WATER SENSOR ZIGBEE

| Code | Colour | Dimensions (mm) | Pack Carton |
|-----------|--------|-----------------|-------------|
| GW A1 514 | White | Ø 60x37 | 1 |

CHARACTERISTICS: power supply 3V battery type CR123. Siren output: 85 db at 3 m. The device includes also a temperature sensor (0÷50°C).

NOTES: position the sensor on the ground. To be used in combination with a ZigBee actuator (e.g.: GWA1521) to control an electrovalve or a load.



GW A1 521

1-CHANNEL ACTUATOR ZIGBEE

| Code | Supply voltage | Output contacts | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|---------------------|-----------------------|-------------|
| GW A1 521 | 230V ac - 50 Hz | 10 A (AC1) 250 V ac | 38x38x13 | 1/4 |

CHARACTERISTICS: 1-channel actuator for activating loads via the potential-free output contact (NO). Suitable for commanding incandescent lamps (230 V ac): 2300W, loads controlled from toroidal transformers: 450W, loads controlled from electronic transformers: 600W, energy saving lamps (compact fluorescent): 150W, LED lamps (230 V ac): 150W, motors: 500W.

APPLICATIONS: when used with the water sensor, provide the installation of a NO push-button to open the electrovalve manually.

NOTES: installation in flush-mounting boxes, junction boxes, etc.

ACCESSORIES



GW 10 720

POWER SUPPLY UNIT 12 VDC

| Code | Supply voltage | Output voltage | Max current supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------------|----------------------|-----------------------|-------------|
| GW 10 720 | 100/240 V ac - 50/60 Hz | 12V dc | 300 mA | 52x33x17 | 1/10 |

APPLICATIONS: to be used for powering LPG detectors (GW10711, GW12711, GW14711, GW20868, GW21868, GW30520), methane detectors (GW10712, GW12712, GW14712, GW20867, GW21867, GW30519) and water detectors (GW10716, GW12716, GW14716); Thermo ICE WiFi (GW16972CB, GW16972CN, GW16972CT) and KNX/Easy (GW16974CB, GW16974CN, GW16974CT) thermostats.



GW 30 522

SOLENOID VALVE, WITH MANUAL RESET, NORMALLY OPEN - 230V - 50HZ

| Code | Delivery Ø | Material | Power input | Pack Carton |
|-----------|------------|----------|-------------|-------------|
| GW 30 522 | 3/4" | Brass | 12 VA | 1/2 |

SPECIAL APPLICATIONS - SYSTEM WHITE

COMPONENTS FOR HOTEL SYSTEMS



GW 20 820

UNIVERSAL BADGE SWITCH WITH BACKLIT LIGHT - 250V AC

| Code | Description | For badge card max. width | Type | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------------------|-----------------|--------------------|-------------|
| GW 20 820 | 1P NO - 10A | 54 mm | Backlit 230V ac | 3 | 1/2 |

CHARACTERISTICS: supplied without badge.

APPLICATIONS: activation of circuits and services in hotel rooms (e.g. lights, air-conditioner, fridge-bar), indication of room occupied (with badge inserted).



GW 20 841

EUROPEAN/AMERICAN STANDARD SHAVER SOCKET WITH INSULATION TRANSFORMER

| Code | Supply voltage | For plug pins | Selectable output voltage | Maximum power | No. SYSTEM modules | Pack Carton |
|-----------|--------------------|----------------------|---------------------------|---------------|--------------------|-------------|
| GW 20 841 | 230V ac - 50/60 Hz | Ø 4 / 5 - 6.3x1.5 mm | 120 - 230V ac | 20 VA | 3 | 1/4 |

CHARACTERISTICS: the socket-outlet is equipped with a self-protection device against overloading. The output voltage should be selected correctly, consulting the rating of the user device before inserting the plug. The relevant indicator LED allows the chosen voltage to be clearly seen.

NOTES: not suitable for installation in wall-mounting containers of the 27 COMBI range.

MECHANISMS FOR SPECIFIC MARKETS



GW 20 571 A

SWITCHES - 250V AC

| Code | Description | Button key | Type | No. SYSTEM modules | Pack Carton |
|-------------|-------------|------------|----------------|--------------------|-------------|
| GW 20 571 A | 1P - 16AX | Neutral | One-way switch | 1 | 80/320 |
| GW 20 576 A | 1P - 16AX | Neutral | Two-way switch | 1 | 80/320 |

NOTE: only for specific markets. For more information, please contact the Gewiss Sales Organization.



GW 20 265 A

SOCKET-OUTLETS - 250V AC

| Code | Description | Earth pit | Type | For plug pins | Standard | No. SYSTEM modules | Pack Carton |
|-------------|---------------------------|------------------|--------|------------------|----------------|--------------------|-------------|
| GW 20 203 A | 2P+E - 16 A Dual amperage | Central | P17-11 | Ø 4 / 5 mm | Italian | 1 | 80/320 |
| GW 20 246 A | 2P+E - 16 A Dual amperage | Side and central | P40 | Ø 4 / 4.8 / 5 mm | Italian/german | 2 | 30/120 |
| GW 20 265 A | 2P+E - 16A | Side | | Ø 4.8 mm | German | 2 | 30/60 |

CHARACTERISTICS: with safety shields.

NOTE: only for specific markets. For more information, please contact the Gewiss Sales Organization.

COMMAND - SYSTEM BLACK

COMMAND DEVICES



GW 21 571

ONE-WAY SWITCHES - 250V AC

| Code | Description | Button key | Symbol | No. SYSTEM modules | Pack Carton |
|-----------|-----------------------|-------------------------------|--------|--------------------|-------------|
| GW 21 571 | 1P - 16AX | Neutral | | 1 | 80/320 |
| GW 21 572 | 1P - 16 AX backlit | With replaceable neutral lens | | 1 | 30/60 |
| GW 21 583 | 1P - 16AX illuminable | With replaceable neutral lens | | 1 | 30/60 |
| GW 21 503 | 2P - 16 AX | Neutral | 0/1 | 1 | 30/60 |
| GW 21 504 | 1P - 16 AX backlit | With replaceable neutral lens | | 1 | 30/60 |
| GW 21 584 | 1P - 16AX illuminable | With replaceable neutral lens | | 1 | 30/60 |
| GW 21 005 | 2P - 10AX | With key | 0/1 | 1 | 15/30 |

CHARACTERISTICS: the illuminable articles use miniature lamp units, not included.

ACCESSORIES SUPPLIED: GW21572, GW21504 - red fluorescent 230Vac (0.4W) signalling unit. GW21005 supplied with 2 keys. The key can be extracted in both positions. Spare keys: GW20901.



GW 21 585

ONE-WAY SWITCH 2P FOR HEAVY-DUTY INSTALLATIONS - 25A - 250V AC

| Code | Description | Button key | Symbol | No. SYSTEM modules | Pack Carton |
|-----------|-------------|------------|--------|--------------------|-------------|
| GW 21 585 | 25A | Neutral | 0/1 | 1 | 15/30 |

CHARACTERISTICS: suitable for particular heavy-duty loads (e.g. set of fluorescent lamp) or high consumption devices (ovens, air-conditioners, boilers, etc.).



GW 21 576

TWO-WAY SWITCHES 1P - 250V AC

| Code | Description | Button key | No. SYSTEM modules | Pack Carton |
|-----------|-----------------------|-------------------------------|--------------------|-------------|
| GW 21 576 | 1P - 16AX | Neutral | 1 | 80/320 |
| GW 21 577 | 1P - 16 AX backlit | With replaceable neutral lens | 1 | 30/60 |
| GW 21 588 | 1P - 16AX illuminable | With replaceable neutral lens | 1 | 30/60 |
| GW 21 008 | 1P - 10AX | With key | 1 | 15/30 |

CHARACTERISTICS: the illuminable articles use miniature lamp units, not included.

ACCESSORIES SUPPLIED: GW21577 - red fluorescent 230Vac (0.4W) signalling unit. GW21008 supplied with 2 keys. The key can be extracted in both positions. Spare keys: GW20901.



GW 21 579

INTERMEDIATE SWITCHES 1P - 250V AC

| Code | Description | Button key | No. SYSTEM modules | Pack Carton |
|-----------|-------------|------------|--------------------|-------------|
| GW 21 579 | 1P - 16AX | Neutral | 1 | 30/60 |



GW 21 559

THREE-WAY SWITCH 1P - 250V AC

| Code | Description | Button key | Symbol | No. SYSTEM modules | Pack Carton |
|-----------|-------------|-------------------------------|-----------|--------------------|-------------|
| GW 21 559 | 1P - 10AX | Neutral | UP - DOWN | 1 | 30/60 |
| GW 21 528 | 1P - 10AX | With replaceable neutral lens | | 1 | 30/60 |

CHARACTERISTICS: three standing positions. Both contacts are open in the central position (OFF).

GW21528 - not-illuminated product; equipped with neutral lens.

APPLICATIONS: command of circuits requiring an interlock (e.g. operating motorised devices with direction reversal). 2-user selective control.



GW 21 510

PUSH-BUTTONS - 250V AC

| Code | Description | Button key | Symbol | No. SYSTEM modules | Pack Carton |
|-----------|--------------------------|-------------------------------|----------------|--------------------|-------------|
| GW 21 510 | 1P NO - 10A | Neutral | | 1 | 80/160 |
| GW 21 511 | 1P NO - 10A | With symbol | Key | 1 | 15/30 |
| GW 21 512 | 1P NO - 10A | With symbol | Bell | 1 | 15/30 |
| GW 21 513 | 1P NO - 10A | With symbol | Light | 1 | 15/30 |
| GW 21 514 | 1P NO - 10A | With symbol | Stairs | 1 | 15/30 |
| GW 21 515 | 1P NO - 10 A backlit | With replaceable neutral lens | | 1 | 30/60 |
| GW 21 516 | 1P NO - 10 A backlit | With replaceable neutral lens | | 1 | 30/60 |
| GW 21 529 | 1P NO - 10A illuminable | With replaceable neutral lens | | 1 | 30/60 |
| GW 21 531 | 1P NC - 10 A illuminable | With replaceable neutral lens | | 1 | 15/30 |
| GW 21 519 | 1P NC - 10A | Neutral | Circle | 1 | 15/30 |
| GW 21 520 | 1P NO+NO - 10A | With interlock | Double circles | 1 | 15/30 |
| GW 21 521 | 1P NO+NO - 10A | With interlock | UP - DOWN | 1 | 30/60 |
| GW 21 522 | 1P NO - 10A - Aux. NC | Start | Green | 1 | 30/60 |
| GW 21 523 | 1P NC - 10A - Aux. NO | Stop | Red | 1 | 30/60 |
| GW 21 517 | 2P NO - 10A | Neutral | Double circle | 1 | 30/60 |
| GW 21 518 | 2P NO - 10A | With pull-cord | | 1 | 20/40 |
| GW 21 530 | 2P NO - 10A | With key | O/1 | 1 | 15/30 |

CHARACTERISTICS: the illuminable articles use miniature lamp units, not included; GW21520, GW21521, both contacts are open in the central position (OFF).

ACCESSORIES SUPPLIED: GW21515 - red fluorescent 230Vac (0.4W) signalling unit. GW21516 - white LED 12/24Vac/dc (0.4W) signalling unit. GW21518, cord in insulating material, 140cm long, with a knob. GW21530 supplied with 2 keys. Spare keys: GW30912.



GW 21 024

PUSH-BUTTON WITH BACKLIT NAME PLATE - 250V AC

| Code | Description | Lamp voltage | Lamp | Lamp power | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------------|-------------------------|------------|--------------------|-------------|
| GW 21 591 | 1P NO - 10A | 12-24V ac/dc | Cartridge lamp S6x36 mm | 2 W | 2 | 15/30 |
| GW 21 024 | 1P NO - 10A | 12-24V ac/dc | Cartridge lamp S6x36 mm | 2 W | 3 | 20/40 |

CHARACTERISTICS: Supplied without lamp.



GW 21 589

WIDE-BUTTON ILLUMINABLE CONTROL DEVICES - 2M - 250V AC

| Code | Description | Button key | Type | No. SYSTEM modules | Pack Carton |
|-----------|----------------------------|---------------|---------------------|--------------------|-------------|
| GW 21 589 | 1P - 16 AX - illuminable | With diffuser | Two-way switch | 2 | 15/30 |
| GW 21 580 | 1P - 16 AX - illuminable | With diffuser | Inetrmediate switch | 2 | 1/15 |
| GW 21 527 | 1P NO - 10 A - illuminable | With diffuser | Push-button | 2 | 15/30 |

CHARACTERISTICS: the illuminable articles use miniature lamp units, not included.

BLANKING MODULES AND CABLE OUTLET



GW 21 056

BLANKING MODULES AND CABLE OUTLET

| Code | Description | No. SYSTEM modules | Pack Carton |
|-----------|--|--------------------|-------------|
| GW 21 056 | 1 gang | 1 | 10/480 |
| GW 21 073 | 2 gang | 2 | 30/60 |
| GW 21 058 | 1 gang with outlet for cable Ø 4 and Ø 8mm | 1 | 60/120 |

APPLICATIONS: in addition to their normal use, they permit installing signal socket-outlets, microswitches and LEDs after appropriate drilling/preparation.

LENS WITH ILLUMINATED SYMBOL



SYMBOLS FOR ILLUMINABLE SWITCHES AND PUSH-BUTTONS

| Code | Description | Symbol | Pack Carton |
|---|------------------------|----------------|-------------|
| Suitable for: General services | | | |
| GW 20 533 | Neutral | | 20 |
| GW 20 537 | Open door | Key | 20 |
| GW 20 538 | Bell | Bell | 20 |
| GW 20 539 | Light | Light | 20 |
| GW 20 540 | Stair light | Stairs | 20 |
| GW 20 542 | Service | | 20 |
| Suitable for: Technical services | | | |
| GW 20 549 | Dimmer | | 20 |
| GW 20 550 | Ventilation/Extraction | | 20 |
| GW 20 551 | Monitor/TV | | 20 |
| GW 20 592 | Opening arrows | Opening arrows | 20 |
| GW 20 593 | Closing arrows | Closing arrows | 20 |
| GW 20 594 | Off | OFF | 20 |
| GW 20 595 | On | ON | 20 |
| GW 20 596 | Up arrow | | 20 |
| GW 20 597 | Down arrow | | 20 |
| Suitable for: Numerical services | | | |
| GW 20 561 | One | 1 | 20 |
| GW 20 562 | Two | 2 | 20 |
| GW 20 563 | Three | 3 | 20 |
| GW 20 564 | Four | 4 | 20 |
| GW 20 565 | Five | 5 | 20 |
| GW 20 566 | Six | 6 | 20 |
| GW 20 567 | Seven | 7 | 20 |
| GW 20 568 | Eight | 8 | 20 |
| GW 20 569 | Nine | 9 | 20 |
| GW 20 570 | Zero | 0 | 20 |

NOTES: to be used in place of the neutral lens supplied with the illuminable command devices.

MOVEMENT SENSOR



GW 21 821

IR MOVEMENT DETECTOR

| Code | Supply voltage | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|---------------------|--------------------|-------------|
| GW 21 821 | 230V ac - 50/60Hz | 1NO 3A(AC1) 250V ac | 1 | 1/6 |

CHARACTERISTICS: adjustment of the intervention duration 15 sec - 10 min. Light sensitive threshold adjustment - min. 10 lux - max. inhibited. Sensor with fixed lens. Suitable for commanding halogen lamps/resistive loads: 700 W, incandescent lamps: 450 W, low voltage halogen lamps (12 V) controlled by toroidal or electronic transformers: 450 W, uncompensated fluorescent lamps: 2x58 W, motors and gear motors: 400 VA. Not suitable for compensated fluorescent lamps, for discharge lamps and for all loads not indicated that must be commanded using a support relay.

APPLICATIONS: Energy-saving: command of the lighting of rooms and areas only when people pass through.

Comfort and safety: automatic command of circuits without needing to activate one-way switches.

NOTES: do not install the product in watertight plates: the lid membrane does not allow the detector lens to work correctly.

RELAY



GW 21 071

LATCHING RELAY

| Code | No. of poles | Output contacts | Coil | No. SYSTEM modules | Pack Carton |
|-----------|--------------|-------------------------------|-------------------|--------------------|-------------|
| GW 21 071 | 1 | 10A (AC1) / 7A (AC15) 250V ac | 230V - 50 / 60 Hz | 1 | 1/5 |
| GW 21 072 | 2 | 10A (AC1) / 7A (AC15) 250V ac | 230V - 50 / 60 Hz | 1 | 1/5 |

APPLICATIONS: command of lighting devices from several points, via push-buttons. Start/stop control of motors (extractors, air agitators, etc.).



GW 21 074

MONOSTABLE RELAY 230 V AC

| Code | No. of poles | Output contacts | Coil | No. SYSTEM modules | Pack Carton |
|-----------|--------------|-------------------------------------|-------------------|--------------------|-------------|
| GW 21 074 | 1 | 1 NO/NC 10A(AC1) / 4A(AC15) 250V ac | 230V - 50 / 60 Hz | 1 | 1/5 |

APPLICATIONS: As an auxiliary element to control special loads, for remote signalling, and for electrical separation between control and user circuits.



GW 21 076

CALL RELAY - 12V

| Code | Supply voltage | No. of poles | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|----------------|--------------|-----------------------|--------------------|-------------|
| GW 21 076 | 12V ac/dc | 1 | 1NO/NC 12 V (max. 1A) | 1 | 1/5 |

CHARACTERISTICS: reset button integrated on the front and green mains presence indicator lamp.

POWER - SYSTEM BLACK

SOCKET-OUTLETS - ITALIAN/GERMAN STANDARD



GW 21 203

ITALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Type | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|---------------------------|--------|---------------|--------------------|-------------|
| GW 21 201 | 2P+E - 10A | P11 | Ø 4 mm | 1 | 80/160 |
| GW 21 203 | 2P+E - 16 A Dual amperage | P17-11 | Ø 4 / 5 mm | 1 | 80/320 |

CHARACTERISTICS: with safety shields.



GW 21 205

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Earth pit | Type | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|---------------------------|------------------|------|------------------|--------------------|-------------|
| GW 21 205 | 2P+E - 16A | Side and central | P30 | Ø 4 / 4.8 mm | 2 | 30/60 |
| GW 21 246 | 2P+E - 16 A Dual amperage | Side and central | P40 | Ø 4 / 4.8 / 5 mm | 2 | 30/120 |

CHARACTERISTICS: with safety shields.



GW 21 291

ITALIAN STANDARD QUICK WIRING DOUBLE SOCKET-OUTLET - 250V AC

| Code | Description | Type | For plug pins | Input | No. SYSTEM modules | Pack Carton |
|-----------|----------------------|--------|---------------|--------|--------------------|-------------|
| GW 21 291 | 2x2P+E 16A Dual amp. | P17-11 | Ø 4 / 5 mm | 1x16 A | 2 | 30/60 |

CHARACTERISTICS: with safety shields. The wiring is carried out via 3 terminals that power the socket-outlets, without using U-bolts.

SOCKET-OUTLETS - INTERNATIONAL STANDARD



GW 21 265

GERMAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 21 265 | 2P+E - 16A | Ø 4.8 mm | 2 | 30/60 |

CHARACTERISTICS: with safety shields.



GW 21 206

FRENCH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 21 206 | 2P - 16A | Ø 4 / 4.8 mm | 2 | 30/60 |
| GW 21 207 | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 30/60 |

CHARACTERISTICS: with safety shields.



GW 21 208

BRITISH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 21 208 | 2P+E - 13 A | Flat | 2 | 30/60 |
| GW 21 209 | 2P+E - 16A | Ø 7 mm | 2 | 30/60 |

CHARACTERISTICS: with safety shields.

NOTES: given the size of the plugs, it is not possible to install two or more socket-outlets side-by-side.



GW 21 351

SWISS STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|----------------------|---------------|--------------------|-------------|
| GW 21 351 | 2P+E - 10A - type 12 | Ø 4 mm | 1 | 30/60 |

NOTES: to be used as replacement part only.



GW 21 212

EURO AMERICAN STANDARD SOCKET-OUTLET - 250/125V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|---------------|---------------|--------------------|-------------|
| GW 21 212 | 2P+E - 10/15A | Ø 4 mm/ flat | 1 | 30/60 |



GW 21 214

USA STANDARD SOCKET-OUTLETS - 250/125V AC

| Code | Description | For plug pins | Shape | No. SYSTEM modules | Pack Carton |
|-----------|--------------------|---------------|---------------------|--------------------|-------------|
| GW 21 214 | 2P+E - 15A 125V ac | Flat | Parallel horizontal | 1 | 30/60 |
| GW 21 216 | 2P+E - 15A 250V ac | Flat | Aligned vertical | 1 | 30/60 |



GW 21 248

ARGENTINIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 21 248 | 2P+E - 10A | Flat | 2 | 30/60 |



GW 21 356

AUSTRALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------|--------------------|-------------|
| GW 21 357 | 2P+E - 10A | Flat | 2 | 30/60 |
| GW 21 356 | 2P+E - 15A | Flat | 2 | 30/60 |



GW 21 220

ISRAELI STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------------------|--------------------|-------------|
| GW 21 220 | 2P+E - 16A | Round Ø 4 / 4.4 mm | 2 | 30/60 |

CHARACTERISTICS: with safety shields.

SOCKET-OUTLETS FOR DEDICATED LINES



GW 20 281

ITALIAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | Type | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|---------------------------|--------|--------|---------------|--------------------|-------------|
| GW 20 295 | 2P+E - 16 A Dual amperage | Red | P17-11 | Ø 4 / 5 mm | 1 | 30/60 |
| GW 20 281 | 2P+E - 16 A Dual amperage | Green | P17-11 | Ø 4 / 5 mm | 1 | 30/60 |
| GW 20 286 | 2P+E - 16 A Dual amperage | Orange | P17-11 | Ø 4 / 5 mm | 1 | 30/60 |

CHARACTERISTICS: with safety shields.

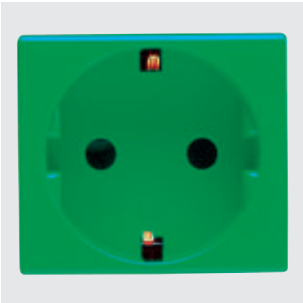


GW 20 282

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Earth pit | Colour | Type | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|---------------------------|------------------|--------|------|------------------|--------------------|-------------|
| GW 20 296 | 2P+E - 16 A Dual amperage | Side and central | Red | P40 | Ø 4 / 4.8 / 5 mm | 2 | 30/60 |
| GW 20 282 | 2P+E - 16 A Dual amperage | Side and central | Green | P40 | Ø 4 / 4.8 / 5 mm | 2 | 15/30 |
| GW 20 287 | 2P+E - 16 A Dual amperage | Side and central | Orange | P40 | Ø 4 / 4.8 / 5 mm | 2 | 15/30 |

CHARACTERISTICS: with safety shields.



GW 20 283

GERMAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 20 297 | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 15/30 |
| GW 20 283 | 2P+E - 16A | Green | Ø 4.8 mm | 2 | 15/30 |
| GW 20 288 | 2P+E - 16A | Orange | Ø 4.8 mm | 2 | 15/30 |

CHARACTERISTICS: with safety shields.



GW 20 312

FRENCH STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------|---------------|--------------------|-------------|
| GW 20 312 | 2P+E - 16A | Red | Ø 4 / 4.8 mm | 2 | 15/30 |

CHARACTERISTICS: with safety shields.



GW 20 298

ISRAELI STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------|--------------------|--------------------|-------------|
| GW 20 298 | 2P+E - 16A | Red | Round Ø 4 / 4.4 mm | 2 | 20/40 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing miniature lamps, not included.



GW 20 299

ISRAELI STANDARD SOCKET-OUTLET FOR SPECIAL REQUIREMENTS - 250V AC

| Code | Description | Colour | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------|--------------------|--------------------|-------------|
| GW 20 299 | 2P+E - 16A | Blue | Round Ø 4 / 4.4 mm | 2 | 20/40 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing miniature lamps, not included.

DATA - SYSTEM BLACK

TV-SAT SOCKETS



GW 21 391

COAXIAL TV-SAT SOCKETS (5-2400 MHZ) CLASS A SHIELDING - F FEMALE CONNECTOR

| Code | Description | Type | Attenuation | No. SYSTEM modules | Pack Carton |
|-----------|----------------------------|-------------------------|-------------|--------------------|-------------|
| GW 21 391 | Direct | With passage of current | 0 dB | 1 | 15/30 |
| GW 21 396 | Feedthrough | | 5 dB | 1 | 15/30 |
| GW 21 392 | Feedthrough | | 10 dB | 1 | 15/30 |
| GW 21 393 | Feedthrough | | 14 dB | 1 | 15/30 |
| GW 20 277 | Terminal resistance 75 ohm | | | | 50/200 |

CHARACTERISTICS: GW21391 permits carrying a remote power supply voltage/current and/or control signals towards the user port (max 24 V - 500 mA). GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets.

APPLICATIONS: socket-outlets suitable for return channel.

NOTES: the TV-SAT 5dB GW21396 coaxial socket is defined with conditioned use. It is a special feedthrough socket and must be used as such, with the only difference being that the user port (socket towards the user device) must always be closed with a 75-Ohm load (TV, VCR, SAT receiver or 75-Ohm termination).



GW 21 381

COAXIAL TV SOCKETS (5-2400 MHZ) CLASS A SHIELDING - IEC MALE CONNECTOR Ø 9.5 MM

| Code | Description | Type | Attenuation | No. SYSTEM modules | Pack Carton |
|-----------|----------------------------|-------------------------|-------------|--------------------|-------------|
| GW 21 381 | Direct | With passage of current | 0 dB | 1 | 15/30 |
| GW 21 386 | Feedthrough | | 5 dB | 1 | 15/30 |
| GW 21 382 | Feedthrough | | 10 dB | 1 | 15/30 |
| GW 21 383 | Feedthrough | | 14 dB | 1 | 15/30 |
| GW 20 277 | Terminal resistance 75 ohm | | | | 50/200 |

CHARACTERISTICS: GW21381 permits carrying a remote power supply voltage/current and/or control signals towards the user port (max 24 V - 500 mA). GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets.

APPLICATIONS: socket-outlets suitable for return channel.

NOTES: the TV 5dB GW21386 coaxial socket is defined with conditioned use. It is a special feedthrough socket and must be used as such, with the only difference being that the user port (socket towards the user device) must always be closed with a 75-Ohm load (TV, VCR, SAT receiver or 75-Ohm termination).



GW 21 228

COAXIAL TV RESISTIVE SOCKETS (40-860 MHZ) IEC FEMALE CONNECTOR Ø 9.5 MM

| Code | Description | Attenuation | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|-------------|--------------------|-------------|
| GW 21 228 | Direct | 0 dB | 1 | 30/60 |
| GW 21 229 | Branched | 20 dB | 1 | 30/60 |
| GW 21 230 | Terminated - 75 ohm | 20 dB | 1 | 30/60 |

Items designated solely for export to a limited number of countries outside of the European Union or countries applying to become part of the European Free Trade Area. Contact Gewiss Customer Service to check the product meets the regulations of the country concerned before importing it.

SOCKET-OUTLETS FOR AUXILIARY AND SIGNAL CIRCUITS



GW 21 234

SOCKET-OUTLETS FOR SELV AUXILIARY CIRCUITS

| Code | Description | For plug pins | Centre distance | No. SYSTEM modules | Pack Carton |
|-----------|-------------------------|---------------|-----------------|--------------------|-------------|
| GW 21 239 | 2P - 6A - 24V | Ø 3 mm | 12.4 mm | 1 | 15/30 |
| GW 21 234 | 2P - 6A - 24V polarized | Flat | 12.4 mm | 1 | 15/30 |



GW 21 241

SIGNAL SOCKET-OUTLET FOR PHONIC CIRCUITS

| Code | Description | No. SYSTEM modules | Pack Carton |
|-----------|-----------------|--------------------|-------------|
| GW 21 241 | For loudspeaker | 1 | 15/30 |

TELEPHONE SOCKETS



GW 21 251

RJ11 TELEPHONE SOCKETS

| Code | Description | Cables type | Connection | No. SYSTEM modules | Pack Carton |
|-----------|-------------|--------------|--------------------|--------------------|-------------|
| GW 21 251 | RJ11 | Twisted pair | Screw-on terminals | 1 | 15/30 |
| GW 21 252 | RJ11 Double | Twisted pair | Impact tool | 1 | 15/30 |

CHARACTERISTICS: GW21252 insulator punching impact tool connection.
APPLICATIONS: telephone, telefax, modem.



GW 21 235

FRENCH STANDARD TELEPHONE SOCKET

| Code | Description | Connection | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|--------------------|--------------------|-------------|
| GW 21 235 | French 8 contacts | Screw-on terminals | 1 | 15/30 |



GW 21 272

BRITISH STANDARD TELEPHONE SOCKET

| Code | Description | Connection | No. SYSTEM modules | Pack Carton |
|-----------|--------------------|--------------------|--------------------|-------------|
| GW 21 272 | British 6 contacts | Screw-on terminals | 1 | 15/30 |

DATA SOCKETS



GW 21 686

RJ45 SOCKETS

| Code | Description | No. pairs | Use category | Cables | Connection | No. SYSTEM modules | Pack Carton |
|-----------|-------------|-----------|--------------|--------|------------|--------------------|-------------|
| GW 21 271 | RJ45 | 4 | 5e | UTP | Toolless | 1 | 15/30 |
| GW 21 243 | RJ45 | 4 | 5e | FTP | Toolless | 1 | 15/30 |
| GW 21 685 | RJ45 | 4 | 6 | UTP | Toolless | 1 | 15/30 |
| GW 21 684 | RJ45 | 4 | 6 | UTP | Toolless | 1 | 1/15 |
| GW 21 686 | RJ45 | 4 | 6 | FTP | Toolless | 1 | 15/30 |

APPLICATIONS: LANs up to 100MHz (e.g. Ethernet, Token Ring networks) for cat. 5e. LANs up to 250MHz (e.g. Videoconference systems, CCTV) for cat. 6.



GW 21 266

ADAPTERS FOR HOUSING DATA CONNECTORS

| Code | Compatibility | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|--------------------|-------------|
| GW 21 266 | IBM | 1 | 1/120 |
| GW 21 267 | SYSTIMAX COMMScope | 1 | 1/120 |
| GW 21 270 | AMP / Keystone Jack | 1 | 1/120 |

NOTES: with regard to the technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the connector and the Gewiss adapter.

USB AND HDMI COUPLERS



GW 38 056

USB AND HDMI COUPLERS

| Code | Description | Type | Compatibility | Pack Carton |
|-----------|--------------|------------------------|---------------|-------------|
| GW 38 056 | HDMI coupler | Female/Female | Keystone Jack | 1/48 |
| GW 38 057 | USB coupler | Female/Female - A type | Keystone Jack | 1/48 |

NOTE: for adapters (Chorus, System, Dahlia) with Keystone Jack coupling and for patch-panels.

CONNECTORS AND ENCLOSURES FOR CONVENTIONAL NETWORKS



GW 21 237

| BNC-TYPE CONNECTOR | | | | | |
|--------------------|----------------------|------------------|-----------------|--------------------|-------------|
| Code | Description | Cables type | Connection type | No. SYSTEM modules | Pack Carton |
| GW 21 237 | BNC 50 / 75 / 93 Ohm | Co-axial 100 Ohm | Weld-in | 1 | 15/30 |

APPLICATIONS: BNC 50 Ohm (Ethernet networks); BNC 75/93 Ohm (video control systems, terminal connection).



GW 21 238

| EMPTY ENCLOSURE FOR HOUSING SUB-D CONNECTORS | | | |
|--|-----------------------|--------------------|-------------|
| Code | Description | No. SYSTEM modules | Pack Carton |
| GW 21 238 | SUB-D 9 / 15 / 25 PIN | 3 | 20/40 |

PROTECTION - SYSTEM BLACK

MINIATURE CIRCUIT BREAKERS



GW 21 431

MCB - MINIATURE CIRCUIT BREAKERS - C CHARACTERISTIC - 230V AC

| Code | Description | Rated current (A) | No. SYSTEM modules | Pack Carton |
|--------------------------------|------------------|-------------------|--------------------|-------------|
| Breaking capacity: 3 kA | | | | |
| GW 21 431 | Single pole (1P) | 6 | 1 | 15/30 |
| GW 21 432 | Single pole (1P) | 10 | 1 | 15/30 |
| GW 21 433 | Single pole (1P) | 16 | 1 | 15/30 |
| GW 21 434 | Two-pole (1P+N) | 6 | 1 | 15/30 |
| GW 21 435 | Two-pole (1P+N) | 10 | 1 | 15/30 |
| GW 21 436 | Two-pole (1P+N) | 16 | 1 | 15/30 |



GW 21 437

RCBO - RESIDUAL CURRENT BREAKERS WITH OVERCURRENT PROTECTION - C CHARACTERISTIC - CLASS A - 230V AC - 50/60 HZ

| Code | Description | Idn | Rated current (A) | No. SYSTEM modules | Pack Carton |
|--------------------------------|-----------------|-------|-------------------|--------------------|-------------|
| Breaking capacity: 3 kA | | | | | |
| GW 21 437 | Two-pole (1P+N) | 10 mA | 6 | 2 | 1/15 |
| GW 21 438 | Two-pole (1P+N) | 10 mA | 10 | 2 | 1/15 |
| GW 21 439 | Two-pole (1P+N) | 10 mA | 16 | 2 | 1/15 |
| GW 21 448 | Two-pole (1P+N) | 30 mA | 6 | 2 | 1/15 |
| GW 21 449 | Two-pole (1P+N) | 30 mA | 10 | 2 | 1/15 |
| GW 21 450 | Two-pole (1P+N) | 30 mA | 16 | 2 | 1/15 |



GW 20 454

MCB - RED MINIATURE CIRCUIT BREAKERS FOR DEDICATED CIRCUITS - C CHARACTERISTIC - 230V AC

| Code | Description | Rated current (A) | No. SYSTEM modules | Pack Carton |
|--------------------------------|-----------------|-------------------|--------------------|-------------|
| Breaking capacity: 3 kA | | | | |
| GW 20 454 | Two-pole (1P+N) | 6 | 1 | 15/30 |
| GW 20 455 | Two-pole (1P+N) | 10 | 1 | 15/30 |
| GW 20 456 | Two-pole (1P+N) | 16 | 1 | 15/30 |

PROTECTION DEVICES



GW 21 401

| FUSE-HOLDER - 250V AC | | | | |
|-----------------------|-------------------|---------------|--------------------|-------------|
| Code | Rated current (A) | Fuse type | No. SYSTEM modules | Pack Carton |
| GW 21 401 | 16 | Ø 6.3 x 32 mm | 1 | 30/60 |



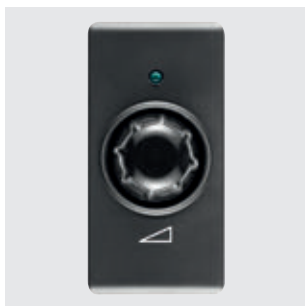
GW 21 423

| SURGE PROTECTION DEVICE - 250V AC | | | | |
|-----------------------------------|--------------------------|---------------------------|--------------------|-------------|
| Code | Max.dischargeable energy | Maximum discharge current | No. SYSTEM modules | Pack Carton |
| GW 21 423 | 75 J | 8 kA (8/20 µs) | 1 | 1/14 |

APPLICATIONS: protection of electronic equipment (TV - HI-FI - computers, etc.) from overvoltage of atmospheric or manoeuvring origin that may be conveyed by the supply lines.

ENERGY, TEMPERATURE AND COMFORT MANAGEMENT - SYSTEM BLACK

DIMMER



GW 21 802

ROTATING ELECTRONIC REGULATORS FOR RESISTIVE/INDUCTIVE LOADS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|---------------------------|---------------------------|-----------------------|----------------|
| GW 21 802 | 230V - 50 / 60 Hz | 100-500 W | | 1 | 1/14 |
| GW 21 803 | 230V - 50 / 60 Hz | 100-900 W | 40-300 VA | 1 | 1/14 |
| GW 21 811 | 230V - 50 / 60 Hz | 100-500 W | 100-500 VA | 1 | 1/14 |

CHARACTERISTICS: with signalling led orange. GW21811 rotary command with two-way switch.

GW21803 compliance with the EMC directive is only guaranteed by connecting the regulator to an LC filter with the following characteristics: L=1mH - 5A, C=0.15uF - 275V X2, according to the documentation provided with the product. Item designated solely for export to a limited number of countries outside of the European Union or countries applying to become part of the European Free Trade Area. Contact Gewiss Customer Service to check the product meets the regulations of the country concerned before importing it.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 21 828

ELECTRONIC REGULATOR WITH BUTTON FOR RESISTIVE/INDUCTIVE LOADS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|---------------------------|---------------------------|-----------------------|----------------|
| GW 21 828 | 230V - 50 / 60 Hz | 60-500 W | 60-500 VA | 1 | 1/14 |

CHARACTERISTICS: possibility to command and regulate from remote control push-buttons with NO contact. With signalling led orange.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



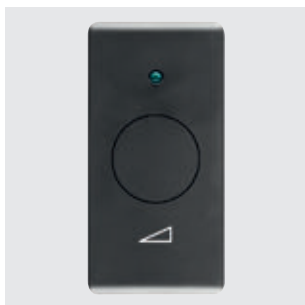
GW 21 829

ELECTRONIC REGULATOR WITH BUTTON FOR ELECTRONIC TRANSFORMERS

| Code | Supply voltage | Resistive load 230V ac | Inductive load 230V ac | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|---------------------------|---------------------------|-----------------------|----------------|
| GW 21 829 | 230V - 50 / 60 Hz | 40-300 W | 40-300 VA | 1 | 1/14 |

CHARACTERISTICS: possibility to command and regulate from remote control push-buttons with NO contact. With signalling led blue. Product extremely silent.

NOTES: to avoid overheating, the side by side installation of several products in a single container is not permitted; insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 21 818

ELECTRONIC REGULATOR WITH BUTTON FOR AIR AGITATORS

| Code | Supply voltage | Load 230V ac | No. SYSTEM modules | Pack Carton |
|-----------|-------------------|-----------------|-----------------------|----------------|
| GW 21 818 | 230V - 50 / 60 Hz | 55-80 VA | 1 | 1/14 |

CHARACTERISTICS: possibility to command and regulate at fixed steps also from remote control push-buttons with NO contact. With signalling led red.

APPLICATIONS: suitable for adjusting air agitators, fans and extractors with induction motors.

NOTES: to avoid overheating, the side by side installation of several products in a single container is not recommended; insert a blanking module between two electronic devices.

ELECTRONIC TIMERS



GW 21 825

ELECTRONIC DAILY/WEEKLY TIMER, 1-CHANNEL

| Code | Supply voltage | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|---------------------------------|--------------------|-------------|
| GW 21 825 | 230 V ac - 50/60 Hz | 1NO/NC 8A(AC1)/4A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.



GW 21 810

ELECTRONIC PUSH-BUTTON TIMER WITH REMOTE CONTROL INPUT - 230V - 50/60HZ

| Code | Regulation field | Relay output | No. SYSTEM modules | Pack Carton |
|-----------|------------------|-------------------------------|--------------------|-------------|
| GW 21 810 | 30 s - 15 min | 1NO 10A(AC1)/5A(AC15) 250V ac | 2 | 1/4 |

TEMPERATURE CONTROL DEVICES



GW 14 701

WALL-MOUNTING TIMED THERMOSTATS - DAILY/WEEKLY PROGRAMMING - BATTERY-POWERED

| Code | Temperature adjustment | Colour | Output contacts | Dimensions LxHxD (mm) | Pack Carton |
|-----------|------------------------|----------|---------------------------------|-----------------------|-------------|
| GW 10 701 | From +5°C to +40°C | White | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 130x92x23 mm | 1/2 |
| GW 14 701 | From +5°C to +40°C | Titanium | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 130x92x23 mm | 1/2 |

CHARACTERISTICS: powered by 3x1.5V AAA alkaline batteries, not included. Average battery life: 1 year.

Automatic energy saving and comfort function.

Kit for wall-mounting, containing: two strips of double-sided adhesive tape, two ø 6mm wall plugs with screws.



GW 21 827

TIMED THERMOSTAT - DAILY/WEEKLY PROGRAMMING

| Code | Supply voltage | Temperature adjustment | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|------------------------|---------------------------------|--------------------|-------------|
| GW 21 827 | 230 V ac - 50/60 Hz | From +5°C to +40°C | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.



GW 21 852

SUMMER/WINTER ELECTRONIC THERMOSTAT WITH KNOB ADJUSTMENT AND INDICATOR LED - 230V - 50/60HZ

| Code | Temperature adjustment | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|------------------------|--------------------------------------|--------------------|-------------|
| GW 21 852 | From +5°C to +30°C | 1 NO / NC 8A(AC1) / 2A(AC15) 250V ac | 3 | 1/2 |

CHARACTERISTICS: option of controlling night-time reduction via remote control (fixed 4°C).



GW 21 853

SUMMER/WINTER ELECTRONIC THERMOSTAT FOR FAN-COIL, WITH KNOB ADJUSTMENT 3-SPEED SELECTOR AND SOLENOID VALVE CONTROL - 230V - 50/60HZ

| Code | Regulation field | Output solenoid | Output fan | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|------------------|-----------------|---------------------|----------------------|--------------------|-------------|
| GW 21 853 | +5° C / +30° C | Relay NO/NC | Three way switch 1P | 5A (AC1) / 2A (AC15) | 3 | 1/2 |

CHARACTERISTICS: temperature adjustment range: from +5°C to +30°C.

Operating modes: solenoid valve thermostat and fixed ventilation, solenoid valve and thermostat-controlled ventilation, only thermostat-controlled ventilation and unconnected solenoid valve.

SIGNALLING - SYSTEM BLACK

ANTI BLACK-OUT LAMPS



GW 21 833

EXTRACTABLE ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Autonomy | Type of lamp | No. SYSTEM modules | Pack Carton |
|-----------|-----------------|------------------------|----------|--------------|--------------------|-------------|
| GW 21 833 | 230V - 50/60 Hz | Ni-Mh | 2 h | White Led | 2 | 1/4 |

CHARACTERISTICS: equipped with inhibition selector on the front. Replaceable batteries (battery pack 4.8 V 40 mAh).



GW 21 835

ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|------------------------|------------------|------|--------------------|-------------|
| GW 21 835 | 230 V ac - 50/60 Hz | Ni - Mh | 1 h | LED | 1 | 1/14 |

CHARACTERISTICS: green LED for the presence of mains voltage signalling. Highly efficient, white LED lamp.

ACOUSTIC SIGNALLING DEVICES



GW 21 613

BELLS

| Code | Supply voltage | Power input | Sound intensity | No. SYSTEM modules | Pack Carton |
|-----------|----------------|-------------|-----------------|--------------------|-------------|
| GW 21 613 | 12 V - 50 Hz | 8 VA | 80 dB (at 1 m) | 1 | 15/30 |
| GW 21 616 | 230V ac - 50Hz | 8 VA | 80 dB (at 1 m) | 1 | 15/30 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 21 617

BUZZERS

| Code | Supply voltage | Power input | Sound intensity | No. SYSTEM modules | Pack Carton |
|-----------|----------------|-------------|-----------------|--------------------|-------------|
| GW 21 617 | 12 V - 50 Hz | 8 VA | 75 dB (at 1 m) | 1 | 15/30 |
| GW 21 620 | 230 V - 50 Hz | 8 VA | 75 dB (at 1 m) | 1 | 15/30 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 21 641

ELECTRONIC BELLS WITH 3 DIFFERENT TONES

| Code | Supply voltage | Power input | Sound intensity | No. SYSTEM modules | Pack Carton |
|-----------|----------------|-------------|-----------------|--------------------|-------------|
| GW 21 641 | 12V ac/dc | 3 VA | 80 dB (at 1 m) | 2 | 1/4 |
| GW 21 643 | 230V ac - 50Hz | 3 VA | 80 dB (at 1 m) | 2 | 1/4 |

CHARACTERISTICS: for continuous use. Three tones (alarm, ring and two-tone) with adjustable sound intensity using the selector located on the front.

APPLICATIONS: it is possible to combine the outdoor call, indoor call and alarm functions with one single device.

INDICATOR LIGHT DEVICES



GW 21 603

SINGLE INDICATOR LAMPS - 12/24/250V AC

| Code | Diffuser colour | Diffuser meaning | Fixing for lamp | No. SYSTEM modules | Pack Carton |
|----------------------------|-----------------|------------------|-----------------|--------------------|-------------|
| Diffusor type: Flat | | | | | |
| GW 21 603 | Red | Danger | Cartridge | 1 | 30/60 |
| GW 21 604 | Green | Safety | Cartridge | 1 | 30/60 |
| GW 21 605 | Yellow | Attention | Cartridge | 1 | 30/60 |
| GW 21 606 | Transparent | Neutral | Cartridge | 1 | 30/60 |
| GW 21 631 | Light blue | Specific | Cartridge | 1 | 30/60 |

CHARACTERISTICS: Supplied without lamp. They use S6x31 mm and S6.3x28 mm cartridge lamps (max 2 W).

NOTES: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 21 607

DOUBLE INDICATOR LAMPS

| Code | Diffuser colour | Lamp voltage | No. SYSTEM modules | Pack Carton |
|----------------------------|-----------------|--------------|--------------------|-------------|
| Diffusor type: Flat | | | | |
| GW 21 607 | Red/green | 230V ac | 1 | 15/30 |
| GW 21 608 | Red/green | 12-24V ac/dc | 1 | 15/30 |

ACCESSORIES SUPPLIED: supplied with lamp.



GW 21 634

STAIR RISER LAMP WITH WHITE LED LIGHT - 12/230V AC

| Code | Diffuser colour | Lamp | Lamp voltage | No. SYSTEM modules | Pack Carton |
|-----------|-----------------|----------------|---------------------|--------------------|-------------|
| GW 21 634 | White | Integrated LED | 12V ac/dc - 230V ac | 2 | 1/15 |

CHARACTERISTICS: very bright LED, light adjustment eyelid, 12v ac/dc - 230V ac supply with double supply input.



GW 20 601

STAIR RISER OR SPECIAL USES LAMPS WITH FLAT DIFFUSER - 12/24V

| Code | Diffuser colour | Fixing for lamp | No. SYSTEM modules | Pack Carton |
|-----------|-----------------|-----------------|--------------------|-------------|
| GW 20 601 | Opal | Cartridge | 3 | 15/30 |
| GW 20 623 | Red | Cartridge | 3 | 15/30 |
| GW 20 624 | Green | Cartridge | 3 | 15/30 |
| GW 20 625 | Yellow | Cartridge | 3 | 15/30 |
| GW 20 626 | Light blue | Cartridge | 3 | 15/30 |

CHARACTERISTICS: supplied without lamp. Use cartridge lamps of the S6x36mm type (max 2W).

APPLICATIONS: identification of steps, obstacles etc..



GW 20 602

STAIR RISER OR SPECIAL USES LAMPS WITH PROTRUDING DIFFUSER - 12/24V

| Code | Diffuser colour | Fixing for lamp | No. SYSTEM modules | Pack Carton |
|-----------|-----------------|-----------------|--------------------|-------------|
| GW 20 602 | Opal | Cartridge | 3 | 1/12 |
| GW 20 627 | Red | Cartridge | 3 | 1/12 |
| GW 20 628 | Green | Cartridge | 3 | 1/12 |
| GW 20 629 | Yellow | Cartridge | 3 | 1/12 |
| GW 20 630 | Light blue | Cartridge | 3 | 1/12 |

CHARACTERISTICS: Supplied without lamp Use cartridge lamps of the S6x36mm type (max 2W).
APPLICATIONS: signalling.



GW 20 622

LAMP HOLDER

| Code | Lampholder type | Power | Colour | No. SYSTEM modules | Pack Carton |
|-----------|-----------------|-------|--------|--------------------|-------------|
| GW 20 622 | E27 | 40 W | Black | 2 | 15/30 |

TECHNICAL ALARMS - SYSTEM BLACK

GAS DETECTORS



GW 21 868

LPG DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|--------------------|-------------|
| GW 21 868 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.



GW 21 867

METHANE GAS DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|--------------------|-------------|
| GW 21 867 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.

ANTI-FLOOD SYSTEM WITH ZIGBEE® WIRELESS TRANSMISSION



GW A1 514

WATER SENSOR ZIGBEE

| Code | Colour | Dimensions (mm) | Pack Carton |
|-----------|--------|-----------------|-------------|
| GW A1 514 | White | Ø 60x37 | 1 |

CHARACTERISTICS: power supply 3V battery type CR123. Siren output: 85 db at 3 m. The device includes also a temperature sensor (0÷50°C).

NOTES: position the sensor on the ground. To be used in combination with a ZigBee actuator (e.g.: GWA1521) to control an electrovalve or a load.



GW A1 521

1-CHANNEL ACTUATOR ZIGBEE

| Code | Supply voltage | Output contacts | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|---------------------|-----------------------|-------------|
| GW A1 521 | 230V ac - 50 Hz | 10 A (AC1) 250 V ac | 38x38x13 | 1/4 |

CHARACTERISTICS: 1-channel actuator for activating loads via the potential-free output contact (NO). Suitable for commanding incandescent lamps (230 V ac): 2300W, loads controlled from toroidal transformers: 450W, loads controlled from electronic transformers: 600W, energy saving lamps (compact fluorescent): 150W, LED lamps (230 V ac): 150W, motors: 500W.

APPLICATIONS: when used with the water sensor, provide the installation of a NO push-button to open the electrovalve manually.

NOTES: installation in flush-mounting boxes, junction boxes, etc.

ACCESSORIES



GW 10 720

POWER SUPPLY UNIT 12 VDC

| Code | Supply voltage | Output voltage | Max current supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------------|----------------------|-----------------------|-------------|
| GW 10 720 | 100/240 V ac - 50/60 Hz | 12V dc | 300 mA | 52x33x17 | 1/10 |

APPLICATIONS: to be used for powering LPG detectors (GW10711, GW12711, GW14711, GW20868, GW21868, GW30520), methane detectors (GW10712, GW12712, GW14712, GW20867, GW21867, GW30519) and water detectors (GW10716, GW12716, GW14716); Thermo ICE WiFi (GW16972CB, GW16972CN, GW16972CT) and KNX/Easy (GW16974CB, GW16974CN, GW16974CT) thermostats.



GW 30 522

SOLENOID VALVE, WITH MANUAL RESET, NORMALLY OPEN - 230V - 50HZ

| Code | Delivery Ø | Material | Power input | Pack Carton |
|-----------|------------|----------|-------------|-------------|
| GW 30 522 | 3/4" | Brass | 12 VA | 1/2 |

DOMESTIC RANGES

SPECIAL APPLICATIONS - SYSTEM BLACK

COMPONENTS FOR HOTEL SYSTEMS



GW 21 820

UNIVERSAL BADGE SWITCH WITH BACKLIT LIGHT - 250V AC

| Code | Description | For badge card max. width | Type | No. SYSTEM modules | Pack Carton |
|-----------|-------------|---------------------------|-----------------|--------------------|-------------|
| GW 21 820 | 1P NO - 10A | 54 mm | Backlit 230V ac | 3 | 1/2 |

CHARACTERISTICS: supplied without a badge.
APPLICATIONS: activation of circuits and services in hotel rooms (e.g. lights, air-conditioner, fridge-bar), indication of room occupied (with badge inserted).



GW 21 841

EURO-AMERICAN STANDARD SHAVER SOCKET-OUTLET WITH INSULATION TRANSFORMER

| Code | Supply voltage | For plug pins | Selectable output voltage | Maximum power | No. SYSTEM modules | Pack Carton |
|-----------|--------------------|----------------------|---------------------------|---------------|--------------------|-------------|
| GW 21 841 | 230V ac - 50/60 Hz | Ø 4 / 5 - 6.3x1.5 mm | 120 - 230V ac | 20 VA | 3 | 1/4 |

CHARACTERISTICS: the socket-outlet is equipped with a self-protection device against overloading. The output voltage should be selected correctly, consulting the rating of the user device before inserting the plug. The relevant indicator LED allows the chosen voltage to be clearly seen.
NOTES: not suitable for installation in wall-mounting containers of the 27 COMBI range.

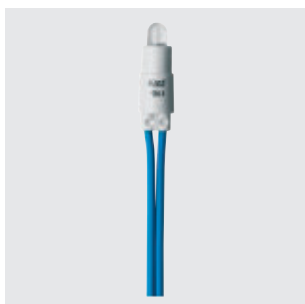
COMMON ARTICLES - SYSTEM BLACK AND WHITE RANGE



MINIATURE LAMPS WITH QUICK COUPLING TERMINALS

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Pack Carton |
|-----------|---------------|------------|-------------|---------------|-------------|
| GW 30 943 | 230 V ac | 0.4 W | Fluorescent | Red | 50 |
| GW 30 944 | 230V ac | 0.4 W | Fluorescent | Green | 50 |
| GW 30 946 | 110 / 230V ac | 0.6 W | LED | Light blue | 50 |
| GW 30 947 | 110 / 230V ac | 0.6 W | LED | White | 50 |
| GW 10 893 | 12-24V ac/dc | 0.4 W | LED | White | 50 |

APPLICATIONS: miniature lamps are mounted on all control devices fitted for luminous signalling.



GW 10 881

MINIATURE LAMPS WITH LED SIGNALLING UNITS - 230 V AC - 0.6 W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Cable Colour | Pack Carton |
|-----------|---------------------|------------|------|---------------|--------------|-------------|
| GW 10 881 | 230 V ac - 50/60 Hz | 0.6 W | LED | Blue | Blue | 50 |
| GW 10 882 | 230 V ac - 50/60 Hz | 0.6 W | LED | White | White | 50 |
| GW 10 883 | 230 V ac - 50/60 Hz | 0.6 W | LED | Red | Red | 50 |
| GW 10 884 | 230 V ac - 50/60 Hz | 0.6 W | LED | Green | Green | 50 |
| GW 10 885 | 230 V ac - 50/60 Hz | 0.6 W | LED | Amber | Orange | 50 |

NOTES: the LED signalling units are supplied with power supply cables (length 10 cm).



GW 10 894

MINIATURE LAMPS WITH LED SIGNALLING UNITS - 12-24 V AC/DC - 0.6 W

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Cable Colour | Pack Carton |
|-----------|--------------|------------|------|---------------|--------------|-------------|
| GW 10 894 | 12-24V ac/dc | 0.6 W | LED | White | White | 50 |

NOTES: the LED signalling units are supplied with power supply cables (length 10 cm).



GW 20 902

CARTRIDGE LAMPS

| Code | Dimensions (mm) | Lamp voltage | Lamp power | Lamp | Light emitted | Pack Carton |
|-----------|-----------------|---------------|------------|---------------|---------------|-------------|
| GW 20 902 | S6x36 | 12V ac/dc | 2 W | Incandescence | White | 50 |
| GW 20 903 | S6x36 | 24V ac/dc | 2 W | Incandescence | White | 50 |
| GW 20 904 | S6x31 | 12V ac/dc | 2 W | Incandescence | White | 50 |
| GW 20 905 | S6x31 | 24V ac/dc | 2 W | Incandescence | White | 50 |
| GW 20 906 | S6.3x28 | 110 / 230V ac | 0.4 W | Fluorescent | Red | 50 |
| GW 20 908 | S6.3x28 | 110 / 230V ac | 0.4 W | Fluorescent | Green | 50 |

NOTES: the cartridge lamps are mounted on the stair riser, on the single indicator lamps and on the push-buttons with a name plate.



GW 20 911

MINIATURE FUSES - 250V AC

| Code | Dimensions (mm) | Rated current (A) | Rated voltage | Pack Carton |
|-----------|-----------------|-------------------|---------------|-------------|
| GW 20 911 | Ø 5 x 20 | 2.5 | 250V ac | 20/200 |
| GW 20 921 | Ø 6.3 x 32 | 2 | 250V ac | 10/200 |
| GW 20 922 | Ø 6.3 x 32 | 4 | 250V ac | 10/200 |
| GW 20 923 | Ø 6.3 x 32 | 6 | 250V ac | 10/200 |
| GW 20 924 | Ø 6.3 x 32 | 10 | 250V ac | 10/200 |
| GW 20 925 | Ø 6.3 x 32 | 16 | 250V ac | 10/200 |



GW 20 901

SET OF 2 KEYS FOR COMMAND DEVICES

| Code | Suitable for | Pack Carton |
|-----------|-------------------------------------|-------------|
| GW 20 901 | One-way switches - two-way switches | 1/100 |
| GW 30 912 | Push-buttons | 1/100 |

System



THE RANGE



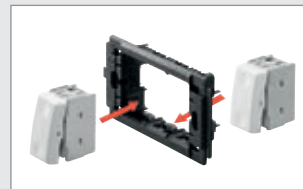
The System range includes two families of plates and a wide range of devices available in two versions: white components with glossy finish and black components with satin finish. Designed to offer optimum application versatility, the System devices can be flush-mounted or surface-mounted for top practicality and elegance.

SYSTEM SOLUTIONS



The System devices use a wide range of accessories and can be installed in any electrical system: in rectangular flush-mounting and surface-mounting boxes, in boxes for interface with mini trunking, on profiles and DIN rails, in 27 Combi containers

INSTALLATION FLEXIBILITY



The System domestic range is a system offering maximum application flexibility. Versatile, thanks to the dual coupling possibility (on the front or rear of the support) that makes component assembly and release operations easier and quicker.

DOMESTIC RANGES

General characteristics

| TECHNICAL DATA AND REFERENCE STANDARDS | | | | | | | |
|--|---------------------------|--------------------------------|----------------------------|--------------------------------------|---|--------------------------------------|---------------------|
| Component | Reference standards | Essential electrical data* | | | Prolonged operation (no. position changes) | Resistance to abnormal heat and fire | |
| | | Resistance at test voltage (V) | Insulation resistance (MΩ) | Breaking capacity or category of use | | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
| Commands | EN 60669-1 | 2000 at 50 Hz for 1 minute | > 5 | 1.25 In (200 position changes) | 40,000 at In 250V AC cos φ = 0.6 | 125 | 850 |
| Socket-outlets | IEC 60884-1 | | | 1.25 In (100 position changes) | 10,000 at In 250V AC cos φ = 0.8 | | |
| Latching relays | EN 60669-1 / EN 60669-2-2 | | | | 50,000 at In 250V AC cos φ = 0.6 | | |
| Momentary relays | EN 60669-1 / EN 60669-2-2 | | | 1.25 In (200 position changes) | | | |
| Miniature circuit breakers | EN 60898-1 | | 2** ÷ 5 | 3KA | 8,000 | | |
| Residual current circuit breakers | EN 61009-1 / EN 61008-1 | | | 3KA | 4,000 | | |
| Supports and plates | EN 60669-1 | - | - | - | - | 70 | 650 |

* For rated voltages and currents, see the specifications in the single codes.

** The value of 2 MΩ refers to a special condition established by the standards given alongside.

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | | | |
|--|-----------|--------------------|--------------------|--------------------|--------------------|-----------|--------------------|---------------|---------------|---------------|--------------------|-----------|
| Component \ Agent | Water | Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | | | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Plates | Resistant | Resistant | Limited resistance | Resistant | Resistant | Resistant | Limited resistance | Not resistant | Not resistant | Not resistant | Limited resistance | Resistant |
| SYSTEM devices | Resistant | Limited resistance | Not resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant |

* The resistance values given are valid for an ambient temperature no higher than 40°C.

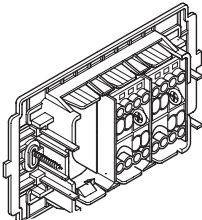
Terminal resistance to cable traction: > 50N

Device hold on support: > 0.6J

| TERMINAL TIGHTENING CAPACITY | | | |
|---------------------------------|----------------------------------|--------------------------------|----------------------------------|
| Flexible wires | | Rigid wires | |
| Minimum 0.75 mm ² | Maximum 2 x 4 mm ² | Minimum 0.5 mm ² | Maximum 2x2.5 mm ² |

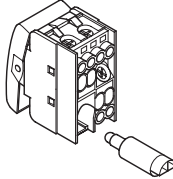
System

Common construction features



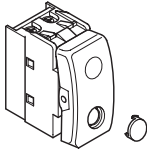
Quick installation:
fixing the devices on the supports
from both front or rear.

Simplicity of connections:
double terminals,
cable clamp with unlosable screws
and protection collars.







Miniature lamps

Symbol discs



Symbol discs for functional signalling

Backlighting of command devices

| Type | Use | Applications | Type | Use | Applications |
|---|--|--|--|--|--|
|  Lighting for localisation purposes | Permits the identification of the command button in the dark, or the indication of the ON/OFF status of a lighting circuit | General services of a building complex (stair lights, entrances, etc.) Public entertainment premises Bedrooms Corridors |  Single diffuser | Permits the identification of the ON/OFF status of a service or lighting circuit from a distance. The signalling is clearly visible from the front | Signalling of lights coming on outside the place where the command device is installed |
|  Lighting for signalling | Permits the identification of the command button, and its specific function, in the dark | General services Indoor systems for offices, shops, warehouses, hotel facilities, hospitals and nursing homes |  Push-buttons with illuminated name plate | Permits the identification of the command button in the dark, and the reading of the name on the label, even in poorly lit areas | Push-button for call circuits in homes and offices |

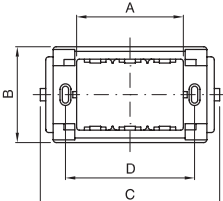
Degree of protection of the set of SYSTEM domestic range assembly installed

| COMPONENT | INSTALLATION | REFERENCE STANDARD | IP RATING |
|---|--|--------------------|--|
| Devices with closed front (commands, bells, indicators, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in self-supporting boxes | Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard | EN60529 | 41 |
| Devices with open front (socket-outlets, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in self-supporting boxes | Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard. Suitable for use for zone 3 of rooms containing baths or showers. | | X1 (it is 21 in case of socket-outlets) |
| Devices with open front (socket-outlets, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in self-supporting boxes | Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard with plug inserted | | 4X |

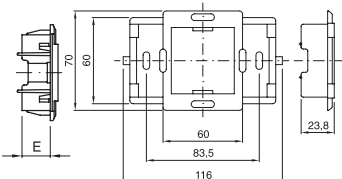
Dimension tables

SUPPORTS FOR TOP SYSTEM - VIRNA

3 GANG - GW 24 201
4 GANG - GW 24 202

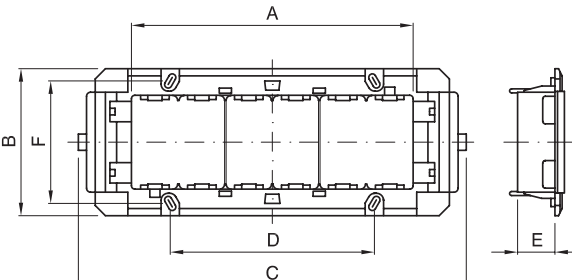


2 GANG
GW 24 262

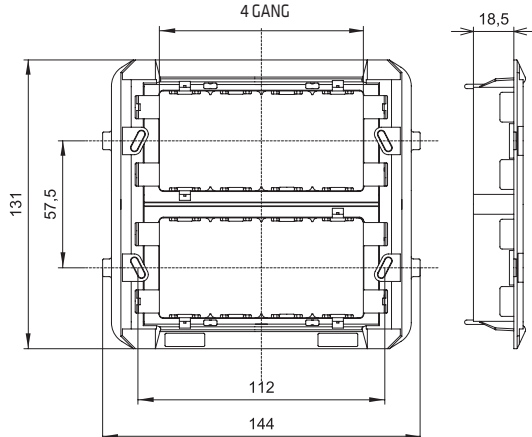


| Code | GW 24 201 | GW 24 202 | GW 24 230 |
|------|-----------|-----------|-----------|
| A | 3 GANG | 4 GANG | 6 GANG |
| B | 62 | 62 | 70 |
| C | 116 | 140 | 190 |
| D | 83.5 | 108.5 | 100 |
| E | 18.5 | 18.5 | 18.5 |
| F | - | - | 60 |

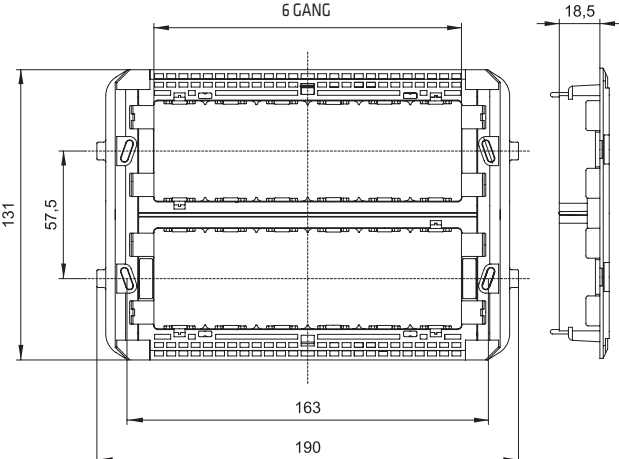
6 GANG
GW 24 230



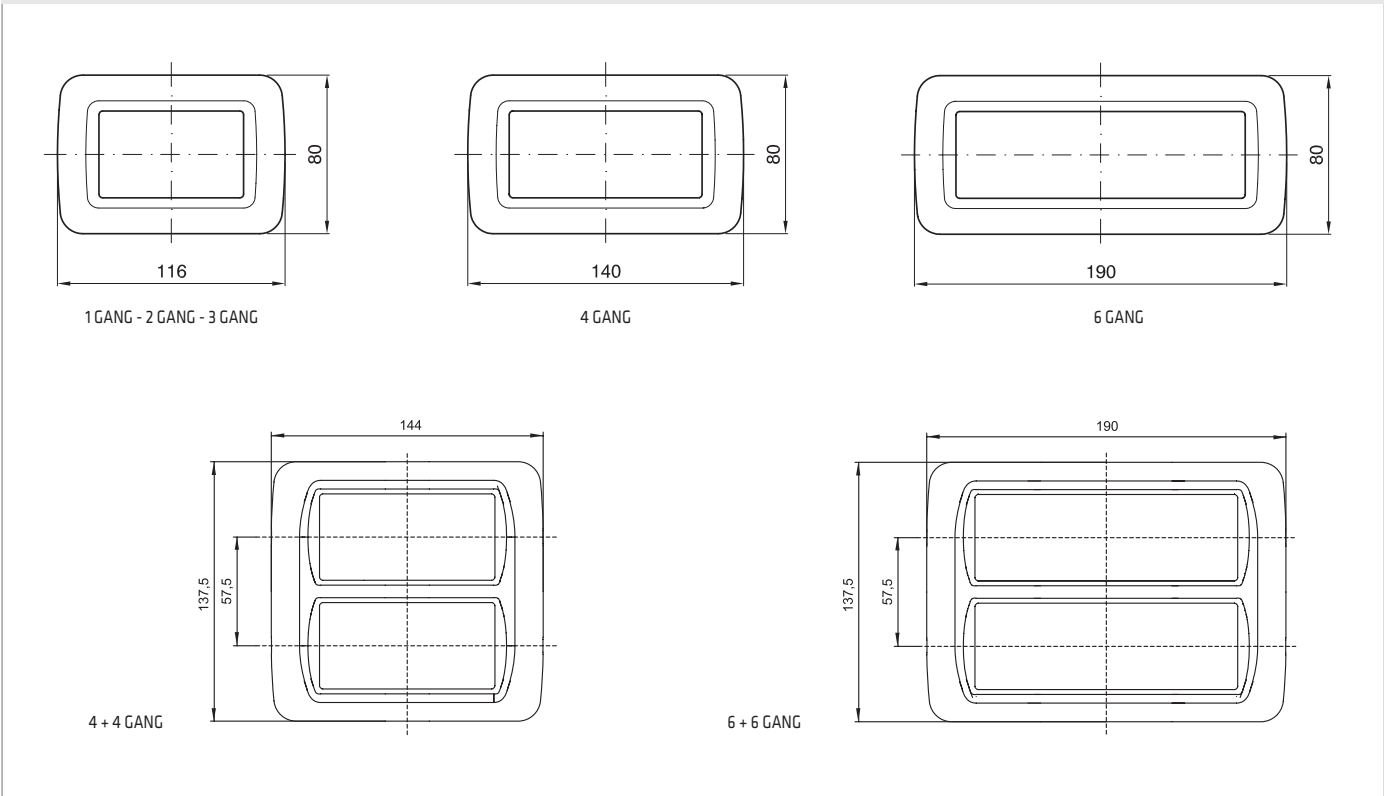
4 + 4 GANG
GW 24 240



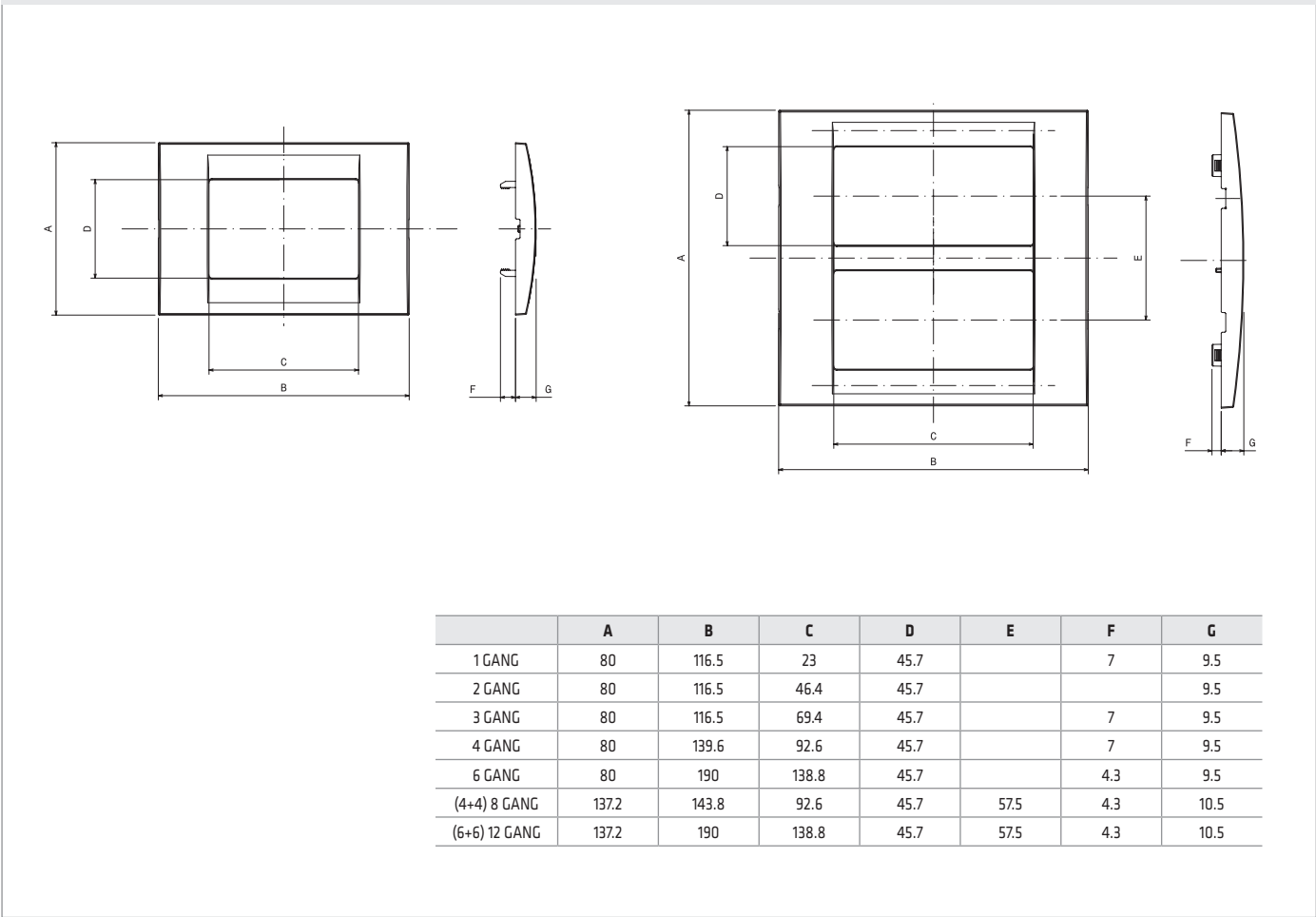
6 + 6 GANG
GW 24 241



TOP SYSTEM PLATES

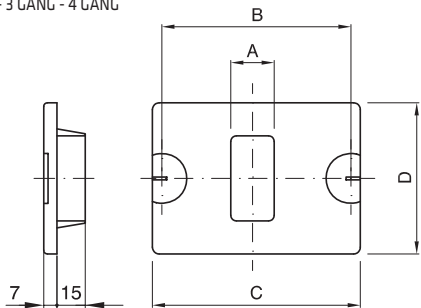


VIRNA PLATES

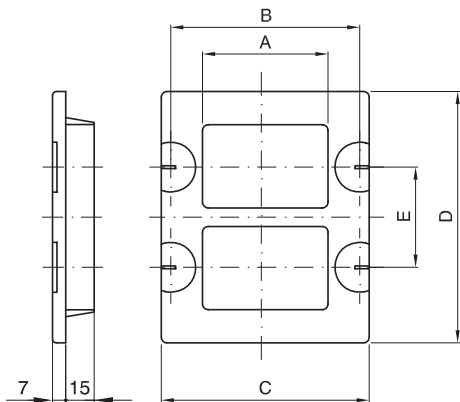


COMPACT PLATES

1 GANG - 2 GANG - 3 GANG - 4 GANG



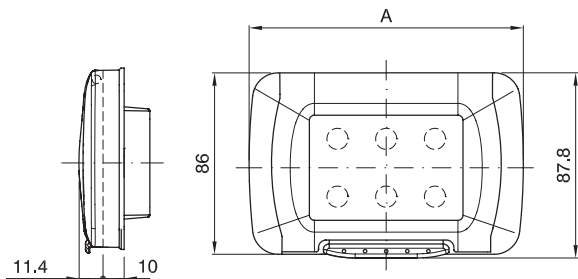
3 + 3 GANG



| Compact | | | | | |
|---------|-----------|-----------|-----------|-----------|------------|
| Code | GW 24 001 | GW 24 002 | GW 24 003 | GW 24 004 | GW 24 005 |
| A | 1 GANG | 2 GANG | 3 GANG | 4 GANG | 3 + 3 GANG |
| B | 83.5 | 83.5 | 83.5 | 108.5 | 83.5 |
| C | 110 | 110 | 110 | 134 | 110 |
| D | 80 | 80 | 80 | 80 | 133 |
| E | - | - | - | - | 51 |

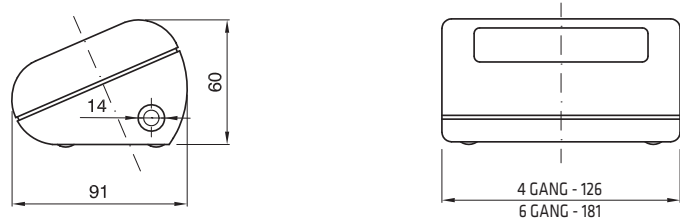
WATERTIGHT PLATES

3 GANG - 4 GANG

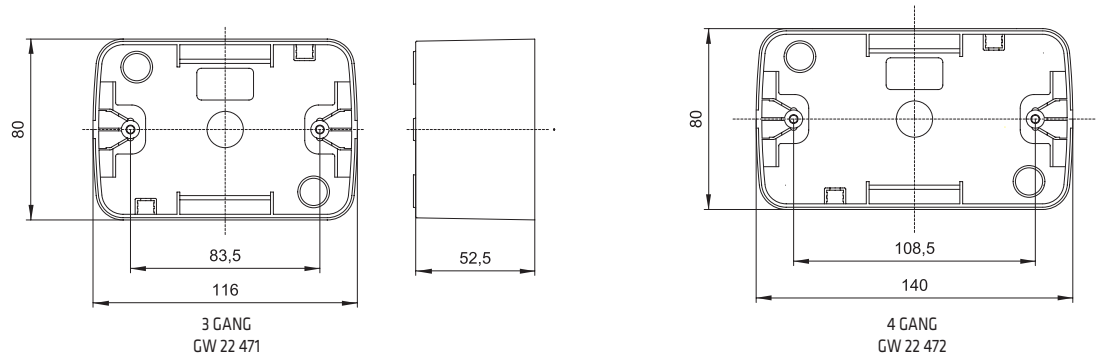


| Code | | A |
|-----------|--------|-----|
| GW 22 451 | 3 GANG | 130 |
| GW 22 452 | | |
| GW 22 453 | | |
| GW 22 461 | 4 GANG | 153 |
| GW 22 462 | | |
| GW 22 463 | | |

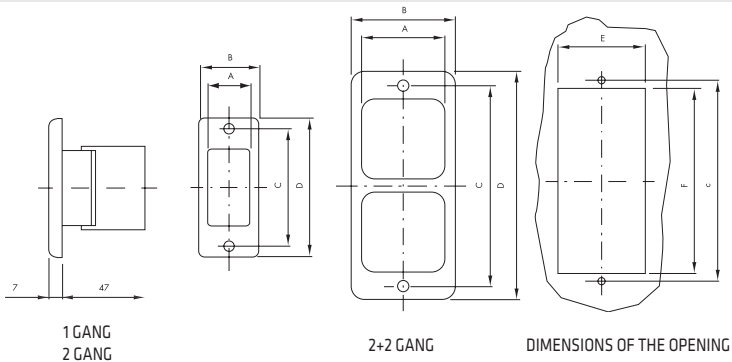
FREE-STANDING PANELS



WALL-MOUNTING BOXES FOR TOP SYSTEM PLATES

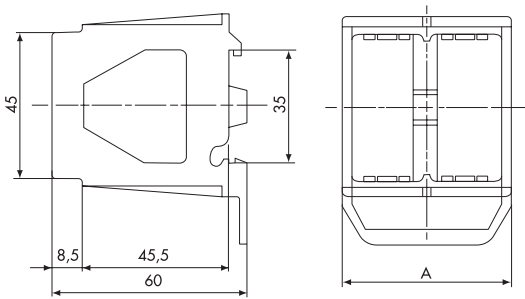


PLATES FOR PROFILES





























| | GW 24 009 GW 24 008 | GW 24 010 GW 24 011 | GW 24 022 GW 24 023 |
|---|------------------------|------------------------|------------------------|
| A | 1 GANG | 2 GANG | 2+2 GANG |
| B | 34 | 57 | 57 |
| C | 66.5 | 66.5 | 117 |
| D | 80 | 80 | 130 |
| E | 27.5 | 50.5 | 50.5 |
| F | 54 | 54 | 106 |

DIN RAIL SUPPORT



| | GW 26 410 | GW 26 409 |
|---|-----------|-----------|
| A | 52.5 | 26.5 |

System

| | FLUSH-MOUNTING BOXES | SUPPORTS | DEVICES |
|------|--|--|--|
| 3M | <div> GW 24 403</div> <div> GW 24 403 PM</div> | <div> GW 24 201</div> <div> GW 24 262</div> <div> GW 24 201</div> | <div></div> <div></div> <div></div> |
| 4M | <div> GW 24 404</div> <div> GW 24 404 PM</div> | <div> GW 24 202</div> | <div></div> |
| 6M | <div> GW 24 406</div> <div> GW 24 406 PM</div> | <div> GW 24 230</div> | <div></div> |
| 4+4M | <div> GW 24 237</div> <div> GW 24 237 PM</div> | <div> GW 24 240</div> | <div></div> |
| 6+6M | <div> GW 24 238</div> | <div> GW 24 241</div> | <div></div> |
| 2M | <div> GW 24 231</div> | <div> GW 24 262</div> | <div></div> |

PLATES

DOMESTIC RANGES

TOP SYSTEM



GW 22 xx1

VIRNA



GW 22 xx1

TOP SYSTEM



GW 22 xx2

VIRNA



GW 22 xx2

TOP SYSTEM



GW 22 xx3

VIRNA



GW 22 xx3

TOP SYSTEM



GW 22 xx4

VIRNA



GW 22 xx4

TOP SYSTEM



GW 22 xx6

VIRNA



GW 22 xx6

TOP SYSTEM



GW 22 xx7

VIRNA



GW 22 xx7

TOP SYSTEM



GW 22 xx8

VIRNA



GW 22 xx8

TOP SYSTEM



GW 22 xx2

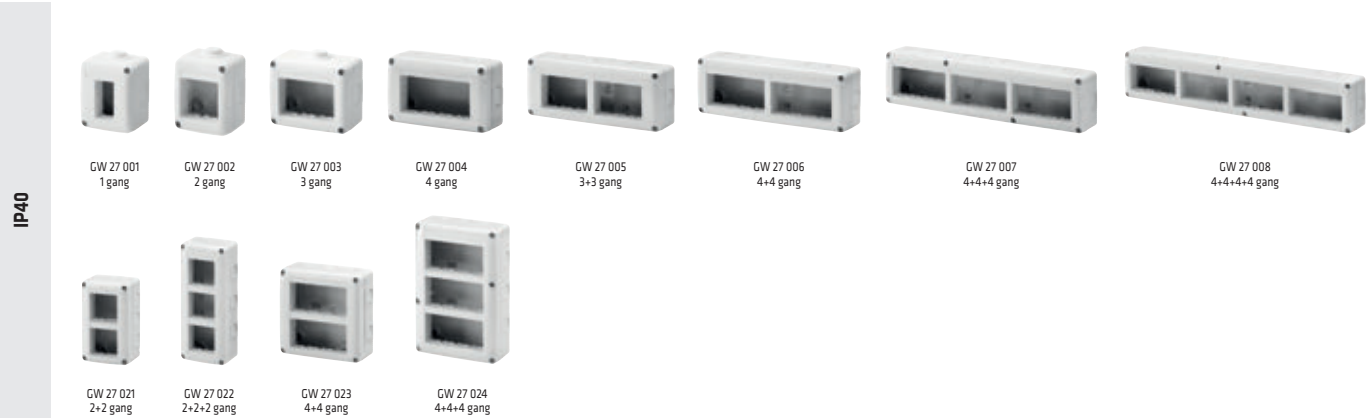
VIRNA



GW 22 xx2

27 Combi

COMBI SYSTEM 40 ENCLOSURES



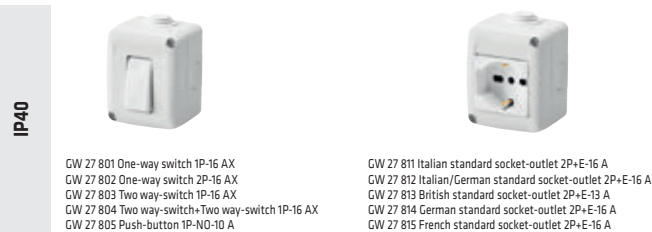
COMBI-DIN ENCLOSURES



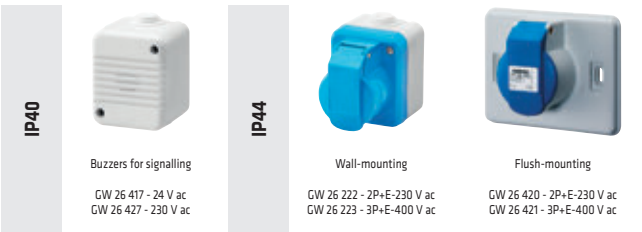
ENCLOSURES FOR MINI-TRUNKING USED AS SKIRTING AND FRAMING



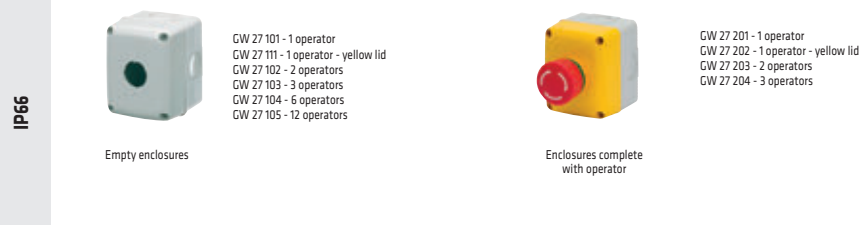
ENCLOSURES COMPLETE WITH SYSTEM DEVICES









COMPLETE DEVICES








COMBI 22 ENCLOSURES FOR Ø 22MM OPERATORS



COMBI SYSTEM 55/65 ENCLOSURES

| IP55 | DOMESTIC RANGES | | | | | |
|------|---|---|---|---|---|---|
| |  |  |  |  |  |  |
| | GW 27 041 1 gang | GW 27 042 2 gang | GW 27 043 3 gang | GW 27 044 4 gang | GW 27 051 4+4 gang | GW 27 052 4+4+4 gang |
| IP55 | | | IP65 | | | |
| |  |  | |  | | |
| | GW 27 056 3 gang Post head | GW 27 057 3 gang Post bracket | | GW 27 062 2 gang | | |





WATERTIGHT COVERS (FOR Q-DIN, Q-BOX)

| IP55 | For application on Q-DIN, junction boxes, PTC, IB range flanged lids, Q-BOX and panels | | IP65 | For application on Q-DIN, junction boxes, PTC, IB range flanged lids, Q-BOX and panels | | |
|------|--|--|---|--|---|---|
| |  | |  |  |  |  |
| | GW 27 401 2 gang 75x85 mm-IP55 Gray RAL 7035 | | GW 27 403 2 gang 75x85 mm-IP65 Grey RAL 7035 | GW 22 451 - 3 gang GW 22 461 - 4 gang Cloud white | GW 22 452 - 3 gang GW 22 462 - 4 gang Toner black | GW 22 453 - 3 gang GW 22 463 - 4 gang Grey RAL 7035 |

ENCLOSURES COMPLETE WITH SYSTEM DEVICES

| IP55 | | | IP65 |
|---|---|---|---|
|  |  |  |  |
| GW 27 831 One-way switch 1P-16 AX GW 27 832 One-way switch 2P-16 AX GW 27 833 Two way switch 1P-16 AX GW 27 834 Two way switch+Two way switch 1P-16 AX GW 27 835 Push-button 1P-NO-10 A | | | GW 27 841 Italian standard socket-outlet 2P+E-16 A GW 27 842 Italian/German standard socket-outlet 2P+E-16 A GW 27 843 British standard socket-outlet 2P+E-13 A GW 27 844 German standard socket-outlet 2P+E-16 A GW 27 845 French standard socket-outlet 2P+E-16 A |
| | | |  |
| | | | GW 27 836 Push-button 1P-NO-10 A With illuminable name plate |





COMPLETE DEVICES

| IP55 | | | IP65 |
|---|---|--|---|
|  |  |  |  |
| Indicator lamps 230 V ac | Electronic flashlights | GW 27 431 B IR movement detector 230 V ac | GW 27 432 Twilight sensor 230 V ac |

COMPLEMENTARY ITEMS

| Complementary items | | |
|---|---|---|
|  |  |  |
| GW 27 402 | GW 26 406 | GW 44 622 |
|  |  | |
| GW 26 407 | GW 27 441 Vertical division GW 27 442 Horizontal division | |

SHAVER SOCKET-OUTLETS

| Flush-mounting | Wall-mounting | Accessories |
|---|---|---|
|  |  |  |
| GW 27 861 - With base GW 27 866 - Without base | GW 27 862 - RAL 1013 With base GW 27 865 - RAL 1013 Without base GW 27 863 - RAL 9010 With base | GW 27 864 RAL 1013 - 230V ac With base |
| | |  |
| | | GW 27 867 Flush-mounting box GW 27 868 Wall-mounting box, white |

27 Combi

Wall-mounting enclosures and modular components

A complete, versatile system of modular containers, perfectly integrable in the SYSTEM domestic range and able to meet the high protection installation requirements of the residential, commercial and industrial sectors. The 27 COMBI range is available both in the IP40 version and in watertight versions with IP55 and IP65 degree of protection, recommended for all outdoor applications which are subjected to extreme atmospheric conditions.



Technical characteristics page 392

COMBI SYSTEM 40

PROTECTED ENCLOSURES FOR SYSTEM DEVICES



GW 27 001

PROTECTED EMPTY ENCLOSURES FOR FIXED OR MOBILE APPLICATIONS - GREY RAL 7035 - IP40



| Code | Description | N. holes Ø 23 with cable gland | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|-----------|-------------|--------------------------------|------------------------------|-----------------------|-----------------|-------------|
| GW 27 001 | 1 gang | 1 | 3 on sides / 1 on the bottom | 66x82x55 | Halogen free | 5/80 |
| GW 27 002 | 2 gang | 1 | 3 on sides / 1 on the bottom | 66x82x55 | Halogen free | 5/80 |
| GW 27 003 | 3 gang | 1 | 3 on sides / 1 on the bottom | 99x82x55 | Halogen free | 3/60 |
| GW 27 004 | 4 gang | | 8 on sides / 1 on the bottom | 132x82x55 | Halogen free | 2/40 |

CHARACTERISTICS: Knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.



GW 27 005

PROTECTED EMPTY ENCLOSURES FOR FIXED OR MOBILE APPLICATIONS - GREY RAL 7035 - IP40 HORIZONTAL MULTIPLE CONFIGURATIONS



| Code | Description | Configuration | Compartment pre-arrangement | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|-----------|-------------|---------------|-----------------------------|-------------------------------|-----------------------|-----------------|-------------|
| GW 27 005 | 6 gang | Module 3 x 2 | 2 | 8 on sides / 2 on the bottom | 198x82x55 | Halogen free | 1/30 |
| GW 27 006 | 8 gang | Module 4 x 2 | 2 | 10 on sides / 2 on the bottom | 231x82x55 | Halogen free | 1/20 |
| GW 27 007 | 12 gang | Module 4 x 3 | 3 | 16 on sides / 3 on the bottom | 330x82x55 | Halogen free | 1/20 |
| GW 27 008 | 16 gang | Module 4 x 4 | 2 | 18 on sides / 4 on the bottom | 429x82x55 | Halogen free | 1/20 |

CHARACTERISTICS: customized to be divided into compartments using the special functional dividers. Knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.



GW 27 021

PROTECTED EMPTY ENCLOSURES FOR FIXED OR MOBILE APPLICATIONS - GREY RAL 7035 - IP40 VERTICAL MULTIPLE CONFIGURATIONS



| Code | Description | Configuration | Compartment pre-arrangement | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|-----------|-------------|---------------|-----------------------------|-------------------------------|-----------------------|-----------------|-------------|
| GW 27 021 | 4 gang | Module 2 x 2 | 1 | 8 on sides / 1 on the bottom | 82x132x55 | Halogen free | 2/40 |
| GW 27 022 | 6 gang | Module 2 x 3 | 3 | 8 on sides / 2 on the bottom | 82x198x55 | Halogen free | 1/30 |
| GW 27 023 | 8 gang | Module 4 x 2 | 2 | 10 on sides / 2 on the bottom | 132x132x55 | Halogen free | 1/20 |
| GW 27 024 | 12 gang | Module 4 x 3 | 3 | 12 on sides / 3 on the bottom | 132x198x55 | Halogen free | 1/20 |

CHARACTERISTICS: customized to be divided into compartments (except for GW27021) using the special functional dividers. Knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.

SELF-SUPPORTING BOXES FOR SYSTEM DEVICES



GW 27 603

SELF-SUPPORTING DEVICE-HOLDER BOXES FOR MINI-TRUNKING FOR CABLES SINGLE AND TWIN-TRUNKING



| Code | No. gangs | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|-------------------------------|-----------|------------------------|-----------------------|-----------------|-------------|
| Colour: White RAL 9010 | | | | | |
| GW 27 603 | 1 | 1 on the bottom | 120x82x54 | Halogen free | 10 |
| GW 27 609 | 2 | 1 on the bottom | 120x82x54 | Halogen free | 10 |

CHARACTERISTICS: fitted for mini-trunking with sizes LxH (mm): 15x15, 20x20, 22x10, 30x10, 30x15, 35x15. Knockout holes removable with tool. Complete insulation can be obtained by using the screwcaps GW44622.



GW 27 615

SELF-SUPPORTING DEVICE-HOLDER BOXES FOR MINI-TRUNKING AND TRUNKING USED AS SKIRTING AND FRAMING



| Code | No. gangs | Compartment pre-arrangement | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|------------------------------------|-----------|-----------------------------|------------------------|-----------------------|-----------------|-------------|
| Colour: White RAL 9010 | | | | | | |
| GW 27 615 | 3 | 1 | 1 on the bottom | 99x82x54 | Halogen free | 10 |
| GW 27 621 | 4 | 1 | 1 on the bottom | 132x82x54 | Halogen free | 10 |
| GW 27 627 | 8 | 2 | 2 on the bottom | 132x132x54 | Halogen free | 5 |
| Colour: Anthracite RAL 7021 | | | | | | |
| GW 27 616 | 3 | 1 | 1 on the bottom | 99x82x54 | Halogen free | 10 |
| GW 27 622 | 4 | 1 | 1 on the bottom | 132x82x54 | Halogen free | 10 |
| GW 27 628 | 8 | 2 | 2 on the bottom | 132x132x54 | Halogen free | 5 |

CHARACTERISTICS: fitted for mini-trunking with sizes LxH (mm): 15x15, 20x20, 22x10, 30x10, 30x15, 35x15. Knockout holes removable with tool. Complete insulation can be obtained by using the screwcaps GW44622. GW27627 and GW27628 fitted for division into compartments using the special functional dividers.

COMBI SYSTEM 55

WATERTIGHT ENCLOSURES FOR SYSTEM DEVICES



GW 27 041

WATERTIGHT EMPTY ENCLOSURES FOR FIXED OR MOBILE APPLICATIONS - GREY RAL 7035 - IP55

| Code | Description | N. holes Ø 23 with cable gland | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------|--------------------------------|------------------------------|-----------------------|-------------|
| GW 27 041 | 1 gang | 1 | 3 on sides / 1 on the bottom | 66x82x65 | 5/60 |
| GW 27 042 | 2 gang | 1 | 3 on sides / 1 on the bottom | 66x82x65 | 5/60 |
| GW 27 043 | 3 gang | 1 | 3 on sides / 1 on the bottom | 99x82x65 | 2/40 |
| GW 27 044 | 4 gang | | 8 on sides / 1 on the bottom | 132x82x65 | 3/30 |

CHARACTERISTICS: Knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.



GW 27 051

WATERTIGHT EMPTY ENCLOSURES FOR FIXED OR MOBILE APPLICATIONS - GREY RAL 7035 - IP55
VERTICAL MULTIPLE CONFIGURATIONS

| Code | Description | Configuration | Compartment pre-arrangement | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------|---------------|-----------------------------|-------------------------------|-----------------------|-------------|
| GW 27 051 | 8 gang | Module 4 x 2 | 2 | 10 on sides / 2 on the bottom | 132x171x65 | 1/20 |
| GW 27 052 | 12 gang | Module 4 x 3 | 3 | 12 on sides / 3 on the bottom | 132x258x65 | 1/15 |

CHARACTERISTICS: customized to be divided into compartments using the special functional dividers. Knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.



GW 27 056

WATERTIGHT GARDEN ENCLOSURES FOR APPLICATION ON POLE - GREY RAL 7035 - IP55

| Code | Description | Fixing | For pole Ø | No. open holes | No. knockouts holes Ø20 | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------|--------------|------------|----------------|-------------------------|-----------------------|-------------|
| GW 27 056 | 3 gang | Post head | 54-60 mm | 1 | | 122x149x85 | 1/12 |
| GW 27 057 | 3 gang | Post bracket | 54-76 mm | 1 | 1 | 122x164x85 | 1/12 |

CHARACTERISTICS: GW27057, complete with 2 holes for screw fixing and 2 slots for fixing with thermoplastic or metal cable ties up to 13mm in height. Knockout holes removable with tool. Enclosures are fit for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.

ACCESSORIES SUPPLIED: cable gland PG13.5.

COMBI SYSTEM 65

WATERTIGHT ENCLOSURES FOR SYSTEM DEVICES



GW 27 062

EMPTY WATERTIGHT ENCLOSURES FOR FIXED OR MOBILE APPLICATIONS - SOLID SMOKED TRANSPARENT DOOR - GREY RAL 7035 - IP65

| Code | Description | No. knockout holes Ø23 | Door type | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------|------------------------------|-----------|-----------------------|-------------|
| GW 27 062 | 2 gang | 4 on sides / 1 on the bottom | Rigid | 66x82x65 | 5/60 |

CHARACTERISTICS: equipped with a transparent rigid door. Knockout holes removable with tool. Enclosures are fit for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.

COMPLETE COMBI SYSTEM ENCLOSURES AND DEVICES

PROTECTED ENCLOSURES COMPLETE WITH SYSTEM DEVICES



GW 27 801

PROTECTED ENCLOSURES COMPLETE WITH SYSTEM DEVICES COLOUR GREY RAL 7035 - IP40 - 250V AC

| Code | Description | N. holes Ø 23 with cable gland | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|-----------|-------------------------------|--------------------------------|------------------------------|-----------------------|-------------------------|-------------|
| GW 27 801 | One-way switch 1P - 16AX | 1 | 3 on sides / 1 on the bottom | 66x82x55 | | 5/60 |
| GW 27 802 | One-way switch 2P - 16AX | 1 | 3 on sides / 1 on the bottom | 66x82x55 | | 5/60 |
| GW 27 803 | Two-way switch 1P - 16AX | 1 | 3 on sides / 1 on the bottom | 66x82x55 | | 5/60 |
| GW 27 804 | 2 x Two-way switch 1P - 16AX | 1 | 3 on sides / 1 on the bottom | 66x82x55 | | 5/60 |
| GW 27 805 | Push-button 1P NO 10A | 1 | 3 on sides / 1 on the bottom | 66x82x55 | | 5/60 |
| GW 27 811 | S.-outlet 2P+E - 16A Dual amp | 1 | 3 on sides / 1 on the bottom | 66x82x55 | Italian standard | 5/80 |
| GW 27 812 | S.-outlet 2P+E - 16A Dual amp | 1 | 3 on sides / 1 on the bottom | 66x82x55 | Italian/German standard | 5/80 |
| GW 27 813 | Socket-outlet 2P+E - 13A | 1 | 3 on sides / 1 on the bottom | 66x82x55 | British Standard | 5/80 |
| GW 27 814 | Socket-outlet 2P+E - 16A | 1 | 3 on sides / 1 on the bottom | 66x82x55 | German standard | 5/80 |
| GW 27 815 | Socket-outlet 2P+E - 16A | 1 | 3 on sides / 1 on the bottom | 66x82x55 | French standard | 5/80 |

CHARACTERISTICS: Knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.

WATERTIGHT ENCLOSURES COMPLETE WITH SYSTEM DEVICES



GW 27 832

WATERTIGHT ENCLOSURES COMPLETE WITH SYSTEM DEVICES GREY RAL 7035 - IP55- 250V AC

| Code | Description | N. holes Ø 23 with cable gland | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|-----------|-------------------------------|--------------------------------|------------------------------|-----------------------|-------------------------|-------------|
| GW 27 831 | One-way switch 1P - 16AX | 1 | 3 on sides / 1 on the bottom | 66x82x65 | | 5/60 |
| GW 27 832 | One-way switch 2P - 16AX | 1 | 3 on sides / 1 on the bottom | 66x82x65 | | 5/60 |
| GW 27 833 | Two-way switch 1P - 16AX | 1 | 3 on sides / 1 on the bottom | 66x82x65 | | 5/60 |
| GW 27 834 | 2 x Two-way switch 1P - 16AX | 1 | 3 on sides / 1 on the bottom | 66x82x65 | | 5/60 |
| GW 27 835 | Push-button 1P NO 10A | 1 | 3 on sides / 1 on the bottom | 66x82x65 | | 5/60 |
| GW 27 836 | Push-button 1P NO 10A | 1 | 3 on sides / 1 on the bottom | 99x82x65 | Illuminable name plate | 2/40 |
| GW 27 841 | S.-outlet 2P+E - 16A Dual amp | 1 | 3 on sides / 1 on the bottom | 66x82x65 | Italian standard | 5/60 |
| GW 27 842 | S.-outlet 2P+E - 16A Dual amp | 1 | 3 on sides / 1 on the bottom | 66x82x65 | Italian/German standard | 5/60 |
| GW 27 843 | Socket-outlet 2P+E - 13A | 1 | 3 on sides / 1 on the bottom | 66x82x65 | British Standard | 5/60 |
| GW 27 844 | Socket-outlet 2P+E - 16A | 1 | 3 on sides / 1 on the bottom | 66x82x65 | German standard | 5/60 |
| GW 27 845 | Socket-outlet 2P+E - 16A | 1 | 3 on sides / 1 on the bottom | 66x82x65 | French standard | 5/60 |

CHARACTERISTICS: IP55 with door closed. Knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622. GW27836 supplied without lamp: S6x36 - 12/24V cartridge lamp required.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.

COMPLETE DEVICES



GW 26 222

WALL-MOUNTING INDUSTRIAL SOCKET-OUTLETS TO IEC 309 STANDARD - COLOUR GREY RAL 7035 - IP44

| Code | Rated current (A) | No. of poles | Rated voltage | Reference h | N. holes Ø 23 with cable gland | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------------|--------------|---------------|-------------|--------------------------------|------------------------------|-----------------------|-------------|
| GW 26 222 | 16 | 2P+E | 230 V ac | 6 | 1 | 1 on sides / 1 on the bottom | 64x80x97 | 5/40 |
| GW 26 223 | 16 | 3P+E | 400V ac | 6 | 1 | 1 on sides / 1 on the bottom | 64x80x97 | 5/40 |

rated voltage with alternated current.

CHARACTERISTICS: Knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.



GW 27 415

INDICATOR LAMPS- MAX 15W - GREY RAL 7035 - IP55

| Code | Diffuser colour | Rated voltage | Lampholder type | N. holes Ø 23 with cable gland | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-----------------|---------------|-----------------|--------------------------------|------------------------------|-----------------------|-------------|
| GW 27 415 | Red | 230 V ac | E14 | 1 | 3 on sides / 1 on the bottom | 66x82x95 | 5/40 |
| GW 27 416 | Green | 230 V ac | E14 | 1 | 3 on sides / 1 on the bottom | 66x82x95 | 5/40 |
| GW 27 417 | Yellow | 230 V ac | E14 | 1 | 3 on sides / 1 on the bottom | 66x82x95 | 5/40 |
| GW 27 418 | Transparent | 230 V ac | E14 | 1 | 3 on sides / 1 on the bottom | 66x82x95 | 5/40 |
| GW 27 419 | Light blue | 230 V ac | E14 | 1 | 3 on sides / 1 on the bottom | 66x82x95 | 5/40 |

Rated voltage with alternated current. Supplied without lamp.

CHARACTERISTICS: Knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.



GW 27 424

ELECTRONIC FLASHLIGHTS- MAX 25W - GREY RAL 7035 - IP55

| Code | Diffuser colour | Rated voltage | Flash frequency | Lampholder type | N. holes Ø 23 with cable gland | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-----------------|---------------|-----------------|-----------------|--------------------------------|------------------------------|-----------------------|-------------|
| GW 27 421 | Red | 24V ac | 1 Hz | E14 | 1 | 3 on sides / 1 on the bottom | 66x82x95 | 1/12 |
| GW 27 422 | Red | 230 V ac | 1 Hz | E14 | 1 | 3 on sides / 1 on the bottom | 66x82x95 | 1/12 |
| GW 27 423 | Yellow | 24V ac | 1 Hz | E14 | 1 | 3 on sides / 1 on the bottom | 66x82x95 | 1/12 |
| GW 27 424 | Yellow | 230 V ac | 1 Hz | E14 | 1 | 3 on sides / 1 on the bottom | 66x82x95 | 1/12 |

Supplied without lamp.

CHARACTERISTICS: knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.



GW 26 417

BUZZERS FOR SIGNALLING - GREY RAL 7035 - IP40

| Code | Rated voltage | Sound intensity | Frequency impulses of sound | N. holes Ø 23 with cable gland | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|---------------|-----------------|-----------------------------|--------------------------------|------------------------------|-----------------------|-------------|
| GW 26 417 | 24V ac | 70 dB (at 1 m) | 1 Hz | 1 | 1 on sides / 1 on the bottom | 64x80x59 | 1/12 |
| GW 26 427 | 230 V ac | 70 dB (at 1 m) | 1 Hz | 1 | 1 on sides / 1 on the bottom | 64x80x59 | 1/12 |

CHARACTERISTICS: knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407. GW26417 consumption 60mA.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.



GW 27 431 B

INFRARED ADJUSTABLE MOVEMENT DETECTOR 230V - 50 HZ - IP55

| Code | Range of action | Duration adjustment | Threshold adjustment | Outer dim. LxHxD (mm) | Pack Carton |
|--------------------|-----------------|---------------------|----------------------|-----------------------|-------------|
| GW 27 431 B | 12 m | 5 sec. - 12 min. | 5 - 1000 lux | 72x88x106 | 1/10 |

CHARACTERISTICS: horizontal cover range: 240°; rotation angle of the horizontal detection head: ±90°; sensitivity regulation: 3-12m. Incandescent lamps: max. 2000W, fluorescent lamps: max. 10x48W.

ACCESSORIES SUPPLIED: support for installation in corners; cover kit for limiting the detection field.



GW 27 432

LIGHT-SENSITIVE SENSOR WITH RELAY OUTPUT 230V - 50/60 HZ - IP65

| Code | Threshold adjustment | Output contacts | Outer dim. LxHxD (mm) | Pack Carton |
|------------------|----------------------|-------------------------|-----------------------|-------------|
| GW 27 432 | 0 - 200 lux | 1NO 16 A (AC1) 250 V ac | 55x106x45 | 1/24 |

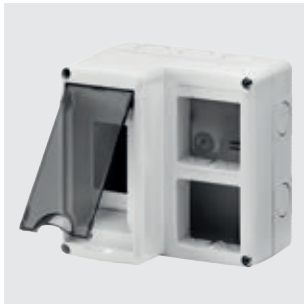
CHARACTERISTICS: Incandescent lamps: max. 2300W, uncompensated fluorescent lamps: max. 700W, compensated fluorescent lamps: max. 290W (35uF), energy-saving lamps (compact fluorescent): max. 105W.

APPLICATIONS: wall or pole mounting.

27 Combi

SPECIAL ENCLOSURES

COMBI-DIN - PROTECTED DIN-SYSTEM COMBINED ENCLOSURES



GW 27 071

PROTECTED ENCLOSURES FOR COMBINED INSTALLATION OF DIN MODULAR DEVICES AND SYSTEM SMOKED TRANSPARENT DOOR - GREY RAL 7035 - IP40



| Code | No. DIN modu-les | No. SYSTEM modules | Configuration | Dispersible power (W) | No. knockout holes Ø23 | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|-----------|------------------|--------------------|---------------|-----------------------|-------------------------------|-----------------------|-----------------|-------------|
| GW 27 071 | 2 | 4 | Module 2 x 2 | 13 | 10 on sides / 2 on the bottom | 132x132x95 | Halogen free | 1/8 |
| GW 27 072 | 4 | 8 | Module 2 x 4 | 15 | 12 on sides / 2 on the bottom | 231x132x95 | Halogen free | 1/6 |
| GW 27 073 | 8 | 16 | Module 4 x 4 | 18 | 18 on sides / 2 on the bottom | 429x132x95 | Halogen free | 1/4 |

CHARACTERISTICS: customized to be divided into 2 vertical compartments (except for GW27071) using the special functional dividers. Knockout holes removable with tool. Enclosures are customized for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.

ACCESSORIES SUPPLIED: quick entry cable gland for cables with Ø from 4 to 14 mm and conduits Ø 16 and 20 mm.

NOTES: dispersible power calculated according to IEC 60670-24.

COMBI-IN - FLUSH-MOUNTING FLANGED COMPONENTS



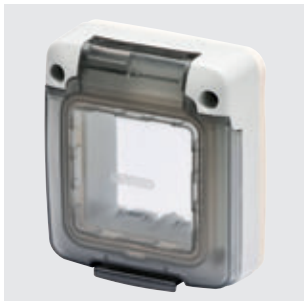
GW 27 401

SYSTEM 2-GANG WATERTIGHT CAP - GREY RAL 7035 - IP55

| Code | No. SYSTEM modules | Door type | Dimensions LxH (mm) | Pack Carton |
|-----------|--------------------|---------------|---------------------|-------------|
| GW 27 401 | 2 | With membrane | 75x85 | 3/60 |

ACCESSORIES SUPPLIED: 4 self-tapping screws. IP55 with door closed.

APPLICATIONS: for Q-DIN boards, junction boxes PTC, flanged lids 66 range, Q-BOX and panels



GW 27 403

SYSTEM 2-GANG WATERTIGHT CAP - SOLID SMOKED TRANSPARENT DOOR - GREY RAL 7035 - IP65

| Code | No. SYSTEM modules | Door type | Dimensions LxH (mm) | Pack Carton |
|-----------|--------------------|------------|---------------------|-------------|
| GW 27 403 | 2 | Rigid IK09 | 75x85 | 3/60 |

ACCESSORIES SUPPLIED: 4 self-tapping screws. IP65 with door closed.

APPLICATIONS: for Q-DIN boards, junction boxes, PTC, flanged lids 66 range, Q-BOX and panels.



GW 22 451

SELF-SUPPORTING WATERTIGHT PLATES FOR INSTALLATION ON FLUSH-MOUNTING RECTANGULAR BOXES - IP55

| Code | Description | Colour Plate | For flush mounting box | Pack Carton |
|-----------|-------------|---------------|------------------------|-------------|
| GW 22 451 | 3 gang | Cloud white | GW24403, GW24403PM | 30 |
| GW 22 452 | 3 gang | Black | GW24403, GW24403PM | 30 |
| GW 22 453 | 3 gang | Grey RAL 7035 | GW24403, GW24403PM | 30 |
| GW 22 461 | 4 gang | Cloud white | GW24404, GW24404PM | 30 |
| GW 22 462 | 4 gang | Black | GW24404, GW24404PM | 30 |
| GW 22 463 | 4 gang | Grey RAL 7035 | GW24404, GW24404PM | 30 |

CHARACTERISTICS: ergonomic membrane with notches in UV-resistant material. Snap closing system. Opening made easy by wide key.



GW 26 420

INDUSTRIAL SOCKET-OUTLETS IN COMPLIANCE WITH IEC 309 - GREY RAL 7035 - IP44

| Code | Rated current (A) | No. of poles | Rated voltage | Reference h | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------------|--------------|---------------|-------------|-----------------------|-------------|
| GW 26 420 | 16 | 2P+E | 230 V ac | 6 | 116x90x45 | 1/20 |
| GW 26 421 | 16 | 3P+E | 400V ac | 6 | 116x90x45 | 1/20 |

CHARACTERISTICS: for installation on rectangular flush-mounting box GW24403.

COMBI 22 - ENCLOSURES FOR PUSH BUTTONS, CONTROLS AND INDICATORS Ø 22 MM



GW 27 101

EMPTY ENCLOSURES FOR PUSH-BUTTONS, CONTROLS AND INDICATORS Ø 22 MM - GREY RAL 7035 - IP66

| Code | No. gangs | Side entries | Top entries | Bottom entries | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-----------|--------------|-------------|----------------|-----------------------|-------------|
| GW 27 101 | 1 | 2xØ 23 | 1xØ 23 | 1xØ 23 | 66x82x65 | 5/60 |
| GW 27 111 | 1 | 2xØ 23 | 1xØ 23 | 1xØ 23 | 66x82x65 | 5/60 |
| GW 27 102 | 2 | 6xØ 23 | 1xØ 23 | 1xØ 23 | 132x82x65 | 2/30 |
| GW 27 103 | 3 | 4xØ 23 | 1xØ 23 | 1xØ 23 | 66x171x65 | 1/20 |
| GW 27 104 | 6 | 4xØ 23 | 3xØ 23 | 3xØ 23 | 132x171x65 | 1/10 |
| GW 27 105 | 12 | 4xØ 23 | 3xØ 23 | 3xØ 23 | 264x171x65 | 1/10 |

CHARACTERISTICS: degree of protection guaranteed with IP66 operators correctly installed. The hole seat has knockouts for installing operators with any reference. GW27111 with specific yellow lid for assembling emergency push-buttons GW74361, GW74362 and GW74365.



GW 27 202

ENCLOSURES COMPLETE WITH OPERATOR - GREY RAL 7035 - IP66

| Code | No. gangs | Contacts | Operators Ø 22 | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-----------|-------------|--------------------------|-----------------------|-------------|
| GW 27 201 | 1 | 1 NO | General (black) | 66x82x65 | 1/30 |
| GW 27 202 | 1 | 1 NO - 1 NC | Emergency (red) | 66x82x65 | 1/30 |
| GW 27 203 | 2 | 1 NO - 1 NC | Start (green) Stop (red) | 132x82x65 | 1/10 |
| GW 27 204 | 3 | 1 NO - 1 NC | Start, stop, indicator | 66x171x65 | 1/10 |

CHARACTERISTICS: 3-seat flange. Maximum protrusion of the operator from the container: GW27201, GW27203, GW27204 - 20mm; GW27202 - 25mm. GW27202, yellow lid, mushroom-head push-button with retainer. GW27204, direct supply, BA9S coupling included, max 380V-2 W, lamp not included, operators Ø 22 for run (green), stop (red) and signalling (white). Complete insulation, in accordance with Standard IEC 536.

COMPLEMENTARY ITEMS

COMPLEMENTARY ITEMS



GW 27 402

JUNCTION BOX FOR COMBINED ASSEMBLY OF MODULAR CONTAINERS - GREY RAL 7035 - IP55

| Code | No. knockout holes Ø23 | Lid screws | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|------------------------------|-----------------|--------------------------|----------------|
| GW 27 402 | 8 on sides / 1 on the bottom | Stainless steel | 132x82x55 | 2/60 |

CHARACTERISTICS: knockout holes removable with tool. Enclosures are fit for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.



GW 26 406

WATERPROOF COUPLER FOR ENCLOSURES, DEVICES AND BOXES - IP55

| Code | Mounting hole Ø (mm) | Type of pitch | Pack Carton |
|-----------|-------------------------|---------------|----------------|
| GW 26 406 | 23 | PG16 | 25/250 |

APPLICATIONS: for the combined assembly of enclosures, junction boxes, etc..



GW 27 441

FUNCTIONAL DIVIDER IN INSULATING MATERIAL FOR WALL-MOUNTING MODULAR ENCLOSURES

| Code | Suitable for | Pack Carton |
|-----------|--|----------------|
| GW 27 441 | GW27005, GW27006, GW27007, GW27008, GW27022 | 10/100 |
| GW 27 442 | GW27023, GW27024, GW27051, GW27052, GW27072, GW27073, GW27627, GW27628 | 10/100 |

APPLICATIONS: circuits with different voltages / Energy-signal division / Division of special circuits.



GW 27 443

FUNCTIONAL DIVIDERS IN METAL FOR MODULAR ENCLOSURES FOR WALL-MOUNTING

| Code | Suitable for | Pack Carton |
|-----------|---------------------------|----------------|
| GW 27 443 | GW27024, GW27627, GW27628 | 10/100 |



GW 44 622

INSULATING SCREW CAP

| Code | Description | Pack Carton |
|-----------|----------------|----------------|
| GW 44 622 | Screwcap Ø16mm | 10/100 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.



GW 26 407

BRASS TERMINAL FOR THROUGH-LINE EARTH CONDUCTOR

| Code | Section (mm²) | Fixing | Pack Carton |
|-----------|------------------|-------------------|----------------|
| GW 26 407 | 4 | Pressure-operated | 200/1600 |

SHAVER SOCKET-OUTLET

SHAVER SOCKET-OUTLET



GW 27 861

SHAVER SOCKET-OUTLET FOR FLUSH-MOUNTING - 230/115V AC

| Code | Primary voltage | Secondary voltage | Power | Colour | Pack Carton |
|-----------|-----------------|-------------------|-------|----------------|-------------|
| GW 27 861 | 230 V ac | 230-115V ac | 20VA | White RAL 1013 | 1 |

CHARACTERISTICS: equipped with output voltage frontal selector.
ACCESSORIES SUPPLIED: flush-mounting box included.



GW 27 866

SHAVER SOCKET-OUTLET - 230/115V AC

| Code | Primary voltage | Secondary voltage | Power | Colour | Pack Carton |
|-----------|-----------------|-------------------|-------|----------------|-------------|
| GW 27 866 | 230 V ac | 230-115V ac | 20VA | White RAL 1013 | 1 |

CHARACTERISTICS: equipped with output voltage frontal selector.
ACCESSORIES SUPPLIED: to complete with flush-mounting box GW27867 or wall-mounting box GW27868.



GW 27 863

SHAVER SOCKET-OUTLETS FOR FLUSH-MOUNTING - 230V AC

| Code | Primary voltage | Secondary voltage | Power | Colour | Pack Carton |
|-----------|-----------------|-------------------|-------|----------------|-------------|
| GW 27 862 | 230 V ac | 230 V ac | 20VA | White RAL 1013 | 1 |
| GW 27 863 | 230 V ac | 230 V ac | 20VA | White RAL 9010 | 1 |

ACCESSORIES SUPPLIED: flush-mounting box included.



GW 27 865

SHAVER SOCKET-OUTLET - 230V AC

| Code | Primary voltage | Secondary voltage | Power | Colour | Pack Carton |
|-----------|-----------------|-------------------|-------|----------------|-------------|
| GW 27 865 | 230 V ac | 230 V ac | 20VA | White RAL 1013 | 1 |

NOTE: to complete with flush-mounting box GW27867 or wall-mounting box GW27868.



GW 27 864

SHAVER SOCKET-OUTLET FOR WALL-MOUNTING - 230V AC

| Code | Primary voltage | Secondary voltage | Power | Colour | Pack Carton |
|-----------|-----------------|-------------------|-------|----------------|-------------|
| GW 27 864 | 230 V ac | 230 V ac | 20VA | White RAL 1013 | 1 |

ACCESSORIES SUPPLIED: wall-mounting box included.



GW 27 867

SHAVER SOCKET-OUTLET BOXES

| Code | Description | Colour | Pack Carton |
|-----------|--------------------|--------|-------------|
| GW 27 867 | Flush-mounting box | | 1/24 |
| GW 27 868 | Wall-mounting box | White | 1/24 |

NOTE: to utilize for installation of shaver socket-outlet GW27865 and GW27866.

LOCAL RESIDUAL CURRENT PROTECTION DEVICES

SAFETY SOCKET-OUTLETS WITH RESIDUAL CURRENT PROTECTION



GW 95 922

FLUSH-MOUNTING RCD SAFETY SOCKET-OUTLETS - TYPE A - COLOUR POLAR WHITE - IP21

| Code | Idn | Rated current | Rated voltage | Pack Carton |
|-----------|-------|---------------|---------------|-------------|
| GW 95 921 | 10 mA | 16 A | 230 V | 1/2 |
| GW 95 922 | 30 mA | 16 A | 230 V | 1/2 |



GW 95 924

FLUSH-MOUNTING RCD SAFETY SOCKET-OUTLETS - TYPE A - COLOUR POLAR WHITE
WATER PROTECTED VERSION IP44

| Code | Idn | Rated current | Rated voltage | Pack Carton |
|-----------|-------|---------------|---------------|-------------|
| GW 95 923 | 10 mA | 16 A | 230 V | 1/2 |
| GW 95 924 | 30 mA | 16 A | 230 V | 1/2 |



GW 95 925

WALL-MOUNTING RCD SAFETY UNIT - TYPE A - COLOUR POLAR WHITE - IP41

| Code | Idn | Rated current | Rated voltage | Pack Carton |
|-----------|-------|---------------|---------------|-------------|
| GW 95 925 | 10 mA | 16 A | 230 V | 1/2 |
| GW 95 926 | 30 mA | 16 A | 230 V | 1/2 |



GW 95 928

WALL-MOUNTING HOUSING FOR RCD SAFETY SOCKET-OUTLETS AND UNITS

| Code | Suitable for | Colour | Pack Carton |
|-----------|---------------------|--------|-------------|
| GW 95 928 | IP44 socket-outlets | White | 5/100 |

27 Combi

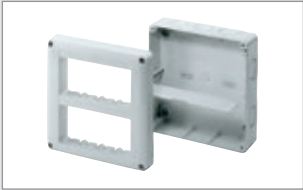


WALL-MOUNTING
CONTAINERS



The 27 Combi range: tailored protection for every system: a complete and versatile range of modular enclosures, perfectly integrable in the System domestic range, with a degree of protection of IP40, IP55 and IP65, according to the type of application required.

COMBI IP40:
SAFETY AND VERSATILITY



The modular containers are extremely easy to install, thanks to the possibility to make installations combining different enclosures for custom-made configurations and to the considerable wiring space inside which can be divided using the special functional elements.

COMBI IP55: ERGONOMICS
AND PROTECTION



The special transparent membrane with notches makes it easy to identify the button keys by simply touching them. The door clicks open simply by pressing it near the top. The perfect watertight protection rating is ensured by the door closing system and the sealing gasket couplings.

General characteristics

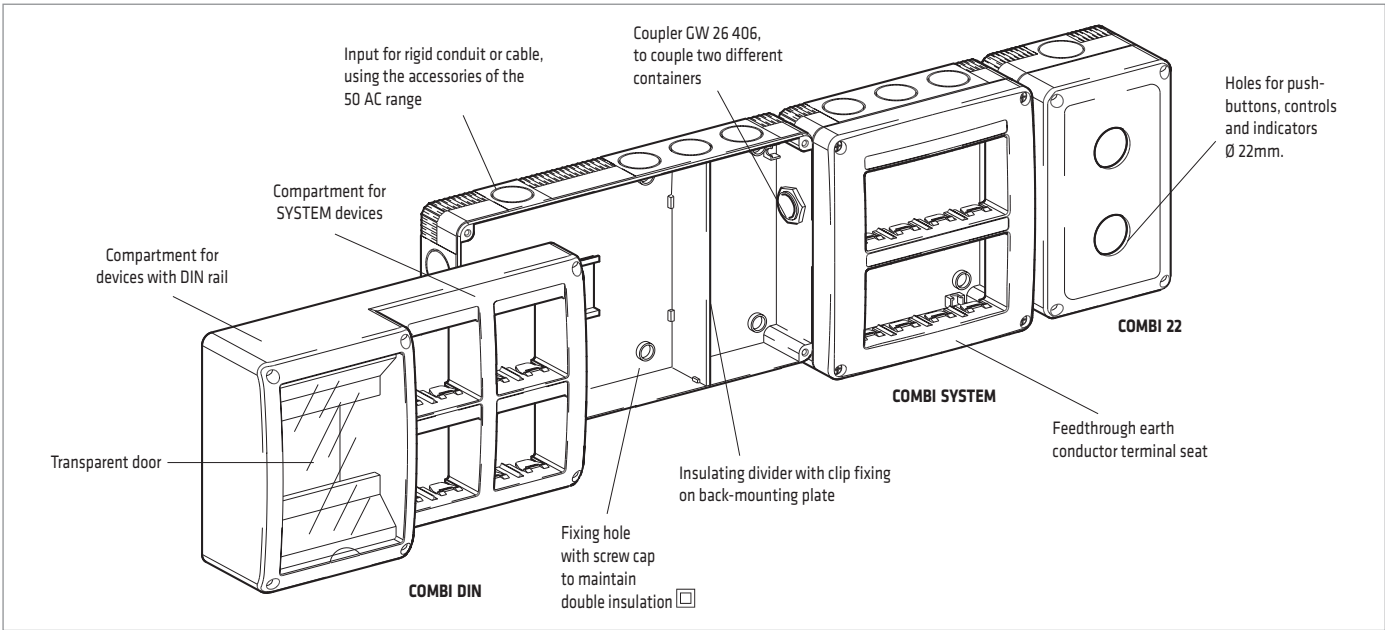
| REFERENCE STANDARDS AND TECHNICAL DATA | | | | | | | |
|---|----------------------------|-------------------------|--------------------------------------|--------------------------|---------|---------------------------|----------------|
| Products | Reference Standards | IP degree of protection | Protection against indirect contacts | Installation temperature | | Thermo-pressure with ball | Glow Wire Test |
| | | | | Minimum | Maximum | | |
| COMBI SYSTEM enclosures | EN 60670-1 | IP 40 - IP 55 | | -25°C | +60°C | 70°C | 650°C |
| COMBI 22 enclosures | EN 60670-22 | IP 66 | | | | 70°C | 650°C |
| Garden enclosures | EN 60670-1 | IP 55 | | | | 70°C | 650°C |
| COMBI DIN enclosures | EN 60670-1 IEC 60670-24 | IP 40 | | | | 70°C | 650°C |
| Enclosures for mini-trunking and trunking | EN 50085-2-1 | IP40 | | -5°C | | 70°C | 650°C |

* The Standard references above refer to unwired shells.
The shells supplied complete with devices meet the respective product norms.

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | | | |
|--|-------|-----------------|--------------|---------|--------------|---------|----------|--------|---------|---------------|-------------|---------|
| Agent | Water | Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | | | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistance* | | | | | | | | | | | | |

* The resistance values given are valid for an ambient temperature no higher than 40°C.

Construction characteristics



Incoming connection on cable glands

INSERTION OF CABLES

In order to make correctly the introduction of CABLES into the dedicated seat of the cable glands, it is necessary that:

1. The cable is cut with a miter cut on the side for insertion in cable gland



2. In the central area of the cable gland, dedicated for cables, make using a tool (eg. screwdriver), a hole of size:

| External Diameter Of Cable | Dimension of hole For Insertion of Cable |
|----------------------------|--|
| 4÷7 mm | 3.5 mm |
| >7÷9 mm | 6 mm |
| >9÷13mm | 8 mm |
| >13÷14mm | 9 mm |

INSERTION OF RIGID PIPES

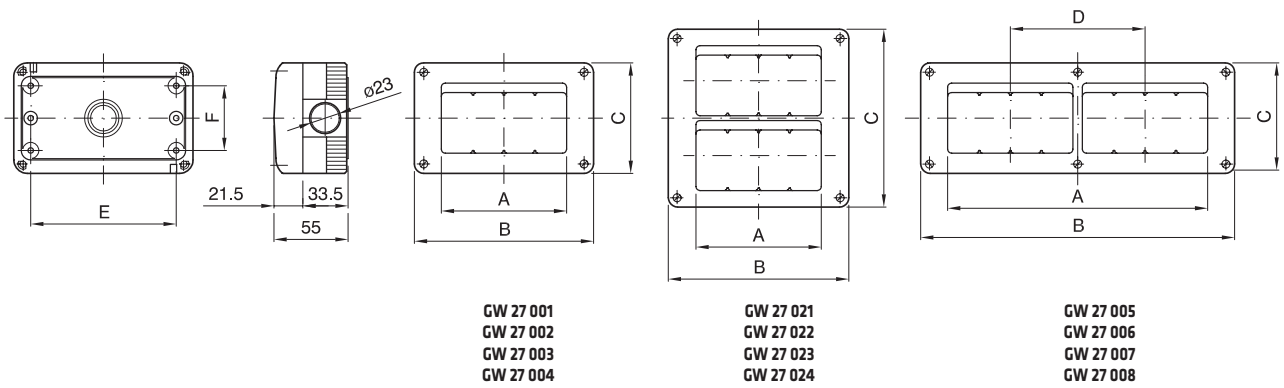
In order to make correctly the introduction of RIGID PIPES into the dedicated sectors of the cable glands, it is necessary that:

1. Remove completely the section of cable gland necessary to insert the rigid pipes by cutting the sector with cutter.
2. Remove any cutting waste from the rigid pipe before inserting it into the cable gland.

27 Combi

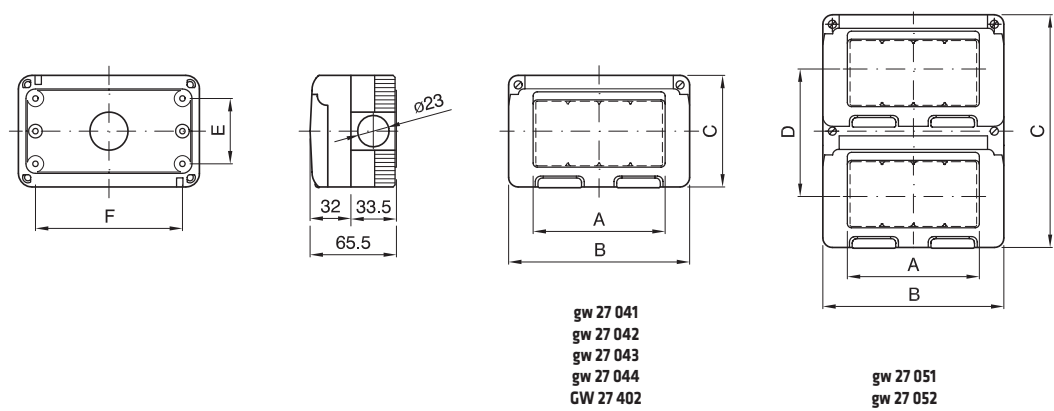
Dimension tables

COMBI SYSTEM 40



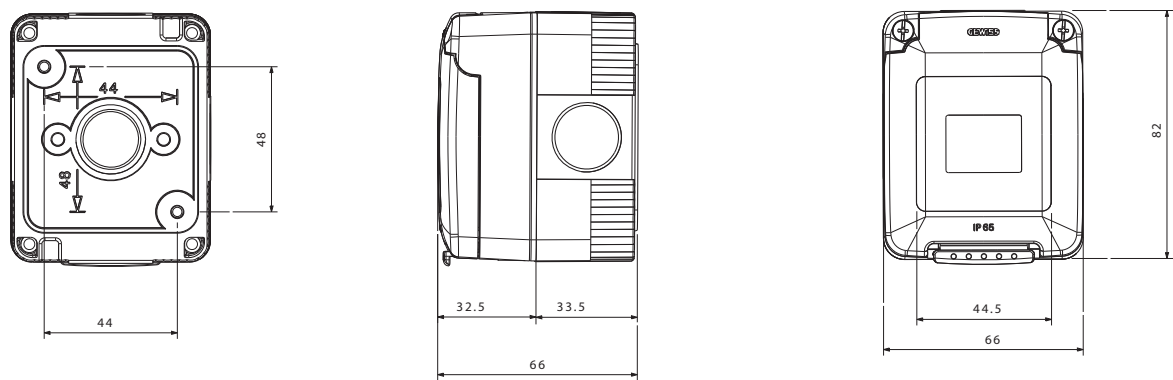
| Code | GW 27 001 | GW 27 002 | GW 27 003 | GW 27 004 | GW 27 005 | GW 27 006 | GW 27 007 | GW 27 008 | GW 27 021 | GW 27 022 | GW 27 023 | GW 27 024 |
|------|--------------------|---------------------|---------------------|---------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| A | 1 SYSTEM MODULE | 2 SYSTEM MODULES | 3 SYSTEM MODULES | 4 SYSTEM MODULES | 6 (3 MOD. x 2) HORIZONTAL | 8 (4 MOD. x 2) HORIZONTAL | 12 (4 MOD. x 3) HORIZONTAL | 16 (4 MOD. x 4) HORIZONTAL | 4 (2 MOD. x 2) VERTICAL | 6 (2 MOD. x 3) VERTICAL | 8 (4 MOD. x 2) VERTICAL | 12 (4 MOD. x 3) VERTICAL |
| B | 66 | 66 | 99 | 132 | 198 | 231 | 330 | 429 | 82 | 82 | 132 | 132 |
| C | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 132 | 198 | 132 | 198 |
| D | - | - | - | - | 1 STEP | 1 STEP | 2 STEPS | 3 STEPS | 1 STEP | 2 STEPS | 1 STEP | 2 STEPS |
| E | 44 | 44 | 75 | 110 | 175 | 208 | 307 | 406 | 48 | 48 | 110 | 110 |
| F | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 110 | 175 | 98 | 175 |

COMBI SYSTEM 55



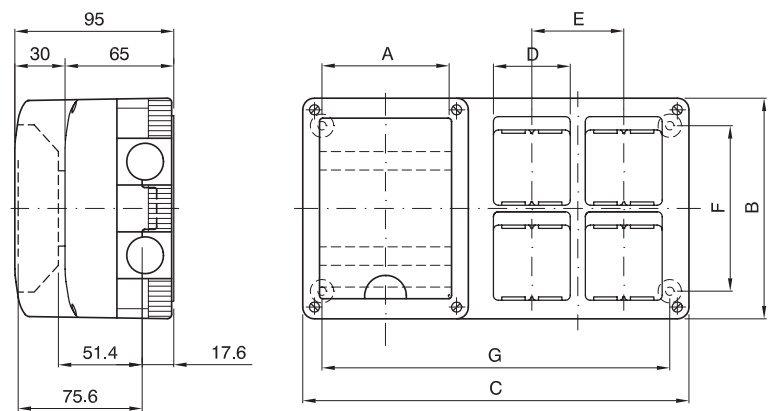
| Code | GW 27 041 | GW 27 042 | GW 27 043 | GW 27 044 | GW 27 051 | GW 27 052 | GW 27 402 |
|------|--------------------|--------------------|--------------------|--------------------|-------------------------------|--------------------------------|-----------------|
| A | 1 SYSTEM MODULE | 2 SYSTEM MODULE | 3 SYSTEM MODULE | 4 SYSTEM MODULE | 8 (4 MOD. x 2) VERTICAL | 12 (4 MOD. x 3) VERTICAL | JUNCTION BOX |
| B | 66 | 66 | 99 | 132 | 132 | 132 | 132 |
| C | 82 | 82 | 82 | 82 | 170 | 258 | 82 |
| D | - | - | - | - | N. 1 PASSO | N. 2 PASSI | - |
| E | 48 | 48 | 48 | 48 | 136 | 224 | 48 |
| F | 44 | 44 | 75 | 110 | 110 | 110 | 110 |

COMBI SYSTEM 65



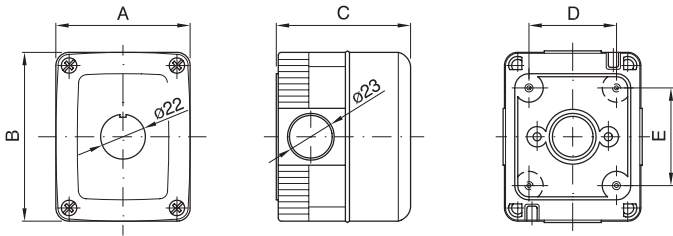
GW 27 062

COMBI DIN



| Code | GW 27 071 | GW 27 072 | GW 27 073 |
|------|-------------------|-------------------|--------------------|
| A | 2 DIN MOD. | 4 DIN MOD. | 8 DIN MOD. |
| B | 132 | 132 | 132 |
| C | 132 | 231 | 429 |
| D | 4 (2 MOD. x 2) | 8 (2 MOD. x 4) | 16 (4 MOD. x 4) |
| E | - | 1 STEP | 1 STEP |
| F | 98 | 98 | 98 |
| G | 110 | 209 | 407 |

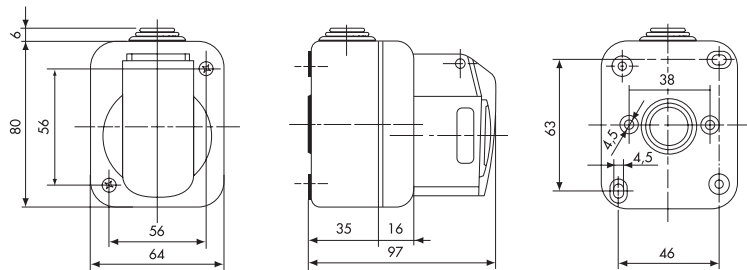
COMBI 22



| Code | No. gangs | A | B | C | D | E | No. knockouts |
|------------------------|-----------|-----|-----|----|-----|-----|---------------|
| GW 27 101 GW 27 111 | 1 | 66 | 82 | 65 | 44 | 48 | 4 |
| GW 27 102 | 2 | 132 | 85 | | 48 | 110 | 8 |
| GW 27 103 | 3 | 66 | 171 | | 44 | 137 | 6 |
| GW 27 104 | 6 | 132 | 171 | | 110 | | 10 |
| GW 27 105 | 12 | 264 | 171 | | 210 | | 10 |

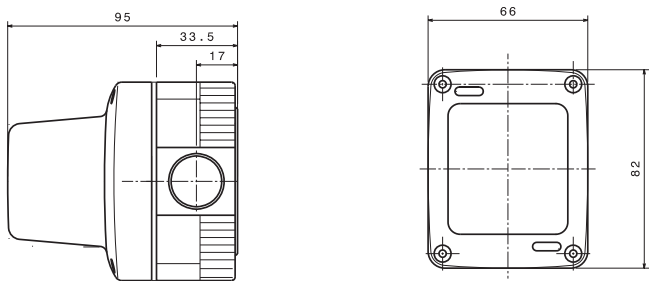
Complete devices

SURFACE-MOUNTING INDUSTRIAL SOCKET-OUTLETS TO IEC309 STANDARD - GREY RAL 7035 - IP44



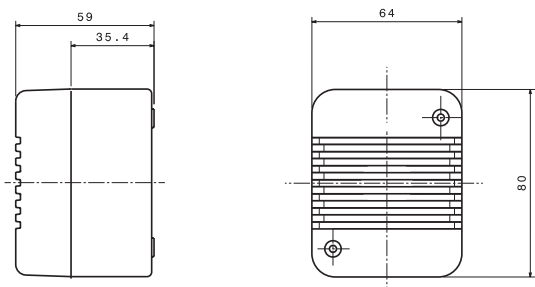
GW 26 222 - GW 26 223

INDICATOR LAMPS MAX 15W AND ELECTRONIC FLASHLIGHTS MAX 25W - GREY RAL 7035 - IP55



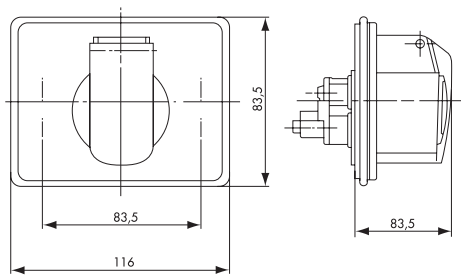
GW 27 415 - GW 27 416 - GW 27 417 - GW 27 418 - GW 27 419
GW 27 421 - GW 27 422 - GW 27 423 - GW 27 424

SIGNAL BUZZERS - GREY RAL7035 - IP40



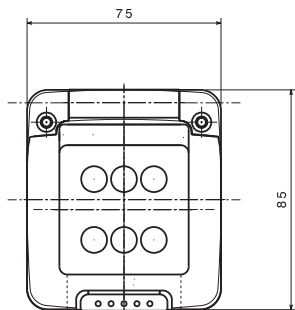
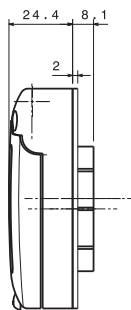
GW 26 417 - GW 26 427

**INDUSTRIAL SOCKET-OUTLETS TO IEC309 STANDARD,
FOR INSTALLATION IN FLUSH-MOUNTING RECTANGULAR BOX GW 24 403 - GREY RAL 7035 - IP44**

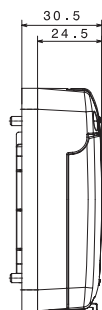
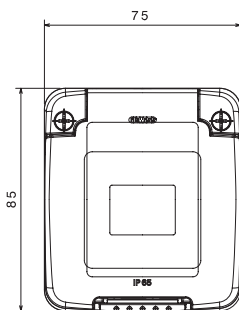


GW 26 420 - GW 26 421

**SYSTEM 2 GANG WATERTIGHT CAPS FOR APPLICATIONS ON Q-DIN BOARDS, PTC JUNCTION BOXES,
FLANGED COVERS OF THE 66 AND Q-BOX RANGES, AND PANELS - GREY RAL 7035 - IP55**

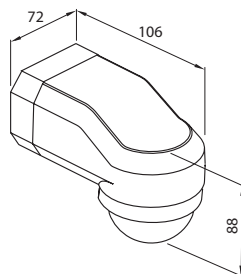


Watertight cap with membrane - IP55
GW 27 401



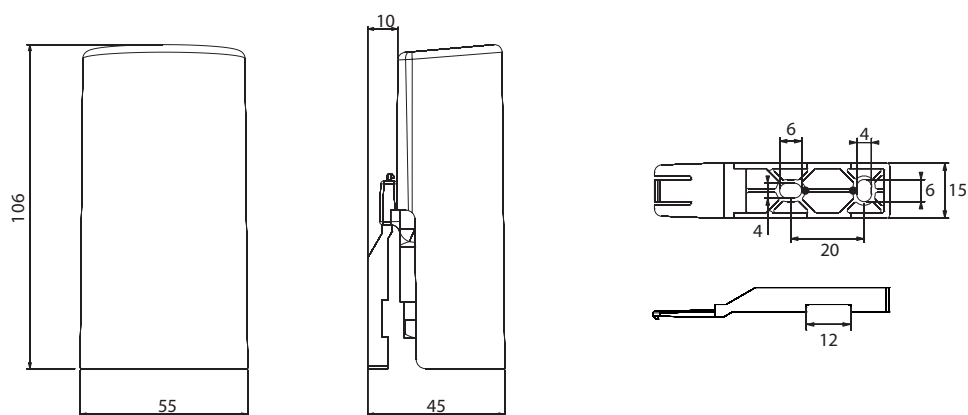
Watertight solid cap - IP65
GW 27 403

DIRECTIONAL INFRARED MOVEMENT DETECTOR WITH TWILIGHT SENSOR 230V 50Hz- GREY RAL 7035 - IP55









GW 27 431 B

LIGHT-SENSITIVE DETECTOR WITH RELAY OUTPUT - 230V 50Hz - IP65



GW 27 432

PLAYBUS YOUNG PLATES: 10 COLOURS

| | | | | | |
|-------------|---|--|------------------|--|--|
| CLOUD WHITE |  | GW 32 241 1 gang GW 32 242 2 gang GW 32 243 3 gang GW 32 244 4 gang GW 32 246 6 gang | TONER BLACK |  | GW 32 301 1 gang GW 32 302 2 gang GW 32 303 3 gang GW 32 304 4 gang GW 32 306 6 gang |
| SKY BLUE |  | GW 32 391 1 gang GW 32 392 2 gang GW 32 393 3 gang GW 32 394 4 gang GW 32 396 6 gang | CLASSIC BURGUNDY |  | GW 32 371 1 gang GW 32 372 2 gang GW 32 373 3 gang GW 32 374 4 gang GW 32 376 6 gang |
| CORN YELLOW |  | GW 32 321 1 gang GW 32 322 2 gang GW 32 323 3 gang GW 32 324 4 gang GW 32 326 6 gang | ENGLISH WALNUT |  | GW 32 771 1 gang GW 32 772 2 gang GW 32 773 3 gang GW 32 774 4 gang GW 32 776 6 gang |
| SOFT CHROME |  | GW 32 751 1 gang GW 32 752 2 gang GW 32 753 3 gang GW 32 754 4 gang GW 32 756 6 gang | ANTIQUE GOLD |  | GW 32 761 1 gang GW 32 762 2 gang GW 32 763 3 gang GW 32 764 4 gang GW 32 766 6 gang |
| TITANIUM |  | GW 32 701 1 gang GW 32 702 2 gang GW 32 703 3 gang GW 32 704 4 gang GW 32 706 6 gang | SLATE |  | GW 32 711 1 gang GW 32 712 2 gang GW 32 713 3 gang GW 32 714 4 gang GW 32 716 6 gang |

PLAYBUS YOUNG PLATES: MODULARITY FROM 1G TO 6G



PLAYBUS PLATES: 10 COLOURS

CLOUD WHITE



| | |
|-----------|------------|
| GW 32 021 | 1 gang |
| GW 32 022 | 2 gang |
| GW 32 023 | 3 gang |
| GW 32 024 | 4 gang |
| GW 32 026 | 6 gang |
| GW 32 027 | 4+4 gang |
| GW 32 028 | 6+6 gang |
| GW 32 029 | 6+6+6 gang |

SKY BLUE



| | |
|-----------|----------|
| GW 32 561 | 1 gang |
| GW 32 562 | 2 gang |
| GW 32 563 | 3 gang |
| GW 32 564 | 4 gang |
| GW 32 566 | 6 gang |
| GW 32 567 | 4+4 gang |

CORN YELLOW



| | |
|-----------|----------|
| GW 32 581 | 1 gang |
| GW 32 582 | 2 gang |
| GW 32 583 | 3 gang |
| GW 32 584 | 4 gang |
| GW 32 586 | 6 gang |
| GW 32 587 | 4+4 gang |

SOFT CHROME



| | |
|-----------|----------|
| GW 32 071 | 1 gang |
| GW 32 072 | 2 gang |
| GW 32 073 | 3 gang |
| GW 32 074 | 4 gang |
| GW 32 076 | 6 gang |
| GW 32 077 | 4+4 gang |

TITANIUM



| | |
|-----------|------------|
| GW 32 011 | 1 gang |
| GW 32 012 | 2 gang |
| GW 32 013 | 3 gang |
| GW 32 014 | 4 gang |
| GW 32 016 | 6 gang |
| GW 32 017 | 4+4 gang |
| GW 32 018 | 6+6 gang |
| GW 32 019 | 6+6+6 gang |

TONER BLACK



| | |
|-----------|----------|
| GW 32 051 | 1 gang |
| GW 32 052 | 2 gang |
| GW 32 053 | 3 gang |
| GW 32 054 | 4 gang |
| GW 32 056 | 6 gang |
| GW 32 057 | 4+4 gang |

CLASSIC BURGUNDY



| | |
|-----------|----------|
| GW 32 041 | 1 gang |
| GW 32 042 | 2 gang |
| GW 32 043 | 3 gang |
| GW 32 044 | 4 gang |
| GW 32 046 | 6 gang |
| GW 32 047 | 4+4 gang |

ENGLISH WALNUT



| | |
|-----------|----------|
| GW 32 081 | 1 gang |
| GW 32 082 | 2 gang |
| GW 32 083 | 3 gang |
| GW 32 084 | 4 gang |
| GW 32 086 | 6 gang |
| GW 32 087 | 4+4 gang |

ANTIQUÉ GOLD



| | |
|-----------|----------|
| GW 32 061 | 1 gang |
| GW 32 062 | 2 gang |
| GW 32 063 | 3 gang |
| GW 32 064 | 4 gang |
| GW 32 066 | 6 gang |
| GW 32 067 | 4+4 gang |

SLATE



| | |
|-----------|------------|
| GW 32 001 | 1 gang |
| GW 32 002 | 2 gang |
| GW 32 003 | 3 gang |
| GW 32 004 | 4 gang |
| GW 32 006 | 6 gang |
| GW 32 007 | 4+4 gang |
| GW 32 008 | 6+6 gang |
| GW 32 009 | 6+6+6 gang |

PLAYBUS PLATES: MODULARITY FROM 1G TO 18G



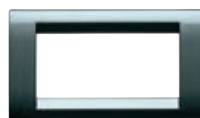
1 gang



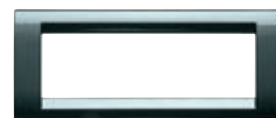
2 gang



3 gang



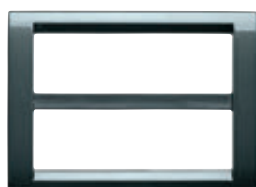
4 gang



6 gang



4+4 gang
































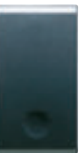
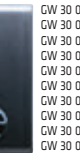
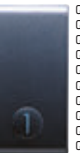















6+6 gang























6+6+6 gang

Design: architect Paolo Villa

COMMAND

| | | | | | | | | | | |
|---|---|---|---|--|---|--|---|---|---|---|
| One-way switches |  |  |  |  |  |  |  | | | |
| | GW 30 001 1M-1P-16 AX General | GW 30 002 1M-1P-16 AX Backlit | GW 30 003 1M-1P-16 AX Indicator | GW 30 004 1M-2P-16 AX General | GW 30 005 1M-2P-16 AX Backlit | GW 30 006 1M-2P-16 AX Indicator | GW 30 007 1M-2P-10 AX With key | | | |
| Two-way switches |  |  |  |  | Intermediate switch |  | Three-way switch |  | | |
| | GW 30 011 1M-1P-16 AX General | GW 30 012 1M-1P-16 AX Backlit | GW 30 013 1M-1P-16 AX Indicator | GW 30 014 1M-1P-10 AX With key | | GW 30 015 1M-1P-16 AX General | | GW 30 016 1M-1P-10 AX Positions 1-0-2 | | |
| Push-buttons |  |  |  |  |  |  |  |  |  | |
| | GW 30 021 1M-1P-NO-16 A General | GW 30 022 1M-1P-NO-16 A Backlit | GW 30 023 1M-1P-NO-16 A Indicator | GW 30 024 1M-1P-NO-16 A Key | GW 30 025 1M-1P-NO-16 A Bell | GW 30 026 1M-1P-NO-16 A Light | GW 30 027 1M-1P-NO-16 A Stair light | GW 30 030 1M-2P-NO-16 A General | GW 30 031 1M-2P-NO-16 A With pull-cord | |
| |  |  |  |  |  |  |  |  |  | |
| | GW 30 028 1M-1P-NO-16 A Red diffuser | GW 30 029 1M-1P-NO-16 A Green diffuser | GW 30 033 1M-1P-NO-16 A Double | GW 30 032 1M-2P-NO-10 A With key | GW 30 034 1M-1P-NO+NO-10 A With interlock | GW 30 035 1M-1P-NC-16 A General | GW 30 036 1M-1P-NO+NC-10 A Start | GW 30 037 1M-1P-NC+NO-10 A Stop | GW 30 038 2M-1P-NO-10 A With illuminated name plate | |
| Interchangeable button keys 25x45 mm |  |  |  |  GW 30 046 - Table lamp GW 30 047 - Dimmer GW 30 048 - Television GW 30 049 - Fan GW 30 050 - Music GW 30 051 - Computer GW 30 052 - Telephone GW 30 053 - Door/gate opening GW 30 054 - Door/gate closing GW 30 055 - Danger | | |  |  | Miniature lamp | |
| | GW 30 041 1 slot | GW 30 042 With label | Technical services | Numerical services | | | Hotel services | Nurse | | |
| Interchangeable button keys 25x22,5 mm |  |  |  |  |  |  |  | Cartridge lamp | | |
| | GW 30 071 General | GW 30 072 With label | Technical services | Numerical services | Diffuser | GW 30 073 - Red GW 30 074 - Green GW 30 075 - Amber GW 30 076 - Transparent GW 30 077 - Light blue | | | | |
| Infrared |  |  |  |  | Relé |  | Blanking modules and cable output | |  |  |
| | GW 30 101 Portable remote control 6-channels | GW 30 102 2-channels receiver 230 V ac-50/60 Hz | GW 30 103 1-channel receiver 230 V ac-50/60 Hz | GW 30 121 Movement sensor 230V ac-50/60 Hz | | GW 30 111 Latching 1P GW 30 112 Latching 2P GW 30 116 Monostable 1P | | | GW 30 901* - 1M GW 30 902* - 2M GW 30 903* - 3M | GW 30 905 1M |

POWER AND DATA

| | | | | | | | | | | |
|-------------------|---|---|---|---|--|---|-------------------|--|--|--|
| Italian |  GW 30 201 2P+E-10 A-250 V ac |  GW 30 203 2P+E-16 A-250 V ac Dual amperage |  GW 30 321 2P+E-16 A-250 V ac Dual amperage |  GW 30 331 2P+E-16 A-250 V ac Dual amperage |  GW 30 336 2P+E-16 A-250 V ac Dual amperage |  GW 30 323 2x2P+E-16 A-250 V ac Dual amperage | Israeli |  GW 30 237 2P+E-16 A-250 V ac | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| Italian/German |  GW 30 210 2P+E-16 A-250 V ac |  GW 30 212 2P+E-16 A-250 V ac Dual amperage |  GW 30 214 2P+E-16 A-250 V ac Dual amperage |  GW 30 332 2P+E-16 A-250 V ac Dual amperage |  GW 30 337 2P+E-16 A-250 V ac Dual amperage | | | Swiss |  GW 30 234 2P+E-10 A-250 V ac | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| German |  GW 30 211 2P+E-16 A-250 V ac |  GW 30 322 2P+T-16 A-250 V ac |  GW 30 333 2P+E-16 A-250 V ac |  GW 30 338 2P+E-16 A-250 V ac | | | French |  GW 30 215 2P-16 A-250 V ac |  GW 30 216 2P+E-16 A-250 V ac | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| British |  GW 30 219 2P+E-13 A-250 V ac |  GW 30 220 2P+E-16 A-250 V ac | | | | | Australian | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Euro-American/USA |  GW 30 227 2P+E-10/15 A-250/125 V ac |  GW 30 232 2P+E-15 A-125 V ac | | | | | Special sockets |  GW 30 291 2P-6 A-24 V SELV |  GW 30 293 2P-6 A-24 V SELV polarised |  GW 30 292 DIN 41524 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| TV-SAT |  F female GW 30 311 - 0 dB GW 30 316 - 5 dB GW 30 312 - 10 dB GW 30 313 - 14 dB |  IEC male GW 30 301 - 0 dB GW 30 306 - 5 dB GW 30 302 - 10 dB GW 30 303 - 14 dB |  GW 20 277 Terminal resistance 75 ohm | | | | Telephone sockets |  GW 30 261 RJ11 |  GW 30 262 RJ11 double | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Data sockets |  RJ45 - UTP |  RJ45 - FTP |  GW 30 686 Cat. 6 GW 30 266 Cat. 5e |  Adapters |  GW 30 286 SYSTIMAX Commscope GW 30 287 AMP/Keystone Jack |  GW 30 272 BNC 50 ohm | | | | |

POWER, COMFORT AND CLIMATE MANAGEMENT


Dimmer



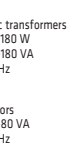
GW 30 402
Resistive 230 V ac 100-500 W
Resistive 110 V ac 50-250 W



GW 30 403 ▲
Resistive 230 V ac 100-900 W
Resistive 110 V ac 100-500 W
Inductive 230 V ac 40-300 VA
Inductive 110 V ac 20-150 VA



GW 30 404
Resistive 230V ac 40-300W
Resistive 110V ac 20-150W
Inductive 230V ac 40-300VA
Inductive 110V ac 20-150VA
With two-way switch




GW 30 407
For electronic transformers
Resistive 25-180 W
Inductive 25-180 VA
230 V ac-50 Hz



GW 30 409
For air agitators
Inductive 55-80 VA
230 V ac-50 Hz



GW 30 401
Resistive 60-500 W
Inductive 60-500 VA
230 V ac-50/60 Hz



GW 30 406
For electronic transformers
Resistive 25-300 W
Inductive 25-300 VA
230 V ac-50 Hz


Climate control



GW 30 702
Thermostat
230 V ac-50/60 Hz



GW 30 703
Probe to measure temperature



GW 30 706
Timed thermostat
230 V ac-50/60 Hz

Hotel components



GW 30 430
Universal badge switch
1P-NO-10 A



GW 30 711
Shaver socket-outlet
230 V ac-50/60 Hz



GW 30 726
Halogen lamp for reading
230 V ac-50/60 Hz

▲ =Items designed solely to export to a limited number of countries outside the European Union or proposed as candidate and to the European Free Trade Association. Contact Gewiss customer service to check if the product meets the regulations of the country concerned before importing it.

PROTECTION, SAFETY AND SIGNALLING

Automatic circuit breakers



Miniature circuit breakers
3 kA
Curve C

GW 30 371 - 6 A
GW 30 372 - 10 A
GW 30 373 - 16 A
1P

GW 30 374 - 6 A
GW 30 375 - 10 A
GW 30 376 - 16 A
1P+N

GW 30 395 - 10 A
GW 30 396 - 16 A
1P+N colour red



Miniature circuit breakers
3 kA
Curve C

GW 30 377 - 6 A
GW 30 378 - 10 A
GW 30 379 - 16 A
1P+N-10 mA

GW 30 388 - 6 A
GW 30 389 - 10 A
GW 30 390 - 16 A
1P+N-30 mA

Protection devices



GW 30 360
Fuse-holder
In MAX-16 A

GAS Detectors



GW 30 519
Methane GAS
12 V ac/dc



GW 30 520
LPG
12 V ac/dc

Accessories



GW 10 720
Power supply
100/240 V ac-50/60
Hz-12 V dc



GW 30 522
GAS solenoid valve
3/4"-230 V ac-12 VA

Water detector



GW 30 515
230 V ac-50/60 Hz



GW 30 516
Sensor

Ringers and buzzers



GW 30 633 - 12 V ac
GW 30 634 - 230 V ac
Ringers



GW 30 635 - 12 V ac
GW 30 636 - 230 V ac
Buzzers

Anti black-out lamp



GW 30 501
230 V ac-50/60 Hz
Removable

Indicator lamps



GW 30 611
Red



GW 30 612
Green



GW 30 613
Amber



GW 30 614
Transparent



GW 30 615
Light blue



GW 30 616
Double red/green

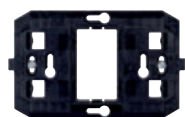
Stair riser lamps



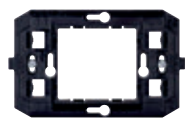
GW 30 601 - Opal
GW 30 603 - Green
GW 30 604 - Amber
GW 30 605 - Light blue

SUPPORTS

Supports for square and rectangular boxes



GW 32 401 With screws - 1 gang



GW 32 402 With screws - 2 gangs

Supports for rectangular boxes



GW 32 403
With screws - 3 gangs



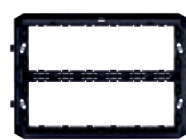
GW 32 404 With screws - 4 gangs



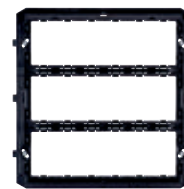
GW 32 406 With screws - 6 gangs



GW 32 407 With screws - 4+4 gangs



GW 32 408 With screws - 6+6 gangs



GW 32 409 With screws - 6+6+6 gangs

Playbus

Flush-mounting wiring devices

A range of modular devices for domestic and similar uses; can be composed on frames for rectangular flush-mounting boxes of up to 18 modules, or on square versions. The domestic range is distinguished by its black satin devices and plates in 10 colours and two different forms, modern or classic, with glossy or matte finishes. The range includes commands, socket-outlets, protection, indicators, connectors and devices for the control, safety and comfort of your home.



Technical characteristics [page 436](#)

PLAYBUS YOUNG PLATES

TECHNOPOLYMER, PASTEL COLOUR, SATIN FINISH



GW 32 243

PLAYBUS YOUNG - CLOUD WHITE

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 32 241 | 1 gang | GW32401, GW32403 | 96 |
| GW 32 242 | 2 gang | GW32402 | 12 |
| GW 32 243 | 3 gang | GW32403 | 96 |
| GW 32 244 | 4 gang | GW32404 | 12 |
| GW 32 246 | 6 gang | GW32406 | 8 |



GW 32 303

PLAYBUS YOUNG - TONER BLACK

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 32 301 | 1 gang | GW32401, GW32403 | 96 |
| GW 32 302 | 2 gang | GW32402 | 12 |
| GW 32 303 | 3 gang | GW32403 | 96 |
| GW 32 304 | 4 gang | GW32404 | 12 |
| GW 32 306 | 6 gang | GW32406 | 8 |



GW 32 373

PLAYBUS YOUNG - CLASSIC BURGUNDY

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 32 371 | 1 gang | GW32401, GW32403 | 24 |
| GW 32 372 | 2 gang | GW32402 | 12 |
| GW 32 373 | 3 gang | GW32403 | 24 |
| GW 32 374 | 4 gang | GW32404 | 12 |
| GW 32 376 | 6 gang | GW32406 | 8 |



GW 32 393

PLAYBUS YOUNG - SKY BLUE

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 32 391 | 1 gang | GW32401, GW32403 | 24 |
| GW 32 392 | 2 gang | GW32402 | 12 |
| GW 32 393 | 3 gang | GW32403 | 24 |
| GW 32 394 | 4 gang | GW32404 | 12 |
| GW 32 396 | 6 gang | GW32406 | 8 |



GW 32 323

PLAYBUS YOUNG - CORN YELLOW

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 32 321 | 1 gang | GW32401, GW32403 | 24 |
| GW 32 322 | 2 gang | GW32402 | 12 |
| GW 32 323 | 3 gang | GW32403 | 24 |
| GW 32 324 | 4 gang | GW32404 | 12 |
| GW 32 326 | 6 gang | GW32406 | 8 |

PAINTED TECHNOPOLYMER, SATIN FINISH


GW 32 703

PLAYBUS YOUNG - TITANIUM

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 32 701 | 1 gang | GW32401, GW32403 | 12 |
| GW 32 702 | 2 gang | GW32402 | 12 |
| GW 32 703 | 3 gang | GW32403 | 12 |
| GW 32 704 | 4 gang | GW32404 | 12 |
| GW 32 706 | 6 gang | GW32406 | 8 |



GW 32 713

PLAYBUS YOUNG - SLATE

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 32 711 | 1 gang | GW32401, GW32403 | 12 |
| GW 32 712 | 2 gang | GW32402 | 12 |
| GW 32 713 | 3 gang | GW32403 | 12 |
| GW 32 714 | 4 gang | GW32404 | 12 |
| GW 32 716 | 6 gang | GW32406 | 8 |

TECHNOPOLYMER, CLASSIC COLOUR



GW 32 773

PLAYBUS YOUNG - ENGLISH WALNUT

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 32 771 | 1 gang | GW32401, GW32403 | 12 |
| GW 32 772 | 2 gang | GW32402 | 12 |
| GW 32 773 | 3 gang | GW32403 | 12 |
| GW 32 774 | 4 gang | GW32404 | 12 |
| GW 32 776 | 6 gang | GW32406 | 8 |

METALLISED TECHNOPOLYMER



GW 32 753

PLAYBUS YOUNG - SOFT CHROME, SATIN FINISH

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 32 751 | 1 gang | GW32401, GW32403 | 12 |
| GW 32 752 | 2 gang | GW32402 | 12 |
| GW 32 753 | 3 gang | GW32403 | 12 |
| GW 32 754 | 4 gang | GW32404 | 12 |
| GW 32 756 | 6 gang | GW32406 | 8 |



GW 32 763

PLAYBUS YOUNG - ANTIQUE GOLD, SATIN FINISH

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 32 761 | 1 gang | GW32401, GW32403 | 12 |
| GW 32 762 | 2 gang | GW32402 | 12 |
| GW 32 763 | 3 gang | GW32403 | 12 |
| GW 32 764 | 4 gang | GW32404 | 12 |
| GW 32 766 | 6 gang | GW32406 | 8 |

PLAYBUS PLATES

TECHNOPOLYMER, PASTEL COLOUR, GLOSSY FINISH



GW 32 023

PLAYBUS - CLOUD WHITE

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 32 021 | 1 gang | | GW32401, GW32403 | 48 |
| GW 32 022 | 2 gang | | GW32402 | 48 |
| GW 32 023 | 3 gang | | GW32403 | 48 |
| GW 32 024 | 4 gang | | GW32404 | 24 |
| GW 32 026 | 6 gang | | GW32406 | 24 |
| GW 32 027 | 4+4 gang | Overlapping | GW32407 | 12 |
| GW 32 028 | 6+6 gang | Overlapping | GW32408 | 12 |
| GW 32 029 | 6+6+6 gang | Overlapping | GW32409 | 6 |



GW 32 053

PLAYBUS - TONER BLACK

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 32 051 | 1 gang | | GW32401, GW32403 | 48 |
| GW 32 052 | 2 gang | | GW32402 | 48 |
| GW 32 053 | 3 gang | | GW32403 | 48 |
| GW 32 054 | 4 gang | | GW32404 | 24 |
| GW 32 056 | 6 gang | | GW32406 | 24 |
| GW 32 057 | 4+4 gang | Overlapping | GW32407 | 12 |



GW 32 043

PLAYBUS - CLASSIC BURGUNDY

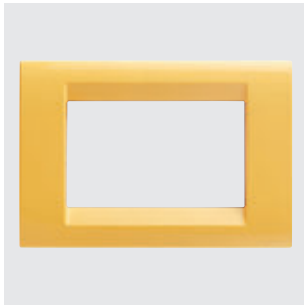
| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 32 041 | 1 gang | | GW32401, GW32403 | 48 |
| GW 32 042 | 2 gang | | GW32402 | 48 |
| GW 32 043 | 3 gang | | GW32403 | 48 |
| GW 32 044 | 4 gang | | GW32404 | 24 |
| GW 32 046 | 6 gang | | GW32406 | 24 |
| GW 32 047 | 4+4 gang | Overlapping | GW32407 | 12 |



GW 32 563

PLAYBUS - SKY BLUE

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 32 561 | 1 gang | | GW32401, GW32403 | 48 |
| GW 32 562 | 2 gang | | GW32402 | 48 |
| GW 32 563 | 3 gang | | GW32403 | 48 |
| GW 32 564 | 4 gang | | GW32404 | 24 |
| GW 32 566 | 6 gang | | GW32406 | 24 |
| GW 32 567 | 4+4 gang | Overlapping | GW32407 | 12 |



GW 32 583

PLAYBUS - CORN YELLOW

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 32 581 | 1 gang | | GW32401, GW32403 | 48 |
| GW 32 582 | 2 gang | | GW32402 | 48 |
| GW 32 583 | 3 gang | | GW32403 | 48 |
| GW 32 584 | 4 gang | | GW32404 | 24 |
| GW 32 586 | 6 gang | | GW32406 | 24 |
| GW 32 587 | 4+4 gang | Overlapping | GW32407 | 12 |

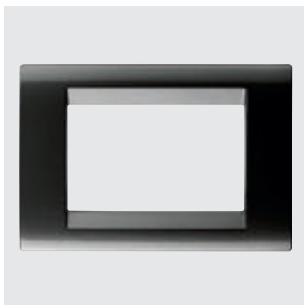
PAINTED TECHNOPOLYMER WITH SCRATCHPROOF VITRIFIED ENAMELLING



GW 32 013

PLAYBUS - TITANIUM

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 32 011 | 1 gang | | GW32401, GW32403 | 48 |
| GW 32 012 | 2 gang | | GW32402 | 48 |
| GW 32 013 | 3 gang | | GW32403 | 48 |
| GW 32 014 | 4 gang | | GW32404 | 24 |
| GW 32 016 | 6 gang | | GW32406 | 24 |
| GW 32 017 | 4+4 gang | Overlapping | GW32407 | 12 |
| GW 32 018 | 6+6 gang | Overlapping | GW32408 | 12 |
| GW 32 019 | 6+6+6 gang | Overlapping | GW32409 | 6 |



GW 32 003

PLAYBUS - SLATE

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 32 001 | 1 gang | | GW32401, GW32403 | 48 |
| GW 32 002 | 2 gang | | GW32402 | 48 |
| GW 32 003 | 3 gang | | GW32403 | 48 |
| GW 32 004 | 4 gang | | GW32404 | 24 |
| GW 32 006 | 6 gang | | GW32406 | 24 |
| GW 32 007 | 4+4 gang | Overlapping | GW32407 | 12 |
| GW 32 008 | 6+6 gang | Overlapping | GW32408 | 12 |
| GW 32 009 | 6+6+6 gang | Overlapping | GW32409 | 6 |

TECHNOPOLYMER, CLASSIC COLOUR



GW 32 083

PLAYBUS - ENGLISH WALNUT

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 32 081 | 1 gang | | GW32401, GW32403 | 48 |
| GW 32 082 | 2 gang | | GW32402 | 48 |
| GW 32 083 | 3 gang | | GW32403 | 48 |
| GW 32 084 | 4 gang | | GW32404 | 24 |
| GW 32 086 | 6 gang | | GW32406 | 24 |
| GW 32 087 | 4+4 gang | Overlapping | GW32407 | 12 |

METALLISED TECHNOLOGY



GW 32 073

PLAYBUS - SOFT CHROME, GLOSSY FINISH

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 32 071 | 1 gang | | GW32401, GW32403 | 48 |
| GW 32 072 | 2 gang | | GW32402 | 48 |
| GW 32 073 | 3 gang | | GW32403 | 48 |
| GW 32 074 | 4 gang | | GW32404 | 24 |
| GW 32 076 | 6 gang | | GW32406 | 24 |
| GW 32 077 | 4+4 gang | Overlapping | GW32407 | 12 |



GW 32 063

PLAYBUS - ANTIQUE GOLD, GLOSSY FINISH

| Code | Description | Configuration | For support codes | Pack Carton |
|-----------|-------------|---------------|-------------------|-------------|
| GW 32 061 | 1 gang | | GW32401, GW32403 | 48 |
| GW 32 062 | 2 gang | | GW32402 | 48 |
| GW 32 063 | 3 gang | | GW32403 | 48 |
| GW 32 064 | 4 gang | | GW32404 | 24 |
| GW 32 066 | 6 gang | | GW32406 | 24 |
| GW 32 067 | 4+4 gang | Overlapping | GW32407 | 12 |

SPECIAL PLATES, ENCLOSURES AND SUPPORTS

WATERTIGHT PLATES



GW 32 461

SELF-SUPPORTING WATERTIGHT PLATES FOR INSTALLATION ON FLUSH-MOUNTING RECTANGULAR BOXES - IP55

| Code | Description | Colour Plate | For flush mounting box | Pack Carton |
|-----------|-------------|--------------|------------------------|-------------|
| GW 32 461 | 3 gang | Cloud white | GW24403, GW24403PM | 1/60 |
| GW 32 462 | 3 gang | Toner black | GW24403, GW24403PM | 1/60 |
| GW 32 466 | 4 gang | Cloud white | GW24404, GW24404PM | 1/30 |
| GW 32 467 | 4 gang | Toner black | GW24404, GW24404PM | 1/30 |

PLATES FOR PROFILES



GW 32 121

PLATES FOR PROFILES AND PANELS COMPLETE WITH INSULATING BOX AND SUPPORTS

| Code | Description | Colour Plate | Pack Carton |
|-----------|-------------------|--------------|-------------|
| GW 32 123 | 1 gang | Cloud white | 1/30 |
| GW 32 122 | 1 gang | Titanium | 1/30 |
| GW 32 121 | 1 gang | Slate | 1/30 |
| GW 32 133 | 2 gang horizontal | Cloud white | 1/30 |
| GW 32 132 | 2 gang horizontal | Titanium | 1/30 |
| GW 32 131 | 2 gang horizontal | Slate | 1/30 |

ACCESSORIES SUPPLIED: the insulating box is equipped with a tug-proof cable fastener device and a corrugated conduit fastener device.

TABLETOP AND WALL-MOUNTING CONSOLES



GW 32 411

SELF-SUPPORTING TABLETOP AND WALL-MOUNTING CONSOLES

| Code | Description | Colour | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------|--------|-----------------------|-------------|
| GW 32 411 | 4 gang | Black | 140x110x80 | 2/24 |
| GW 32 412 | 8 gang | Black | 240x110x80 | 2/12 |

CHARACTERISTICS: the feet are made of soft, slip-proof rubber.

ACCESSORIES SUPPLIED: cable gland, safety cable clamp and housing for command identification labels.

WALL-MOUNTING BOXES



GW 32 431

WALL-MOUNTING BOXES



| Code | Suitable for | Colour | Characteristics | Pack Carton |
|-----------|--------------------|-------------|-----------------|-------------|
| GW 32 431 | 1/2/3 gang PLAYBUS | Cloud white | Halogen free | 3/60 |
| GW 32 432 | 1/2/3 gang PLAYBUS | Toner black | Halogen free | 3/60 |
| GW 32 436 | 4+4 gang PLAYBUS | Cloud white | Halogen free | 3/51 |
| GW 32 437 | 4+4 gang PLAYBUS | Toner black | Halogen free | 3/51 |

CHARACTERISTICS: fitted for fixing the earth terminal GW26407. Suitable for conduit Ø 16 - 20 mm.

PLATES FOR LIFT/EMERGENCY



GW 32 450

SELF-SUPPORTING WIRED PLATES FOR LIFT/EMERGENCY WITH ILLUMINABLE BUTTON SWITCH, TRIANGLE KEY AND BREAKABLE GLASS - IP40

| Code | Colour | Suitable for | For flush mounting box | Pack Carton |
|-----------|--------|--------------|------------------------|-------------|
| GW 32 450 | White | Lift | GW24403 | 1/10 |
| GW 32 451 | Red | Emergency | GW24403 | 1/10 |

The articles are supplied with an 11mm button key already assembled, without a lamp. They use miniature lamp units.

CHARACTERISTICS: contacts supplied 1 NO + 1 NC - 10A (AC1) / 6A (AC15) - 380V AC.

APPLICATIONS: the plates are suitable for the GW40422 security lock, available as an accessory.

ACCESSORIES SUPPLIED: accessory button key, 17mm high, to operate the contacts when glass is broken.



GW 32 453

SELF-SUPPORTING UNWIRED PLATES FOR EMERGENCY WITH TRIANGLE KEY AND BREAKABLE GLASS FITTED FOR MOUNTING MODULAR PLAYBUS DEVICES - IP40

| Code | Colour | No. Playbus modules | For flush mounting box | Pack Carton |
|-----------|--------|---------------------|------------------------|-------------|
| GW 32 452 | White | 2 | GW24403 | 1/10 |
| GW 32 453 | Red | 2 | GW24403 | 1/10 |

APPLICATIONS: the plates are suitable for the GW40422 security lock, available as an accessory.



GW 42 216

GLASS BREAKER WITH UNIVERSAL FIXING SUPPORT

| Code | Colour | Support dimension (mm) | Pack Carton |
|-----------|-------------|------------------------|-------------|
| GW 42 216 | Toner black | 70x60 | 1/10 |



GW 40 422

CYLINDRICAL SECURITY LOCK

| Code | Description | Pack Carton |
|-----------|---------------|-------------|
| GW 40 422 | Security lock | 1/10 |



GW 32 457

SPARE BREAKABLE GLASS FOR LIFT/EMERGENCY PLATES

| Code | Suitable for | Pack Carton |
|-----------|------------------------------------|-------------|
| GW 32 457 | GW32450, GW32451, GW32452, GW32453 | 1/10 |

SUPPORTS



GW 32 403

INSULATING SUPPORTS FOR INSTALLATION OF PLAYBUS / PLAYBUS YOUNG PLATES ON RECTANGULAR BOXES



| Code | Description | Configuration | Fixing | Characteristics | Pack Carton |
|-----------|-------------|---------------|---------------------|-----------------|-------------|
| GW 32 403 | 3 gang | | 2 screws (included) | Halogen free | 10/150 |
| GW 32 404 | 4 gang | | 2 screws (included) | Halogen free | 10/100 |
| GW 32 406 | 6 gang | | 4 screws (included) | Halogen free | 10/100 |
| GW 32 407 | 4+4 gang | Overlapping | 4 screws (included) | Halogen free | 5/50 |
| GW 32 408 | 6+6 gang | Overlapping | 4 screws (included) | Halogen free | 5/50 |
| GW 32 409 | 6+6+6 gang | Overlapping | 4 screws (included) | Halogen free | 5/25 |



GW 32 401

INSULATING SUPPORTS FOR INSTALLATION OF PLAYBUS / PLAYBUS YOUNG PLATES ON SQUARE/RECTANGULAR BOXES



| Code | Description | Fixing | Characteristics | Pack Carton |
|-----------|-------------|---------------------|-----------------|-------------|
| GW 32 401 | 1 gang | 2 screws (included) | Halogen free | 10/150 |
| GW 32 402 | 2 gang | 2 screws (included) | Halogen free | 10/150 |



GW 32 421

SUPPORTS FOR MOUNTING PLAYBUS DEVICES ON DIN RAIL

| Code | Description | No. DIN modules | Pack Carton |
|-----------|-------------|-----------------|-------------|
| GW 32 421 | 1 gang | 1.5 | 5/200 |
| GW 32 422 | 2 gang | 3 | 5/100 |
| GW 32 423 | 3 gang | 4.5 | 5/50 |

COMMAND

COMMAND DEVICES



GW 30 001

ONE-WAY SWITCHES - 250V AC

| Code | Description | Type | Symbol | No. Playbus modules | Pack Carton |
|-----------|-----------------------|----------------------|--------|---------------------|-------------|
| GW 30 001 | 1P - 16AX | General | | 1 | 24/96 |
| GW 30 002 | 1P - 16AX illuminable | Night-time backlit | | 1 | 24/48 |
| GW 30 003 | 1P - 16AX illuminable | Functional indicator | | 1 | 24/48 |
| GW 30 004 | 2P - 16 AX | General | 0/1 | 1 | 24/48 |
| GW 30 005 | 2P - 16AX illuminable | Night-time backlit | 0/1 | 1 | 24/48 |
| GW 30 006 | 2P - 16AX illuminable | Functional indicator | 0/1 | 1 | 24/48 |
| GW 30 007 | 2P - 10AX | With key | 0/1 | 1 | 1/12 |

ACCESSORIES SUPPLIED: GW30007: 2 keys. The key can be extracted in both positions. Spare keys: GW20901. Backlit items are supplied without lamp. They use miniature lamp units.



GW 30 011

TWO-WAY SWITCHES - 250V AC

| Code | Description | Type | No. Playbus modules | Pack Carton |
|-----------|-----------------------|----------------------|---------------------|-------------|
| GW 30 011 | 1P - 16AX | General | 1 | 24/96 |
| GW 30 012 | 1P - 16AX illuminable | Night-time backlit | 1 | 24/48 |
| GW 30 013 | 1P - 16AX illuminable | Functional indicator | 1 | 24/48 |
| GW 30 014 | 1P - 10AX | With key | 1 | 1/12 |

ACCESSORIES SUPPLIED: GW30014 supplied with 2 keys. The key can be extracted in both positions. Spare keys: GW20901. Backlit items are supplied without lamp. They use miniature lamp units.



GW 30 015

INTERMEDIATE SWITCH - 250V AC

| Code | Description | Type | No. Playbus modules | Pack Carton |
|-----------|-------------|---------|---------------------|-------------|
| GW 30 015 | 1P - 16AX | General | 1 | 24/48 |



GW 30 016

THREE-WAY SWITCH - 250V AC

| Code | Description | Symbol | No. Playbus modules | Pack Carton |
|-----------|-------------|-----------|---------------------|-------------|
| GW 30 016 | 1P - 10AX | UP - DOWN | 1 | 24/48 |

CHARACTERISTICS: three standing positions. Both contacts are open in the central position (OFF).

APPLICATIONS: command of circuits requiring an interlock (e.g. operating motorised devices with direction reversal). 2-user selective control.



GW 30 021

PUSH-BUTTONS - 250V AC

| Code | Description | Type | Symbol | No. Playbus modules | Pack Carton |
|-----------|---------------------------|----------------------------------|-----------|---------------------|-------------|
| GW 30 021 | 1P NO - 16A | General | | 1 | 24/96 |
| GW 30 022 | 1P NO - 16A illuminable | Night-time backlit | | 1 | 12/24 |
| GW 30 023 | 1P NO - 16A illuminable | Functional indicator | | 1 | 12/24 |
| GW 30 024 | 1P NO - 16A illuminable | With symbol | Key | 1 | 12/24 |
| GW 30 025 | 1P NO - 16A illuminable | With symbol | Bell | 1 | 12/24 |
| GW 30 026 | 1P NO - 16A illuminable | With symbol | Light | 1 | 12/24 |
| GW 30 027 | 1P NO - 16A illuminable | With symbol | Stairs | 1 | 12/24 |
| GW 30 028 | 1P NO - 16A | With red diffusor 25 x 22.5 mm | | 1 | 12/24 |
| GW 30 029 | 1P NO - 16A | With green diffusor 25 x 22.5 mm | | 1 | 12/24 |
| GW 30 030 | 2P NO - 16A | General | 0 | 1 | 24/48 |
| GW 30 031 | 2P NO - 16A | With pull-cord | | 1 | 4/32 |
| GW 30 032 | 2P NO - 10A | With key | 0/1 | 1 | 1/24 |
| GW 30 033 | 1P NO - 16A double button | Double button 25 x 22.5 mm | | 1 | 12/24 |
| GW 30 034 | 1P NO+NO - 10A | With interlock | UP - DOWN | 1 | 12/24 |
| GW 30 035 | 1P NC - 16A | General | 0 | 1 | 12/24 |
| GW 30 036 | 1P NO - 10A - Aux. NC | Start | Green | 1 | 12/24 |
| GW 30 037 | 1P NC - 10A - Aux. NO | Stop | Red | 1 | 12/24 |

CHARACTERISTICS: GW30033: independent push-buttons that can also be activated simultaneously. GW30034: three-way push-button with interlock.

Both contacts are open in the central position (OFF).

APPLICATIONS: GW30034: impulse activation of motorised devices with direction reversal (e.g. roller shutters, curtains, etc.).

ACCESSORIES SUPPLIED: GW30031 cord in insulating material, 150cm long, with knob. GW30032 supplied with 2 keys. Spare keys: GW30912.

Backlit items are supplied without lamp. They use miniature lamp units.



GW 30 038

PUSH-BUTTON WITH BACKLIT NAME-PLATE - 250V AC

| Code | Description | Lamp | Lamp voltage | Lamp power | No. Playbus modules | Pack Carton |
|-----------|-------------------------|-------------------------|--------------|------------|---------------------|-------------|
| GW 30 038 | 1P NO - 10A illuminable | Cartridge lamp S6x36 mm | 12-24 V | 2 W | 2 | 12/36 |

Supplied without lamp.

APPLICATIONS: in installations on 3 gang plates, the dimensions of the device (only 2 modules) allow another 1 module device to be inserted.

INTERCHANGEABLE PUSH-BUTTONS



GW 30 041

INTERCHANGEABLE PUSH-BUTTONS 25 X 45 MM

| Code | Description | Pack Carton |
|---|----------------------|-------------|
| Suitable for: General services | | |
| GW 30 041 | General (1 slot) | 4/48 |
| GW 30 056 | General (2 slots) | 4/48 |
| GW 30 042 | With label 13 x 19mm | 4/48 |
| Suitable for: Hotel services | | |
| GW 30 043 | Room service | 4/48 |
| GW 30 044 | Porter | 4/48 |
| GW 30 045 | Nurse | 4/48 |
| Suitable for: Technical services | | |
| GW 30 046 | Table lamp | 4/48 |
| GW 30 047 | Dimmer | 4/48 |
| GW 30 048 | Television | 4/48 |
| GW 30 049 | Fan | 4/48 |
| GW 30 050 | Music | 4/48 |
| GW 30 051 | Computer | 4/48 |
| GW 30 052 | Telephone | 4/48 |
| GW 30 053 | Door/gate opening | 4/48 |
| GW 30 054 | Door/gate closing | 4/48 |
| GW 30 055 | Danger | 4/48 |
| Suitable for: Numerical services | | |
| GW 30 061 | One | 4/48 |
| GW 30 062 | Two | 4/48 |
| GW 30 063 | Three | 4/48 |
| GW 30 064 | Four | 4/48 |
| GW 30 065 | Five | 4/48 |
| GW 30 066 | Six | 4/48 |
| GW 30 067 | Seven | 4/48 |
| GW 30 068 | Eight | 4/48 |
| GW 30 069 | Nine | 4/48 |
| GW 30 070 | Zero | 4/48 |

The PLAYBUS modular system allows the use of interchangeable buttons 25x45 mm to substitute the standard keys supplied on control devices.

CHARACTERISTICS: backlit buttons excluding items GW30041 - GW30056.



GW 30 071

INTERCHANGEABLE PUSH-BUTTONS 25 X 22.5 MM

| Code | Description | Pack Carton |
|---|----------------------|-------------|
| Suitable for: General services | | |
| GW 30 071 | General | 4/48 |
| GW 30 072 | With label 13 x 19mm | 4/48 |
| Suitable for: Light indicator | | |
| GW 30 073 | Red diffuser | 4/48 |
| GW 30 074 | Green diffuser | 4/48 |
| GW 30 075 | Amber diffuser | 4/48 |
| GW 30 076 | Transparent diffuser | 4/48 |
| GW 30 077 | Blue diffuser | 4/48 |
| Suitable for: Technical services | | |
| GW 30 078 | Up/down arrow | 4/48 |
| GW 30 079 | Left/right arrow | 4/48 |
| GW 30 080 | Door/gate opening | 4/48 |
| GW 30 081 | Door/gate closing | 4/48 |
| GW 30 082 | Danger | 4/48 |
| Suitable for: Numerical services | | |
| GW 30 091 | One | 4/48 |
| GW 30 092 | Two | 4/48 |
| GW 30 093 | Three | 4/48 |
| GW 30 094 | Four | 4/48 |
| GW 30 095 | Five | 4/48 |
| GW 30 096 | Six | 4/48 |
| GW 30 097 | Seven | 4/48 |
| GW 30 098 | Eight | 4/48 |
| GW 30 099 | Nine | 4/48 |
| GW 30 100 | Zero | 4/48 |

The PLAYBUS modular system allows the use of interchangeable buttons 25x22.5 mm to substitute the standard keys supplied on control devices GW30028 - GW30029 - GW30033. Items from GW30073 to GW30077 can be used as spares for double indicator lamp GW30616.

CHARACTERISTICS: backlit buttons excluding item GW30071.

BLANKING MODULES AND CABLE OUTLET



GW 30 901

BLANKING MODULES AND CABLE OUTLET

| Code | Description | No. Playbus modules | Pack Carton |
|-----------|--|---------------------|-------------|
| GW 30 901 | 1 gang | 1 | 5/200 |
| GW 30 902 | 2 gang | 2 | 12/48 |
| GW 30 903 | 3 gang | 3 | 8/32 |
| GW 30 905 | 1 gang with outlet for cable Ø 4 and Ø 8mm | 1 | 24/48 |

APPLICATIONS: in addition to their normal use, they permit installing signal socket-outlets, microswitches and LEDs after appropriate drilling/preparation.

In addition, it is possible to apply the temperature sensor GW30703 using the special double-sided adhesive.

ACCESSORIES SUPPLIED: GW30905, fastener cable fastener device.

INFRARED REMOTE CONTROL AND RECEIVERS



GW 30 101

PORTABLE REMOTE CONTROL

| Code | Description | Reach | Power supply batteries | Pack Carton |
|-----------|----------------------|-------|--------------------------|-------------|
| GW 30 101 | 6 channels / 3 bands | 15 m | 2 alkaline 1.5V AAA-type | 1/2 |

APPLICATIONS: the setting of the internal microswitch on 3 bands prevents interference with other remote controls.

NOTES: includes support for wall-mounting. Batteries not included.



GW 30 102

2 CHANNEL AND 2 BUTTONS RECEIVER - 230V - 50/60 HZ

| Code | Relay output | Channel selector | No. Playbus modules | Pack Carton |
|-----------|--------------------------------|------------------|---------------------|-------------|
| GW 30 102 | 2NO 5A (AC1)/2A (AC15) 250V ac | 18 positions | 1 | 1/6 |

APPLICATIONS: impulse activation of roller shutters, roller blinds and similar. (Direct use, or via momentary relay GW30116).

NOTES: the installation of more than one product side by side in a single container is not recommended.

To avoid overheating, insert a blanking module between two electronic devices.



GW 30 103

1 CHANNEL AND 1 BUTTON RECEIVER - 230V - 50/60 HZ

| Code | Relay output | Channel selector | No. Playbus modules | Pack Carton |
|-----------|-------------------------------|------------------|---------------------|-------------|
| GW 30 103 | 1NO 5A(AC1)/2A (AC15) 250V ac | 18 positions | 1 | 1/6 |

APPLICATIONS: jogging command of ringers, electro-locks etc. (direct use, or via monostable relay GW30116).

ON-OFF command of user devices (lamps, fans, etc.) by means of a latching relay GW30111 or GW30112.

Command and adjustment of flush-mounting boxes via dimmers GW30401 or GW30406 / GW30407.

Command of night-time reduction in heating / conditioning systems, via latching relay GW30111 and thermostat GW30702.

NOTES: the installation of more than one product side by side in a single container is not recommended.

To avoid overheating, insert a blanking module between two electronic devices.

INFRARED MOVEMENT SENSOR



GW 30 121

INFRARED MOVEMENT DETECTORS

| Code | Supply voltage | Output contacts | No. Playbus modules | Pack Carton |
|-----------|-------------------|---------------------|---------------------|-------------|
| GW 30 121 | 230V ac - 50/60Hz | 1NO 3A(AC1) 250V ac | 1 | 1/6 |

CHARACTERISTICS: adjustment of the intervention duration 15 sec - 10 min. Light sensitive threshold adjustment - min. 10 lux - max. inhibited. Sensor with fixed lens. Suitable for commanding halogen lamps/resistive loads: 700 W, incandescent lamps: 450 W, low voltage halogen lamps (12 V) controlled by toroidal or electronic transformers: 450 W, uncompensated fluorescent lamps: 2x58 W, motors and gear motors: 400 VA. Not suitable for compensated fluorescent lamps, for discharge lamps and for all loads not indicated that must be commanded using a support relay.

APPLICATIONS: Energy-saving: command of the lighting of rooms and areas only when people pass through.

Comfort and safety: automatic command of circuits without needing to activate one-way switches.

NOTES: do not install the product in watertight plates: the lid membrane does not allow the detector lens to work correctly.

RELAY



GW 30 112

LATCHING RELAY

| Code | No. of poles | Output contacts | No. Playbus modules | Pack Carton |
|-----------|--------------|-------------------------------|---------------------|-------------|
| GW 30 111 | 1 | 10A (AC1) / 7A (AC15) 250V ac | 1 | 1/12 |
| GW 30 112 | 2 | 10A (AC1) / 7A (AC15) 250V ac | 1 | 1/12 |

CHARACTERISTICS: coil 230V AC - 50 / 60 Hz.

APPLICATIONS: command of lighting devices from several points, via push-buttons. Start/stop control of motors (extractors, air agitators, etc.).



GW 30 116

MONOSTABLE RELAY

| Code | No. of poles | Output contacts | No. Playbus modules | Pack Carton |
|-----------|--------------|---|---------------------|-------------|
| GW 30 116 | 1 | 1 change-over contact NO/NC 10A (AC1) / 4A (AC15) | 1 | 1/12 |

CHARACTERISTICS: coil 230V AC - 50 / 60 Hz.

APPLICATIONS: as an auxiliary element for commanding special loads, for remote signalling, for electric separation of command circuits from utilisation circuits.

POWER

SOCKET-OUTLETS - ITALIAN STANDARD



GW 30 203

ITALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Type | For plug pins | No. Playbus modules | Pack Carton |
|-----------|---------------------------|--------|---------------|---------------------|-------------|
| GW 30 201 | 2P+E - 10A | P11 | Ø 4 mm | 1 | 24/96 |
| GW 30 203 | 2P+E - 16 A Dual amperage | P17-11 | Ø 4 / 5 mm | 1 | 24/96 |

CHARACTERISTICS: with safety shields.



GW 30 210

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | Earth pit | Type | For plug pins | No. Playbus modules | Pack Carton |
|-----------|---------------------------|------------------|------|------------------|---------------------|-------------|
| GW 30 210 | 2P+E - 16A | Side and central | P30 | Ø 4 / 4.8 mm | 2 | 12/48 |
| GW 30 212 | 2P+E - 16 A Dual amperage | Side and central | P40 | Ø 4 / 4.8 / 5 mm | 2 | 12/48 |

CHARACTERISTICS: with safety shields.



GW 30 323

ITALIAN STANDARD DUAL SOCKET-OUTLET - 250V AC

| Code | Description | Type | For plug pins | No. Playbus modules | Pack Carton |
|-----------|----------------------|--------|---------------|---------------------|-------------|
| GW 30 323 | 2x2P+E 16A Dual amp. | P17-11 | Ø 4 / 5 mm | 2 | 12/48 |

CHARACTERISTICS: with safety shields. The wiring is carried out via 3 terminals that power the socket-outlets, without using U-bolts.

SOCKET-OUTLETS FOR DEDICATED LINES



GW 30 321

ITALIAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | Type | For plug pins | No. Playbus modules | Pack Carton |
|-----------|---------------------------|--------|--------|---------------|---------------------|-------------|
| GW 30 321 | 2P+E - 16 A Dual amperage | Red | P17-11 | Ø 4 / 5 mm | 1 | 24/48 |
| GW 30 331 | 2P+E - 16 A Dual amperage | Green | P17-11 | Ø 4 / 5 mm | 1 | 24/48 |
| GW 30 336 | 2P+E - 16 A Dual amperage | Orange | P17-11 | Ø 4 / 5 mm | 1 | 24/48 |

CHARACTERISTICS: with safety shields.

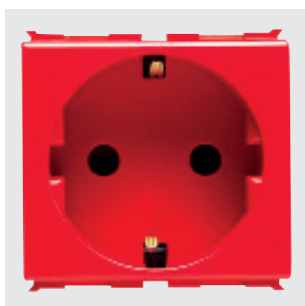


GW 30 214

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Earth pit | Colour | Type | For plug pins | No. Playbus modules | Pack Carton |
|-----------|---------------------------|------------------|--------|------|------------------|---------------------|-------------|
| GW 30 214 | 2P+E - 16 A Dual amperage | Side and central | Red | P40 | Ø 4 / 4.8 / 5 mm | 2 | 12/24 |
| GW 30 332 | 2P+E - 16 A Dual amperage | Side and central | Green | P40 | Ø 4 / 4.8 / 5 mm | 2 | 12/24 |
| GW 30 337 | 2P+E - 16 A Dual amperage | Side and central | Orange | P40 | Ø 4 / 4.8 / 5 mm | 2 | 12/24 |

CHARACTERISTICS: with safety shields.



GW 30 322

GERMAN STANDARD SOCKET-OUTLETS FOR DEDICATED LINES - 250V AC

| Code | Description | Colour | For plug pins | No. Playbus modules | Pack Carton |
|-----------|-------------|--------|---------------|---------------------|-------------|
| GW 30 322 | 2P+E - 16A | Red | Ø 4.8 mm | 2 | 12/24 |
| GW 30 333 | 2P+E - 16A | Green | Ø 4.8 mm | 2 | 12/24 |
| GW 30 338 | 2P+E - 16A | Orange | Ø 4.8 mm | 2 | 12/24 |

CHARACTERISTICS: with safety shields.

SOCKET-OUTLETS - INTERNATIONAL STANDARD



GW 30 211

GERMAN STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Playbus modules | Pack Carton |
|-----------|-------------|---------------|---------------------|-------------|
| GW 30 211 | 2P+E - 16A | Ø 4.8 mm | 2 | 12/48 |

CHARACTERISTICS: with safety shields.



GW 30 215

FRENCH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Playbus modules | Pack Carton |
|-----------|-------------|---------------|---------------------|-------------|
| GW 30 215 | 2P - 16A | Ø 4 / 4.8 mm | 2 | 12/48 |
| GW 30 216 | 2P+E - 16A | Ø 4 / 4.8 mm | 2 | 12/48 |

CHARACTERISTICS: with safety shields.



GW 30 219

BRITISH STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Playbus modules | Pack Carton |
|-----------|-------------|---------------|---------------------|-------------|
| GW 30 219 | 2P+E - 13 A | Flat | 2 | 12/48 |
| GW 30 220 | 2P+E - 16A | Ø 7 mm | 2 | 12/48 |

CHARACTERISTICS: with safety shields.

NOTES: given the size of the plugs, it is not possible to install two or more socket-outlets side-by-side.



GW 30 234

SWISS STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Playbus modules | Pack Carton |
|-----------|----------------------|---------------|---------------------|-------------|
| GW 30 234 | 2P+E - 10A - type 13 | Ø 4 mm | 1 | 24/48 |



GW 30 227

EURO AMERICAN STANDARD SOCKET-OUTLETS - 250/125V AC

| Code | Description | For plug pins | No. Playbus modules | Pack Carton |
|-----------|---------------|----------------|---------------------|-------------|
| GW 30 227 | 2P+E - 10/15A | Ø 4.8 mm/ flat | 1 | 24/48 |



GW 30 232

USA STANDARD SOCKET-OUTLETS - 125V AC

| Code | Description | For plug pins | No. Playbus modules | Pack Carton |
|-----------|-------------|--------------------------|---------------------|-------------|
| GW 30 232 | 2P+E - 15A | Flat parallel horizontal | 1 | 24/48 |



GW 30 235

ARGENTINIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Playbus modules | Pack Carton |
|-----------|-------------|---------------|---------------------|-------------|
| GW 30 235 | 2P+E - 10A | Flat | 2 | 12/48 |



GW 30 343

AUSTRALIAN STANDARD SOCKET-OUTLETS - 250V AC

| Code | Description | For plug pins | No. Playbus modules | Pack Carton |
|-----------|-------------|---------------|---------------------|-------------|
| GW 30 342 | 2P+E - 10A | Flat | 2 | 12/48 |
| GW 30 343 | 2P+E - 15A | Flat | 2 | 12/48 |



GW 30 237

ISRAELI STANDARD SOCKET-OUTLET - 250V AC

| Code | Description | For plug pins | No. Playbus modules | Pack Carton |
|-----------|-------------|--------------------|---------------------|-------------|
| GW 30 237 | 2P+E - 16A | Round Ø 4 / 4.4 mm | 2 | 12/48 |

CHARACTERISTICS: with safety shields.

DATA

TV-SAT SOCKETS



GW 30 316

COAXIAL TV-SAT SOCKETS (5-2400 MHZ) CLASS A SHIELDING F FEMALE CONNECTOR

| Code | Description | Type | Attenuation | No. Playbus modules | Pack Carton |
|-----------|----------------------------|-------------------------|-------------|---------------------|-------------|
| GW 30 311 | Direct | With passage of current | 0 dB | 1 | 24/48 |
| GW 30 316 | Feedthrough | | 5 dB | 1 | 1/24 |
| GW 30 312 | Feedthrough | | 10 dB | 1 | 1/24 |
| GW 30 313 | Feedthrough | | 14 dB | 1 | 1/24 |
| GW 20 277 | Terminal resistance 75 ohm | | | | 50/200 |

CHARACTERISTICS: GW30311 permits carrying a remote power supply voltage/current and/or control signals towards the user port (max 24 V - 500 mA). GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets.

APPLICATIONS: Socket-outlets suitable for return channel.

NOTES: the TV-SAT 5 dB GW30316 coaxial socket-outlet is defined with conditioned use, it is a special through socket-outlet and as such must be used, with the only difference that the user door (socket-outlet towards the user device) must always be closed with a load of 75 Ohm (TV, VCR, SAT receiver or 75-Ohm termination).



GW 30 306

COAXIAL TV SOCKETS (5-2400 MHZ) CLASS A SHIELDING IEC MALE CONNECTOR Ø 9.5 MM

| Code | Description | Type | Attenuation | No. Playbus modules | Pack Carton |
|-----------|----------------------------|-------------------------|-------------|---------------------|-------------|
| GW 30 301 | Direct | With passage of current | 0 dB | 1 | 24/48 |
| GW 30 306 | Feedthrough | | 5 dB | 1 | 1/24 |
| GW 30 302 | Feedthrough | | 10 dB | 1 | 1/24 |
| GW 30 303 | Feedthrough | | 14 dB | 1 | 1/24 |
| GW 20 277 | Terminal resistance 75 ohm | | | | 50/200 |

CHARACTERISTICS: GW30301 permits carrying a remote power supply voltage/current and/or control signals towards the user port (max 24 V - 500 mA). GW20277 in combination with feedthrough socket-outlets allows you to make terminal socket-outlets.

APPLICATIONS: Socket-outlets suitable for return channel.

NOTES: the TV 5 dB GW30306 coaxial socket-outlet is defined with conditioned use, it is a special through socket-outlet and as such must be used, with the only difference that the user door (socket-outlet towards the user device) must always be closed with a load of 75 Ohm (TV, VCR, SAT receiver or 75-Ohm termination).

TELEPHONE SOCKETS



GW 30 261

RJ11 TELEPHONE SOCKETS

| Code | Description | No. pairs | Cables type | Connection | No. Playbus modules | Pack Carton |
|-----------|-------------|-----------|--------------|--------------------|---------------------|-------------|
| GW 30 261 | RJ11 | 2 | Twisted pair | Screw-on terminals | 1 | 1/24 |
| GW 30 262 | RJ11 Double | 2 | Twisted pair | Impact tool | 1 | 1/12 |

CHARACTERISTICS: GW30262 insulator punching impact tool connection.

APPLICATIONS: telephone, telefax, modem.

DATA SOCKETS



GW 30 685

RJ45 SOCKETS

| Code | Description | No. pairs | Use category | Cables type | Connection | No. Playbus modules | Pack Carton |
|-----------|-------------|-----------|--------------|-------------|------------|---------------------|-------------|
| GW 30 686 | RJ45 | 4 | 6 | FTP | Toolless | 1 | 1/12 |
| GW 30 685 | RJ45 | 4 | 6 | UTP | Toolless | 1 | 1/12 |
| GW 30 266 | RJ45 | 4 | 5e | FTP | Toolless | 1 | 1/24 |
| GW 30 267 | RJ45 | 4 | 5e | UTP | Toolless | 1 | 1/24 |

APPLICATIONS: LANs up to 100MHz (e.g. Ethernet, Token Ring networks) for cat. 5e.

LANs up to 250MHz (e.g. Videoconference systems, CCTV) for cat. 6.

ACCESSORIES SUPPLIED: circuit identification label.



GW 30 287

ADAPTERS FOR HOUSING DATA SOCKETSS

| Code | Compatibility | No. Playbus modules | Pack Carton |
|-----------|---------------------|---------------------|-------------|
| GW 30 286 | SYSTIMAX COMMScope | 1 | 1/96 |
| GW 30 287 | AMP / Keystone Jack | 1 | 1/96 |

ACCESSORIES SUPPLIED: circuit identification labels.

NOTES: with regard to the technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the connector and the empty Gewiss container.



GW 30 272

CONNECTORS FOR CONVENTIONAL NETWORKS

| Code | Description | Cables type | Connection type | No. Playbus modules | Pack Carton |
|-----------|-------------|-------------|-----------------|---------------------|-------------|
| GW 30 272 | BNC 50 Ohm | RG 58 | To be crimped | 1 | 1/12 |

CHARACTERISTICS: BNC 50 Ohm (Ethernet networks);

ACCESSORIES SUPPLIED: circuit identification labels.

SOCKET-OUTLETS FOR AUXILIARY AND SIGNAL CIRCUITS



GW 30 291

SOCKET-OUTLET FOR SELV AUXILIARY CIRCUITS

| Code | Description | For plug pins | Centre distance | No. Playbus modules | Pack Carton |
|-----------|-------------------------|---------------|-----------------|---------------------|-------------|
| GW 30 291 | 2P - 6A - 24V | Ø 3 mm | 12.4 mm | 1 | 12/24 |
| GW 30 293 | 2P - 6A - 24V polarized | Flat | 12.4 mm | 1 | 12/24 |



GW 30 292

SIGNAL SOCKET-OUTLET FOR SOUND CIRCUITS

| Code | Description | No. Playbus modules | Pack Carton |
|-----------|----------------------|---------------------|-------------|
| GW 30 292 | Five-pole EN 60130-9 | 1 | 12/24 |

PROTECTION

MINIATURE CIRCUIT BREAKERS



GW 30 371

MINIATURE CIRCUIT BREAKERS - C CHARACTERISTIC - 230V AC

| Code | Description | Rated current (A) | Breaking capacity | No. Playbus modules | Pack Carton |
|-----------|------------------|-------------------|-------------------|---------------------|-------------|
| GW 30 371 | Single pole (1P) | 6 | 3 kA | 1 | 1/12 |
| GW 30 372 | Single pole (1P) | 10 | 3 kA | 1 | 1/12 |
| GW 30 373 | Single pole (1P) | 16 | 3 kA | 1 | 1/12 |
| GW 30 374 | Two-pole (1P+N) | 6 | 3 kA | 1 | 1/12 |
| GW 30 375 | Two-pole (1P+N) | 10 | 3 kA | 1 | 1/12 |
| GW 30 376 | Two-pole (1P+N) | 16 | 3 kA | 1 | 1/12 |



GW 30 388

RESIDUAL CURRENT MINIATURE CIRCUIT BREAKERS - CHARACTERISTIC C - CLASS A - 230V AC - 50/60 HZ

| Code | Description | I _{Δn} | Rated current (A) | Breaking capacity | No. Playbus modules | Pack Carton |
|-----------|-----------------|-----------------|-------------------|-------------------|---------------------|-------------|
| GW 30 377 | Two-pole (1P+N) | 10 mA | 6 | 3 kA | 2 | 1/6 |
| GW 30 378 | Two-pole (1P+N) | 10 mA | 10 | 3 kA | 2 | 1/6 |
| GW 30 379 | Two-pole (1P+N) | 10 mA | 16 | 3 kA | 2 | 1/6 |
| GW 30 388 | Two-pole (1P+N) | 30 mA | 6 | 3 kA | 2 | 1/6 |
| GW 30 389 | Two-pole (1P+N) | 30 mA | 10 | 3 kA | 2 | 1/6 |
| GW 30 390 | Two-pole (1P+N) | 30 mA | 16 | 3 kA | 2 | 1/6 |



GW 30 395

RED MINIATURE CIRCUIT BREAKERS FOR DEDICATED CIRCUITS - CHARACTERISTIC C - 230V AC

| Code | Description | Rated current (A) | Breaking capacity | No. Playbus modules | Pack Carton |
|-----------|-----------------|-------------------|-------------------|---------------------|-------------|
| GW 30 395 | Two-pole (1P+N) | 10 | 3 kA | 1 | 1/12 |
| GW 30 396 | Two-pole (1P+N) | 16 | 3 kA | 1 | 1/12 |

PROTECTION DEVICES



GW 30 360

FUSE-HOLDER - 250V AC

| Code | Rated current (A) | Fuse type | No. Playbus modules | Pack Carton |
|-----------|-------------------|---------------|---------------------|-------------|
| GW 30 360 | 16 | Ø 6.3 x 32 mm | 1 | 24/48 |

SIGNALLING

ANTI BLACK-OUT LAMP



GW 30 501

EXTRACTABLE ANTI BLACK-OUT LAMP - 230V - 50/60HZ

| Code | Supply voltage | Power supply batteries | Autonomy | Type of lamp | No. Playbus modules | Pack Carton |
|-----------|-----------------|------------------------|----------|--------------|---------------------|-------------|
| GW 30 501 | 230V - 50/60 Hz | Ni-Mh | 2 h | White Led | 2 | 1/6 |

CHARACTERISTICS: equipped with inhibition selector on the front. Use battery pack 4.8 V 40 mAh.

INDICATOR LIGHT DEVICES



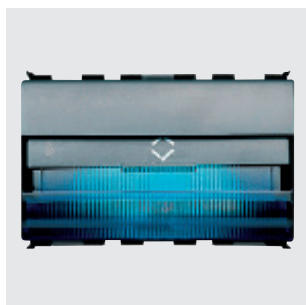
GW 30 611

INDICATOR LAMPS - 12/24/250V AC

| Code | Diffuser colour | Diffuser meaning | Diffusor type | Fixing for lamp | No. Playbus modules | Pack Carton |
|---------------------------|-----------------|------------------|---------------|-----------------|---------------------|-------------|
| Type: Single lamps | | | | | | |
| GW 30 611 | Red | Danger | Flat | Cartridge | 1 | 24/48 |
| GW 30 612 | Green | Safety | Flat | Cartridge | 1 | 24/48 |
| GW 30 613 | Amber | Attention | Flat | Cartridge | 1 | 24/48 |
| GW 30 614 | Transparent | Neutral | Flat | Cartridge | 1 | 24/48 |
| GW 30 615 | Light blue | Specific | Flat | Cartridge | 1 | 24/48 |
| Type: Double lamps | | | | | | |
| GW 30 616 | Red/green | | Flat | With wired lead | 1 | 24/48 |

CHARACTERISTICS: supplied without lamp They use 56x31 mm and 56.3x28 mm cartridge lamps (max 2 W). Any combination of illuminated diffusers module 25 x 22.5 mm can be applied to the indicator lamps in place of the red and green diffusers.

NOTES: the meaning of the diffusers refers to the recommendations of standard EN60073 with regard to the use of the colours in indicator lights.



GW 30 605

STAIR RISER LAMP WITH ADJUSTABLE BEAM OF LIGHT - 12/24V

| Code | Diffuser colour | Diffusor type | Fixing for lamp | No. Playbus modules | Pack Carton |
|-----------|-----------------|------------------------|-----------------|---------------------|-------------|
| GW 30 601 | Opal | Directional projecting | Cartridge | 3 | 8/16 |
| GW 30 603 | Green | Directional projecting | Cartridge | 3 | 8/16 |
| GW 30 604 | Amber | Directional projecting | Cartridge | 3 | 8/16 |
| GW 30 605 | Light blue | Directional projecting | Cartridge | 3 | 8/16 |

CHARACTERISTICS: supplied without lamp. Use cartridge lamps of the 56x36mm type (max 2W). The special adjustable eyelid shield allows you to direct the light downwards, for use as a stair riser lamp, or to make use of the entire diffuser as an indicator lamp.

ACOUSTIC SIGNALLING DEVICES



GW 30 634

BELLS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Playbus modules | Pack Carton |
|-----------|----------------|-----------------------|-----------------|---------------------|-------------|
| GW 30 633 | 12V ac - 50 Hz | 8 VA | 80 dB (at 1 m) | 1 | 12/24 |
| GW 30 634 | 230V ac - 50Hz | 8 VA | 80 dB (at 1 m) | 1 | 12/24 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).



GW 30 636

BUZZERS

| Code | Supply voltage | Max power consumption | Sound intensity | No. Playbus modules | Pack Carton |
|-----------|----------------|-----------------------|-----------------|---------------------|-------------|
| GW 30 635 | 12V ac - 50 Hz | 8 VA | 70 dB (at 1 m) | 1 | 12/24 |
| GW 30 636 | 230V ac - 50Hz | 8 VA | 70 dB (at 1 m) | 1 | 12/24 |

CHARACTERISTICS: for intermittent use (5 sec. ON / 15 sec. OFF).

ENERGY, TEMPERATURE AND COMFORT MANAGEMENT

DIMMER



GW 30 402

ROTATING ELECTRONIC REGULATOR FOR RESISTIVE LOADS

| Code | Resistive load 230V ac | Resistive load 110V ac | Control | No. Playbus modules | Pack Carton |
|-----------|---------------------------|---------------------------|---------|------------------------|----------------|
| GW 30 402 | 100-500 W | 50-250 W | Rotary | 1 | 1/12 |

CHARACTERISTICS: frequency 50/60 Hz. Equipped with orange signalling LED.
NOTES: the installation of more than one product side-by-side in a single container is not permitted. To avoid overheating, insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 30 403

ROTATING ELECTRONIC REGULATORS FOR RESISTIVE AND INDUCTIVE LOADS

| Code | Resistive load 230V ac | Inductive load 230V ac | Control | No. Playbus modules | Pack Carton |
|-----------|---------------------------|---------------------------|-----------------------------|------------------------|----------------|
| GW 30 403 | 100-900 W | 40-300 VA | Rotary | 1 | 1/12 |
| GW 30 404 | 40-300 W | 40-300 VA | Rotary with two- way switch | 1 | 1/12 |

CHARACTERISTICS: frequency 50/60 Hz. Equipped with orange signalling LED. GW30403: resistive load 110V AC 100-500 W; inductive load 110V AC 20-150 VA. GW30403 compliance with the EMC directive is only guaranteed by connecting the regulator to an LC filter with the following characteristics: L=1mH - 5A, C=0.15uF - 275V X2, according to the documentation provided with the product. Item designated solely for export to a limited number of countries outside the European Union or countries applying to become part of the European Free Trade Area. Contact Gewiss Customer Service to check the product meets the regulations of the country concerned before importing it. GW30404: resistive load 110V AC 20-150 W; inductive load 110V AC 20-150 VA.
NOTES: the installation of more than one product side-by-side in a single container is not permitted. To avoid overheating, insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 30 401

ELECTRONIC REGULATOR WITH BUTTON - FOR RESISTIVE AND INDUCTIVE LOADS

| Code | Resistive load 230V ac | Inductive load 230V ac | Control | No. Playbus modules | Pack Carton |
|-----------|---------------------------|---------------------------|-------------|------------------------|----------------|
| GW 30 401 | 60-500 W | 60-500 VA | Push-button | 2 | 1/6 |

CHARACTERISTICS: frequency 50/60 Hz. Equipped with orange signalling LED.
ACCESSORIES SUPPLIED: quick fuse Ø 5x20 mm - 2.5 A.
NOTES: the installation of more than one product side-by-side in a single container is not permitted.
To avoid overheating, insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 30 407

ELECTRONIC REGULATORS WITH BUTTON FOR RESISTIVE-INDUCTIVE LOADS AND ELECTRONIC LOW VOLTAGE HALOGEN LAMPS

| Code | Resistive load 230V ac | Inductive load 230V ac | Control | No. Playbus modules | Pack Carton |
|-----------|---------------------------|---------------------------|-------------|------------------------|----------------|
| GW 30 407 | 25-180 W | 25-180 VA | Push-button | 1 | 1/12 |
| GW 30 406 | 25-300 W | 25-300 VA | Push-button | 2 | 1/6 |

CHARACTERISTICS: self-protected against overloading and short-circuiting. Frequency 50 Hz. Equipped with red signalling LED.
NOTES: the installation of more than one product side-by-side in a single container is not permitted.
To avoid overheating, insert a blanking module between two electronic devices. If installing two regulators in the same box, the maximum loads that can be commanded by each regulator must be reduced by 50%.



GW 30 409

ELECTRONIC REGULATOR WITH BUTTON - FOR AIR AGITATORS

| Code | Load 230V ac | Control | No. Playbus modules | Pack Carton |
|-----------|-----------------|-------------|------------------------|----------------|
| GW 30 409 | 55-80 VA | Push-button | 1 | 1/12 |

CHARACTERISTICS: possibility to command and regulate at fixed steps, also from remote control push-buttons with NO contact. Equipped with red signalling LED.

APPLICATIONS: suitable for adjusting air agitators, fans and extractors with induction motors.

NOTES: to avoid overheating, the side-by-side installation of several products in a single container is not recommended; insert a blanking module between two electronic devices.

TEMPERATURE CONTROL DEVICES



GW 30 706

TIMED THERMOSTAT - DAILY/WEEKLY PROGRAMMING

| Code | Supply voltage | Temperature adjustment | Output contacts | No. Playbus modules | Pack Carton |
|-----------|---------------------|---------------------------|---------------------------------|------------------------|----------------|
| GW 30 706 | 230 V ac - 50/60 Hz | From +5°C to +40°C | 1NO/NC 5A(AC1)/2A(AC15) 250V ac | 2 | 1/2 |

CHARACTERISTICS: with rechargeable buffer battery to guarantee the updating of the calendar (date, day, time) in the event of a blackout.

Serial input for connecting the GW90821 GSM remote control.



GW 30 702

ELECTRONIC SUMMER/WINTER THERMOSTAT WITH INPUT FOR REMOTE CONTROL OF NIGHT-TIME REDUCTION 230V - 50/60HZ

| Code | Temperature adjustment | Output contacts | No. Playbus modules | Pack Carton |
|-----------|---------------------------|-------------------------------|------------------------|----------------|
| GW 30 702 | From +5°C to +40°C | 1NO 5A(AC1)/2A (AC15) 250V ac | 3 | 2/4 |

CHARACTERISTICS: with buffer battery (30 days reserve charge). Input for 1 external probe GW30703 available as accessory, to display the temperature of another environment.

NOTES: customizable temperature setpoints: frost, comfort and night.



GW 30 703

PROBE TO MEASURE INTERNAL/EXTERNAL TEMPERATURE

| Code | Suitable for | Outer dim. LxHxD (mm) | Cable length | Pack Carton |
|-----------|-----------------|--------------------------|-----------------|----------------|
| GW 30 703 | GW30702 | 39x23x14 | 10 m | 2/12 |

CHARACTERISTICS: cable extendable up to max 50m (min section 2x0.35mm²).

APPLICATIONS: can be used in bedrooms, bathrooms, kitchens, as a supplementary indoor probe, or outside the home.

ACCESSORIES SUPPLIED: expandable wall plug with screws and double-sided adhesive for wall or smooth surfaces mounting (or on a blanking module).

SAFETY

TECHNICAL ALARMS



GW 30 520

LPG DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. Playbus modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|---------------------|-------------|
| GW 30 520 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.
NOTES: owing to the particular thermal sensitivity of the LPG sensor, you are advised to position it far from the power supply unit GW30518, and apply a 1-module blanking module GW30901.



GW 30 519

METHANE GAS DETECTOR

| Code | Supply voltage | Tripping threshold | Output contacts | No. Playbus modules | Pack Carton |
|-----------|----------------|--------------------|------------------------------|---------------------|-------------|
| GW 30 519 | 12V ac/dc | 9% LIE | 1NO/NC 10A(NO)/3A(NC)250V ac | 2 | 1/2 |

CHARACTERISTICS: relay output for the automatic command of the gas interception solenoid valve (manual reset) GW30522. Sound intensity: 85dB at 1m.



GW 30 515

ELECTRONIC WATER (H2O) DETECTOR EQUIPPED WITH AUDIO/VISUAL SIGNALLING,
RELAY OUTPUT 230V - 50/60HZ

| Code | Rated residual operating current | Relay output | No. Playbus modules | Pack Carton |
|-----------|----------------------------------|--------------------------------|---------------------|-------------|
| GW 30 515 | Direct contact with water | 1NO 8A (AC1)/4A (AC15) 250V ac | 3 | 1/2 |
| GW 30 516 | Sensor H2O | Cable 5 m - dim. 72x40x15 mm | | 2/4 |

CHARACTERISTICS: GW30515, max 1 connectable water sensor. Relay output for automatic closure of the water interception solenoid valve. Output for GW30521 signal repeater. Sound intensity: 70dB at 1m. GW30516, cable extendible up to max 40 m (using a 2x0.5 mm² cable).
ACCESSORIES SUPPLIED: GW30516, expandable wall plug with screw and double-sided adhesive for fixing to wall or smooth surfaces.

ACCESSORIES



GW 10 720

POWER SUPPLY UNIT 12 VDC

| Code | Supply voltage | Output voltage | Max current supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------------|----------------------|-----------------------|-------------|
| GW 10 720 | 100/240 V ac - 50/60 Hz | 12V dc | 300 mA | 52x33x17 | 1/10 |

APPLICATIONS: to be used for powering LPG detectors (GW10711, GW12711, GW14711, GW20868, GW21868, GW30520), methane detectors (GW10712, GW12712, GW14712, GW20867, GW21867, GW30519) and water detectors (GW10716, GW12716, GW14716); Thermo ICE WiFi (GW16972CB, GW16972CN, GW16972CT) and KNX/Easy (GW16974CB, GW16974CN, GW16974CT) thermostats.



GW 30 522

SOLENOID VALVE, WITH MANUAL RESET, NORMALLY OPEN - 230V - 50HZ

| Code | Delivery Ø | Material | Power input | Pack Carton |
|-----------|------------|----------|-------------|-------------|
| GW 30 522 | 3/4" | Brass | 12 VA | 1/2 |

DOMESTIC RANGES

SPECIAL APPLICATIONS

COMPONENTS FOR HOTEL SYSTEMS



GW 30 430

UNIVERSAL BADGE SWITCH WITH BACKLIT LIGHT - 250V AC

| Code | Description | For badge card max. width | Type | No. Playbus modules | Pack Carton |
|-----------|-------------|---------------------------|-----------------|---------------------|-------------|
| GW 30 430 | 1P NO - 10A | 54 mm | Backlit 230V ac | 3 | 1/2 |

CHARACTERISTICS: supplied without a badge.

APPLICATIONS: activation of circuits and services in hotel rooms (e.g. lights, air-conditioner, fridge-bar), indication of room occupied (with badge inserted).



GW 30 711

EUROPEAN/AMERICAN STANDARD SHAVER SOCKET WITH INSULATION TRANSFORMER

| Code | Supply voltage | For plug pins | Selectable output voltage | Maximum power | No. Playbus modules | Pack Carton |
|-----------|--------------------|----------------------|---------------------------|---------------|---------------------|-------------|
| GW 30 711 | 230V ac - 50/60 Hz | Ø 4 / 5 - 6.3x1.5 mm | 120 - 230V ac | 20 VA | 3 | 2/4 |

CHARACTERISTICS: the socket-outlet is equipped with a self-protection device against overloading.

The output voltage should be selected correctly, consulting the rating of the user device before inserting the plug.

The relevant indicator LED allows the chosen voltage to be clearly seen.



GW 30 726

LAMP WITH FLEXIBLE ARM FOR NIGHT READING - 230V - 50/60 HZ

| Code | Lamp | Lamp power | Lamp voltage | Lamp holder | No. Playbus modules | Pack Carton |
|-----------|---------|------------|--------------|-------------|---------------------|-------------|
| GW 30 726 | Halogen | 5 W | 12V SELV | G4 | 3 | 1 |

CHARACTERISTICS: arm length 400mm.

APPLICATIONS: wall mounting for night-time reading; wall mounting for accent lighting; in console GW32411, as a desk / table lamp.

ACCESSORIES SUPPLIED: supplied complete with lamp.



GW 30 938

HALOGEN LAMP FOR LAMP WITH FLEXIBLE ARM FOR NIGHT READING - GW30726

| Code | Lamp voltage | Lamp power | Lamp holder | Pack Carton |
|-----------|--------------|------------|-------------|-------------|
| GW 30 938 | 12 V | 5 W | G4 | 50 |

ACCESSORIES

SPARE PARTS AND ACCESSORIES



MINIATURE LAMPS WITH QUICK COUPLING TERMINALS

| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Pack Carton |
|-----------|---------------|------------|-------------|---------------|-------------|
| GW 30 943 | 230 V ac | 0.4 W | Fluorescent | Red | 50 |
| GW 30 944 | 230V ac | 0.4 W | Fluorescent | Green | 50 |
| GW 30 946 | 110 / 230V ac | 0.6 W | LED | Light blue | 50 |
| GW 30 947 | 110 / 230V ac | 0.6 W | LED | White | 50 |
| GW 10 893 | 12-24V ac/dc | 0.4 W | LED | White | 50 |

APPLICATIONS: miniature lamps are mounted on all control devices fitted for luminous signalling.



GW 20 902

CARTRIDGE LAMPS

| Code | Dimensions (mm) | Lamp voltage | Lamp power | Lamp | Light emitted | Pack Carton |
|-----------|-----------------|---------------|------------|---------------|---------------|-------------|
| GW 20 902 | 56x36 | 12V ac/dc | 2 W | Incandescence | White | 50 |
| GW 20 903 | 56x36 | 24V ac/dc | 2 W | Incandescence | White | 50 |
| GW 20 904 | 56x31 | 12V ac/dc | 2 W | Incandescence | White | 50 |
| GW 20 905 | 56x31 | 24V ac/dc | 2 W | Incandescence | White | 50 |
| GW 20 906 | 56.3x28 | 110 / 230V ac | 0.4 W | Fluorescent | Red | 50 |
| GW 20 908 | 56.3x28 | 110 / 230V ac | 0.4 W | Fluorescent | Green | 50 |

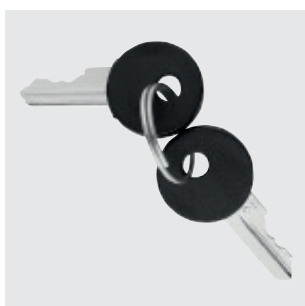
NOTES: the cartridge lamps are mounted on the stair riser, on the single indicator lamps and on the push-buttons with a name plate.



GW 20 911

MINIATURE FUSES - 250V AC

| Code | Dimensions (mm) | Rated current (A) | Rated voltage | Pack Carton |
|-----------|-----------------|-------------------|---------------|-------------|
| GW 20 911 | Ø 5 x 20 | 2.5 | 250V ac | 20/200 |
| GW 20 921 | Ø 6.3 x 32 | 2 | 250V ac | 10/200 |
| GW 20 922 | Ø 6.3 x 32 | 4 | 250V ac | 10/200 |
| GW 20 923 | Ø 6.3 x 32 | 6 | 250V ac | 10/200 |
| GW 20 924 | Ø 6.3 x 32 | 10 | 250V ac | 10/200 |
| GW 20 925 | Ø 6.3 x 32 | 16 | 250V ac | 10/200 |



GW 20 901

SET OF 2 KEYS FOR COMMAND DEVICES

| Code | Suitable for | Pack Carton |
|-----------|-------------------------------------|-------------|
| GW 20 901 | One-way switches - two-way switches | 1/100 |
| GW 30 912 | Push-buttons | 1/100 |

Playbus



DESIGN AND SAFETY



The range includes plates in 10 colours and two different shapes (modern or classic), with a glossy or satin finish. The use of technopolymer ensures the total safety of the electrical insulation, and a longer lifespan for the colours and finishes.

COMMAND DEVICES



The command devices have three types of back-lighting: practical (visible also during the day), night-time localisation (moderate light) and iconographical (the symbols of more 40 button keys/ functions can be replaced with simple, intuitive icons).

INSTALLATION FLEXIBILITY



With the Playbus range you can manage several socket-outlets and several lines from just one point, thanks to the high-capacity plates (up to 18 modules) with internal circuit separation. Moreover, the high degree of installation flexibility is guaranteed by the wide range of accessories available.

General characteristics

Modular range of devices for domestic and similar uses on frames for flush-mounting boxes of up to 18 modules. It includes controls, socket-outlets, protections, indicators, connectors and a vast range of electronic components for domotics and special services. There are also boxes and plates for surface-mounting and free-standing applications.

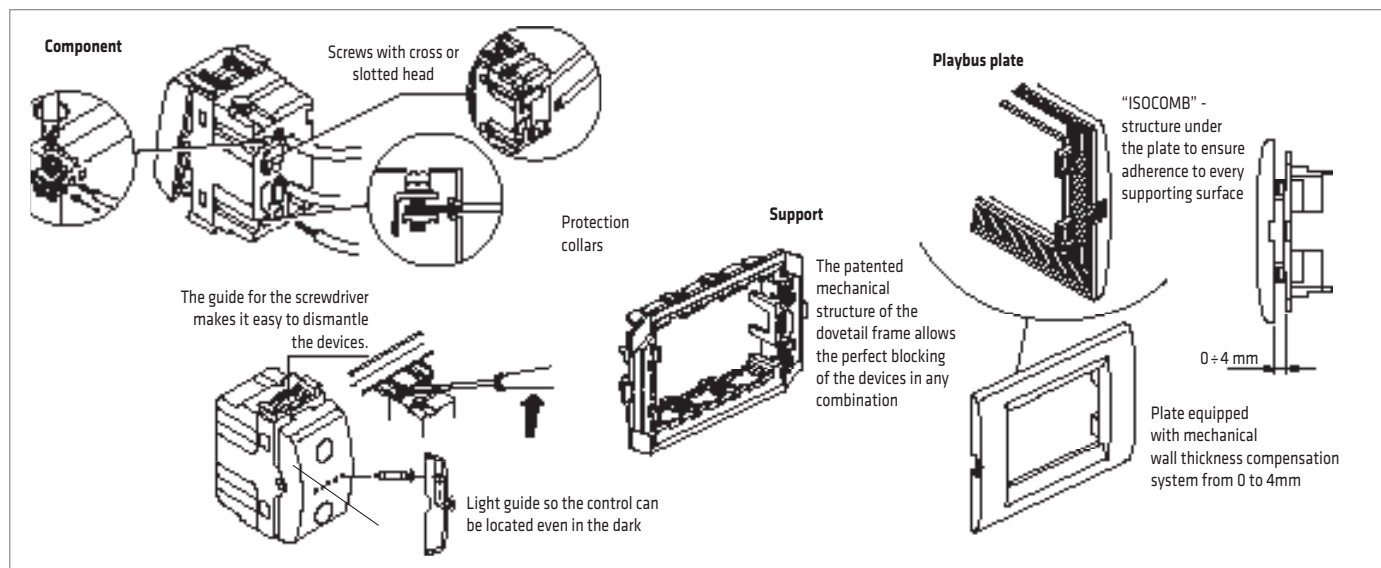
| TECHNICAL DATA AND REFERENCE STANDARDS | | | | | | | |
|--|---------------------------|----------------------------------|----------------------------|--------------------------------------|---|--------------------------------------|---------------------|
| Component | Reference standards | Essential electrical data* | | | Prolonged operation (no. position changes) | Resistance to abnormal heat and fire | |
| | | Resistance at test voltage (V) | Insulation resistance (MΩ) | Breaking capacity or category of use | | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
| Commands | EN 60669-1 | 2000 at 50 Hz for 1 minute | > 5 | 1,25 In (200 position changes) | 40,000 at In 250V AC cos φ = 0.6 | 125 | 850 |
| Socket-outlets | IEC 60884-1 | | | 1,25 In (100 position changes) | 10.000 at In 250V AC cos φ = 0.8 | | |
| Latching relays | EN 60669-1 / EN 60669-2-2 | | | | 50,000 at In 250V AC cos φ = 0.6 | | |
| Momentary relays | EN 60669-1 / EN 60669-2-2 | | | 1.25 In (200 position changes) | | | |
| Miniature circuit breakers | EN 60898-1 | | 2** ÷ 5 | 3KA | 8,000 | | |
| Residual current circuit breaker with overcurrent protection | EN 61009-1 / EN 61008-1 | | | 3KA | 4,000 | | |
| Supports and plates | EN 60669-1 | - | - | - | - | 70 | 650 |

* For rated voltages and currents, see the specifications in the single codes. ** The value of 2 MΩ refers to a special condition established by the Standards given alongside.

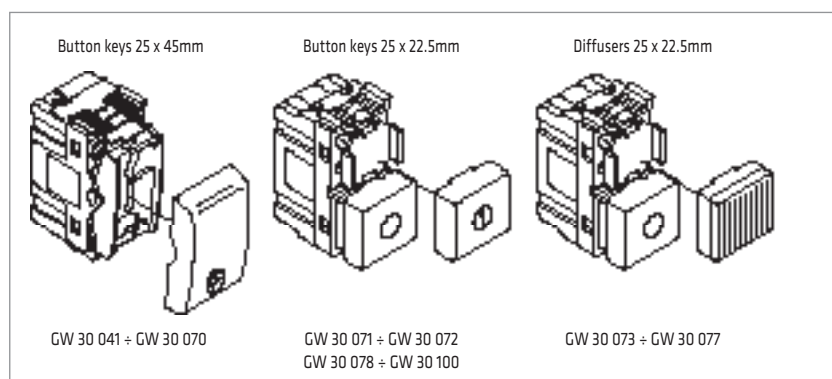
Terminal resistance to cable traction: > 50N
Device hold on support: > 0.6J

| TERMINAL TIGHTENING CAPACITY | | | |
|------------------------------|-------------------|-----------------|---------------------|
| Flexible wires | | Rigid wires | |
| Minimum 0.75 mm² | Maximum 2 x 4 mm² | Minimum 0.5 mm² | Maximum 2 x 2.5 mm² |

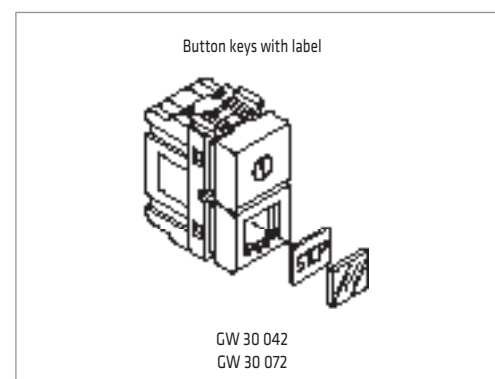
Common construction features





Interchangeability of button keys and diffusers





Label can be personalised



Backlighting of control devices

| Type | Functional characteristics | Applications |
|--|--|--|
|  Night-time location | Permits the identification of the control button key even in the dark. You are advised to use the Gewiss lamps: white/red/light blue. | Bedrooms. Corridors. |
|  Functional signalling | Permits the identification of the control button key, or the indication of the ON/OFF status of a lighting circuit, even in the dark. With a red/white/light blue lamp, the signalling is bright. With a green lamp the lighting level does not cause sleep disturbance. | General services of a building complex (stair lights, entrances, etc.). Public entertainment premises |

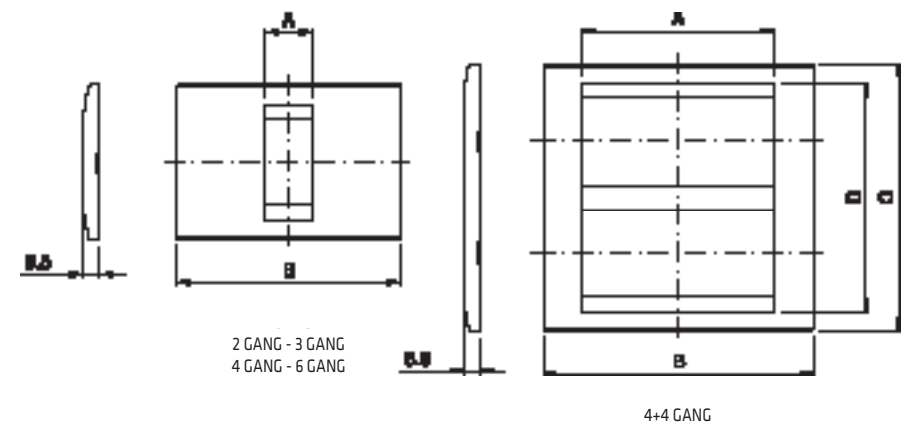
| Type | Functional characteristics | Applications |
|--|---|--|
|  Iconographic signalling | Permits the identification of the control button key, and its specific function, even in the dark. | General services. Internal systems for offices, shops, warehouses. Hotel structures. Hospitals and nursing homes. |
|  With diffuser lamp | Permits the identification of the ON/OFF status of a user or lighting circuit from a considerable distance. Visible from both front and side. | Signalling lights coming on outside the place where the control device is installed. |

Degree of protection of the set of PLAYBUS domestic range assembly installed

| Component | Installation | Reference standard | IP rating |
|---|--|--------------------|--|
| Devices with closed front (commands, bells, indicators, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in self-supporting boxes | Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard | EN60529 | 41 |
| Devices with open front (socket-outlets, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in selfsupporting boxes | Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard. Suitable for use for zone 3 of rooms containing baths or showers. | | X1 (in case of socket-outlets it is 21) |
| Devices with open front (socket-outlets, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in selfsupporting boxes | Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard with plug inserted | | 4X |

Dimension tables

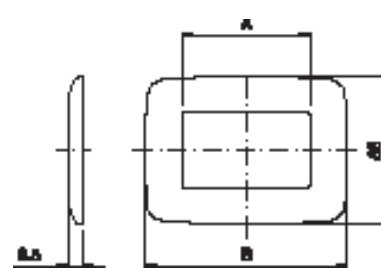
PLAYBUS PLATES 1 ÷ 18 GANG



| A | 1 GANG | 2 GANG | 3 GANG | 4 GANG |
|---|--------|--------|--------|--------|
| B | 116 | 116 | 116 | 140 |
| C | 80 | 80 | 80 | 80 |
| D | - | - | - | - |

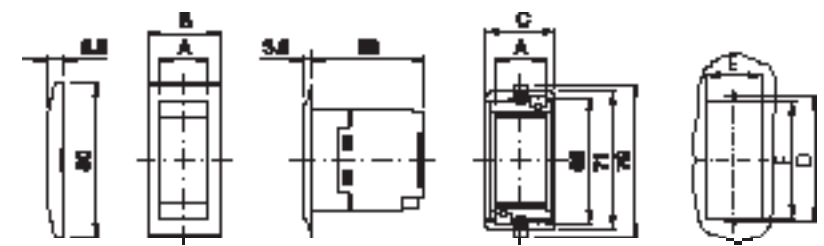
| A | 6 GANG | 4+4 GANG | 6+6 GANG | 6+6+6 GANG |
|---|--------|----------|----------|------------|
| B | 190 | 140 | 190 | 190 |
| C | 80 | 137.5 | 137.5 | 195 |
| D | - | 117.5 | 117.5 | 176 |

PLAYBUS YOUNG PLATES, 1 ÷ 6 GANG



| A | 1 GANG | 2 GANG | 3 GANG | 4 GANG | 6 GANG |
|---|--------|--------|--------|--------|--------|
| B | 118 | 118 | 118 | 143 | 193 |

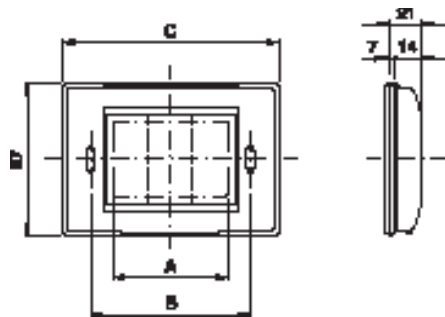
PLATES FOR PROFILES



| CODE | A | B | C | D | E | F |
|-------------------------------------|--------|----|----|----|------|----|
| GW 32 121 GW 32 122 GW 32 123 | 1 GANG | 42 | 36 | 65 | 31.5 | 54 |
| GW 32 131 GW 32 132 GW 32 133 | 2 GANG | 68 | 62 | 65 | 56.5 | 54 |

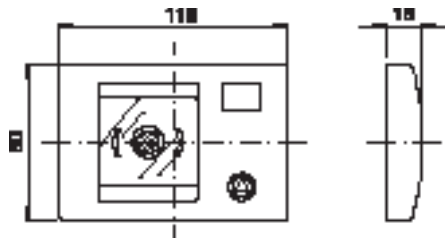
DIMENSIONS OF THE OPENING

WATERTIGHT PLATES



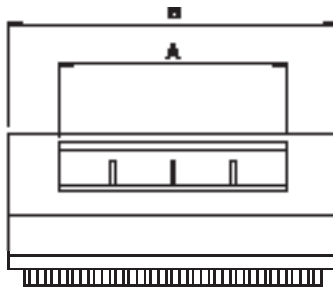
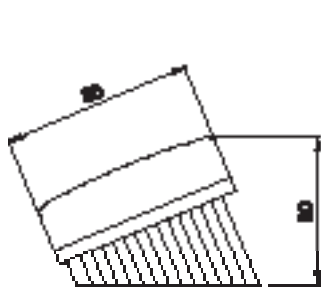
| CODE | A | B | C |
|------------------------|--------|-------|-----|
| GW 32 461 GW 32 462 | 3 GANG | 83.5 | 121 |
| GW 32 466 GW 32 467 | 4 GANG | 108.5 | 146 |

PLATES FOR LIFT - EMERGENCY



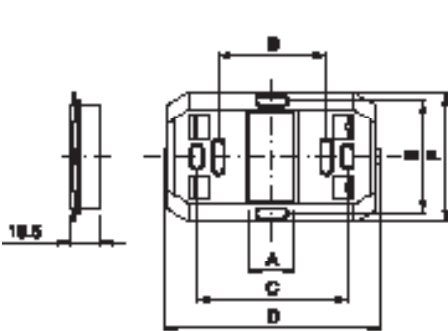
GW 32 450 - GW 32 451
GW 32 452 - GW 32 453

FREE-STANDING PANELS

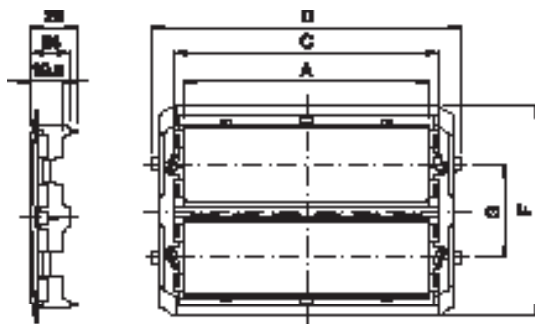


| CODE | A | B |
|-----------|--------|-----|
| GW 32 411 | 4 GANG | 140 |
| GW 32 412 | 8 GANG | 240 |

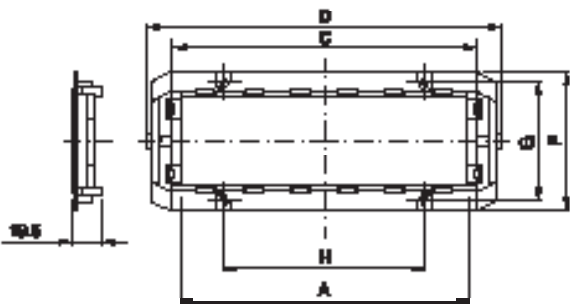
SUPPORTS FOR PLAYBUS / YOUNG PLATES



1 GANG - 2 GANG

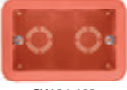

















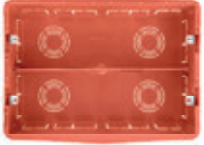



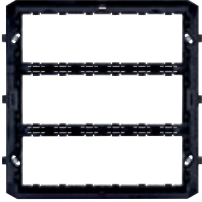







4+4 GANG - 6+6 GANG - 6+6+6 GANG



3 GANG - 4 GANG - 6 GANG

| CODE | GW 32 401 | GW 32 402 | GW 32 403 | GW 32 404 | GW 32 406 | GW 32 407 | GW 32 408 | GW 32 409 |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| A | 1 GANG | 2 GANG | 3 GANG | 4 GANG | 6 GANG | 4+4 GANG | 6+6 GANG | 6+6+6 GANG |
| B | 60 | 60 | - | - | - | - | - | - |
| C | 83.5 | 83.5 | 83.5 | 108.5 | - | 112 | 163 | 163 |
| D | 115 | 115 | 115 | 140 | 190 | 140 | 190 | 190 |
| E | 60 | 60 | - | - | - | - | - | - |
| F | 70 | 70 | 70 | 70 | 70 | 127.5 | 127.5 | 185 |
| G | - | - | - | - | 60 | 57.5 | 57.5 | 117 |
| H | - | - | - | 74 | 100 | - | - | - |

| | FLUSH-MOUNTING BOXES | SUPPORTS | DEVICES |
|--------|--|--|---|
| 3M | <div> GW 24 403</div> <div> GW 24 403 PM</div> | <div> GW 32 401</div> <div> GW 32 402</div> <div> GW 32 403</div> |  |
| 4M | <div> GW 24 404</div> <div> GW 24 404 PM</div> | <div> GW 32 404</div> |  |
| 6M | <div> GW 24 406</div> <div> GW 24 406 PM</div> | <div> GW 32 406</div> |  |
| 4+4M | <div> GW 24 237</div> <div> GW 24 237 PM</div> | <div> GW 32 407</div> |  |
| 6+6M | <div> GW 24 238</div> | <div> GW 32 408</div> |  |
| 6+6+6M | <div> GW 24 239</div> | <div> GW 32 409</div> |  |
| 2M | <div> GW 24 231</div> | <div> GW 32 401</div> <div> GW 32 402</div> |  |

PLATES

DOMESTIC RANGES

PLAYBUS YOUNG



GW 32 xx1

PLAYBUS



GW 32 xx1

PLAYBUS YOUNG



GW 32 xx2

PLAYBUS



GW 32 xx2

PLAYBUS YOUNG



GW 32 xx3

PLAYBUS



GW 32 xx3

PLAYBUS YOUNG



GW 32 xx4

PLAYBUS



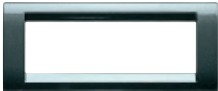
GW 32 xx4

PLAYBUS YOUNG



GW 32 xx6

PLAYBUS



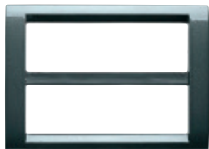
GW 32 xx6

PLAYBUS



GW 32 xx7

PLAYBUS



GW 32 xx8

PLAYBUS



GW 32 009

PLAYBUS YOUNG



GW 32 xx1

PLAYBUS YOUNG



GW 32 xx2

PLAYBUS



GW 32 xx1

PLAYBUS



GW 32 xx2

DAHLIA PLATES

Technopolymer

WHITE



| | |
|--------------|--------|
| GW 35 901 AW | 1 gang |
| GW 35 902 AW | 2 gang |
| GW 35 903 AW | 3 gang |
| GW 35 904 AW | 4 gang |
| GW 35 905 AW | 5 gang |
| GW 35 909 AW | Double |

IVORY



| | |
|--------------|--------|
| GW 35 901 AY | 1 gang |
| GW 35 902 AY | 2 gang |
| GW 35 903 AY | 3 gang |
| GW 35 904 AY | 4 gang |
| GW 35 905 AY | 5 gang |
| GW 35 909 AY | Double |

HEMP



| | |
|--------------|--------|
| GW 35 901 AH | 1 gang |
| GW 35 902 AH | 2 gang |
| GW 35 903 AH | 3 gang |
| GW 35 904 AH | 4 gang |
| GW 35 905 AH | 5 gang |
| GW 35 909 AH | Double |

CREAM



| | |
|--------------|--------|
| GW 35 901 AM | 1 gang |
| GW 35 902 AM | 2 gang |
| GW 35 903 AM | 3 gang |
| GW 35 904 AM | 4 gang |
| GW 35 905 AM | 5 gang |
| GW 35 909 AM | Double |

LIGHT GREY



| | |
|--------------|--------|
| GW 35 901 AG | 1 gang |
| GW 35 902 AG | 2 gang |
| GW 35 903 AG | 3 gang |
| GW 35 904 AG | 4 gang |
| GW 35 905 AG | 5 gang |
| GW 35 909 AG | Double |

DARK GREY



| | |
|--------------|--------|
| GW 35 901 AD | 1 gang |
| GW 35 902 AD | 2 gang |
| GW 35 903 AD | 3 gang |
| GW 35 904 AD | 4 gang |
| GW 35 905 AD | 5 gang |
| GW 35 909 AD | Double |

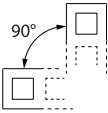
ANTHRACITE GREY



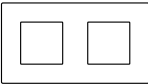
| | |
|--------------|--------|
| GW 35 901 AN | 1 gang |
| GW 35 902 AN | 2 gang |
| GW 35 903 AN | 3 gang |
| GW 35 904 AN | 4 gang |
| GW 35 905 AN | 5 gang |
| GW 35 909 AN | Double |

Modularity

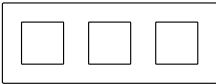
Center distance 71 mm



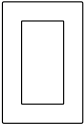
1 gang



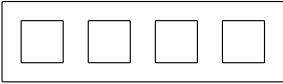
2 gang



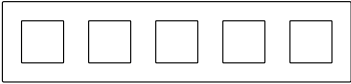
3 gang



double



4 gang

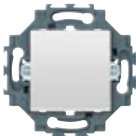


5 gang

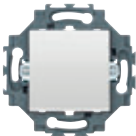
DOMESTIC RANGES

SWITCHES - WHITE

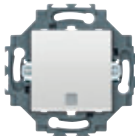
One-way switches
quick wiring



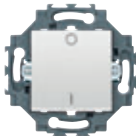
GW 35 031 W
1P-10 AX
Illuminable (*)



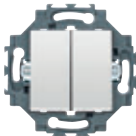
GW 35 002 W
1P-10 AX
Backlit



GW 35 006 W
1P-10 AX
Backlit

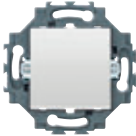


GW 35 003 W
2P-10 AX
Illuminable (*)



GW 35 051 W
1P-10 AX
Double one-way switch

Two-way switches
quick wiring



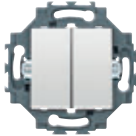
GW 35 071 W
1P-10 AX
Illuminable (*)



GW 35 012 W
1P-10 AX
Backlit

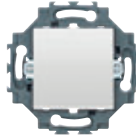


GW 35 016 W
1P-10 AX
Backlit



GW 35 052 W
1P-10 AX
Double two-way switch

Intermediate switch
quick wiring

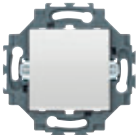


GW 35 015 W
1P-10 AX

Push-buttons
quick wiring



GW 35 021 W
1P-10 A
Illuminable (*)



GW 35 022 W
1P-10 A
Backlit



GW 35 026 W
1P-10 A
Backlit

ENERGY SOCKETS - WHITE

German socket-outlet
quick wiring



GW 35 206 W
2P+E-16 A-250 V ac
Illuminable (*)

German socket-outlets
screw wiring



GW 35 207 W
2P+E-16 A-250 V ac
Illuminable (*)



GW 35 203 W
2P+E-16 A-250 V ac
With lid
Illuminable (*)



GW 35 204 W
2P+E-16 A-250 V ac
Double

French socket-outlet
quick wiring



GW 35 216 W
2P+E-16 A-250 V ac
Illuminable (*)

French socket-outlets
screw wiring



GW 35 212 W
2P+E-16 A-250 V ac
Illuminable (*)



GW 35 213 W
2P+E-16 A-250 V ac
With lid
Illuminable (*)



GW 35 214 W
2P+E-16 A-250 V ac
Double

DIMMERS - WHITE

Universal dimmer

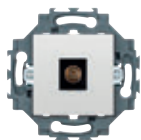


GW 35 301 W
4-160 W
With two-way switch
230 V ac-50 Hz

(*) supplied without LED signalling unit

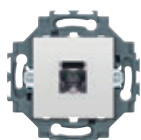
DATA SOCKETS - WHITE

TV socket



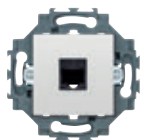
GW 35 261 W
Direct - 0 db

Telephone socket

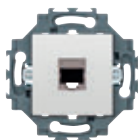


GW 35 251 W
RJ11

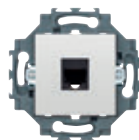
Data sockets



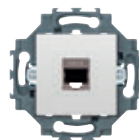
GW 35 271 W
RJ45 cat.5e
UTP



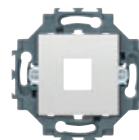
GW 35 272 W
RJ45 cat.5e
FTP



GW 35 273 W
RJ45 cat.6
UTP



GW 35 274 W
RJ45 cat.6
FTP



GW 35 280 W
Empty enclosure

USB and HDMI couplers



GW 38 056
HDMI coupler



GW 38 057
USB coupler

DOMESTIC RANGES

ACCESSORIES

LED signalling unit



GW 35 981
230 V ac-50/60 Hz

Lens with illuminated symbol



GW 35 986
Lens kit

Protective cover



GW 35 996
For painting

Wall-mounting boxes - IP40



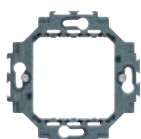
GW 35 911
1 gang



GW 35 912
2 gang

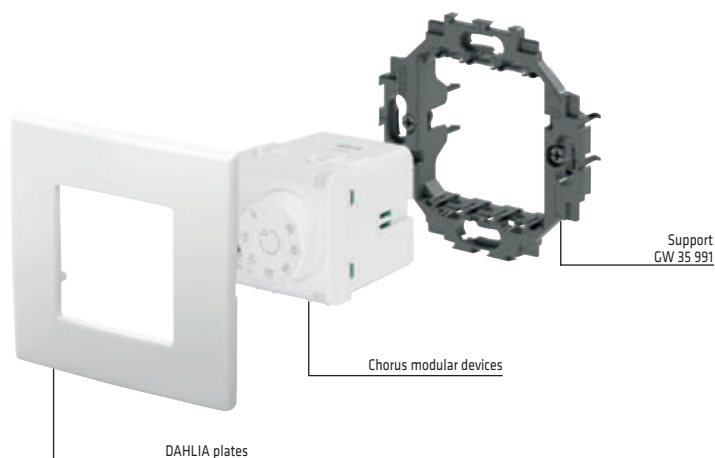
SUPPORTS FOR MODULAR DEVICES

Support



GW 35 991

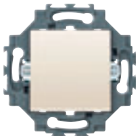
All Chorus modular devices (max. 2 modules) can be fitted with GW35991 supports and completed with DAHLIA plates.



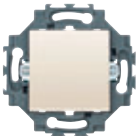
Dahlia devices are suitable for Ø 60 mm round boxes. They can be used with all the Gewiss round boxes. They can be mounted on the Gewiss GW 24 231 square boxes only with screws (not with clutches).

SWITCHES - IVORY

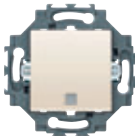
One-way switches
quick wiring



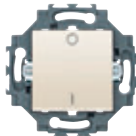
GW 35 001 Y
1P-10 AX
Illuminable (*)



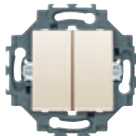
GW 35 002 Y
1P-10 AX
Backlit



GW 35 006 Y
1P-10 AX
Backlit

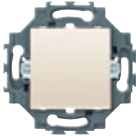


GW 35 003 Y
2P-10 AX
Illuminable (*)

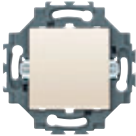


GW35051Y
1P-10 AX
Double one-way switches

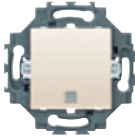
Two-way switches
quick wiring



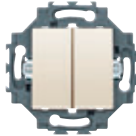
GW 35 011 Y
1P-10 AX
Illuminable (*)



GW 35 012 Y
1P-10 AX
Backlit

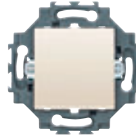


GW 35 016 Y
1P-10 AX
Backlit



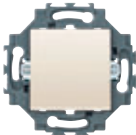
GW 35 052 Y
1P-10 AX
Double two-way switch

Intermediate switch
quick wiring

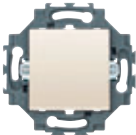


GW 35 015 Y
1P-10 AX

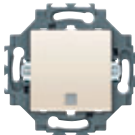
Push-buttons
quick wiring



GW 35 021 Y
1P-10 A
Illuminable (*)



GW 35 022 Y
1P-10 A
Backlit



GW 35 026 Y
1P-10 A
Backlit

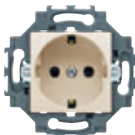
ENERGY SOCKETS - IVORY

German socket-outlet
quick wiring

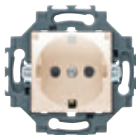


GW 35 201 Y
2P+E-16 A-250 V ac
Illuminable (*)

German socket-outlets
screw wiring



GW 35 202 Y
2P+E-16 A-250 V ac
Illuminable (*)

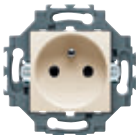


GW 35 203 Y
2P+E-16 A-250 V ac
With lid
Illuminable (*)



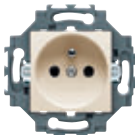
GW 35 204 Y
2P+E-16 A-250 V ac
Double

French socket-outlet
quick wiring



GW 35 211 Y
2P+E-16 A-250 V ac
Illuminable (*)

French socket-outlets
screw wiring



GW 35 212 Y
2P+E-16 A-250 V ac
Illuminable (*)



GW 35 213 Y
2P+E-16 A-250 V ac
With lid
Illuminable (*)



GW 35 214 Y
2P+E-16 A-250 V ac
Double

DIMMERS - IVORY

Universal dimmer

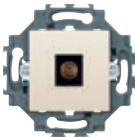


GW 35 301 Y
4-160 W
With two-way switch
230 V ac-50 Hz

(*) supplied without LED signalling unit

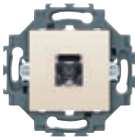
DATA - IVORY

TV socket



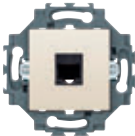
GW 35 261 Y
Direct - 0 db

Telephone socket

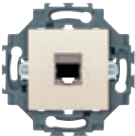


GW 35 251 Y
RJ11

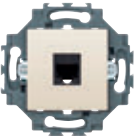
Data sockets



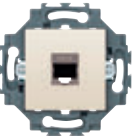
GW 35 271 Y
RJ45 cat.5e
UTP



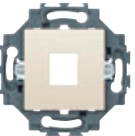
GW 35 272 Y
RJ45 cat.5e
FTP



GW 35 273 Y
RJ45 cat.6
UTP




GW 35 274 Y
RJ45 cat.6
FTP




GW 35 280 Y
Empty enclosure

USB and HDMI couplers



GW 38 056
HDMI coupler



GW 38 057
USB coupler

DOMESTIC RANGES


ACCESSORIES

LED signalling unit




GW 35 981
230 V ac-50/60 Hz

Lens with illuminated symbol



GW 35 986
Lens kit

Protective cover



GW 35 996
For painting

Wall-mounting boxes - IP40



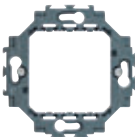
GW 35 911
1 gang



GW 35 912
2 gang

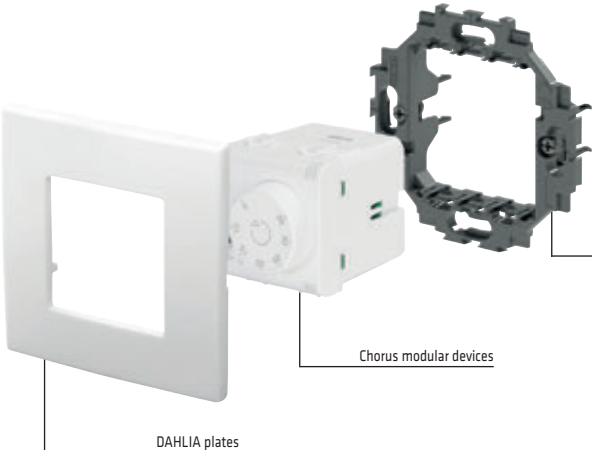
SUPPORTS FOR MODULAR DEVICES

Support



GW 35 991

All Chorus modular devices (max. 2 modules) can be fitted with GW35991 supports and completed with DAHLIA plates.



Dahlia devices are suitable for Ø 60 mm round boxes. They can be used with all the Gewiss round boxes. They can be mounted on the Gewiss GW 24 231 square boxes only with screws (not with clutches).

Dahlia

Plates and devices

With an elegant appearance and classic shapes, the new wiring device system Dahlia complements the decor of the home with minimal and sophisticated forms. A range of plates with an Italian design, articulated into seven colors and different modularity, from 1 up to 5 gang. The range, developed around a core of monobloc devices, is available in two colors: glossy white and ivory and fits in round boxes. Expandable thanks to the Chorus modular devices.



Technical characteristics page 464

DAHLIA PLATES

TECHNOPOLYMER



GW 35 901 AW

DAHLIA - WHITE

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|---------------------|-----------------|-------------|
| GW 35 901 AW | 1 gang | | | 240 |
| GW 35 902 AW | 2 gang | Horizontal/Vertical | 71 mm | 120 |
| GW 35 903 AW | 3 gang | Horizontal/Vertical | 71 mm | 100 |
| GW 35 904 AW | 4 gang | Horizontal/Vertical | 71 mm | 80 |
| GW 35 905 AW | 5 gang | Horizontal/Vertical | 71 mm | 60 |
| GW 35 909 AW | Double | | | 120 |

CHARACTERISTICS: glossy finish. GW35909AW suitable for double socket-outlets GW35204W, GW35204Y, GW35214W and GW35214Y.



GW 35 901 AY

DAHLIA - IVORY

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|---------------------|-----------------|-------------|
| GW 35 901 AY | 1 gang | | | 240 |
| GW 35 902 AY | 2 gang | Horizontal/Vertical | 71 mm | 120 |
| GW 35 903 AY | 3 gang | Horizontal/Vertical | 71 mm | 100 |
| GW 35 904 AY | 4 gang | Horizontal/Vertical | 71 mm | 80 |
| GW 35 905 AY | 5 gang | Horizontal/Vertical | 71 mm | 60 |
| GW 35 909 AY | Double | | | 120 |

CHARACTERISTICS: glossy finish. GW35909AY suitable for double socket-outlets GW35204W, GW35204Y, GW35214W and GW35214Y.

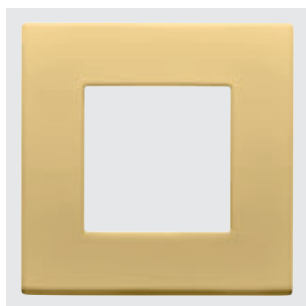


GW 35 901 AH

DAHLIA - HEMP

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|---------------------|-----------------|-------------|
| GW 35 901 AH | 1 gang | | | 240 |
| GW 35 902 AH | 2 gang | Horizontal/Vertical | 71 mm | 120 |
| GW 35 903 AH | 3 gang | Horizontal/Vertical | 71 mm | 100 |
| GW 35 904 AH | 4 gang | Horizontal/Vertical | 71 mm | 80 |
| GW 35 905 AH | 5 gang | Horizontal/Vertical | 71 mm | 60 |
| GW 35 909 AH | Double | | | 120 |

CHARACTERISTICS: glossy finish. GW35909AH suitable for double socket-outlets GW35204W, GW35204Y, GW35214W and GW35214Y.



GW 35 901 AM

DAHLIA - CREAM

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|---------------------|-----------------|-------------|
| GW 35 901 AM | 1 gang | | | 240 |
| GW 35 902 AM | 2 gang | Horizontal/Vertical | 71 mm | 120 |
| GW 35 903 AM | 3 gang | Horizontal/Vertical | 71 mm | 100 |
| GW 35 904 AM | 4 gang | Horizontal/Vertical | 71 mm | 80 |
| GW 35 905 AM | 5 gang | Horizontal/Vertical | 71 mm | 60 |
| GW 35 909 AM | Double | | | 120 |

CHARACTERISTICS: glossy finish. GW35909AM suitable for double socket-outlets GW35204W, GW35204Y, GW35214W and GW35214Y.



GW 35 901 AG

DAHLIA - LIGHT GREY

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|---------------------|-----------------|-------------|
| GW 35 901 AG | 1 gang | | | 240 |
| GW 35 902 AG | 2 gang | Horizontal/Vertical | 71 mm | 120 |
| GW 35 903 AG | 3 gang | Horizontal/Vertical | 71 mm | 100 |
| GW 35 904 AG | 4 gang | Horizontal/Vertical | 71 mm | 80 |
| GW 35 905 AG | 5 gang | Horizontal/Vertical | 71 mm | 60 |
| GW 35 909 AG | Double | | | 120 |

CHARACTERISTICS: glossy finish. GW35909AG suitable for double socket-outlets GW35204W, GW35204Y, GW35214W and GW35214Y.



GW 35 901 AD

DAHLIA - DARK GREY

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|---------------------|-----------------|-------------|
| GW 35 901 AD | 1 gang | | | 240 |
| GW 35 902 AD | 2 gang | Horizontal/Vertical | 71 mm | 120 |
| GW 35 903 AD | 3 gang | Horizontal/Vertical | 71 mm | 100 |
| GW 35 904 AD | 4 gang | Horizontal/Vertical | 71 mm | 80 |
| GW 35 905 AD | 5 gang | Horizontal/Vertical | 71 mm | 60 |
| GW 35 909 AD | Double | | | 120 |

CHARACTERISTICS: glossy finish. GW35909AD suitable for double socket-outlets GW35204W, GW35204Y, GW35214W and GW35214Y.



GW 35 901 AN

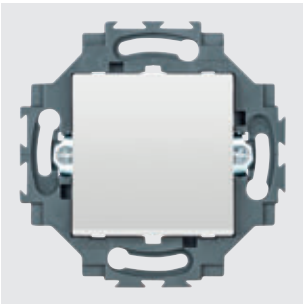
DAHLIA - ANTHRACITE GREY

| Code | Description | Type | Centre distance | Pack Carton |
|--------------|-------------|---------------------|-----------------|-------------|
| GW 35 901 AN | 1 gang | | | 240 |
| GW 35 902 AN | 2 gang | Horizontal/Vertical | 71 mm | 120 |
| GW 35 903 AN | 3 gang | Horizontal/Vertical | 71 mm | 100 |
| GW 35 904 AN | 4 gang | Horizontal/Vertical | 71 mm | 80 |
| GW 35 905 AN | 5 gang | Horizontal/Vertical | 71 mm | 60 |
| GW 35 909 AN | Double | | | 120 |

CHARACTERISTICS: glossy finish. GW35909AN suitable for double socket-outlets GW35204W, GW35204Y, GW35214W and GW35214Y.

COMMAND - WHITE VERSION

COMMAND DEVICES - QUICK WIRING TERMINALS

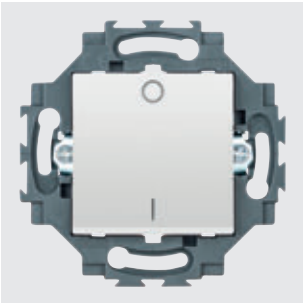


GW 35 031 W

ONE-WAY SWITCHES 1P - 250 V AC

| Code | Description | Button key | Pack Carton |
|-------------|-----------------------|-------------------------------|----------------|
| GW 35 031 W | 1P - 10AX illuminable | Neutral | 10/100 |
| GW 35 002 W | 1P - 10 AX backlit | Neutral | 10/100 |
| GW 35 006 W | ② 1P - 10 AX backlit | With replaceable neutral lens | 10/100 |

CHARACTERISTICS: the backlit articles include miniature lamp units with amber led lamp. The illuminable articles are pre-arranged for housing miniature led lamp units (not included).
NOTES: rear access terminals with spring quick wiring, no tools necessary.

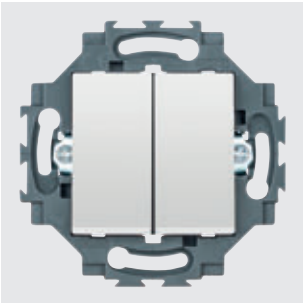


GW 35 003 W

ONE-WAY SWITCH 2P - 250 V AC

| Code | Description | Button key | Symbol | Pack Carton |
|-------------|-----------------------|------------|--------|----------------|
| GW 35 003 W | 2P - 10AX illuminable | Neutral | 0/1 | 10/100 |

CHARACTERISTICS: the illuminable articles are pre-arranged for housing miniature led lamp units (not included).
NOTES: rear access terminals with spring quick wiring, no tools necessary.

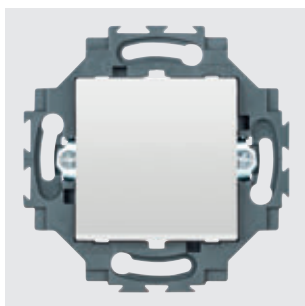


GW 35 051 W

DOUBLE ONE-WAY SWITCH 1P - 250 V AC

| Code | Description | Button key | Pack Carton |
|-------------|-------------------|------------|----------------|
| GW 35 051 W | Double 1P - 10 AX | Neutral | 10/100 |

NOTES: rear access terminals with spring quick wiring, no tools necessary.



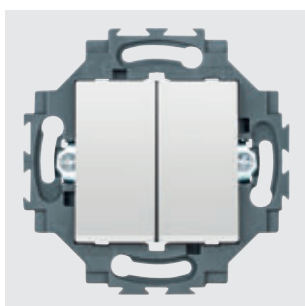
GW 35 071 W

TWO-WAY SWITCHES 1P - 250 V AC

| Code | Description | Button key | Pack Carton |
|-------------|-----------------------|-------------------------------|-------------|
| GW 35 071 W | 1P - 10AX illuminable | Neutral | 10/100 |
| GW 35 012 W | 1P - 10 AX backlit | Neutral | 10/100 |
| GW 35 016 W | 1P - 10 AX backlit | With replaceable neutral lens | 10/100 |

CHARACTERISTICS: the backlit articles include miniature lamp units with amber led lamp. The illuminable articles are pre-arranged for housing miniature led lamp units (not included).

NOTES: rear access terminals with spring quick wiring, no tools necessary.

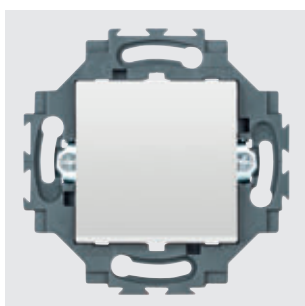


GW 35 052 W

DOUBLE TWO-WAY SWITCH 1P - 250 V AC

| Code | Description | Button key | Pack Carton |
|-------------|-------------------|------------|-------------|
| GW 35 052 W | Double 1P - 10 AX | Neutral | 10/100 |

NOTES: rear access terminals with spring quick wiring, no tools necessary.

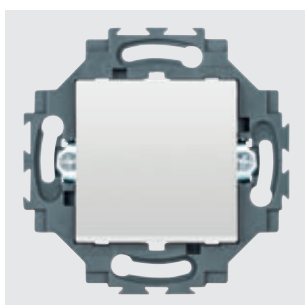


GW 35 015 W

INTERMEDIATE SWITCH 1P - 250 V AC

| Code | Description | Button key | Pack Carton |
|-------------|-------------|------------|-------------|
| GW 35 015 W | 1P - 10AX | Neutral | 10/100 |

NOTES: rear access terminals with spring quick wiring, no tools necessary.



GW 35 021 W

PUSH-BUTTONS 1P - 250 V AC

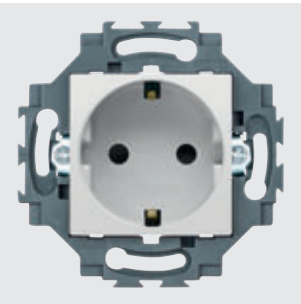
| Code | Description | Button key | Pack Carton |
|-------------|----------------------|-------------------------------|-------------|
| GW 35 021 W | 1P - 10A illuminable | Neutral | 10/100 |
| GW 35 022 W | 1P - 10 A backlit | Neutral | 10/100 |
| GW 35 026 W | 1P - 10 A backlit | With replaceable neutral lens | 10/100 |

CHARACTERISTICS: the backlit articles include miniature lamp units with amber led lamp. The illuminable articles are pre-arranged for housing miniature led lamp units (not included).

NOTES: rear access terminals with spring quick wiring, no tools necessary.

POWER - WHITE VERSION

GERMAN STANDARD SOCKET-OUTLETS - QUICK WIRING TERMINALS



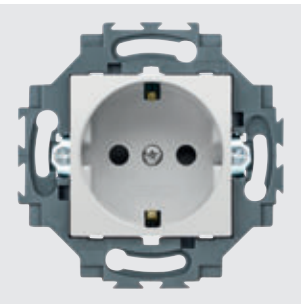
GW 35 206 W

GERMAN STANDARD SOCKET-OUTLET - 250 V AC

| Code | Description | For plug pins | Pack Carton |
|-------------|-------------|---------------|-------------|
| GW 35 206 W | 2P+E - 16A | Ø 4.8 mm | 10/100 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing miniature led lamp units (not included).
NOTES: rear access terminals with spring quick wiring, no tools necessary.

GERMAN STANDARD SOCKET-OUTLETS - SCREW TERMINALS



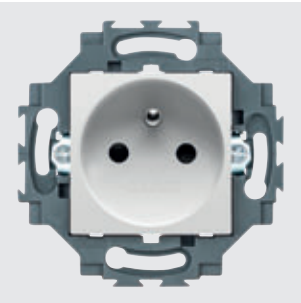
GW 35 207 W

GERMAN STANDARD SOCKET-OUTLETS WITH FRONT TIGHTENING TERMINALS - 250 V AC

| Code | Description | Type | For plug pins | Pack Carton |
|-------------|-------------|----------|---------------|-------------|
| GW 35 207 W | 2P+E - 16A | | Ø 4.8 mm | 10/100 |
| GW 35 203 W | 2P+E - 16A | With lid | Ø 4.8 mm | 10/100 |
| GW 35 204 W | 2P+E - 16A | Double | Ø 4.8 mm | 6/60 |

CHARACTERISTICS: with safety shields. GW35203W equipped with rigid transparent lid with glossy finish and degree of protection IP40 with closed lid. GW35207W and GW35203W pre-arranged for housing miniature led lamp units (not included).
NOTES: front access terminals with screw wiring.

FRENCH STANDARD SOCKET-OUTLETS - QUICK WIRING TERMINALS



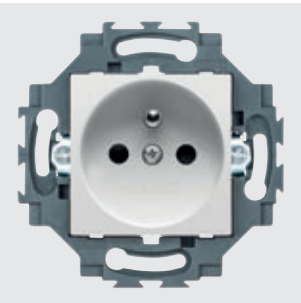
GW 35 216 W

FRENCH STANDARD SOCKET-OUTLET - 250 V AC

| Code | Description | For plug pins | Pack Carton |
|-------------|-------------|---------------|-------------|
| GW 35 216 W | 2P+E - 16A | Ø 4 / 4.8 mm | 10/100 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing miniature led lamp units (not included).
NOTES: rear access terminals with spring quick wiring, no tools necessary.

FRENCH STANDARD SOCKET-OUTLETS - SCREW TERMINALS



GW 35 212 W

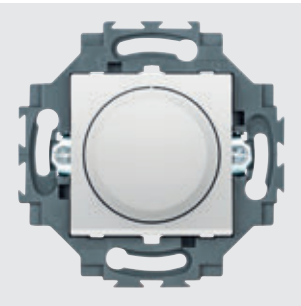
FRENCH STANDARD SOCKET-OUTLETS WITH FRONT TIGHTENING TERMINALS - 250 V AC

| Code | Description | Type | For plug pins | Pack Carton |
|-------------|-------------|----------|---------------|-------------|
| GW 35 212 W | 2P+E - 16A | | Ø 4 / 4.8 mm | 10/100 |
| GW 35 213 W | 2P+E - 16A | With lid | Ø 4 / 4.8 mm | 10/100 |
| GW 35 214 W | 2P+E - 16A | Double | Ø 4 / 4.8 mm | 6/60 |

CHARACTERISTICS: with safety shields. GW35213W equipped with rigid transparent lid with glossy finish and degree of protection IP40 with closed lid. GW35212W and GW35213W pre-arranged for housing miniature led lamp units (not included).
NOTES: front access terminals with screw wiring.

DIMMERS - WHITE VERSION

DIMMERS - SCREW TERMINALS



GW 35 301 W

UNIVERSAL ROTATING ELECTRONIC REGULATOR

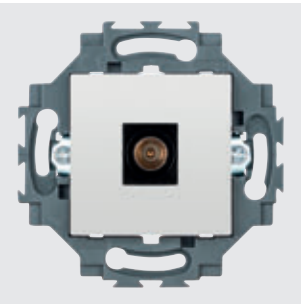
| Code | Supply voltage | Pack Carton |
|-------------|------------------|-------------|
| GW 35 301 W | ③ 230V ac - 50Hz | 6/60 |

CHARACTERISTICS: for the regulation and switching of incandescent and halogen lamps 230V AC (4-160W), electronic transformers (4-160W) and LED lamps 230V AC with dimmer functions (4-160W). Rotary command with two-way switch. Equipped with a replaceable fuse and an orange signalling LED.

DOMESTIC RANGES

DATA - WHITE VERSION

TV SOCKETS



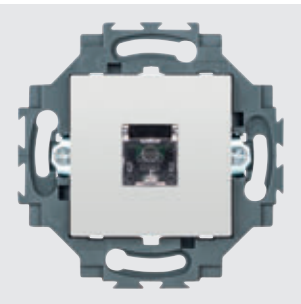
GW 35 261 W

COAXIAL TV SOCKET (5-2400 MHZ), CLASS A SHIELDING - MALE IEC CONNECTOR Ø 9.5 MM

| Code | Description | Attenuation | Pack Carton |
|-------------|-------------|-------------|----------------|
| GW 35 261 W | Direct | 0 dB | 10/100 |

CHARACTERISTICS: allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).
APPLICATIONS: socket-outlet suitable for return channel.

TELEPHONE SOCKETS



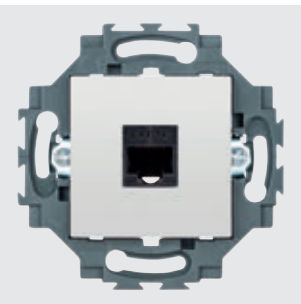
GW 35 251 W

INTERNATIONAL STANDARD TELEPHONE SOCKETS

| Code | Description | Connection | Pack Carton |
|-------------|-------------|--------------------|----------------|
| GW 35 251 W | RJ11 | Screw-on terminals | 10/100 |

APPLICATIONS: telephone, telefax, modem.

DATA SOCKETS

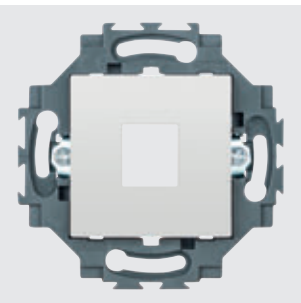


GW 35 271 W

RJ45 SOCKETS

| Code | Description | Number pairs | Use category | Cables | Connection | Pack Carton |
|-------------|-------------|-----------------|-----------------|--------|------------|----------------|
| GW 35 271 W | RJ45 | 4 | 5e | UTP | Toolless | 10/100 |
| GW 35 272 W | RJ45 | 4 | 5e | FTP | Toolless | 10/100 |
| GW 35 273 W | RJ45 | 4 | 6 | UTP | Toolless | 10/100 |
| GW 35 274 W | RJ45 | 4 | 6 | FTP | Toolless | 10/100 |

APPLICATIONS: LAN networks up to 100 MHz (e.g. Ethernet or Token Ring networks) for cat. 5e; LAN networks up to 250 MHz (e.g. video conference or video control systems) for cat. 6.



GW 35 280 W

ADAPTER FOR HOUSING DATA CONNECTORS

| Code | Compatibility | Pack Carton |
|-------------|---------------------|----------------|
| GW 35 280 W | AMP / Keystone Jack | 10/100 |

NOTES: with regard to the technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the connector and the Gewiss adapter.

USB AND HDMI COUPLERS



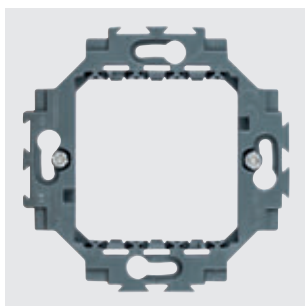
GW 38 056

USB AND HDMI COUPLERS

| Code | Description | Type | Compatibility | Pack Carton |
|-----------|--------------|------------------------|---------------|-------------|
| GW 38 056 | HDMI coupler | Female/Female | Keystone Jack | 1/48 |
| GW 38 057 | USB coupler | Female/Female - A type | Keystone Jack | 1/48 |

NOTE: for adapters (Chorus, System, Dahlia) with Keystone Jack coupling and for patch-panels.

SUPPORT FOR CHORUS MODULAR DEVICES



GW 35 991

SUPPORT

| Code | Description | Fixing | Pack Carton |
|-----------|-------------------|----------------------|-------------|
| GW 35 991 | For Dahlia plates | With clutches/Screws | 20/200 |

CHARACTERISTICS: support equipped with fixing clutches, also pre-arranged for screw fixing.

APPLICATIONS: suitable for Chorus modular devices.

ACCESSORIES



GW 35 981

MINIATURE LED LAMP UNIT

| Code | Lamp voltage | Colour | Power | Pack Carton |
|-----------|--------------------|--------|-------|-------------|
| GW 35 981 | 230V ac - 50/60 Hz | Amber | 0.6 W | 50/500 |

NOTES: the miniature led lamps are supplied with power supply cables (length 10 cm).

APPLICATIONS: suitable for housing into backlit and illuminable switches and single socket-outlets.



GW 35 986

LENS WITH ILLUMINATED SYMBOLS

| Code | Description | Pack Carton |
|-----------|-------------|-------------|
| GW 35 986 | ② Lens kit | 1/50 |

NOTES: to be used in place of the neutral lens in the command devices.

The kit includes: 10 pieces of lens with the "Light" symbol, 10 pieces with the "Stair light" symbol, 10 pieces with the "Key" symbol and 10 pieces with the "Bell" symbol.



GW 35 996

PROTECTIVE COVER FOR PAINTING

| Code | Description | Colour | Pack Carton |
|-----------|-------------|-------------|----------------|
| GW 35 996 | ② 1 gang | Transparent | 50/500 |

CHARACTERISTICS. total protection during painting and finishing operations.
NOTES: snap-in mounting to facilitate assembly and removal operation.



GW 35 911

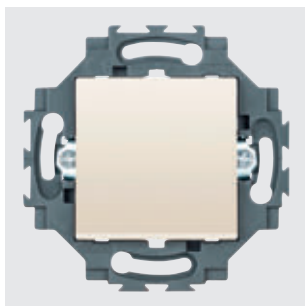
WALL-MOUNTING BOXES FOR DAHLIA PLATES

| Code | Description | Colour | Pack Carton |
|-----------|-------------|--------|----------------|
| GW 35 911 | ② 1 gang | White | 1/20 |
| GW 35 912 | ② 2 gang | White | 1/10 |

CHARACTERISTICS: plate not included. GW35911 requires a Dahlia 1 gang plate (GW35901xx); GW35912 requires a Dahlia 2 gang plate (GW35902xx).

COMMAND - IVORY VERSION

COMMAND DEVICES - QUICK WIRING TERMINALS



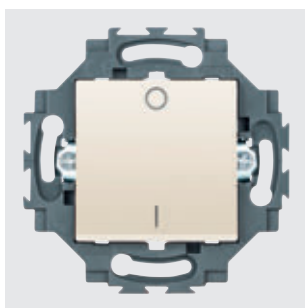
GW 35 001 Y

ONE-WAY SWITCHES 1P - 250 V AC

| Code | Description | Button key | Pack Carton |
|---------------|-----------------------|-------------------------------|-------------|
| GW 35 001 Y | 1P - 10AX illuminable | Neutral | 10/100 |
| GW 35 002 Y | 1P - 10 AX backlit | Neutral | 10/100 |
| GW 35 006 Y ② | 1P - 10 AX backlit | With replaceable neutral lens | 10/100 |

CHARACTERISTICS: the backlit articles include miniature lamp units with amber led lamp. The illuminable articles are pre-arranged for housing miniature led lamp units (not included).

NOTES: rear access terminals with spring quick wiring, no tools necessary.



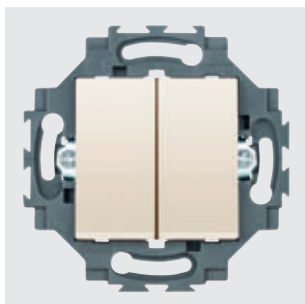
GW 35 003 Y

ONE-WAY SWITCH 2P - 250 V AC

| Code | Description | Button key | Symbol | Pack Carton |
|-------------|-----------------------|------------|--------|-------------|
| GW 35 003 Y | 2P - 10AX illuminable | Neutral | 0/1 | 10/100 |

CARATTERISTICHE: the illuminable articles are pre-arranged for housing miniature led lamp units (not included).

NOTES: rear access terminals with spring quick wiring, no tools necessary.

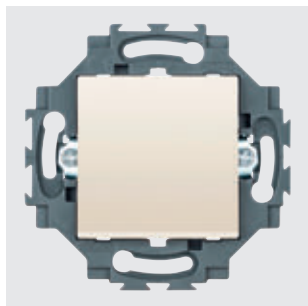


GW 35 051 Y

DOUBLE ONE-WAY SWITCH 1P - 250 V AC

| Code | Description | Button key | Pack Carton |
|-------------|-------------------|------------|-------------|
| GW 35 051 Y | Double 1P - 10 AX | Neutral | 10/100 |

NOTES: rear access terminals with spring quick wiring, no tools necessary.



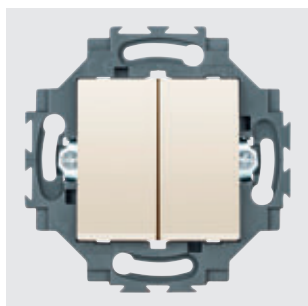
GW 35 011 Y

TWO-WAY SWITCHES 1P - 250 V AC

| Code | Description | Button key | Pack Carton |
|-------------|-----------------------|-------------------------------|----------------|
| GW 35 011 Y | 1P - 10AX illuminable | Neutral | 10/100 |
| GW 35 012 Y | 1P - 10 AX backlit | Neutral | 10/100 |
| GW 35 016 Y | ② 1P - 10 AX backlit | With replaceable neutral lens | 10/100 |

CHARACTERISTICS: the backlit articles include miniature lamp units with amber led lamp. The illuminable articles are pre-arranged for housing miniature led lamp units (not included).

NOTES: rear access terminals with spring quick wiring, no tools necessary.

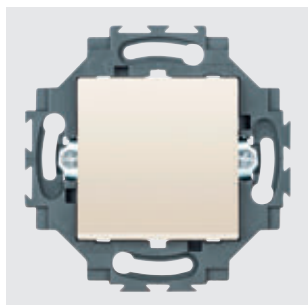


GW 35 052 Y

DOUBLE TWO-WAY SWITCH 1P - 250 V AC

| Code | Description | Button key | Pack Carton |
|-------------|-------------------|------------|----------------|
| GW 35 052 Y | Double 1P - 10 AX | Neutral | 10/100 |

NOTES: rear access terminals with spring quick wiring, no tools necessary.

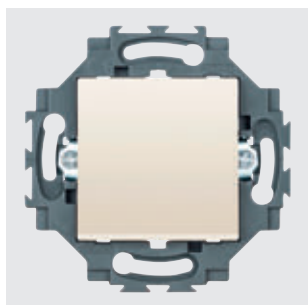


GW 35 015 Y

INTERMEDIATE SWITCH 1P - 250 V AC

| Code | Description | Button key | Pack Carton |
|-------------|-------------|------------|----------------|
| GW 35 015 Y | 1P - 10AX | Neutral | 10/100 |

NOTES: rear access terminals with spring quick wiring, no tools necessary.



GW 35 021 Y

PUSH-BUTTONS 1P - 250 V AC

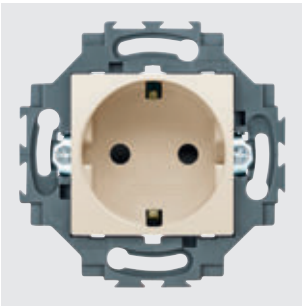
| Code | Description | Button key | Pack Carton |
|-------------|----------------------|-------------------------------|----------------|
| GW 35 021 Y | 1P - 10A illuminable | Neutral | 10/100 |
| GW 35 022 Y | 1P - 10 A backlit | Neutral | 10/100 |
| GW 35 026 Y | ② 1P - 10 A backlit | With replaceable neutral lens | 10/100 |

CHARACTERISTICS: the backlit articles include miniature lamp units with amber led lamp. The illuminable articles are pre-arranged for housing miniature led lamp units (not included).

NOTES: rear access terminals with spring quick wiring, no tools necessary.

POWER - IVORY VERSION

GERMAN STANDARD SOCKET-OUTLETS - QUICK WIRING TERMINALS



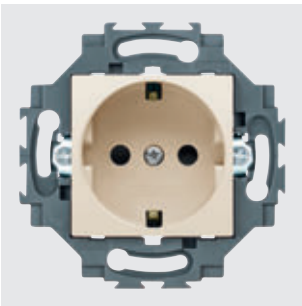
GW 35 201 Y

GERMAN STANDARD SOCKET-OUTLET - 250 V AC

| Code | Description | For plug pins | Pack Carton |
|-------------|-------------|---------------|-------------|
| GW 35 201 Y | 2P+E - 16A | Ø 4.8 mm | 10/100 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing miniature led lamp units (not included).
NOTES: rear access terminals with spring quick wiring, no tools necessary.

GERMAN STANDARD SOCKET-OUTLETS - SCREW TERMINALS



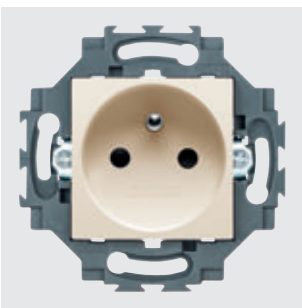
GW 35 202 Y

GERMAN STANDARD SOCKET-OUTLETS WITH FRONT TIGHTENING TERMINALS - 250 V AC

| Code | Description | Type | For plug pins | Pack Carton |
|-------------|-------------|----------|---------------|-------------|
| GW 35 202 Y | 2P+E - 16A | | Ø 4.8 mm | 10/100 |
| GW 35 203 Y | 2P+E - 16A | With lid | Ø 4.8 mm | 10/100 |
| GW 35 204 Y | 2P+E - 16A | Double | Ø 4.8 mm | 6/60 |

CHARACTERISTICS: with safety shields. GW35203Y equipped with rigid transparent lid with glossy finish and degree of protection IP40 with closed lid. GW35202Y and GW35203Y pre-arranged for housing miniature led lamp units (not included).
NOTES: front access terminals with screw wiring.

FRENCH STANDARD SOCKET-OUTLETS - QUICK WIRING TERMINALS



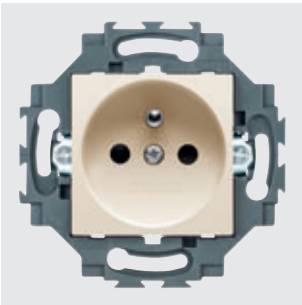
GW 35 211 Y

FRENCH STANDARD SOCKET-OUTLET - 250 V AC

| Code | Description | For plug pins | Pack Carton |
|-------------|-------------|---------------|-------------|
| GW 35 211 Y | 2P+E - 16A | Ø 4 / 4.8 mm | 10/100 |

CHARACTERISTICS: with safety shields. Pre-arranged for housing miniature led lamp units (not included).
NOTES: rear access terminals with spring quick wiring, no tools necessary.

FRENCH STANDARD SOCKET-OUTLETS - SCREW TERMINALS



GW 35 212 Y

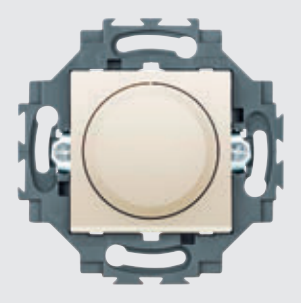
FRENCH STANDARD SOCKET-OUTLETS WITH FRONT TIGHTENING TERMINALS - 250 V AC

| Code | Description | Type | For plug pins | Pack Carton |
|-------------|-------------|----------|---------------|-------------|
| GW 35 212 Y | 2P+E - 16A | | Ø 4 / 4.8 mm | 10/100 |
| GW 35 213 Y | 2P+E - 16A | With lid | Ø 4 / 4.8 mm | 10/100 |
| GW 35 214 Y | 2P+E - 16A | Double | Ø 4 / 4.8 mm | 6/60 |

CHARACTERISTICS: with safety shields. GW35213Y equipped with rigid transparent lid with glossy finish and degree of protection IP40 with closed lid. GW35212Y and GW35213Y pre-arranged for housing miniature led lamp units (not included).
NOTES: front access terminals with screw wiring.

DIMMERS - IVORY VERSION

DIMMERS - SCREW TERMINALS



GW 35 301 Y

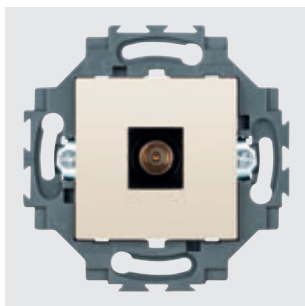
UNIVERSAL ROTATING ELECTRONIC REGULATOR

| Code | Supply voltage | Pack Carton |
|-------------|------------------|-------------|
| GW 35 301 Y | ③ 230V ac - 50Hz | 6/60 |

CHARACTERISTICS: for the regulation and switching of incandescent and halogen lamps 230V AC (4-160W), electronic transformers (4-160W) and LED lamps 230V AC with dimmer functions (4-160W). Rotary command with two-way switch. Equipped with a replaceable fuse and an orange signalling LED.

DATA - IVORY VERSION

TV SOCKETS



GW 35 261 Y

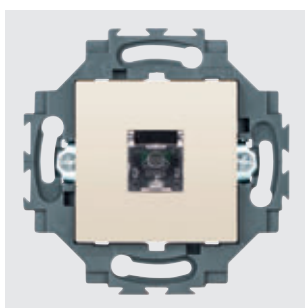
COAXIAL TV SOCKET (5-2400 MHZ), CLASS A SHIELDING - MALE IEC CONNECTOR Ø 9.5 MM

| Code | Description | Attenuation | Pack Carton |
|-------------|-------------|-------------|-------------|
| GW 35 261 Y | Direct | 0 dB | 10/100 |

CHARACTERISTICS: allows the passage of voltage/current of remote power supply and/or control signals towards the user port (max 24V - 500 mA).

APPLICATIONS: socket-outlet suitable for return channel.

TELEPHONE SOCKETS



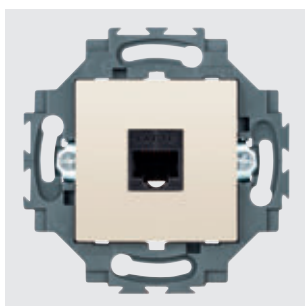
GW 35 251 Y

INTERNATIONAL STANDARD TELEPHONE SOCKETS

| Code | Description | Connection | Pack Carton |
|-------------|-------------|--------------------|-------------|
| GW 35 251 Y | RJ11 | Screw-on terminals | 10/100 |

APPLICATIONS: telephone, telefax, modem.

DATA SOCKETS

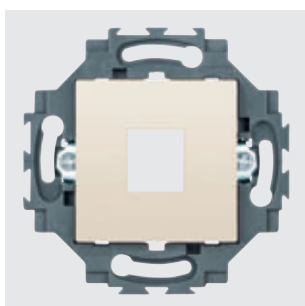


GW 35 271 Y

RJ45 SOCKETS

| Code | Description | Number pairs | Use category | Cables | Connection | Pack Carton |
|-------------|-------------|--------------|--------------|--------|------------|-------------|
| GW 35 271 Y | RJ45 | 4 | 5e | UTP | Toolless | 10/100 |
| GW 35 272 Y | RJ45 | 4 | 5e | FTP | Toolless | 10/100 |
| GW 35 273 Y | RJ45 | 4 | 6 | UTP | Toolless | 10/100 |
| GW 35 274 Y | RJ45 | 4 | 6 | FTP | Toolless | 10/100 |

APPLICATIONS: LAN networks up to 100 MHz (e.g. Ethernet or Token Ring networks) for cat. 5e; LAN networks up to 250 MHz (e.g. video conference or video control systems) for cat. 6.



GW 35 280 Y

ADAPTER FOR HOUSING DATA CONNECTORS

| Code | Compatibility | Pack Carton |
|-------------|---------------------|-------------|
| GW 35 280 Y | AMP / Keystone Jack | 10/100 |

NOTES: with regard to the technological developments and dimensional variants introduced by connector manufacturers, you are advised to check in advance the full compatibility between the connector and the Gewiss adapter.

USB AND HDMI COUPLERS



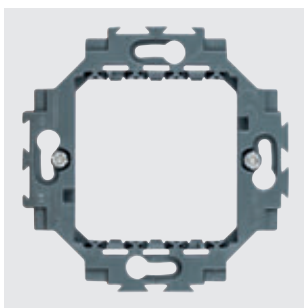
GW 38 056

USB AND HDMI COUPLERS

| Code | Description | Type | Compatibility | Pack Carton |
|-----------|--------------|------------------------|---------------|-------------|
| GW 38 056 | HDMI coupler | Female/Female | Keystone Jack | 1/48 |
| GW 38 057 | USB coupler | Female/Female - A type | Keystone Jack | 1/48 |

NOTE: for adapters (Chorus, System, Dahlia) with Keystone Jack coupling and for patch-panels.

SUPPORT FOR CHORUS MODULAR DEVICES



GW 35 991

SUPPORT

| Code | Description | Fixing | Pack Carton |
|-----------|-------------------|----------------------|-------------|
| GW 35 991 | For Dahlia plates | With clutches/Screws | 20/200 |

CHARACTERISTICS: support equipped with fixing clutches, also pre-arranged for screw fixing.

APPLICATIONS: suitable for Chorus modular devices.

ACCESSORIES



GW 35 981

MINIATURE LED LAMP UNIT

| Code | Lamp voltage | Colour | Power | Pack Carton |
|-----------|--------------------|--------|-------|-------------|
| GW 35 981 | 230V ac - 50/60 Hz | Amber | 0.6 W | 50/500 |

NOTES: the miniature led lamps are supplied with power supply cables (length 10 cm).

APPLICATIONS: suitable for housing into backlit and illuminable switches and single socket-outlets.



GW 35 986

LENS WITH ILLUMINATED SYMBOLS

| Code | Description | Pack Carton |
|-----------|-------------|-------------|
| GW 35 986 | ② Lens kit | 1/50 |

NOTES: to be used in place of the neutral lens in the command devices.

The kit includes: 10 pieces of lens with the "Light" symbol, 10 pieces with the "Stair light" symbol, 10 pieces with the "Key" symbol and 10 pieces with the "Bell" symbol.



GW 35 996

PROTECTIVE COVER FOR PAINTING

| Code | Description | Colour | Pack Carton |
|-----------|-------------|-------------|----------------|
| GW 35 996 | ② 1 gang | Transparent | 50/500 |

CHARACTERISTICS: total protection during painting and finishing operations.
NOTES: snap-in mounting to facilitate assembly and removal operation.



GW 35 911

WALL-MOUNTING BOXES FOR DAHLIA PLATES

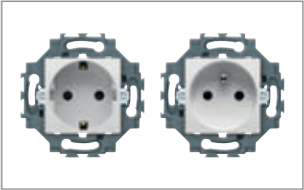
| Code | Description | Colour | Pack Carton |
|-----------|-------------|--------|----------------|
| GW 35 911 | ② 1 gang | White | 1/20 |
| GW 35 912 | ② 2 gang | White | 1/10 |

CHARACTERISTICS: plate not included. GW35911 requires a Dahlia 1 gang plate (GW35901xx); GW35912 requires a Dahlia 2 gang plate (GW35902xx).

Dahlia

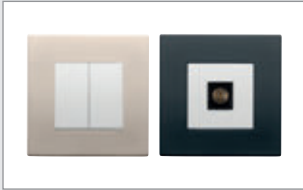


DAHLIA RANGE



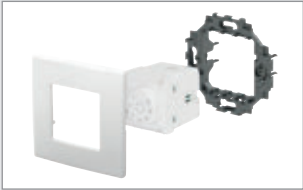
The Dahlia monobloc devices have been developed for those countries where round boxes are typically used. A wide range of devices available in white and ivory colors, with glossy finish, expandable for enhanced functions thanks to the Chorus modular devices.

DAHLIA PLATES



A wide choice of plates, realized in technopolymer in seven colors with glossy finish and in many modularities, installable indifferently in horizontal or in vertical position. A special plate has been designed for the double German and French socket-outlets.

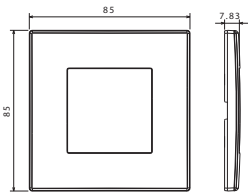
EXPANDABLE WITH CHORUS



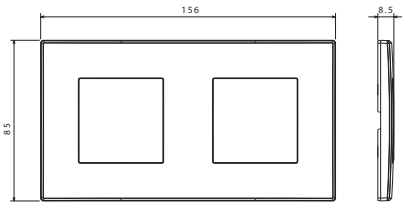
The special frame support allows the integration of the Dahlia range with the Chorus modular devices, picking up whatever Chorus device you should need. The support has to be completed with Dahlia plates.

Dimension tables

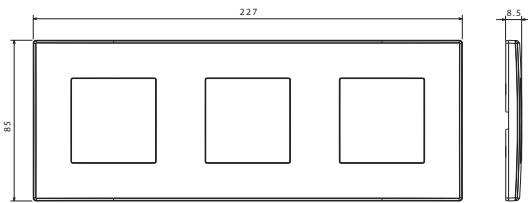
DAHLIA PLATES



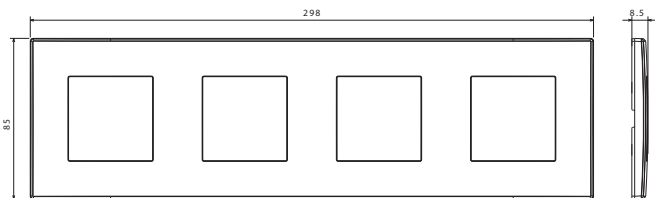
1 gang
GW 35 901 xx



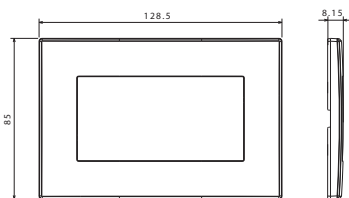
2 gang
GW 35 902 xx



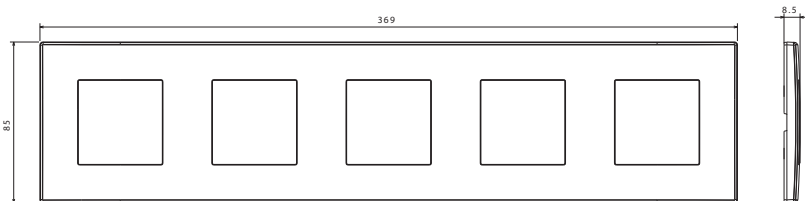
3 gang
GW 35 903 xx



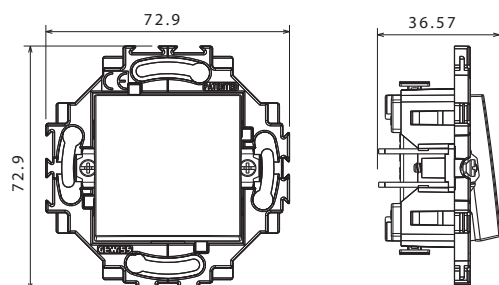
4 gang
GW 35 904 xx



For double sockets
GW 35 909 xx



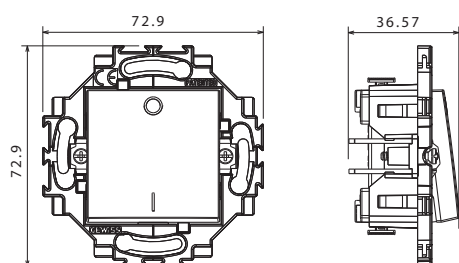
5 gang
GW 35 905 xx

DAHLIA DEVICES


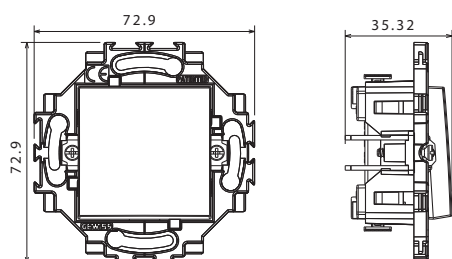
One-way switch - illuminable (screwless)
GW 35 031 W - GW 35 001 Y

Two-way switch - illuminable (screwless)
GW 35 071 W - GW 35 011 Y

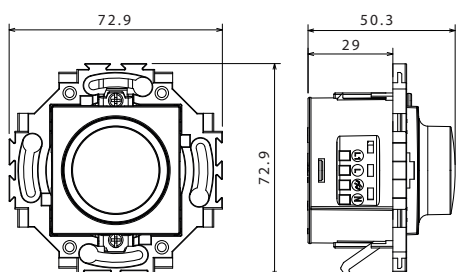
Intermediate switch (screwless)
GW 35 015 W - GW 35 015 Y



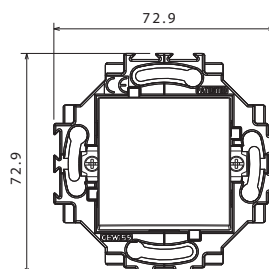
One-way switch 2P - illuminable (screwless)
GW 35 003 W - GW 35 003 Y



Push-button - illuminable (screwless)
GW 35 021 W - GW 35 021 Y

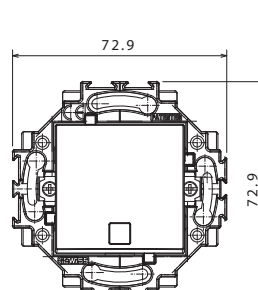
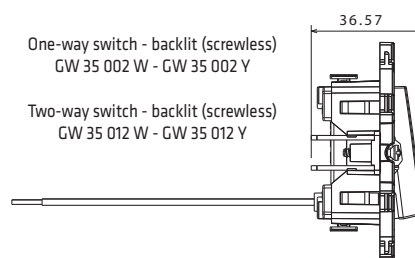


Universal dimmer (screw)
GW 35 301 W - GW 35 301 Y



One-way switch - backlit (screwless)
GW 35 002 W - GW 35 002 Y

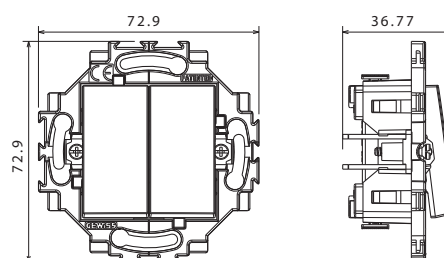
Two-way switch - backlit (screwless)
GW 35 012 W - GW 35 012 Y



One-way switch with lens - backlit (screwless)
GW 35 006 W - GW 35 006 Y

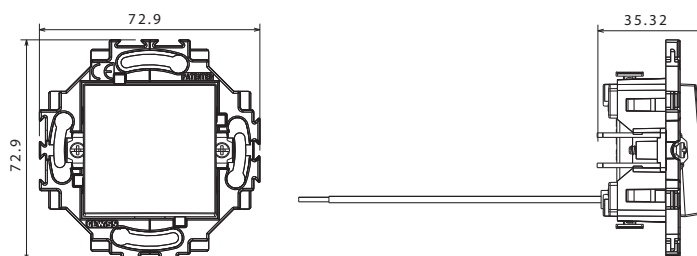
Two-way switch with lens - backlit (screwless)
GW 35 016 W - GW 35 016 Y

Push-button with lens - backlit (screwless)
GW 35 026 W - GW 35 026 Y



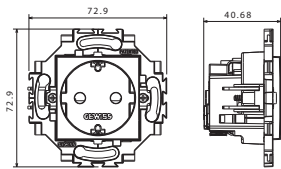
Double one-way switch (screwless)
GW 35 051 W - GW 35 051 Y

Double two-way switch (screwless)
GW 35 052 W - GW 35 052 Y

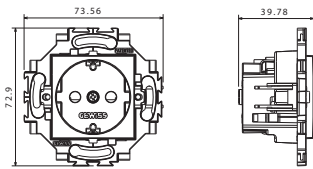


Push-button - backlit (screwless)
GW 35 022 W - GW 35 022 Y

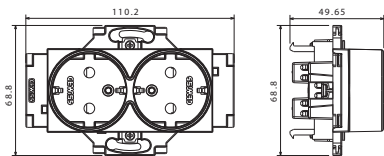
DAHLIA DEVICES



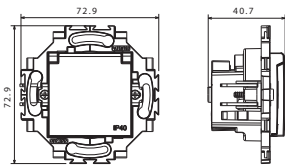
German std socket-outlet (screwless)
GW 35 206 W - GW 35 201 Y



German std socket-outlet (screw)
GW 35 207 W - GW 35 202 Y

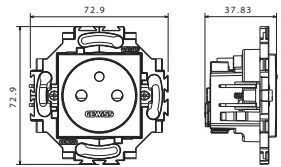


Double German std socket-outlet (screw)
GW 35 204 W - GW 35 204 Y

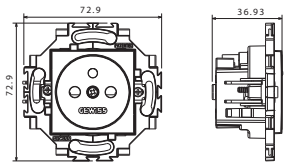


German std socket-outlet with lid IP40 (screw)
GW 35 203 W - GW 35 203 Y

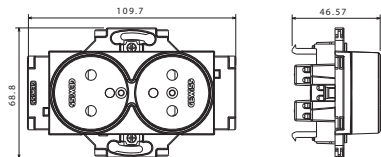
French std socket-outlet with lid IP40 (screw)
GW 35 213 W - GW 35 213 Y



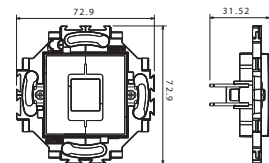
French std socket-outlet (screwless)
GW 35 216 W - GW 35 211 Y



French std socket-outlet (screw)
GW 35 212 W - GW 35 212 Y

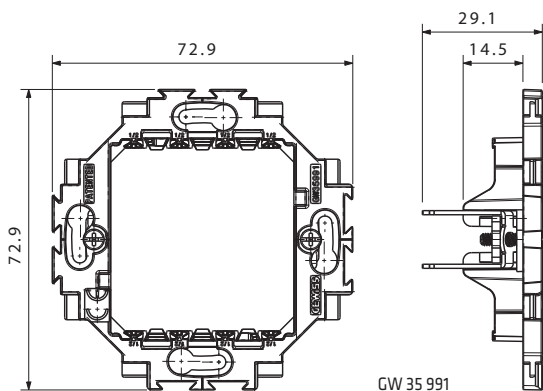


Double French std socket-outlet (screw)
GW 35 214 W - GW 35 214 Y

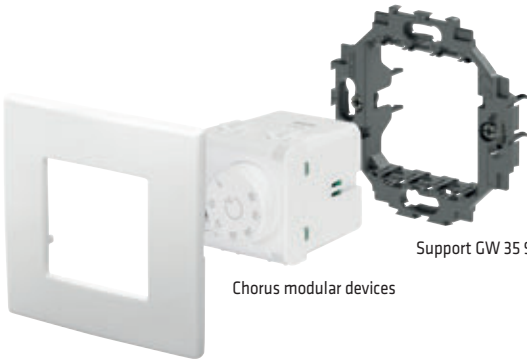


Keystone Jack empty enclosure
GW 35 280 W - GW 35 280 Y

DAHLIA ACCESSORIES



















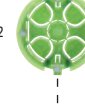



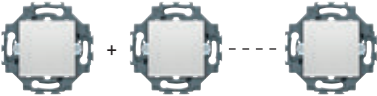















GW 35 991



Support GW 35 991

Chorus modular devices

DAHLIA plates

| BOXES (*) | DEVICES | PLATES |
|--|---|---|
|  GW 24 234 PM  GW 24 232  GW 24 208  GW 24 209 |   |  1 gang  double |
|  1 GW 24 234 PM  2  5  1 GW 24 232  2  5  1 GW 24 234 PM  1 GW 24 232  2  2  5 GW 24 234 PM  5 GW 24 232 |   +   |  2 gang  3 gang  4 gang  5 gang |
| Integration with Chorus modular devices  GW 24 234 PM  GW 24 232  GW 24 208  GW 24 209 |  GW 35 991 (**)  1 x 2 module (*)  2 x 1 module (***) <p>(***) From Chorus modular devices range</p> |  1 gang |

(*) GW 24 231 Flush-mounting square boxes can be used only with screws (not with clutches)

(**) The support GW 35 991 can be used individually or in array configuration, also in combination with the monobloc devices

Domotic solutions

Chorus RF

WIRELESS DEVICES



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System RF

WIRELESS DEVICES



pag. 482

Home Automation

KNX EASY BUS



pag. 491



































Building Automation

KNX BUS





pag. 516










Chorus RF

| COMMAND DEVICES | | | | | |
|--|--|--|--|--|---|
| ONE |  GW 10 801 |  GW 12 801 |  GW 14 801 | RF push-button panels for commands transmission. Wall-mounting. | 1-channel RF and 2-position command button key for sending differentiated messages. To be paired with the CHORUS RF actuators. Power supply by means of 2 1,5 V AAA alkaline batteries. |
| LUX |  GW 10 806 |  GW 12 806 |  GW 14 806 | | |
| ONE |  GW 10 802 |  GW 12 802 |  GW 14 802 | | 2-channels RF and 2-position command button keys for sending differentiated messages. To be paired with the CHORUS RF actuators. Power supply by means of 2 1,5 V AAA alkaline batteries. |
| LUX |  GW 10 807 |  GW 12 807 |  GW 14 807 | | |
| ONE |  GW 10 803 |  GW 12 803 |  GW 14 803 | | 3-channels RF and 2-position command button keys for sending differentiated messages. To be paired with the CHORUS RF actuators. Power supply by means of 2 1,5 V AAA alkaline batteries. |
| LUX |  GW 10 808 |  GW 12 808 |  GW 14 808 | | |
| ONE |  GW 10 804 |  GW 12 804 |  GW 14 804 | | 4-channels RF and 2-position command button keys for sending differentiated messages. To be paired with the CHORUS RF actuators. Power supply by means of 2 1,5 V AAA alkaline batteries. |
| LUX |  GW 10 809 |  GW 12 809 |  GW 14 809 | | |
|  GW 20 963 | | | | RF remote control. | 3-channels RF. 2 command button keys for each channel to send the differentiated commands. To be paired with the CHORUS RF actuators. Power supply by means of 2 1,5 V AAA alkaline batteries. |
|  GW 10 813  GW 12 813  GW 14 813 | | | | 2-channels RF input modules. | 2-channels RF. To connect the potential-free contacts. Sends the RF messages based on the input status. To be paired with the CHORUS RF actuators. 230 V ac power supply. 1 CHORUS module. |
| SENSORS | | | | | |
| ONE |  GW 10 811 |  GW 12 811 |  GW 14 811 | RF IR movement detectors with twilight sensor. Wall-mounting. | 3-channels RF (IR, twilight and IR + twilight). To be paired with the CHORUS RF actuators for general loads. Power supply by means of 3 1,5 V AAA alkaline batteries. |
| LUX |  GW 10 816 |  GW 12 816 |  GW 14 816 | | |










TEMPERATURE ADJUSTMENT

| | | | |
|--|--|---|---|
|  <p>GW 10 841</p> |  <p>GW 14 841</p> | <p>RF timed thermostats. Wall-mounting.</p> | <p>1-channel RF. To command the boilers, solenoid valves, electrical heating elements, fan coils, etc.. To be paired with the CHORUS RF actuators for general loads. Power supply by means of 3 1,5 V AAA alkaline batteries.</p> |
|--|--|---|---|

ACTUATORS

| | | | | |
|--|--|--|--|--|
|  <p>GW 10 821</p> |  <p>GW 12 821</p> |  <p>GW 14 821</p> | <p>Output RF modules for general loads.</p> | <p>1 output contact 3 A (AC1)/2 A (AC15) with potential 230 V ac. To be paired with the CHORUS RF command devices. Manual activation by means of front button key or inputs to connect potential-free contact (e.g. one-way switches or standard push-buttons). Monostable, bistable or timed functioning. 230 V ac power supply. 1 CHORUS module.</p> |
|  <p>GW 10 822</p> |  <p>GW 12 822</p> |  <p>GW 14 822</p> | | <p>1 potential-free output contact 16 A (AC1)/10 A (AC15). To be paired with the CHORUS RF command devices. Manual activation by means of front button key or inputs to connect potential-free contact (e.g. one-way switches or standard push-buttons). Monostable, bistable or timed functioning. 230 V ac power supply. 2 CHORUS modules.</p> |
|  <p>GW 10 823</p> |  <p>GW 12 823</p> |  <p>GW 14 823</p> | <p>Output RF modules for roller shutter.</p> | <p>2 output contacts 8 A (AC1)/3 A (AC15) with potential 230 V ac for moving roller shutters, awnings, etc.. To be paired with the CHORUS RF command devices. Manual activation by means of front button keys or inputs to connect potential-free contacts (e.g. standard push-buttons). 230 V ac power supply. 2 CHORUS modules.</p> |

ACCESSORIES

| | | | | |
|--|--|--|---|--|
|  <p>GW 10 831</p> |  <p>GW 12 831</p> |  <p>GW 14 831</p> | <p>RF signal repeaters with output contact.</p> | <p>1 potential-free output contact 16 A (AC1)/10 A (AC15). 16 transmission/reception channels. To be used when communication between the control device and the actuator is difficult due to obstacles or excessive distance. 230 V ac power supply. 2 CHORUS modules.</p> |
|  <p>GW 10 776</p> |  <p>GW 12 776</p> |  <p>GW 14 776</p> | <p>RF EASY receivers.</p> | <p>8 reception channels. To be used for interfacing the command devices with the actuators of the KNX/EASY system. 2 CHORUS modules.</p> |
|  <p>GW 10 798</p> |  <p>GW 12 798</p> |  <p>GW 14 798</p> | <p>RF KNX receivers.</p> | |

Chorus RF

Wireless devices

System of command and control devices with communication protocol, featuring wireless technology to integrate with existing electrical systems, enhancing functionality and allowing for the creation of exclusive comfort solutions (lighting adjustment, roller shutters, temperature adjustment, etc.), without requiring masonry work. The range allows for full functional and aesthetic integration with devices and plates from the CHORUS domestic range.



Technical characteristics page 477

COMMANDS AND ACTUATORS

COMMAND DEVICES



GW 14 803

RF PUSH-BUTTON PANELS - WALL-MOUNTING - ONE PLATE

| Code | No. channels | N. command push-buttons | RF range in free field | Dimensions LxHxD (mm) | Pack Carton |
|------------------|--------------|-------------------------|------------------------|-----------------------|-------------|
| Colour: White | | | | | |
| GW 10 801 | 1 | 1 | 100 m | 118x90x20 mm | 1 |
| GW 10 802 | 2 | 2 | 100 m | 118x90x20 mm | 1 |
| GW 10 803 | 3 | 3 | 100 m | 118x90x20 mm | 1 |
| GW 10 804 | 4 | 4 | 100 m | 140x90x20 mm | 1 |
| Colour: Black | | | | | |
| GW 12 801 | 1 | 1 | 100 m | 118x90x20 mm | 1 |
| GW 12 802 | 2 | 2 | 100 m | 118x90x20 mm | 1 |
| GW 12 803 | 3 | 3 | 100 m | 118x90x20 mm | 1 |
| GW 12 804 | 4 | 4 | 100 m | 140x90x20 mm | 1 |
| Colour: Titanium | | | | | |
| GW 14 801 | 1 | 1 | 100 m | 118x90x20 mm | 1 |
| GW 14 802 | 2 | 2 | 100 m | 118x90x20 mm | 1 |
| GW 14 803 | 3 | 3 | 100 m | 118x90x20 mm | 1 |
| GW 14 804 | 4 | 4 | 100 m | 140x90x20 mm | 1 |

CHARACTERISTICS: Powered by 2x1.5V AAA alkaline batteries, not supplied. Average battery life: 2 years.
White: white button keys and milk white ONE-type plate.
Black: black button keys and titanium ONE-type plate.
Titanium: titanium button keys and titanium ONE-type plate.
Interchangeability with the entire colour range of ONE plates.
NOTES: two distinct command positions correspond to each button key. includes kit for wall mounting, containing: 2 strips of double-sided adhesive tape, 2 wall plugs ø 6mm including screws, 1 insulating film (to be positioned in the battery compartment when using metallised plates).



GW 14 808

RF PUSH-BUTTON PANELS - WALL-MOUNTING - LUX PLATE

| Code | No. channels | N. command push-buttons | RF range in free field | Dimensions LxHxD (mm) | Pack Carton |
|------------------|--------------|-------------------------|------------------------|-----------------------|-------------|
| Colour: White | | | | | |
| GW 10 806 | 1 | 1 | 100 m | 123x95x20 mm | 1 |
| GW 10 807 | 2 | 2 | 100 m | 123x95x20 mm | 1 |
| GW 10 808 | 3 | 3 | 100 m | 123x95x20 mm | 1 |
| GW 10 809 | 4 | 4 | 100 m | 145.2x95x20 mm | 1 |
| Colour: Black | | | | | |
| GW 12 806 | 1 | 1 | 100 m | 123x95x20 mm | 1 |
| GW 12 807 | 2 | 2 | 100 m | 123x95x20 mm | 1 |
| GW 12 808 | 3 | 3 | 100 m | 123x95x20 mm | 1 |
| GW 12 809 | 4 | 4 | 100 m | 145.2x95x20 mm | 1 |
| Colour: Titanium | | | | | |
| GW 14 806 | 1 | 1 | 100 m | 123x95x20 mm | 1 |
| GW 14 807 | 2 | 2 | 100 m | 123x95x20 mm | 1 |
| GW 14 808 | 3 | 3 | 100 m | 123x95x20 mm | 1 |
| GW 14 809 | 4 | 4 | 100 m | 145.2x95x20 mm | 1 |

CHARACTERISTICS: Powered by 2x1.5V AAA alkaline batteries, not supplied. Average battery life: 2 years.
White: white button keys and milk white LUX-type plate.
Black: black button keys and titanium LUX-type plate.
Titanium: titanium button keys and titanium LUX-type plate.
Interchangeability with the entire colour range of LUX plates.
NOTES: two distinct command positions correspond to each button key.
Includes kit for wall-mounting, containing: two strips of double-sided adhesive tape, two ø 6mm wall plugs with screws, and one insulating film (to be positioned in the battery compartment when using metallised plates).



GW 20 963

RF REMOTE CONTROL

| Code | No. of channels | N. command push-buttons | RF range in free field | Colour | Dimensions LxHxD (mm) | Pack Carton |
|------------------|-----------------|-------------------------|------------------------|--------|-----------------------|-------------|
| GW 20 963 | 3 | 6 | 100 m | Black | 120x45x20 | 1 |

CHARACTERISTICS: Powered by 2x1.5V AAA alkaline batteries, not supplied. Average battery life: 3 years.

For each channel, two command keys are available.

NOTES: includes the support for wall-mounting, 2 wall plugs and screws.



GW 14 813

RF 2-CHANNEL INPUT

| Code | Colour | Supply voltage | RF range in free field | No. input channels | No. Chorus modules | Pack Carton |
|------------------|----------|----------------|------------------------|--------------------|--------------------|-------------|
| GW 10 813 | White | 230V ac - 50Hz | 100 m | 2 | 1 | 1 |
| GW 12 813 | Black | 230V ac - 50Hz | 100 m | 2 | 1 | 1 |
| GW 14 813 | Titanium | 230V ac - 50Hz | 100 m | 2 | 1 | 1 |

CHARACTERISTICS: input channel for potential-free contacts. To be positioned in the supports of the Chorus range.

NOTES: inputs fitted with cables L = 200mm x 0.75mm² for connecting conventional command devices.

SENSORS



GW 14 811

RF IR MOVEMENT DETECTORS WITH TWILIGHT SENSOR - WALL-MOUNTING - ONE PLATE

| Code | Colour | Range of action | Threshold adjustment | RF range in free field | Dimensions LxHxD (mm) | Pack Carton |
|-----------|----------|-----------------|----------------------|------------------------|-----------------------|-------------|
| GW 10 811 | White | 8 m | 5 - 1000 lux | 100 m | 118x90x20 mm | 1 |
| GW 12 811 | Black | 8 m | 5 - 1000 lux | 100 m | 118x90x20 mm | 1 |
| GW 14 811 | Titanium | 8 m | 5 - 1000 lux | 100 m | 118x90x20 mm | 1 |

CHARACTERISTICS: Powered by 3x1.5V AAA alkaline batteries, not supplied. Average battery life: 3 years.
White: white button keys and milk white ONE-type plate.
Black: black button keys and titanium ONE-type plate.
Titanium: titanium button keys and titanium ONE-type plate.
Interchangeability with the entire colour range of ONE plates.
NOTES: to be used with the actuators GW10821-GW12821-GW14821, GW10822-GW12822-GW14822.
The operating mode (IR, twilight, IR + twilight) can be selected by means of the dip-switch. Includes kit for wall-mounting, containing: two strips of double-sided adhesive tape, two ø 6mm wall plugs with screws, and one insulating film (to be positioned in the battery compartment when using metallised plates).



GW 14 816

RF IR MOVEMENT DETECTORS WITH TWILIGHT SENSOR - WALL-MOUNTING - LUX PLATE

| Code | Colour | Range of action | RF range in free field | Threshold adjustment | Dimensions LxHxD (mm) | Pack Carton |
|-----------|----------|-----------------|------------------------|----------------------|-----------------------|-------------|
| GW 10 816 | White | 8 m | 100 m | 5 - 1000 lux | 123x95x20 mm | 1 |
| GW 12 816 | Black | 8 m | 100 m | 5 - 1000 lux | 123x95x20 mm | 1 |
| GW 14 816 | Titanium | 8 m | 100 m | 5 - 1000 lux | 123x95x20 mm | 1 |

CHARACTERISTICS: Powered by 3x1.5V AAA alkaline batteries, not supplied. Average battery life: 3 years.
White: white button keys and milk white LUX-type plate.
Black: black button keys and titanium LUX-type plate.
Titanium: titanium button keys and titanium LUX-type plate.
Interchangeability with the entire colour range of LUX plates.
NOTES: to be used with the actuators GW10821-GW12821-GW14821, GW10822-GW12822-GW14822.
The operating mode (IR, twilight, IR + twilight) can be selected by means of the dip-switch. Includes kit for wall-mounting, containing: two strips of double-sided adhesive tape, two ø 6mm wall plugs with screws, and one insulating film (to be positioned in the battery compartment when using metallised plates).

TEMPERATURE ADJUSTMENT



GW 14 841

RF TIMED THERMOSTATS - WALL-MOUNTING - BATTERY-POWERED

| Code | Temperature adjustment | Colour | RF range in free field | Dimensions LxHxD (mm) | Pack Carton |
|-----------|------------------------|----------|------------------------|-----------------------|-------------|
| GW 10 841 | From +5°C to +40°C | White | 100 m | 130x92x23 mm | 1 |
| GW 14 841 | From +5°C to +40°C | Titanium | 100 m | 130x92x23 mm | 1 |

CHARACTERISTICS: Powered by 3x1.5V AAA alkaline batteries, not supplied. Average battery life: 1 year.
To be used with the 1-channel, 3A and 16A wireless actuators.
NOTES: includes kit for wall mounting, containing: 2 strips of double-sided adhesive tape, 2 wall plugs ø 6mm including screws.

OUTPUT MODULES FOR GENERAL LOADS



GW 14 821

RF 1-CHANNEL 3A ACTUATORS

| Code | Colour | Supply voltage | No. output channels | RF range in free field | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------|----------------|---------------------|------------------------|--------------------------|--------------------|-------------|
| GW 10 821 | White | 230V ac - 50Hz | 1 | 100 m | 3A(AC1)/2A(AC15) 250V ac | 1 | 1 |
| GW 12 821 | Black | 230V ac - 50Hz | 1 | 100 m | 3A(AC1)/2A(AC15) 250V ac | 1 | 1 |
| GW 14 821 | Titanium | 230V ac - 50Hz | 1 | 100 m | 3A(AC1)/2A(AC15) 250V ac | 1 | 1 |

CHARACTERISTICS: to be positioned in the supports of the Chorus range, to be used with the RF command devices of the range (command devices, sensors, temperature adjustment). Integrated command button key.

1-channel actuator to activate loads via the output contact (NO) with 230V potential. Not suitable for directly commanding fluorescent lamps.

NOTES: input equipped with L = 200mm x 0.75mm² cable to connect to traditional device contacts, in order to have a local command of the outputs.



GW 14 822

RF 1-CHANNEL 16A ACTUATORS

| Code | Colour | Supply voltage | No. output channels | RF range in free field | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------|----------------|---------------------|------------------------|----------------------------|--------------------|-------------|
| GW 10 822 | White | 230V ac - 50Hz | 1 | 100 m | 16A(AC1)/10A(AC15) 250V ac | 2 | 1 |
| GW 12 822 | Black | 230V ac - 50Hz | 1 | 100 m | 16A(AC1)/10A(AC15) 250V ac | 2 | 1 |
| GW 14 822 | Titanium | 230V ac - 50Hz | 1 | 100 m | 16A(AC1)/10A(AC15) 250V ac | 2 | 1 |

CHARACTERISTICS: to be positioned in the supports of the Chorus range, to be used with the RF command devices of the range (command devices, sensors, temperature adjustment). Integrated command button key.

1-channel actuator for activating loads via a potential-free output contact (NO). Suitable for commanding: 4A uncompensated fluorescent lamps, 4A fluorescent lamps with electronic power supply units. Not suitable for compensated fluorescent lamps for which the use of a support relay is required to command it.

NOTES: input equipped with L = 200mm x 0.75mm² cable to connect to traditional device contacts, in order to have a local command of the outputs.

OUTPUT MODULES FOR ROLLER SHUTTER COMMAND



GW 14 823

RF 1-CHANNEL 8A ACTUATORS

| Code | Colour | Supply voltage | No. output channels | RF range in free field | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------|----------------|---------------------|------------------------|--------------------------|--------------------|-------------|
| GW 10 823 | White | 230V ac - 50Hz | 1 | 100 m | 8A(AC1)/3A(AC15) 250V ac | 2 | 1 |
| GW 12 823 | Black | 230V ac - 50Hz | 1 | 100 m | 8A(AC1)/3A(AC15) 250V ac | 2 | 1 |
| GW 14 823 | Titanium | 230V ac - 50Hz | 1 | 100 m | 8A(AC1)/3A(AC15) 250V ac | 2 | 1 |

CHARACTERISTICS: to be positioned in the supports of the Chorus range, to be used with the RF command devices of the range (command devices, sensors, temperature adjustment). Integrated command button key.

1-channel actuator to activate a motor to move roller-shutters, curtains, Venetian blinds, rolling blinds, etc. via an output contact (NO) with 230V potential.

NOTES: input equipped with L = 200mm x 0.75mm² cable to connect to traditional device contacts, in order to have a local command of the outputs.

ACCESSORIES



GW 14 831

RF SIGNAL REPEATER

| Code | Colour | Supply voltage | Rx/Tx range in free field | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------|----------------|---------------------------|----------------------------|--------------------|-------------|
| GW 10 831 | White | 230V ac - 50Hz | 100+30 m | 16A(AC1)/10A(AC15) 250V ac | 2 | 1 |
| GW 12 831 | Black | 230V ac - 50Hz | 100+30 m | 16A(AC1)/10A(AC15) 250V ac | 2 | 1 |
| GW 14 831 | Titanium | 230V ac - 50Hz | 100+30 m | 16A(AC1)/10A(AC15) 250V ac | 2 | 1 |

CHARACTERISTICS: to be positioned in the supports of the Chorus range. Can be used with all the devices of the RF range. Can be used with all the devices of the RF range.

NOTES: the repeaters have a potential-free output contact to command general loads.



GW 14 776

EASY 8-CHANNEL WIRELESS RECEIVERS

| Code | Colour | No. RF input channels | No. Chorus modules | Pack Carton |
|-----------|----------|-----------------------|--------------------|-------------|
| GW 10 776 | White | 8 | 2 | 1 |
| GW 12 776 | Black | 8 | 2 | 1 |
| GW 14 776 | Titanium | 8 | 2 | 1 |

CHARACTERISTICS: 8-channel radio receiver for interfacing the RF Chorus System command devices with the KNX Easy system actuators.

Each radio input channel can be associated with up to 4 command devices. Configurable with EASY controller.

APPLICATIONS: allows you to send ON-OFF commands with front management, inversion commands, timed commands, priority commands and commands for managing roller shutters, dimmers and scenes (storage and activation).

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

To be used in combination with: RF push-button panel, RF remote controls, RF movement detectors, RF timed thermostats and RF input modules.



GW 14 798

KNX 8-CHANNEL WIRELESS RECEIVERS

| Code | Colour | No. RF input channels | No. Chorus modules | Pack Carton |
|-----------|----------|-----------------------|--------------------|-------------|
| GW 10 798 | White | 8 | 2 | 1 |
| GW 12 798 | Black | 8 | 2 | 1 |
| GW 14 798 | Titanium | 8 | 2 | 1 |

CHARACTERISTICS: 8-channel radio receiver for interfacing the RF Chorus System command devices with the KNX system actuators.

Each radio input channel can be associated with up to 4 command devices. To be configured with ETS software.

APPLICATIONS: allows you to send ON-OFF commands with front management, inversion commands, timed commands, priority commands and commands for managing roller shutters, dimmers and scenes (storage and activation).

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

To be used in combination with: RF push-button panel, RF remote controls, RF movement detectors, RF timed thermostats and RF input modules.

Chorus RF



WIRELESS TECHNOLOGY



With the Chorus RF range, every type of installation is made possible thanks to the wireless technology. The command and control devices allow you to integrate the electrical system (traditional or domotic) with new functions without any need for masonry work.

EASY CONFIGURATION



Associating and programming the various devices has never been so easy: it just takes some simple, intuitive, manual configuration, with no need for any programming software.

RELIABILITY AND SAFETY



In compliance with the European Standard for 868MHz equipment, the RF devices of the Chorus range exchange information at low power levels and only for short periods, thereby saving battery power and occupying the frequency band for a very limited time.

Configuring the devices

Configuration and operation of the system devices is easily carried out with just a few operations:

- The association between the RF transmitters, (command devices, sensors, input modules, timed thermostats) with the RF receivers (output modules/ actuators);
- Function configuration of the single device.

Fig. 1
1st phase: self-learning
RX receiver
e.g. **GW 14 821**



Selector in self-learning position

Fig. 2
2nd phase: transmission
TX push-button panel
e.g. **GW 14 801**



Press the key on the push-button panel to create the association

Fig. 3
3rd phase: configuration
RX receiver
e.g. **GW 14 821**



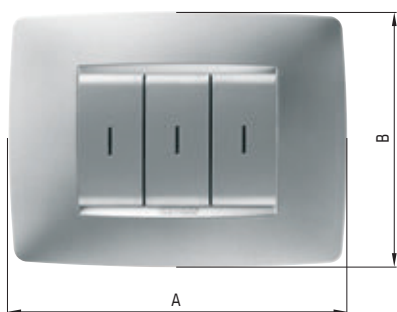
Select the function by turning the selector to the required operating mode.

Each single actuator/receiver can be associated with up to 16 different input channels.

Chorus RF

Dimension tables

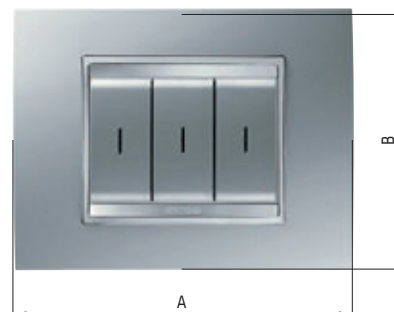
WIRELESS PUSH-BUTTON PANELS



ONE plate

GW 10 801 - GW 10 802 - GW 10 803 - GW 10 804
GW 12 801 - GW 12 802 - GW 12 803 - GW 12 804
GW 14 801 - GW 14 802 - GW 14 803 - GW 14 804

| Code | channels | A | B | C |
|-----------|----------|-----|----|----|
| GW 10 801 | 1 | 118 | 90 | 20 |
| GW 12 801 | | | | |
| GW 14 801 | | | | |
| GW 10 802 | 2 | 118 | 90 | 20 |
| GW 12 802 | | | | |
| GW 14 802 | | | | |
| GW 10 803 | 3 | 118 | 90 | 20 |
| GW 12 803 | | | | |
| GW 14 803 | | | | |
| GW 10 804 | 4 | 140 | 90 | 20 |
| GW 12 804 | | | | |
| GW 14 804 | | | | |



LUX plate

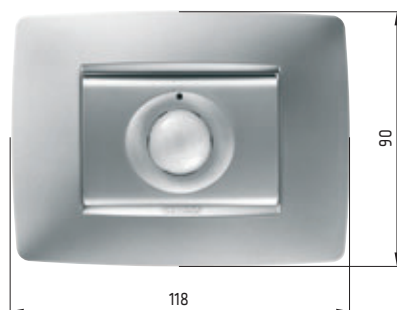
GW 10 806 - GW 10 807 - GW 10 808 - GW 10 809
GW 12 806 - GW 12 807 - GW 12 808 - GW 12 809
GW 14 806 - GW 14 807 - GW 14 808 - GW 14 809

| Code | channels | A | B | C |
|-----------|----------|-----|----|----|
| GW 10 806 | 1 | 123 | 95 | 20 |
| GW 12 806 | | | | |
| GW 14 806 | | | | |
| GW 10 807 | 2 | 123 | 95 | 20 |
| GW 12 807 | | | | |
| GW 14 807 | | | | |
| GW 10 808 | 3 | 123 | 95 | 20 |
| GW 12 808 | | | | |
| GW 14 808 | | | | |
| GW 10 809 | 4 | 145 | 95 | 20 |
| GW 12 809 | | | | |
| GW 14 809 | | | | |

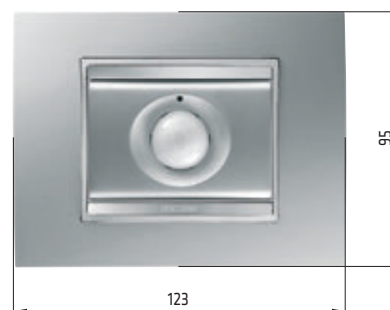
WIRELESS REMOTE CONTROL



GW 20 963

WIRELESS IR MOVEMENT DETECTORS WITH TWILIGHT SENSOR

ONE plate

GW 10 811 - GW 12 811 - GW 14 811


LUX plate

GW 10 816 - GW 12 816 - GW 14 816



















WIRELESS TIMED-THERMOSTATS


GW 10 841 - GW 14 841







System RF



COMMAND DEVICES

| | | | | |
|--|---|---|--|---|
| TOP SYSTEM |  |  | RF push-button panels for commands transmission. Wall-mounting. | 1-channel RF and 2-position command button key for sending differentiated messages. To be paired with the SYSTEM RF actuators. Power supply by means of 2 1,5 V AAA alkaline batteries. |
| VIRNA |  |  | | |
| TOP SYSTEM |  |  | | 2-channels RF and 2-position command button keys for sending differentiated messages. To be paired with the SYSTEM RF actuators. Power supply by means of 2 1,5 V AAA alkaline batteries. |
| VIRNA |  |  | | |
| TOP SYSTEM |  |  | | 3-channels RF and 2-position command button keys for sending differentiated messages. To be paired with the SYSTEM RF actuators. Power supply by means of 2 1,5 V AAA alkaline batteries. |
| VIRNA |  |  | | |
| TOP SYSTEM |  |  | | 4-channels RF and 2-position command button keys for sending differentiated messages. To be paired with the SYSTEM RF actuators. Power supply by means of 2 1,5 V AAA alkaline batteries. |
| VIRNA |  |  | | |
|  GW 20 963 | | | RF remote control. | 3-channels RF. 2 command button keys for each channel to send the differentiated commands. To be paired with the SYSTEM RF actuators. Power supply by means of 2 1,5 V AAA alkaline batteries. |
|  GW 20 966 | | | 2-channels RF input modules. | 2-channels RF. To connect the potential-free contacts. Sends the RF messages based on the input status. To be paired with the SYSTEM RF actuators. 230 V ac power supply. 1 SYSTEM module. |







SENSORS

| | | | | |
|------------|---|---|--|---|
| TOP SYSTEM |  |  | RF IR movement detectors with twilight sensor. Wall-mounting. | 3-channels RF (IR, twilight and IR + twilight). To be paired with the SYSTEM RF actuators for general loads. Power supply by means of 3 1,5 V AAA alkaline batteries. |
| VIRNA |  |  | | |



TEMPERATURE ADJUSTMENT

| | | | |
|---|---|---|---|
|  |  | RF timed thermostats. Wall-mounting. | 1-channel RF. To command the boilers, solenoid valves, electrical heating elements, fan coils, etc.. To be paired with the SYSTEM RF actuators for general loads. Power supply by means of 3 1,5 V AAA alkaline batteries. |
| GW 10 841 | GW 14 841 | | |

ACTUATORS

| | | | |
|---|---|---------------------------------------|--|
|  |  | Output RF modules for general loads. | 1 output contact 3 A (AC1)/2 A (AC15) with potential 230 V ac. To be paired with the SYSTEM RF command devices. Manual activation by means of front button key or inputs to connect potential-free contact (e.g. one-way switches or standard push-buttons). Monostable, bistable or timed functioning. 230 V ac power supply. 1 SYSTEM module. |
| GW 20 980 | GW 21 980 | | |
|  |  | Output RF modules for roller shutter. | 1 potential-free output contact 16 A (AC1)/10 A (AC15). To be paired with the SYSTEM RF command devices. Manual activation by means of front button key or inputs to connect potential-free contact (e.g. one-way switches or standard push-buttons). Monostable, bistable or timed functioning. 230 V ac power supply. 2 SYSTEM modules. |
| GW 20 981 | GW 21 981 | | |
|  |  | Output RF modules for roller shutter. | 2 output contacts 8 A (AC1)/3 A (AC15) with potential 230 V ac for moving roller shutters, awnings, etc.. To be paired with the SYSTEM RF command devices. Manual activation by means of front button keys or inputs to connect potential-free contacts (e.g. standard push-buttons). 230 V ac power supply. 2 SYSTEM modules. |
| GW 20 982 | GW 21 982 | | |

ACCESSORIES

| | | | |
|---|---|---|---|
|  |  | RF signal repeater with output contact. | 1 potential-free output contact 16 A (AC1)/10 A (AC15). 16 transmission/reception channels. To be used when communication between the control device and the actuator is difficult due to obstacles or excessive distance. 230 V ac power supply. 2 SYSTEM modules. |
| GW 20 985 | GW 21 985 | | |

System RF

Wireless devices

System of command and control devices with communication protocol, featuring wireless technology to integrate with existing electrical systems, enhancing functionality and allowing for the creation of exclusive comfort solutions (lighting adjustment, roller shutters, temperature adjustment, etc.), without requiring masonry work. The range allows for full functional and aesthetic integration with devices and plates from the SYSTEM domestic range.



Technical characteristics page 485

COMMANDS AND ACTUATORS

COMMAND DEVICES



GW 20 993

RF PUSH-BUTTON PANELS - WALL-MOUNTING - TOP SYSTEM PLATE

| Code | No. of channels | N. command push-buttons | RF range in free field | Colour Plate | Colour push-buttons | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|-------------------------|------------------------|---------------------|---------------------|-----------------------|-------------|
| GW 20 991 | 1 | 1 | 100 m | Cloud white | White | 116x80x20 | 1 |
| GW 21 991 | 1 | 1 | 100 m | Metallised titanium | Black | 116x80x20 | 1 |
| GW 20 992 | 2 | 2 | 100 m | Cloud white | White | 116x80x20 | 1 |
| GW 21 992 | 2 | 2 | 100 m | Metallised titanium | Black | 116x80x20 | 1 |
| GW 20 993 | 3 | 3 | 100 m | Cloud white | White | 116x80x20 | 1 |
| GW 21 993 | 3 | 3 | 100 m | Metallised titanium | Black | 116x80x20 | 1 |
| GW 20 994 | 4 | 4 | 100 m | Cloud white | White | 140x80x20 | 1 |
| GW 21 994 | 4 | 4 | 100 m | Metallised titanium | Black | 140x80x20 | 1 |

CHARACTERISTICS: use the TOP SYSTEM plates: cloud white or titanium, depending on the colour; interchangeable with the entire colour range of the TOP SYSTEM plates.

Powered by 2x1.5V AAA alkaline batteries, not supplied (min battery life: 2 years). two distinct command positions correspond to each button key.

ACCESSORIES SUPPLIED: kit for wall-mounting, containing: two strips of double-sided adhesive tape, two ø 6mm wall plugs with screws, 1 insulating film (to be positioned in the battery compartment when using Soft Chrome and Antique Gold plates).



GW 20 893

RF PUSH-BUTTON PANELS - WALL-MOUNTING - VIRNA PLATE

| Code | No. of channels | N. command push-buttons | RF range in free field | Colour Plate | Colour push-buttons | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|-------------------------|------------------------|---------------------|---------------------|-----------------------|-------------|
| GW 20 891 | 1 | 1 | 100 m | Cloud white | White | 116x80x20 | 1 |
| GW 21 891 | 1 | 1 | 100 m | Metallised titanium | Black | 116x80x20 | 1 |
| GW 20 892 | 2 | 2 | 100 m | Cloud white | White | 116x80x20 | 1 |
| GW 21 892 | 2 | 2 | 100 m | Metallised titanium | Black | 116x80x20 | 1 |
| GW 20 893 | 3 | 3 | 100 m | Cloud white | White | 116x80x20 | 1 |
| GW 21 893 | 3 | 3 | 100 m | Metallised titanium | Black | 116x80x20 | 1 |
| GW 20 894 | 4 | 4 | 100 m | Cloud white | White | 140x80x20 | 1 |
| GW 21 894 | 4 | 4 | 100 m | Metallised titanium | Black | 140x80x20 | 1 |

CHARACTERISTICS: use the VIRNA plates: cloud white or titanium, depending on the colour; Interchangeable with the entire colour range of the VIRNA plates.

Powered by 2x1.5V AAA alkaline batteries, not supplied (min battery life: 2 years). two distinct command positions correspond to each button key.

ACCESSORIES SUPPLIED: kit for wall-mounting, containing: 2 strips of double-sided adhesive, 2 wall plugs (diam. 6mm) including screws. 1 insulating film (to be positioned in the battery compartment when using Soft Chrome and Antique Gold plates).



GW 20 963

RF REMOTE CONTROL

| Code | No. of channels | N. command push-buttons | RF range in free field | Colour | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|-------------------------|------------------------|--------|-----------------------|-------------|
| GW 20 963 | 3 | 6 | 100 m | Black | 120x45x20 | 1 |

CHARACTERISTICS: Powered by 2x1.5V AAA alkaline batteries, not supplied. Minimum battery life: 3 years.

For each channel, two command keys are available.

ACCESSORIES SUPPLIED: support for wall-mounting.



GW 20 966

RF 2-CHANNEL INPUT

| Code | No. input channels | Power supply | RF range in free field | Colour | No. SYSTEM modules | Pack Carton |
|------------------|--------------------|-----------------|------------------------|--------|--------------------|-------------|
| GW 20 966 | 2 | 230V ac - 50 Hz | 100 m | White | 1 | 1 |
| GW 21 966 | 2 | 230V ac - 50 Hz | 100 m | Black | 1 | 1 |

CHARACTERISTICS: input channels for potential-free contacts. To be positioned in the supports of the System range.

ACCESSORIES SUPPLIED: input with leads 200 mm 0.75 mm² for connecting conventional control devices.

SENSORS



GW 20 990

RF IR MOVEMENT DETECTORS WITH TWILIGHT SENSOR - WALL-MOUNTING - TOP SYSTEM PLATE

| Code | Range of action | Threshold adjustment | IP degree | RF range in free field | Signalling LED | Colour | Dimensions LxHxD (mm) | Pack Carton |
|------------------|-----------------|----------------------|-----------|------------------------|----------------|--------|-----------------------|-------------|
| GW 20 990 | 8 m | 5 - 1000 lux | IP20 | 100 m | Green | White | 116x80x20 | 1 |
| GW 21 990 | 8 m | 5 - 1000 lux | IP20 | 100 m | Green | Black | 116x80x20 | 1 |

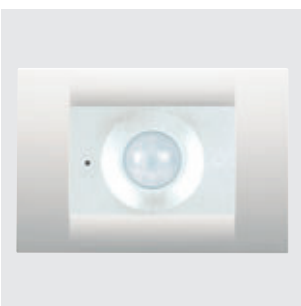
CHARACTERISTICS: use the TOP SYSTEM plates: cloud white or titanium, depending on the colour; interchangeable with the entire colour range of the TOP SYSTEM plates.

Powered by 3x1.5V AAA alkaline batteries, not supplied (min battery life: 3 years).

To use with the actuators GW20980 - GW21980 - GW20981 - GW21981.

ACCESSORIES SUPPLIED: 3 dip-switches to select 3 different working modes (IR, twilight and IR+twilight).

kit for wall-mounting, containing: 2 strips of double-sided adhesive, 2 wall plugs (diam. 6mm) including screws, 1 insulating film (to be positioned in the battery compartment when using Soft Chrome and Antique Gold plates).



GW 20 890

RF IR MOVEMENT DETECTORS WITH TWILIGHT SENSOR - WALL-MOUNTING - VIRNA PLATE

| Code | Range of action | Threshold adjustment | IP degree | RF range in free field | Signalling LED | Colour | Dimensions LxHxD (mm) | Pack Carton |
|------------------|-----------------|----------------------|-----------|------------------------|----------------|--------|-----------------------|-------------|
| GW 20 890 | 8 m | 5 - 1000 lux | IP20 | 100 m | Green | White | 116x80x20 | 1 |
| GW 21 890 | 8 m | 5 - 1000 lux | IP20 | 100 m | Green | Black | 116x80x20 | 1 |

CHARACTERISTICS: use the VIRNA plates: cloud white or titanium, depending on the colour; Interchangeable with the entire colour range of the VIRNA plates.

Powered by 3x1.5V AAA alkaline batteries, not supplied (min battery life: 3 years).

To use with the actuators GW20980 - GW21980 - GW20981 - GW21981.

ACCESSORIES SUPPLIED: 3 dip-switches to select 3 different working modes (IR, twilight and IR+twilight).

kit for wall-mounting, containing: 2 strips of double-sided adhesive, 2 wall plugs (diam. 6mm) including screws, 1 insulating film (to be positioned in the battery compartment when using Soft Chrome and Antique Gold plates).

TEMPERATURE ADJUSTMENT



GW 10 841

RF TIMED THERMOSTATS - WALL-MOUNTING - BATTERY-POWERED

| Code | Temperature adjustment | Colour | RF range in free field | Dimensions LxHxD (mm) | Pack Carton |
|------------------|------------------------|----------|------------------------|-----------------------|-------------|
| GW 10 841 | From +5°C to +40°C | White | 100 m | 130x92x23 mm | 1 |
| GW 14 841 | From +5°C to +40°C | Titanium | 100 m | 130x92x23 mm | 1 |

CHARACTERISTICS: Powered by 3x1.5V AAA alkaline batteries, not supplied. Average battery life: 1 year.

To be used with the 1-channel, 3A and 16A wireless actuators.

NOTES: includes kit for wall mounting, containing: 2 strips of double-sided adhesive tape, 2 wall plugs ø 6mm including screws.

OUTPUT MODULES FOR GENERAL LOADS



GW 20 980

RF 1-CHANNEL 3A ACTUATORS

| Code | Colour | Supply voltage | No. output channels | RF range in free field | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|--------|----------------|---------------------|------------------------|--------------------------|--------------------|-------------|
| GW 20 980 | White | 230V ac - 50Hz | 1 | 100 m | 3A(AC1)/2A(AC15) 250V ac | 1 | 1 |
| GW 21 980 | Black | 230V ac - 50Hz | 1 | 100 m | 3A(AC1)/2A(AC15) 250V ac | 1 | 1 |

CHARACTERISTICS: to be positioned in the supports of the System range, to be used with the RF command devices of the range (command devices, sensors, temperature adjustment). Integrated command button key. 1-channel actuators to activate loads via output contact (NO) with 230V potential. Not suitable for directly commanding fluorescent lamps.

NOTES: input equipped with cable L=200mm x 0.75mm² to connect to traditional device contacts, in order to have the local command of the outputs.



GW 20 981

RF 1-CHANNEL 16A ACTUATORS

| Code | Colour | Supply voltage | No. output channels | RF range in free field | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|--------|----------------|---------------------|------------------------|----------------------------|--------------------|-------------|
| GW 20 981 | White | 230V ac - 50Hz | 1 | 100 m | 16A(AC1)/10A(AC15) 250V ac | 2 | 1 |
| GW 21 981 | Black | 230V ac - 50Hz | 1 | 100 m | 16A(AC1)/10A(AC15) 250V ac | 2 | 1 |

CHARACTERISTICS: to be positioned in the supports of the System range, to be used with the RF command devices of the range (command devices, sensors, temperature adjustment). Integrated command button key. 1-channel actuators to activate loads via potential-free output contact (NO). Suitable for commanding: uncompensated fluorescent lamps 4A, fluorescent lamps with electronic transformers 4A. Not suitable for compensated fluorescent lamps (for which the use of the support relay is recommended).

NOTES: input equipped with cable L=200mm x 0.75mm² to connect to traditional device contacts, in order to have the local command of the outputs.

OUTPUT MODULES FOR ROLLER SHUTTERS



GW 20 982

RF 1-CHANNEL 8A ACTUATORS

| Code | Colour | Supply voltage | No. output channels | RF range in free field | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|--------|----------------|---------------------|------------------------|--------------------------|--------------------|-------------|
| GW 20 982 | White | 230V ac - 50Hz | 1 | 100 m | 8A(AC1)/3A(AC15) 250V ac | 2 | 1 |
| GW 21 982 | Black | 230V ac - 50Hz | 1 | 100 m | 8A(AC1)/3A(AC15) 250V ac | 2 | 1 |

CHARACTERISTICS: to be positioned in the supports of the System range, to be used with the RF command devices of the range (command devices, sensors, temperature adjustment). Integrated command button key. 1-channel actuators to activate 1 motor to move roller-shutters, curtains, venetian blinds, rolling blinds, etc. via output contact (NO) with 230V potential.

NOTES: input equipped with cable L=200mm x 0.75mm² to connect to traditional device contacts, in order to have the local command of the outputs.

ACCESSORIES



GW 20 985

RF SIGNAL REPEATERS

| Code | Colour | Supply voltage | Rx/Tx range in free field | Output contacts | No. SYSTEM modules | Pack Carton |
|-----------|--------|----------------|---------------------------|----------------------------|--------------------|-------------|
| GW 20 985 | White | 230V ac - 50Hz | 100+30 m | 16A(AC1)/10A(AC15) 250V ac | 2 | 1 |
| GW 21 985 | Black | 230V ac - 50Hz | 100+30 m | 16A(AC1)/10A(AC15) 250V ac | 2 | 1 |

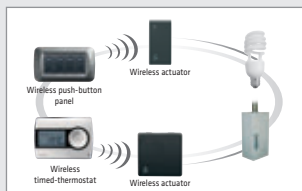
CHARACTERISTICS: 16 reception/transmission channels. To be inserted in the supports of the System range. Can be used with all the devices of the RF range.

NOTES: the repeaters have a potential-free output contact to command general loads.

System RF



WIRELESS TECHNOLOGY



With the System RF range, every type of installation is made possible thanks to the wireless technology. The command and control devices allow you to integrate the electrical system (traditional or domotic) with new functions without any need for masonry work.

EASY CONFIGURATION



Associating and programming the various devices has never been so easy: it just takes some simple, intuitive, manual configuration, with no need for any programming software.

RELIABILITY AND SAFETY



In compliance with the European Standard for 868MHz equipment, the RF devices of the System range exchange information at low power levels and only for short periods, thereby saving battery power and occupying the frequency band for a very limited time.

Configuring the devices

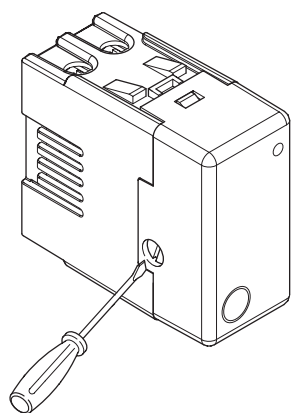
Configuration and operation of the system devices is easily carried out with just a few operations:

- Association between the TX transmitter devices (controls and sensors) and the RX actuator-receiver devices (wireless output modules);
- Configuration of the functions of the single RX receiver device.

Fig. 1

1st phase: self-learning

RX receiver
e.g. **GW 20 980**

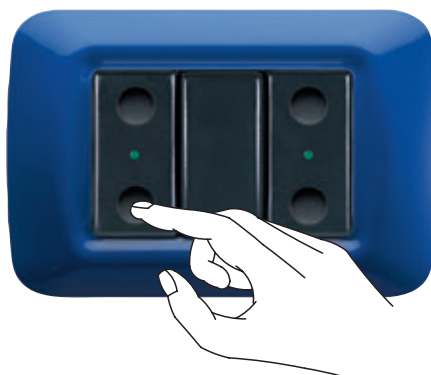


Selector
in self-learning position

Fig. 2

2nd phase: transmission

TX push-button panel
e.g. **GW 21 992**

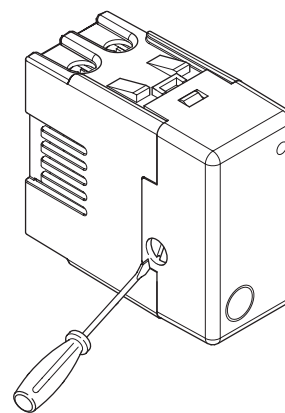


Pressing the push-button
of the push-button panel

Fig. 3

3rd phase: configuration

RX receiver
e.g. **GW 20 980**



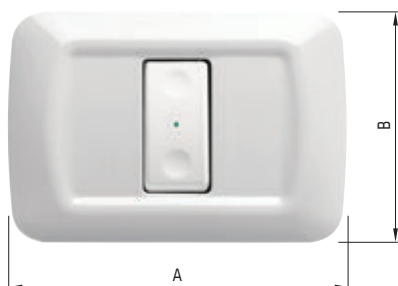
Choice of function and positioning
in the normal condition

Each single RX actuator/receiver can be associated with a maximum of 16 different TX input channels.

System RF

Dimension tables

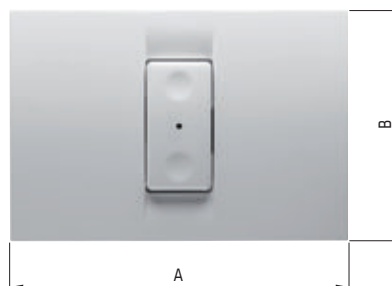
WIRELESS PUSH-BUTTON PANELS



TOP SYSTEM plate

GW 20 991 - GW 21 991; GW 20 992 - GW 21 992
GW 20 993 - GW 21 993; GW 20 994 - GW 21 994

| Code | channels | A | B | C |
|-----------|----------|-----|----|----|
| GW 20 991 | 1 | 116 | 80 | 20 |
| GW 21 991 | | | | |
| GW 20 992 | 2 | 116 | 80 | 20 |
| GW 21 992 | | | | |
| GW 20 993 | 3 | 116 | 80 | 20 |
| GW 21 993 | | | | |
| GW 20 994 | 4 | 140 | 80 | 20 |
| GW 21 994 | | | | |



VIRNA plate

GW 20 891 - GW 21 891; GW 20 892 - GW 21 892
GW 20 893 - GW 21 893; GW 20 894 - GW 21 894

| Code | channels | A | B | C |
|-----------|----------|-----|----|----|
| GW 20 891 | 1 | 116 | 80 | 20 |
| GW 21 891 | | | | |
| GW 20 892 | 2 | 116 | 80 | 20 |
| GW 21 892 | | | | |
| GW 20 893 | 3 | 116 | 80 | 20 |
| GW 21 893 | | | | |
| GW 20 894 | 4 | 140 | 80 | 20 |
| GW 21 894 | | | | |

WIRELESS REMOTE CONTROL



GW 20 963

WIRELESS IR MOVEMENT DETECTORS WITH TWILIGHT SENSOR

TOP SYSTEM plate

GW 20 990 - GW 21 990


VIRNA plate

GW 20 890 - GW 21 890

WIRELESS TIMED-THERMOSTATS


GW 10 841 - GW 14 841



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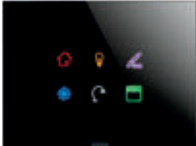

SYSTEM COMPONENTS

| | | | | | | | |
|---|---|---|----------------------------|---|---|---|--|
| Self-protected electronic power supplies |  |  | Complementary items |  |  |  |  |
| | GW 90 709 320 mA 110/240 V ac - 50/60 Hz | GW 90 710 640 mA 110/240 V ac - 50/60 Hz | | GW 90 708 A Line/Field coupling | GW 90 706 B KNX/USB interface | GW 90 706 S KNX/USB stick interface | GW A9 705 KNX/IP interface |

SYSTEM SUPERVISION







| | | | | | | |
|----------------------------------|---|--|---|---|--------------------------|--|
| NAXOS touch-screen panels |  | GW 10 961 WH White GW 12 961 BK Black |  | GW 10 962 WH White GW 12 962 BK Black | NAXOS accessories |  |
| | NAXOS DOMO KNX/Easy panels | NAXOS COMBI KNX/Easy Videentryphone combined panels | | GW 19 305 Power supply 18 V dc - 0,5 A Int./0,35 A 230 V ac - 50/60 Hz | | |

COMMAND DEVICES

| | | | | | |
|--|--|-----------------------------------|--|---------------------|---|
| TOUCH push-button panel module with interchangeable symbols |  | ICE TOUCH KNX glass plates |  | RF receivers |  |
| | GW A9 471 EASY 6-channels with interchangeable symbols | | GW 16 946 CB White GW 16 946 CN Black GW 16 946 CT Titanium | | EASY 8-channels |

| | | | | | |
|---------------------------------------|---|-----------------------------------|---|--|---|
| TOUCH push-button panel module |  | ICE TOUCH KNX glass plates |  |  |  |
| | GW 10 741 EASY 6-channels | | GW 16 962 CB White GW 16 962 CN Black GW 16 962 CT Titanium | | |

| | | | | | | |
|----------------------------|---|---|----------------------------|---|-------------------------|--|
| Contacts interfaces |  |  | LED signalling unit |  | Blanking modules |  |
| | GW 90 833 EASY 2-channel | | | | | |

| | | | | | | |
|--------------------------------|---|---|---|---|---|---|
| Electronic push-buttons |  |  |  |  |  |  |
| | GW 10 915 White GW 12 915 Black GW 14 915 Titanium | GW 10 913 White GW 12 913 Black GW 14 913 Titanium | GW 10 916 White GW 12 916 Black GW 14 916 Titanium | GW 10 917 White GW 12 917 Black GW 14 917 Titanium | GW 10 918 White GW 12 918 Black GW 14 918 Titanium | GW 10 914 White GW 12 914 Black GW 14 914 Titanium |

COMMAND DEVICES

Push-button panels

EASY 6-channel
with interchangeable symbols

GW 10 753 A
White
GW 12 753 A
Black
GW 14 753 A
Titanium

EASY 6-channel + actuator
with interchangeable symbols

GW 10 754 A
White
GW 12 754 A
Black
GW 14 754 A
Titanium

EASY 6-channel + roller shutter actuator
with interchangeable symbols

GW 10 755 A
White
GW 12 755 A
Black
GW 14 755 A
Titanium

EASY 4-channel
with interchangeable symbols

GW 10 757
White
GW 12 757
Black
GW 14 757
Titanium

EASY 4-channel

GW 10 752
White
GW 12 752
Black
GW 14 752
Titanium

Interchangeable button keys
for push-button panels

1M button key
To be completed with lens

GW 10 551
White
GW 12 551
Black
GW 14 551
Titanium

2M button key
To be completed with lens

GW 10 552
White
GW 12 552
Black
GW 14 552
Titanium

1M button key
To be completed with 2 lens

GW 10 553
White
GW 12 553
Black
GW 14 553
Titanium

2M button key
To be completed with 2 lens

GW 10 554
White
GW 12 554
Black
GW 14 554
Titanium

1M button key
With 2 diffusers

GW 10 557
White
GW 12 557
Black
GW 14 557
Titanium

Lens with illuminated symbols

GW 10 501 A
Transparent

GW 10 502 A
Light

GW 10 503 A
Stair light

GW 10 504 A
Table light

GW 10 505 A
Bell

GW 10 506 A
Burglar alarm

GW 10 507 A
Key

GW 10 508 A
ON OFF

GW 10 509 A
ON

GW 10 510 A
OFF

GW 10 511 A
Socket

GW 10 512 A
Dimmer

GW 10 513 A
Dimmer increase

GW 10 514 A
Dimmer decrease

GW 10 515 A
Arrow

GW 10 516 A
Open

GW 10 517 A
Close

GW 10 518 A
Roller shutter

GW 10 519 A
Roller shutter up

GW 10 520 A
Roller shutter down

GW 10 521 A
Curtain open

GW 10 522 A
Curtain close

GW 10 523 A
Floor light

GW 10 524 A
Ceiling light

GW 10 525 A
Wall light

GW 10 526 A
Aisle light

GW 10 527 A
Scenario

GW 10 528 A
Party

GW 10 529 A
In

GW 10 530 A
Out

GW 10 531 A
Good morning

GW 10 532 A
Good night

GW 10 533 A
TV

GW 10 534 A
Heating

GW 10 535 A
Cooling

GW 10 536 A
Heating/Cooling

GW 10 537 A
Comfort

GW 10 538 A
Precomfort

GW 10 539 A
Economy

GW 10 540 A
Auto

SENSORS

Movement

EASY IR movement detectors with
twilight sensor

GW 10 756
White
GW 12 756
Black
GW 14 756
Titanium

Weather


GW 90 769
Wind sensor

GW 90 770
Wind sensor interface
230 V ac - 50/60 Hz

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ACTUATORS

General loads actuators




GW 10 766
White
GW 12 766
Black
GW 14 766
Titanium

EASY 1-channel 16 A
1 NO/NC 230 V ac - 50/60 Hz




GW 90 835 B
EASY 4-channel 10 A
4 NO 230 V ac - 50/60 Hz




GW 90 836 B
EASY 4-channel 16 AX
4 NO 230 V ac - 50/60 Hz

Roller shutter actuators



GW 10 767
White
GW 12 767
Black
GW 14 767
Titanium

EASY 1-channel 6 A
2 NO 230 V ac - 50/60 Hz




GW 90 851
EASY 2-channel 6 A
230 V ac - 50/60 Hz




GW 90 852
EASY 4-channel 6 A
230 V ac - 50/60 Hz


Dimmer actuators




GW A9 351
Universal EASY 1-channel
500 VA - 230V ac - 50/60 Hz




GW A9 352
Universal EASY 2-channel
300 VA - 230V ac - 50/60 Hz




GW A9 350
Bleeder 230V ac - 50 Hz



GW 90 854
For CVD LED
EASY 4-channel
12-24 V dc




GW 90 855
For CVD LED
EASY 4-channel
12-48 V dc



GW 90 766
Booster for CVD LED
dimmer 4x10A 12-24 V dc


TEMPERATURE ADJUSTMENT

Climate control




GW 10 764 H
White
GW 12 764 H
Black
GW 14 764 H
Titanium

EASY timed thermostats/
programmers with
humidity management (*)




GW 10 765 H
White
GW 12 765 H
Black
GW 14 765 H
Titanium

EASY thermostats with
humidity management (*)




GW 10 769
White
GW 12 769
Black
GW 14 769
Titanium

EASY temperature sensors




GW 10 769 H
White
GW 12 769 H
Black
GW 14 769 H
Titanium

EASY temperature/
humidity sensors




GW 10 762 H
White
GW 12 762 H
Black
GW 14 762 H
Titanium

KNX/Easy temperature/
humidity probe sensors




GW 10 800
External temperature
probe sensor




GW 10 900
White
GW 12 900
Black
GW 14 900
Titanium

Temperature probe sensors



GW 16 974 CB
White
GW 16 974 CN
Black
GW 16 974 CT
Titanium

KNX/Easy Thermo ICE thermostats
12-24 V ac/dc



GW 10 720
Power supply
100/240 V ac-50/60 Hz-12 V dc



GW 10 761
White
GW 14 761
Titanium

Wall-mounting EASY timed thermostats




GW 10 763
White
GW 14 763
Titanium

Wall-mounting EASY thermostats

ENERGY CONTROL

Energy meters




GW D6 801
Single-phase direct
connection

GW D6 802
Single-phase direct
connection MID



GW D6 806
Three-phase direct
connection


GW D6 807
Three-phase direct
connection MID



GW D6 808
Three-phase
amperometric transformer
connection

GW D6 809
Three-phase C.T.
connection MID


Interface




GW 90 876
KNX interface for energy meter

COMPLEMENTARY ITEMS


Accessories



GW 90 807
Connection terminal to BUS



GW 90 808
Connection terminal to SELV line



GW 90 583
BUS KNX cable
2 conductors 1x2x0,8

GW 90 582
BUS KNX cable
4 conductors 2x2x0,8

(*) Not provided with built-in humidity sensor

490

Home Automation

KNX Easy bus

BUS system with KNX Easy protocol: an advanced control system for residential solutions that complies with European standard EN 50090, allowing each component of the system to talk to each other. Safety, comfort, energy savings, scenes and remote control: with a simple and intuitive interface which can be controlled via smartphone or tablet, it is easy to manage the system locally or remotely through the internet, with the new HAPPYHOME app by Gewiss.



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SYSTEM COMPONENTS

POWER SUPPLIES



GW 90 710

SELF-PROTECTED ELECTRONIC POWER SUPPLIES 110/240V - 50/60HZ - IP20 - DIN RAIL MOUNTING

| Code | Output voltage | Current supplied (max) | No. DIN modules | Pack Carton |
|-----------|----------------------|------------------------|-----------------|-------------|
| GW 90 709 | 30V dc +/- 2V (SELV) | 320 mA | 4 | 1 |
| GW 90 710 | 30V dc +/- 2V (SELV) | 640 mA | 4 | 1 |

CHARACTERISTICS: integrated coil to uncouple the power supply from the BUS line.
Reset push-button for restoring all the devices connected to the BUS line.

APPLICATIONS: the power supply feeds and controls the BUS voltage.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

The maximum number of devices that can be powered is calculated on the basis of their absorption.

COMPLEMENTARY ITEMS



GW 90 708 A

LINE/FIELD COUPLING - IP20 - DIN RAIL MOUNTING

| Code | Functions | No. DIN modules | Pack Carton |
|-------------|--------------------|-----------------|-------------|
| GW 90 708 A | Coupler - Repeater | 2 | 1/4 |

APPLICATIONS: to be used as a repeater in a KNX Easy system, when you want to create an architecture containing more than one line segment.

NOTES: equipped with 2 coupling terminals for connection to BUS.



GW 90 706 B

KNX/USB INTERFACE - IP20 - DIN RAIL MOUNTING

| Code | Max USB cable length | No. DIN modules | Pack Carton |
|-------------|----------------------|-----------------|-------------|
| GW 90 706 B | 5 m | 1 | 1 |

CHARACTERISTICS: equipped with B-type USB port.

APPLICATIONS: for the connection of a PC with a USB port to the KNX BUS.

NOTES: equipped with coupling terminal for connection to bus.



GW 90 706 S

KNX/USB STICK INTERFACE - IP20

| Code | Description | Dimensions LxHxD (mm) | Pack Carton |
|-------------|-------------|--------------------------|----------------|
| GW 90 706 S | USB key | 90x21x12 | 1 |

CHARACTERISTICS: equipped with A-type USB connector.

APPLICATIONS: for the connection of a PC with a USB port to the KNX BUS.

NOTES: equipped with A-type USB 2.0 extension, male-female (length 15 cm) and screw terminal for connection to the bus.



GW A9 705

KNX/IP INTERFACE - IP20 - DIN RAIL MOUNTING

| Code | Description | Max power consumption | No. DIN modules | Pack Carton |
|-----------|------------------|--------------------------|--------------------|----------------|
| GW A9 705 | KNX/IP interface | <500 mW | 1 | 1/8 |

CHARACTERISTICS: equipped with RJ45 port.

APPLICATIONS: for connecting a PC via LAN to the KNX BUS. Supports up to 5 simultaneous connections. To be used with the HAPPY HOME app for smartphones and tablets (available for Android and iOS) to manage the KNX domotic system via LAN and WiFi access points, or from a distance. The app can also be used with the codes GW90767 and GW90767AP.

NOTES: equipped with coupling terminal for connection to bus.

SYSTEM SUPERVISION

TOUCH-SCREEN PANELS



GW 10 961 WH

NAXOS DOMO TOUCH PANELS - KNX/EASY COMMAND AND VISUALISATION FUNCTION

| Code | Supply voltage | Display | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|-------------------------------------|---------|--------|-----------------------|-------------|
| GW 10 961 WH | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | White | 163x106x31 | 1 |
| GW 12 961 BK | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | Black | 163x106x31 | 1 |

CHARACTERISTICS: KNX system command and visualisation panels with 4.3" colour touchscreen LCD display. To be configured with ETS software or EASY controller. Powered from an external power supply (e.g. GW19305).

APPLICATIONS: ON-OFF commands, roller shutters, dimmers, control commands for temperature adjustment, timed thermostat function (to be used in combination with a KNX temperature sensor), scenes (storage and activation), timers, logic functions, management of independent inputs and outputs. Also used to control the burglar alarm system, the energy management and the load control.

NOTES: wall-mounting. To fix it, use flush-mounting boxes - round Ø 60mm (e.g. GW24232), square (e.g. GW24231), rectangular (e.g. GW24403) - or fix directly on the wall with the aid of wall plugs.



GW 10 962 WH

NAXOS COMBI INDOOR TOUCH MONITORS - VIDEO ENTRYPHONE + KNX/EASY COMMAND AND VISUALISATION FUNCTION

| Code | Supply voltage | Display | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|-------------------------------------|---------|--------|-----------------------|-------------|
| GW 10 962 WH | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | White | 203x108x31 | 1 |
| GW 12 962 BK | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | Black | 203x108x31 | 1 |

CHARACTERISTICS: the devices combine the functions of a KNX command and visualisation panel with those of an indoor video entryphone monitor with speakerphone. For the characteristics of the video entryphone part, refer to the NAXOS indoor monitor (GW19201WH/BK). To be configured with ETS software or Easy controller. Powered from an external power supply (e.g. GW19305).

APPLICATIONS: ON-OFF commands, roller shutters, dimmers, control commands for temperature adjustment, timed thermostat function (to be used in combination with a KNX temperature sensor), scenes (storage and activation), timers, logic functions, management of independent inputs and outputs. Also used to control the burglar alarm system, the energy management and the load control.

NOTES: wall-mounting. To fix it, use flush-mounting boxes - round Ø 60mm (e.g. GW24232), square (e.g. GW24231), rectangular (e.g. GW24403) - or fix directly on the wall with the aid of wall plugs.

NAXOS ACCESSORIES



GW 19 305

POWER SUPPLY - DIN RAIL MOUNTING

| Code | Input voltage | Output voltage | No. DIN modules | Pack Carton |
|-----------|--------------------|---------------------|-----------------|-------------|
| GW 19 305 | 230V ac - 50/60 Hz | 18 V dc - 0.5 A max | 3 | 1 |

CHARACTERISTICS: protected against overloads and short-circuiting. Supplies 350mA (500mA in intermittent service).

NOTES: to be used to power NAXOS indoor monitors (GW19201WH/BK), NAXOS COMBI (GW10962WH and GW12962BK), NAXOS for porter's desk (GW19202WH and GW19202BK) and NAXOS DOMO panels (GW10961WH and GW12961BK).

Chorus - Home Automation

COMMAND DEVICES

TOUCH PUSH-BUTTON PANELS



GW A9 471

EASY 6-CHANNELS TOUCH PUSH-BUTTON PANEL MODULE WITH INTERCHANGEABLE SYMBOLS

| Code | No. channels | No. Chorus modules | Pack Carton |
|-----------|--------------|--------------------|-------------|
| GW A9 471 | 6 | 3 | 1 |

CHARACTERISTICS: Easy module with 6 independent channels. Each channel is associated with an RGB night-time backlit LED or a status display LED for the commanded load. Each channel can be personalised using a set of adhesive icons. To be completed with the glass ICE Touch KNX plate (code GW16946CB, GW16946CN, GW16946CT). The device's touch commands can only be activated with the plate mounted: therefore, to configure the module the ICE Touch KNX plates or alternative the test plate (GW16950) must be used. Configurable with EASY controller.

APPLICATIONS: used for sending ON-OFF commands with fronts management, switching commands, timed commands, priority commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button) and scenes (storage and activation).

NOTES: equipped with coupling terminal with protection lid, for connection to BUS, and with set of icons to personalise the functions of each channel.



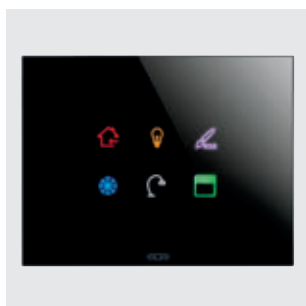
GW 16 946 CB

ICE TOUCH KNX - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|---------------|-------------------|-------------|
| GW 16 946 CB | 6 touch areas | GW16803 | 1 |

CHARACTERISTICS: plates made in glass with a glossy finish, used to complete the touch push-button panel modules - KNX (GWA9421) or Easy (GWA9471). The plates have 6 capacitive touch areas.

NOTES: the symbols shown in the picture are indicative only: they can be personalised using the set of adhesive icons included in the touch push-button module package. The code of the plate is unique and independent from the number of channels that you want to activate (from 1 to 6).



GW 16 946 CN

ICE TOUCH KNX - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|---------------|-------------------|-------------|
| GW 16 946 CN | 6 touch areas | GW16803 | 1 |

CHARACTERISTICS: plates made in glass with a glossy finish, used to complete the touch push-button panel modules - KNX (GWA9421) or Easy (GWA9471). The plates have 6 capacitive touch areas.

NOTES: the symbols shown in the picture are indicative only: they can be personalised using the set of adhesive icons included in the touch push-button module package. The code of the plate is unique and independent from the number of channels that you want to activate (from 1 to 6).



GW 16 946 CT

ICE TOUCH KNX - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|---------------|-------------------|-------------|
| GW 16 946 CT | 6 touch areas | GW16803 | 1 |

CHARACTERISTICS: plates made in glass with a glossy finish, used to complete the touch push-button panel modules - KNX (GWA9421) or Easy (GWA9471). The plates have 6 capacitive touch areas.

NOTES: the symbols shown in the picture are indicative only: they can be personalised using the set of adhesive icons included in the touch push-button module package. The code of the plate is unique and independent from the number of channels that you want to activate (from 1 to 6).



GW 16 950

TEST PLATE FOR KNX AND EASY 6-CHANNEL TOUCH PUSH-BUTTON PANEL MODULES WITH INTERCHANGEABLE SYMBOLS

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 16 950 | Test plate | GW16803 | 12 |

CHARACTERISTICS: plate in transparent plastic, with 6 capacitive touch areas.

NOTES: to be used for configuring the touch push-button panel modules - KNX (GWA9421) or Easy (GWA9471) - if the ICE touch KNX glass plates are not available in the system.



GW 10 741

EASY 6-CHANNEL TOUCH PUSH-BUTTON PANEL MODULE

| Code | No. channels | No. Chorus modules | Pack Carton |
|-----------|--------------|--------------------|-------------|
| GW 10 741 | 6 | 3 | 1 |

CHARACTERISTICS: Easy module with 6 independent channels, with touch commands (capacitive) and temperature sensor. Each channel is associated with an amber/blue LED for night-time backlit or to show the status of the commanded load. To be completed with Italian standard ICE Touch KNX glass plate (code GW16962CB, GW16964CB, GW16966CB, GW16962CN, GW16964CN, GW16966CN, GW16962CT, GW16964CT, GW16966CT). Configurable with EASY controller.

APPLICATIONS: allows you to send ON-OFF commands with fronts management, switchover commands, timed commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation).

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 16 966 CB

ICE TOUCH KNX - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 962 CB | 2 symbols | GW16803 | 1 |
| GW 16 964 CB | 4 symbols | GW16803 | 1 |
| GW 16 966 CB | 6 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish, used to complete the touch push-button panel modules - KNX (GW10746) or Easy (GW10741).



GW 16 966 CN

ICE TOUCH KNX - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 962 CN | 2 symbols | GW16803 | 1 |
| GW 16 964 CN | 4 symbols | GW16803 | 1 |
| GW 16 966 CN | 6 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish, used to complete the touch push-button panel modules - KNX (GW10746) or Easy (GW10741).

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GW 16 966 CT

ICE TOUCH KNX - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 962 CT | 2 symbols | GW16803 | 1 |
| GW 16 964 CT | 4 symbols | GW16803 | 1 |
| GW 16 966 CT | 6 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish, used to complete the touch push-button panel modules - KNX (GW10746) or Easy (GW10741).

CONTACT INTERFACES



GW 90 834 A

EASY 2- AND 4-CHANNEL CONTACTS INTERFACES

| Code | No. input channels | No. output channels | Max cable length | Dimensions LxHxD (mm) | Pack Carton |
|-------------|--------------------|---------------------|------------------|-----------------------|-------------|
| GW 90 833 | 2 | 2 | 10 m | 38x32x14 | 1 |
| GW 90 834 A | 4 | 4 | 10 m | 38x32x14 | 1 |

CHARACTERISTICS: BUS interfaces for connecting 2 or 4 push-buttons or conventional potential-free contacts. The reading voltage (SELV) is generated inside the device. For each input, an output is available for powering a low absorption LED (lower than 1mA such as, for example, GW10886, GW10887, GW10888, GW10889, GW10890) for displaying the status of the load commanded. Configurable with EASY controller.

APPLICATIONS: for sending ON-OFF commands with fronts management, switching commands, timed commands, priority commands, commands for controlling thermoregulation and commands for managing roller shutters (single or double push-button), dimmers (single or double push-button), scenes (storage and activation), output LED control, acquisition of temperature values via NTC sensor (GW90834A only). The input channels can be configured as alarm inputs (weather sensors). Installation in flush-mounting box, junction boxes or embedded in the blanking modules GW10571, GW12571, GW14571. The slot on the plastic casing also allows it to be fixed with screws.

NOTES: equipped with coupling terminal for connection to the BUS, and unshielded cables for connecting the inputs, of length 30 cm extendible to 10m with unshielded twisted cable.



GW 10 886

MINIATURE LAMPS WITH WIRED LEAD AND LED LAMP

| Code | Supply voltage | Lamp | Colour | Cable Colour | Pack Carton |
|-----------|----------------|------|--------|---------------|-------------|
| GW 10 886 | 3.3V dc | LED | Blue | Blue - Black | 50 |
| GW 10 887 | 3.3V dc | LED | White | White - Black | 50 |
| GW 10 888 | 3.3V dc | LED | Red | Red - Black | 50 |
| GW 10 889 | 3.3V dc | LED | Green | Green - Black | 50 |
| GW 10 890 | 3.3V dc | LED | Amber | Amber - Black | 50 |

NOTES: the miniature lamps are equipped with power cables.

If connected with the interfaces GW90721, GW90834, GW90721A, GW90727, GW90834A, GW90833 they do not require the use of a current limiting resistance. In this case, the maximum current consumption is less than 1mA.



GW 14 751

BLANKING MODULES FOR HOUSING 2- AND 4-CHANNEL CONTACT INTERFACE

| Code | Colour | No. Chorus modules | Pack Carton |
|-----------|----------|--------------------|-------------|
| GW 10 751 | White | 1 | 5/200 |
| GW 12 751 | Black | 1 | 5/200 |
| GW 14 751 | Titanium | 1 | 5/200 |

CHARACTERISTICS: 1-gang blanking module with pad printing KNX/EIB.

Allows the housing and fast identification of the 2- and 4-channel contact interface.

NOTES: embedded coupling.

PUSH-BUTTON PANELS



GW 14 753 A

EASY 6-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS

| Code | Colour | No. channels | No. Chorus modules | Pack Carton |
|-------------|----------|--------------|--------------------|-------------|
| GW 10 753 A | White | 6 | 3 | 1 |
| GW 12 753 A | Black | 6 | 3 | 1 |
| GW 14 753 A | Titanium | 6 | 3 | 1 |

CHARACTERISTICS: Easy module with 6 independent channels, with replaceable button keys and built-in temperature sensor. Each channel is associated with an amber/green night-time locating LED or a status display LED for the commanded load. Configurable with EASY controller. The package includes 3 replaceable button keys (GW1x553) and 10 lens with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (suited for 1 or 2 lens, with 2 diffusers, 1- or 2-module) or with other lens in the catalogue.

APPLICATIONS: allows you to send ON-OFF commands with fronts management, switchover commands, timed commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation).

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 14 754 A

EASY 6-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS + ACTUATOR

| Code | Colour | No. channels | Output contacts | No. Chorus modules | Pack Carton |
|-------------|----------|--------------|------------------------|--------------------|-------------|
| GW 10 754 A | White | 6+1 | 1NO/NC 10A(AC1) 230Vac | 3 | 1 |
| GW 12 754 A | Black | 6+1 | 1NO/NC 10A(AC1) 230Vac | 3 | 1 |
| GW 14 754 A | Titanium | 6+1 | 1NO/NC 10A(AC1) 230Vac | 3 | 1 |

CHARACTERISTICS: Easy module with 6 independent channels, with replaceable button keys and 1-channel ON/OFF actuator. Each channel is associated with an amber/green night-time locating LED or a status display LED for the commanded load. One pair of keys can be used for local actuator command. The actuator manages the load via a potential-free output contact (NO). Configurable with EASY controller. The package includes 3 replaceable button keys (GW1x553) and 10 lens with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (suited for 1 or 2 lens, with 2 diffusers, 1- or 2-module) or with other lens in the catalogue.

APPLICATIONS: the push-button panel allows to send ON-OFF commands with fronts management, switchover commands, timed commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation). The actuator allows the execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands and scene management commands. For discharge lamps and compensated fluorescent lamps, use a support relay.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 14 755 A

EASY 6-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS + ROLLER SHUTTER ACTUATOR

| Code | Colour | No. channels | Max current supplied | No. Chorus modules | Pack Carton |
|-------------|----------|--------------|-------------------------------|--------------------|-------------|
| GW 10 755 A | White | 6+1 | 6A-230V ac (compl. 60669-2-1) | 3 | 1 |
| GW 12 755 A | Black | 6+1 | 6A-230V ac (compl. 60669-2-1) | 3 | 1 |
| GW 14 755 A | Titanium | 6+1 | 6A-230V ac (compl. 60669-2-1) | 3 | 1 |

CHARACTERISTICS: Easy module with 6 independent channels, with replaceable button keys and 1-channel roller shutter actuator. Each channel is associated with an amber/green night-time locating LED or a status display LED for the commanded load. One pair of keys can be used for local actuator command. The actuator manages a motor to move roller-shutters, curtains, venetian blinds, rolling blinds, etc. via 2 potential-free interlocked output contacts (NO). Configurable with EASY controller. The package includes 3 replaceable button keys (GW1x553) and 10 lens with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (suited for 1 or 2 lens, with 2 diffusers, 1- or 2-module) or with other lens in the catalogue.

APPLICATIONS: the push-button panel allows to send ON-OFF commands with fronts management, switchover commands, timed commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation). The actuator allows the execution of commands of movements/adjustment/stop-ping, along with priority commands, scene management and alarm signalling commands.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 14 757

EASY 4-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS

| Code | Colour | No. channels | No. Chorus modules | Pack Carton |
|-----------|----------|--------------|--------------------|-------------|
| GW 10 757 | White | 4 | 2 | 1 |
| GW 12 757 | Black | 4 | 2 | 1 |
| GW 14 757 | Titanium | 4 | 2 | 1 |

CHARACTERISTICS: Easy module with 4 independent channels, with replaceable button keys. Each channel is associated with a RGB LED for night-time locating or status display for the commanded load. Configurable with EASY controller. The package includes 2 replaceable button keys (GW1x553) and 10 lens with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (arranged for 1 or 2 lens, with 2 diffusers, 1 or 2 modules) or with other lens in the catalogue.

APPLICATIONS: allows you to send ON-OFF commands with fronts management, switchover commands, timed commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation).

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

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GW 14 553

REPLACEABLE BUTTON KEYS FOR PUSH-BUTTON PANELS

| Code | Colour | Button key | No. Chorus modules | Pack Carton |
|-----------|----------|-----------------------------|--------------------|-------------|
| GW 10 551 | White | To be completed with lens | 1 | 5/50 |
| GW 12 551 | Black | To be completed with lens | 1 | 4/48 |
| GW 14 551 | Titanium | To be completed with lens | 1 | 4/48 |
| GW 10 552 | White | To be completed with lens | 2 | 5/50 |
| GW 12 552 | Black | To be completed with lens | 2 | 4/48 |
| GW 14 552 | Titanium | To be completed with lens | 2 | 4/48 |
| GW 10 553 | White | To be completed with 2 lens | 1 | 4/48 |
| GW 12 553 | Black | To be completed with 2 lens | 1 | 4/48 |
| GW 14 553 | Titanium | To be completed with 2 lens | 1 | 4/48 |
| GW 10 554 | White | To be completed with 2 lens | 2 | 4/48 |
| GW 12 554 | Black | To be completed with 2 lens | 2 | 4/48 |
| GW 14 554 | Titanium | To be completed with 2 lens | 2 | 4/48 |
| GW 10 557 | White | With 2 diffusers | 1 | 4/48 |
| GW 12 557 | Black | With 2 diffusers | 1 | 4/48 |
| GW 14 557 | Titanium | With 2 diffusers | 1 | 4/48 |

NOTES: to be used for the customization of Easy (GW1x753A, GW1x754A, GW1x755A, GW1x757) and KNX (GW1x783A, GW1x784A, GW1x785A, GW1x787) 6 and 4-channel push-button panels with interchangeable symbols.



LENS WITH ILLUMINATED SYMBOLS

| Code | Symbol | Pack Carton |
|-------------|---------------------|-------------|
| GW 10 501 A | Transparent | 24 |
| GW 10 502 A | Light | 24 |
| GW 10 503 A | Stair light | 24 |
| GW 10 504 A | Table light | 24 |
| GW 10 505 A | Bell | 24 |
| GW 10 506 A | Burglar alarm | 24 |
| GW 10 507 A | Key | 24 |
| GW 10 508 A | ON OFF | 24 |
| GW 10 509 A | ON | 24 |
| GW 10 510 A | OFF | 24 |
| GW 10 511 A | Socket-outlet | 24 |
| GW 10 512 A | Dimmers | 24 |
| GW 10 513 A | Dimmer increase | 24 |
| GW 10 514 A | Dimmer decrease | 24 |
| GW 10 515 A | Arrow | 24 |
| GW 10 516 A | Open | 24 |
| GW 10 517 A | Close | 24 |
| GW 10 518 A | Roller shutter | 24 |
| GW 10 519 A | Roller shutter up | 24 |
| GW 10 520 A | Roller shutter down | 24 |
| GW 10 521 A | Curtain open | 24 |
| GW 10 522 A | Curtain close | 24 |
| GW 10 523 A | Floor light | 24 |
| GW 10 524 A | Ceiling light | 24 |
| GW 10 525 A | Wall light | 24 |
| GW 10 526 A | Aisle light | 24 |
| GW 10 527 A | Scenario | 24 |
| GW 10 528 A | Party | 24 |
| GW 10 529 A | In | 24 |
| GW 10 530 A | Out | 24 |
| GW 10 531 A | Good morning | 24 |
| GW 10 532 A | Good night | 24 |
| GW 10 533 A | TV | 24 |
| GW 10 534 A | Heating | 24 |
| GW 10 535 A | Cooling | 24 |
| GW 10 536 A | Heating/Cooling | 24 |
| GW 10 537 A | Comfort | 24 |
| GW 10 538 A | Precomfort | 24 |
| GW 10 539 A | Economy | 24 |
| GW 10 540 A | Auto | 24 |

NOTES: to be used for the customization of the button keys of Easy (GW1x753A, GW1x754A, GW1x755A, GW1x757) and KNX (GW1x783A, GW1x784A, GW1x785A, GW1x787) 6 and 4-channel push-button panels with interchangeable symbols.



GW 14 752

EASY 4-CHANNEL PUSH-BUTTON PANELS

| Code | Colour | No. channels | No. Chorus modules | Pack Carton |
|-----------|----------|--------------|--------------------|-------------|
| GW 10 752 | White | 4 | 2 | 1 |
| GW 12 752 | Black | 4 | 2 | 1 |
| GW 14 752 | Titanium | 4 | 2 | 1 |

CHARACTERISTICS: push-button panel with 4 button keys/4 channels. Each button key is associated with an amber LED for night-time backlit, and a green LED to display the status of the commanded load. Configurable with EASY controller.

APPLICATIONS: allows you to send ON-OFF commands with fronts management, switchover commands, timed commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation).

NOTES: equipped with coupling terminal with protection lid, for connection to BUS, and with set of icons to personalise the button key functions.

ELECTRONIC PUSH-BUTTONS



GW 14 915

UNIVERSAL ELECTRONIC PUSH-BUTTONS

| Code | Colour | Type of contact | Type of use | Button key | No. Chorus modules | Pack Carton |
|-----------|----------|-----------------|--|------------|--------------------|-------------|
| GW 10 915 | White | Potential-free | Relay, dimmer, bus contacts interfaces | Neutral | 1 | 1/12 |
| GW 12 915 | Black | Potential-free | Relay, dimmer, bus contacts interfaces | Neutral | 1 | 1/12 |
| GW 14 915 | Titanium | Potential-free | Relay, dimmer, bus contacts interfaces | Neutral | 1 | 1/12 |

CHARACTERISTICS: push-button suitable for connection of KNX BUS contacts interfaces, or the command of bistable relays, electronic one-way switches for heavy duty loads, or dimmers with a remote control input. Output contact 4A (AC1) - 230 V ac.



GW 14 913

BACKLIT ELECTRONIC PUSH-BUTTONS FOR BUS INPUTS

| Code | Colour | Type of contact | Type of use | Button key | Pack Carton |
|------------------------------|----------|-----------------|-------------------------|-------------------------------|-------------|
| No. Chorus modules: 1 | | | | | |
| GW 10 913 | White | Potential-free | Bus contacts interfaces | With diffuser | 1/12 |
| GW 12 913 | Black | Potential-free | Bus contacts interfaces | With diffuser | 1/12 |
| GW 14 913 | Titanium | Potential-free | Bus contacts interfaces | With diffuser | 1/12 |
| GW 10 916 | White | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/12 |
| GW 12 916 | Black | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/12 |
| GW 14 916 | Titanium | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/12 |
| No. Chorus modules: 2 | | | | | |
| GW 10 917 | White | Potential-free | Bus contacts interfaces | With diffuser | 1/6 |
| GW 12 917 | Black | Potential-free | Bus contacts interfaces | With diffuser | 1/6 |
| GW 14 917 | Titanium | Potential-free | Bus contacts interfaces | With diffuser | 1/6 |
| GW 10 918 | White | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/6 |
| GW 12 918 | Black | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/6 |
| GW 14 918 | Titanium | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/6 |

CHARACTERISTICS: push-button for BUS inputs, suitable for KNX BUS contact interface connections. Equipped with 2-colour (amber/green) LED with colour selector (can be set up to work as a night-time localisation lamp or to indicate the load status).



GW 14 914

DUAL ELECTRONIC PUSH-BUTTONS

| Code | Colour | Type of contact | Button key | Symbol | No. Chorus modules | Pack Carton |
|-----------|----------|---|------------|-----------|--------------------|-------------|
| GW 10 914 | White | Dual, potential-free and with interlock | Neutral | UP - DOWN | 1 | 1/12 |
| GW 12 914 | Black | Dual, potential-free and with interlock | Neutral | UP - DOWN | 1 | 1/12 |
| GW 14 914 | Titanium | Dual, potential-free and with interlock | Neutral | UP - DOWN | 1 | 1/12 |

CHARACTERISTICS: double push-button suitable for connecting KNX BUS contact interfaces or electronic control panels for moving roller shutters.

RF RECEIVERS



GW 14 776

EASY 8-CHANNEL WIRELESS RECEIVERS

| Code | Colour | No. RF input channels | No. Chorus modules | Pack Carton |
|-----------|----------|-----------------------|--------------------|-------------|
| GW 10 776 | White | 8 | 2 | 1 |
| GW 12 776 | Black | 8 | 2 | 1 |
| GW 14 776 | Titanium | 8 | 2 | 1 |

CHARACTERISTICS: 8-channel radio receiver for interfacing the RF Chorus System command devices with the KNX Easy system actuators.

Each radio input channel can be associated with up to 4 command devices. Configurable with EASY controller.

APPLICATIONS: allows you to send ON-OFF commands with front management, inversion commands, timed commands, priority commands and commands for managing roller shutters, dimmers and scenes (storage and activation).

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

To be used in combination with: RF push-button panel, RF remote controls, RF movement detectors, RF timed thermostats and RF input modules.

SENSORS

MOVEMENT



GW 14 756

EASY IR MOVEMENT DETECTORS WITH TWILIGHT SENSOR

| Code | Colour | Cycle time | Threshold adjustment | No. Chorus modules | Pack Carton |
|-----------|----------|------------|----------------------|--------------------|-------------|
| GW 10 756 | White | 10s - 5min | 10 - 500 lux | 2 | 1 |
| GW 12 756 | Black | 10s - 5min | 10 - 500 lux | 2 | 1 |
| GW 14 756 | Titanium | 10s - 5min | 10 - 500 lux | 2 | 1 |

CHARACTERISTICS: movement sensor with detection conditioned by the light threshold value set. Adjustable lens. Operating range: 10m.

Vertical bearing angle: 30°. Horizontal bearing angle: 105°. Light threshold value can be adjusted via the front access trimmer.

The cycle time can be set in pre-fixed steps via the Easy controller (10s...5min), and can be modified ($\pm 50\%$) via the front access trimmer.

Front green LED signals movement detection and command entry.

Configurable with EASY controller.

APPLICATIONS: allows you to send timed commands to the movement detector. The entry of commands may be conditioned by the status of the controlled actuator.

The device is able to manage a safety pause of 5 seconds upon the deactivation of the controlled load. For installation indoors.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

WEATHER



GW 90 769

WIND SENSOR

| Code | IP degree | Pack Carton |
|-----------|-----------|-------------|
| GW 90 769 | IP65 | 1 |

CHARACTERISTICS: anemometer to be used in combination with the wind sensor interface GW90770.



GW 90 770

WIND SENSOR INTERFACE

| Code | Power supply | Dimensions LxHxD (mm) | IP degree | Pack Carton |
|-----------|---------------------|-----------------------|-----------|-------------|
| GW 90 770 | 230 V ac - 50/60 Hz | 110x95x38 | IP55 | 1 |

CHARACTERISTICS: allows the GW90769 wind sensor to be interfaced with a contacts interface.

Generates an alarm signal via a potential-free, NO contact, on the basis of the wind intensity (adjustable with 10 threshold values, 3.3...24.5m/s). Wall-mounting.

Chorus - Home Automation

ACTUATORS

ACTUATORS FOR GENERIC LOADS



GW 14 766

EASY 1-CHANNEL 16A ACTUATORS

| Code | Colour | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------|------------------------|--------------------|-------------|
| GW 10 766 | White | 1NO/NC 16A(AC1) 230Vac | 2 | 1 |
| GW 12 766 | Black | 1NO/NC 16A(AC1) 230Vac | 2 | 1 |
| GW 14 766 | Titanium | 1NO/NC 16A(AC1) 230Vac | 2 | 1 |

CHARACTERISTICS: 1-channel actuator for activating loads via a potential-free output contact (NO/NC).

Equipped with a front push-button for local command and a indicator LED for output contact closure. Configurable with EASY controller.

APPLICATIONS: execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, and scene management commands.

For discharge lamps and compensated fluorescent lamps, use a support relay.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid). If there is a failure in the BUS voltage, the output contact will remain open when the voltage is restored.



GW 90 835 B

EASY 4-CHANNEL 10A ACTUATOR - IP20 - DIN RAIL MOUNTING

| Code | No. output channels | Output contacts | No. DIN modules | Pack Carton |
|-------------|---------------------|---------------------|-----------------|-------------|
| GW 90 835 B | 4 | 4NO 10A(AC1) 230Vac | 4 | 1 |

CHARACTERISTICS: 4-channel actuator for activating loads via potential-free output contacts (NO). Suitable for commanding incandescent lamps (230 V ac): 1500 W, halogen lamps (230 V ac): 1500 W, loads controlled from electronic transformers: 600 VA, uncompensated fluorescent lamps: 400 VA, energy saving lamps (compact fluorescent): 8x23 W. Max switchover current 10 A (cos. fi 1). Use a support relay for the compensated fluorescent lamps and for all loads that are not indicated.

Equipped with front push-buttons for local implementation, and signalling LED for closure of output contact. Configurable with EASY controller.

APPLICATIONS: execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, and scene management commands.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 836 B

EASY 4-CHANNEL 16AX ACTUATOR - IP20 - DIN RAIL MOUNTING

| Code | No. output channels | Output contacts | No. DIN modules | Pack Carton |
|-------------|---------------------|-----------------|-----------------|-------------|
| GW 90 836 B | 4 | 4NO 16AX 230Vac | 4 | 1 |

CHARACTERISTICS: 4-channel actuator for activating loads via potential-free output contacts (NO).

Suitable for commanding incandescent lamps (230 V ac): 3000 W, halogen lamps (230 V ac): 3000 W, loads controlled from toroidal transformers: 3000 W, loads controlled from electronic transformers: 2000 W, energy saving lamps (compact fluorescent): 80x23 W.

Max switchover current 16A (AC1), 16AX (140μF ref EN 60669-1) fluorescent loads with maximum surge current 400A (200μs).

Equipped with front push-buttons for local implementation, and signalling LED for closure of output contact. Configurable with EASY controller.

APPLICATIONS: execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, and scene management commands.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

ACTUATORS FOR ROLLER SHUTTERS



GW 14 767

EASY 1-CHANNEL 6A ROLLER SHUTTER ACTUATORS

| Code | Colour | Max current supplied | No. Chorus modules | Pack Carton |
|-----------|----------|-------------------------------|--------------------|-------------|
| GW 10 767 | White | 6A-230V ac (compl. 60669-2-1) | 2 | 1 |
| GW 12 767 | Black | 6A-230V ac (compl. 60669-2-1) | 2 | 1 |
| GW 14 767 | Titanium | 6A-230V ac (compl. 60669-2-1) | 2 | 1 |

CHARACTERISTICS: 1-channel actuator to activate a motor to move roller-shutters, curtains, Venetian blinds, rolling blinds, etc. via 2 potential-free interlocked output contacts (NO). With two frontal push-buttons for local activation, and two LEDs indicating output contact closure. Configurable with EASY controller.

APPLICATIONS: carries out commands of movement/adjustment/stopping, along with priority commands, scene management and alarm signalling commands.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid). If there is a failure in the BUS voltage, the roller shutter or Venetian blind will remain immobile when the voltage is restored, until a new movement command is given.



GW 90 852

EASY 6A ROLLER SHUTTER ACTUATORS - 230V - IP20 - DIN RAIL MOUNTING

| Code | No. channels | Max current supplied | No. DIN modules | Pack Carton |
|-----------|--------------|-------------------------------|-----------------|-------------|
| GW 90 851 | 2 | 6A-230V ac (compl. 60669-2-1) | 4 | 1 |
| GW 90 852 | 4 | 6A-230V ac (compl. 60669-2-1) | 4 | 1 |

CHARACTERISTICS: 2- and 4-channel actuators to activate motors to move roller-shutters, curtains, venetian blinds, rolling blinds, etc. via respectively 4 and 8 potential-free interlocked output contacts (NO). With 4 (8) frontal push-buttons for local activation, and 4 (8) LEDs indicating output contact closure. Configurable with EASY controller.

APPLICATIONS: carries out commands of movement/adjustment/stopping, along with priority commands, scene management and alarm signalling commands.

NOTES: equipped with coupling terminal with protection lid, for connection to BUS. If there is a failure in the BUS voltage, the roller shutter or Venetian blind will remain immobile when the voltage is restored, until a new movement command is given.

GW90852: Possibility to activate the loads manually, even without the BUS voltage.

DIMMER ACTUATORS



GW A9 352

EASY UNIVERSAL DIMMER ACTUATORS - IP20 - DIN RAIL MOUNTING

| Code | Supply voltage | No. output channels | Power max. | No. DIN modules | Pack Carton |
|-----------|--------------------|---------------------|-------------------|-----------------|-------------|
| GW A9 351 | 230V ac - 50/60 Hz | 1 | 500 VA | 4 | 1 |
| GW A9 352 | 230V ac - 50/60 Hz | 2 | 300VA per channel | 4 | 1 |

CHARACTERISTICS: for the adjustment and switching of incandescent and halogen lamps 230V AC, low voltage halogen lamps with electronic and winding transformers, LED lamps 230V AC with dimmer function, and CFL lamps with dimmer function. Manual selection of the type of load (Leading Edge or Trailing Edge piloting), soft-start function for lamp protection, front LEDs for signalling the status of the outputs. Configurable with EASY controller.

APPLICATIONS: execution of ON-OFF commands, relative and absolute light intensity adjustment, scene management, timed commands, priority commands, sending of channel status and light intensity signals.

NOTES: equipped with a coupling terminal for connection to the BUS, with a protection lid. In the event of a BUS failure, the device maintains the output status. The behaviour when the BUS voltage is restored can be freely configured.



GW A9 350

BLEEDER - 230 V AC - 50 HZ

| Code | Description | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------|-----------------------|-------------|
| GW A9 350 | Bleeder | 38x32x14 | 1/48 |

CHARACTERISTICS: bleeder for dimmable LED lamps. Supplied with cables (length 15cm).

APPLICATIONS: suitable for Easy (GWA9351, GWA9352), KNX (GWA9301, GWA9302) or traditional (GW1x572, GW1x573) universal dimmers.



GW 90 854

EASY DIMMER ACTUATOR FOR LED - IP20 - DIN RAIL MOUNTING

| Code | Supply voltage | No. output channels | Type of control | No. DIN modules | Pack Carton |
|-----------|----------------|---------------------|-----------------|-----------------|-------------|
| GW 90 854 | 12-24V dc | 4 | CVD | 4 | 1 |
| GW 90 855 | 12-48V dc | 4 | CCD | 4 | 1 |

CHARACTERISTICS: dimmer in CVD version (control with constant voltage) for regulating RGB(W) LED strips, and in CCD version (control with constant current) for regulating "power" LEDs. 4 front button keys for testing the outputs and 4 front LEDs for signalling the load status and other operating parameters. Configurable with the Easy controller.

APPLICATIONS: execution of ON-OFF commands, regulation and setting of the light intensity level for each single channel (and the 4 channels simultaneously), selection of feedback on status or light intensity value, scene management, timed sequences, priority commands, logic functions. The 4 outputs can be used to control each of the 4 channels R, G, B and W of a single LED lamp, or up to 4 independent LEDs.

NOTES: equipped with a coupling terminal for connection to the BUS, with a protection lid. In the event of a BUS voltage failure or a failure on the auxiliary power supply voltage to the LEDs, the device brings all the channels to OFF (0%). The behaviour when the BUS voltage is restored can be freely configured; when the auxiliary voltage is restored, the dimmer implements the last command received.



GW 90 766

BOOSTER FOR CVD LED DIMMER ACTUATORS 4X10 A - IP20 - DIN RAIL MOUNTING

| Code | Supply voltage | No. output channels | Max current per channel | No. DIN modules | Pack Carton |
|-----------|----------------|---------------------|-------------------------|-----------------|-------------|
| GW 90 766 | 12-24V dc | 4 | 10A | 4 | 1/4 |

CHARACTERISTICS: device used to extend the control capacity of CVD LED dimmers by up to 10A per channel.

APPLICATIONS: to be used with KNX (GW90764) and Easy (GW90854) dimmer actuators for CVD LEDs.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

TEMPERATURE ADJUSTMENT

CLIMATE CONTROL



GW 14 764 H

EASY TIMED THERMOSTATS/PROGRAMMERS WITH HUMIDITY MANAGEMENT

| Code | Colour | Output contacts | Humidity sensor | No. Chorus modules | Pack Carton |
|-------------|----------|--------------------------|-----------------|--------------------|-------------|
| GW 10 764 H | White | 1NO / NC 5A(AC1) 250V ac | Not included | 3 | 1 |
| GW 12 764 H | Black | 1NO / NC 5A(AC1) 250V ac | Not included | 3 | 1 |
| GW 14 764 H | Titanium | 1NO / NC 5A(AC1) 250V ac | Not included | 3 | 1 |

CHARACTERISTICS: flush-mounting timed thermostat with humidity management, that can be programmed on a weekly basis to control heating/cooling and humidification/dehumidification systems on the BUS. 3-level temperature profile (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF), proportional-integral (PWM), fan coil (3 speeds). Includes: 1 output for commanding the area solenoid valve, 1 input for a potential free contact (window contact function), 1 input for the external temperature NTC probe sensor (e.g.: protection for floor-mounting heating). With 7 hour profiles that can be freely used (programmer function) plus another two reserved for the timed thermostat, with 15-minute resolution. Equipped with an extractable front and LCD display with customisable RGB backlighting. Configurable with EASY controller.

APPLICATIONS: can be combined with Easy flush-mounting thermostats for local temperature adjustment: In this case, the timed thermostat acts as a master, sending the temperature profile to the BUS.

NOTES: equipped with coupling terminal for connection to BUS. The device requires a back-up power supply from 2 AA alkaline batteries (not included), housed in the extractable front, to guarantee the updating of the calendar (day, time) in the event of a BUS voltage failure. **The device does not have a built-in humidity sensor, so the relative humidity value must be obtained from an external KNX sensor (e.g. GW1x762H).**



GW 14 765 H

EASY THERMOSTATS WITH HUMIDITY MANAGEMENT

| Code | Colour | Output contacts | Humidity sensor | No. Chorus modules | Pack Carton |
|-------------|----------|--------------------------|-----------------|--------------------|-------------|
| GW 10 765 H | White | 1NO / NC 5A(AC1) 250V ac | Not included | 2 | 1 |
| GW 12 765 H | Black | 1NO / NC 5A(AC1) 250V ac | Not included | 2 | 1 |
| GW 14 765 H | Titanium | 1NO / NC 5A(AC1) 250V ac | Not included | 2 | 1 |

CHARACTERISTICS: flush-mounting thermostat with humidity management, to control heating/cooling and humidification/dehumidification systems on the BUS and to manually manage the temperature on three levels (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF), proportional-integral (PWM), fan coil (3 speeds). Includes: 1 output for commanding the area solenoid valve, 1 input for a potential-free contact (window contact function), 1 input for the external temperature NTC probe sensor (e.g. protection for floor-mounting heating). Equipped with an LCD display with customisable RGB backlighting. Configurable with EASY controller.

APPLICATIONS: can be combined with Easy flush-mounting timed thermostats for local temperature adjustment: in this case, the thermostat acts as a Slave, executing the temperature profile sent from the Master (timed thermostat), using the locally defined setpoint values. If the system contains remote elements with their own control logic (e.g. Easy flush-mounting temperature adjustment probes), the thermostat can be used to visualise and set their operating parameters (max. 4 elements).

NOTES: equipped with coupling terminal for connection to BUS. **The device does not have a built-in humidity sensor, so the relative humidity value must be obtained from an external KNX sensor (e.g. GW1x762H).**



GW 14 769

EASY TEMPERATURE SENSORS

| Code | Colour | No. Chorus modules | Pack Carton |
|-----------|----------|--------------------|-------------|
| GW 10 769 | White | 1 | 1 |
| GW 12 769 | Black | 1 | 1 |
| GW 14 769 | Titanium | 1 | 1 |

CHARACTERISTICS: flush-mounting temperature adjustment probe for controlling heating/cooling systems on the BUS. 3-level temperature profile (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF), proportional-integral (PWM), fan coil (3 speeds). Includes: 1 input for a potential free contact (window contact function), 1 input for external temperature NTC sensor (e.g. protection for floor-mounting heating). Equipped with a front LED signalling the operating status and the load status (solenoid valve). Configurable with EASY controller.

APPLICATIONS: can be combined with thermostats GW10765H, GW12765H, GW14765H or timed thermostats GW10764H, GW12764H, GW14764H to adjust the temperature in specific areas and for controlling and displaying the probe parameters (the probe does not have a display).

NOTES: it is equipped with coupling terminal for connection to bus.



GW 14 769 H

EASY HUMIDITY/TEMPERATURE SENSORS

| Code | Colour | Humidity sensor | No. Chorus modules | Pack Carton |
|-------------|----------|-----------------|--------------------|-------------|
| GW 10 769 H | White | Built-in | 1 | 1 |
| GW 12 769 H | Black | Built-in | 1 | 1 |
| GW 14 769 H | Titanium | Built-in | 1 | 1 |

CHARACTERISTICS: flush-mounting temperature adjustment probe with humidity sensor for controlling heating/cooling systems and humidification/dehumidification systems on the BUS.

3-level temperature profile (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF), proportional-integral (PWM), fan coil (3 speeds). Includes: 1 input for a potential free contact (window contact function), 1 input for external temperature NTC sensor (e.g. protection for floor-mounting heating). Equipped with a front LED signalling the operating status and the load status (solenoid valve). Configurable with EASY controller.

APPLICATIONS: can be combined with thermostats GW10765H, GW12765H, GW14765H or timed thermostats GW10764H, GW12764H, GW14764H to adjust the temperature in specific areas and for controlling and displaying the probe parameters (the probe does not have a display).

NOTES: it is equipped with coupling terminal for connection to bus.

Chorus - Home Automation



GW 14 762 H

KNX/EASY TEMPERATURE/HUMIDITY PROBE SENSORS

| Code | Colour | Humidity sensor | No. Chorus modules | Pack Carton |
|-------------|----------|-----------------|--------------------|-------------|
| GW 10 762 H | White | Built-in | 1 | 1 |
| GW 12 762 H | Black | Built-in | 1 | 1 |
| GW 14 762 H | Titanium | Built-in | 1 | 1 |

CHARACTERISTICS: flush-mounting temperature/humidity probe sensor for sending temperature and relative humidity values on the KNX BUS. Temperature range: 0...+45°C. Relative humidity range: 10-95%. Equipped with a front signalling LED. To be configured with ETS software or EASY controller.

NOTES: equipped with coupling terminal for connection to BUS.



GW 10 800

OUTDOOR TEMPERATURE PROBE SENSOR

| Code | Capsule diameter (mm) | Capsule length (mm) | Cable length (m) | IP degree | Pack Carton |
|-----------|-----------------------|---------------------|------------------|-----------|-------------|
| GW 10 800 | 5 | 20 | 3 | IP68 | 1 |

CHARACTERISTICS: NTC sensor 10K BETA 3435 1%. Temperature range: -50...+110 °C; precision: ±1%; capsule material: thermoplastic rubber.

NOTES: to be used in combination with the EASY and KNX timed thermostats, thermostats, temperature sensors, EASY and KNX flush-mounting humidity/temperature sensors, input modules, etc..



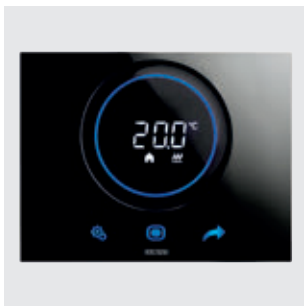
GW 14 900

TEMPERATURE PROBE SENSORS

| Code | Colour | No. Chorus modules | Pack Carton |
|-----------|----------|--------------------|-------------|
| GW 10 900 | White | 1 | 1 |
| GW 12 900 | Black | 1 | 1 |
| GW 14 900 | Titanium | 1 | 1 |

CHARACTERISTICS: NTC flush-mounting temperature probe sensor 10K ±2%, BETA 3977 ±0.75%. Temperature range: -40...+125°C. Equipped with a front signalling LED.

NOTES: to be used in combination with the timed thermostats, thermostats, temperature sensors, EASY and KNX flush-mounting humidity/temperature sensors, input modules, etc..



GW 16 974 CN

KNX/EASY THERMO ICE THERMOSTATS

| Code | Colour | Power supply | Dimensions LxHxD (mm) | Pack Carton |
|--------------|----------|--------------|-----------------------|-------------|
| GW 16 974 CB | White | 12-24V ac/dc | 123x95x11 | 1 |
| GW 16 974 CN | Black | 12-24V ac/dc | 123x95x11 | 1 |
| GW 16 974 CT | Titanium | 12-24V ac/dc | 123x95x11 | 1 |

CHARACTERISTICS: flush-mounting thermostat to control heating/cooling systems on the BUS and to manually manage the temperature on three levels (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous), fan coil. Can be used to manage humidification/dehumidification systems if connected to an external humidity sensor (e.g. GW1x762H). Includes 1 input for a potential-free contact (for the window contact function, or for managing fronts, dimmers, roller shutters and scenes); 1 input for the external temperature NTC probe sensor (e.g. protection for floor-mounting heating) or, alternatively, as a second input for a potential-free contact. With user interface with touch commands (capacitive) on glass plate and backlit display. The thermostat is equipped with integrated proximity and temperature sensors. To be configured with ETS software or Easy controller.

APPLICATIONS: can be combined with KNX flush-mounting timed thermostats or KNX control panels for local temperature adjustment: In this case, the thermostat acts as the slave by executing the temperature profile sent by the master.

NOTES: equipped with coupling terminal for connection to BUS. The thermostats include a front plate, electronic unit and metal support, and are suitable for screw fixing on both rectangular 3-gang boxes (centre distance 83.5 mm) and round/square boxes (centre distance 60 mm) equipped with fixing columns.



GW 10 720

POWER SUPPLY UNIT 12 VDC

| Code | Supply voltage | Output voltage | Max current supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------------|----------------------|-----------------------|-------------|
| GW 10 720 | 100/240 V ac - 50/60 Hz | 12V dc | 300 mA | 52x33x17 | 1/10 |

APPLICATIONS: to be used for powering LPG detectors (GW10711, GW12711, GW14711, GW20868, GW21868, GW30520), methane detectors (GW10712, GW12712, GW14712, GW20867, GW21867, GW30519) and water detectors (GW10716, GW12716, GW14716); Thermo ICE WiFi (GW16972CB, GW16972CN, GW16972CT) and KNX/Easy (GW16974CB, GW16974CN, GW16974CT) thermostats.



GW 14 761

EASY TIMED THERMOSTATS - WALL-MOUNTING

| Code | Colour | Dimensions LxHxD (mm) | Pack Carton |
|-----------|----------|-----------------------|-------------|
| GW 10 761 | White | 130x92x23 | 1 |
| GW 14 761 | Titanium | 130x92x23 | 1 |

CHARACTERISTICS: timed thermostat that can be programmed on a weekly basis to control heating/cooling systems on the BUS. 3-level temperature profile (comfort, pre-comfort, economy). Regulation with two-point (ON/OFF) or proportional (PWM) control. Equipped with a backlit LCD display. Configurable with EASY controller.

APPLICATIONS: can be combined with thermostats GW10763, GW14763 to adjust the temperature in specific areas. In this case, the timed thermostat acts as a master, sending the temperature profile to the BUS.

NOTES: equipped with coupling terminal for connection to BUS. The device requires a back-up power supply from 2 AAA alkaline batteries (not included), to guarantee the updating of the calendar (day, time) in the event of a BUS voltage failure.



GW 14 763

EASY THERMOSTATS - WALL-MOUNTING

| Code | Colour | Dimensions LxHxD (mm) | Pack Carton |
|-----------|----------|-----------------------|-------------|
| GW 10 763 | White | 85x95x23 | 1 |
| GW 14 763 | Titanium | 85x95x23 | 1 |

CHARACTERISTICS: thermostat to control heating/cooling systems on BUS. Regulation with two-point (ON/OFF) or proportional (PWM) control. Equipped with a backlit LCD display. Configurable with EASY controller.

APPLICATIONS: can be combined with timed thermostats GW10761, GW14761 to adjust the temperature in specific areas. In this case, the thermostat acts as a Slave, executing the temperature profile sent from the Master (timed thermostat), using the locally defined setpoint values. This also makes it possible to control the fan coils.

NOTES: equipped with coupling terminal for connection to BUS. Equipped with a rechargeable back-up battery to guarantee the updating of the calendar (day, time) in the event of a BUS voltage failure.

Chorus - Home Automation

ENERGY CONTROL

ENERGY METERS



GW D6 801

SINGLE-PHASE DIGITAL ENERGY METERS FOR DIRECT CONNECTION

| Code | Type MID | No. digits | Accuracy | I max (A) | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|----------|---------------------|----------|-----------|-------------------|-------------------------|-------------|
| GW D6 801 | No | 5 unit + 2 decimals | 1 | 32 A | 230 ac | 1 | 1/5 |
| GW D6 802 | Yes | 5 unit + 2 decimals | 1 | 32 A | 230 ac | 1 | 1/5 |

APPLICATION: allows the measurement and visualisation on the display of the active energy values (exported and imported), instantaneous active power (exported and imported), voltage, current, power factor and frequency.

If used with the KNX GW90876 interface, the measured values can be sent on the KNX BUS.

If used with the MODBUS GWD6820 interface, the measured values can be sent on Modbus RS485.

CHARACTERISTICS: the energy meters have an impulse output for remote energy consumption control.



GW D6 808

THREE-PHASE DIGITAL ENERGY METERS

| Code | Type MID | No. digits | Accuracy | Connection | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|----------|---------------------|---------------------------------------|---------------------|-------------------|-------------------------|-------------|
| GW D6 806 | No | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Direct (I max=80 A) | 400 ac | 4 | 1/2 |
| GW D6 807 | Yes | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Direct (I max=80 A) | 400 ac | 4 | 1/2 |
| GW D6 808 | No | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Using C.T./5 A | 400 ac | 4 | 1/2 |
| GW D6 809 | Yes | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Using C.T./5 A | 400 ac | 4 | 1/2 |

APPLICATION: allow the measurement and the visualization on display of the active and reactive energy values (exported and imported), and instantaneous active and reactive power values (exported and imported). If used with the KNX GW90876 interface, the measured values can be sent on the KNX BUS.

If used with the MODBUS GWD6820 interface, the measured values can be sent on Modbus RS485.

CHARACTERISTICS: the meters have two impulse outputs for remote energy consumption control.

KNX INTERFACE



GW 90 876

KNX INTERFACE FOR ENERGY METER - IP20 - DIN RAIL MOUNTING

| Code | No. DIN modules | Pack Carton |
|-----------|-----------------|-------------|
| GW 90 876 | 1 | 1/5 |

CHARACTERISTICS: configurable with EASY controller (the interface is presetted with dedicated group addresses).

APPLICATIONS: it communicates on the KNX bus system the values of energy and power measured by the GWD6801, GWD6802, GWD6806, GWD6807, GWD6808, GWD6809 energy meters. The KNX interface is optically coupled with the energy meter (the two devices have to be installed side-by-side).

NOTE: it is equipped with coupling terminal for connection to bus.

COMPLEMENTARY ITEMS

ACCESSORIES



GW 90 582

KNX BUS CABLES

| Code | Type | Description | Ø (mm) | Colour | Pack Carton |
|------------------|--------------------------|-------------------|--------|--------|-------------|
| GW 90 583 | 2 conductors 1 x 2 x 0.8 | LSZH Cable sheath | 5.2 | Green | 100 |
| GW 90 582 | 4 conductors 2 x 2 x 0.8 | LSZH Cable sheath | 6.1 | Green | 100 |

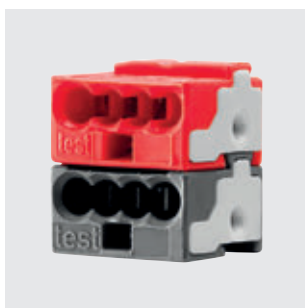
Can be installed with the 230V power supply cable, and are recommended for protruding or flush assembly, for arrangement in conduits, in dry environments, and outdoors if protected against direct solar irradiation.

In the GW90582 KNX cable, the first duplex cable (red + black) is used for the power supply and the data transmission of the KNX devices; the second one (yellow + white) can be used for another SELV service power supply.

In the KNX cable GW90583, the duplex cable (red + black) is used for the power supply and the data transmission of the KNX devices.

CHARACTERISTICS: GW90582 BUS cable for shielded installation consisting of 2 pairs of twisted wires. Colours - black/red + yellow/white.

GW90583 BUS cable for shielded installation consisting of 1 pair of twisted wires. Colours - black/red.



GW 90 807

CONNECTION TERMINAL TO BUS

| Code | Colour | Pack Carton |
|------------------|-------------|-------------|
| GW 90 807 | Red - Black | 50 |

APPLICATIONS: for connecting up to 4 pairs of conductors. Can also be used as a junction terminal.



GW 90 808

CONNECTION TERMINAL TO SELV LINE

| Code | Colour | Pack Carton |
|------------------|----------------|-------------|
| GW 90 808 | Yellow - white | 50 |

APPLICATIONS: for connecting up to 4 pairs of conductors. Can also be used as a junction terminal.

Home Automation



SMART HOME MANAGEMENT



With HAPPY HOME by GEWISS it is possible to control your home easily, also remotely. Thanks to its intuitive interface, HAPPY HOME makes it possible to manage your domotic system directly using your smartphone or tablet.

STANDARD COMMUNICATION PROTOCOL



The Chorus Home Automation range uses the KNX protocol - a European and International Standard for data transmission and management in building automation contexts. The Easy (E-mode) solution ensures simplified programming that's ideal for domotic applications in the residential.

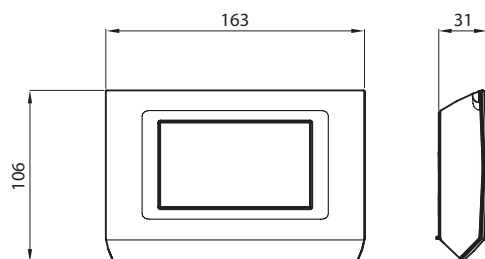
EASY CONFIGURATION



The system is particularly easy to install, because it's configured with a PC and an intuitive configuration software. Automatically recognises the Easy devices on the BUS, and guides you in the creation of functions between commands and actuators, even in Off-Line mode.

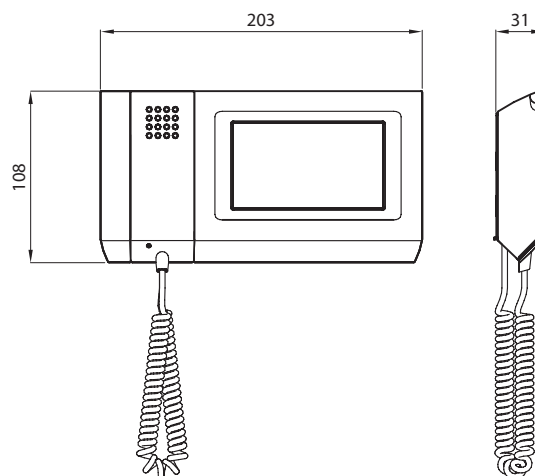
Dimension tables

NAXOS DOMO



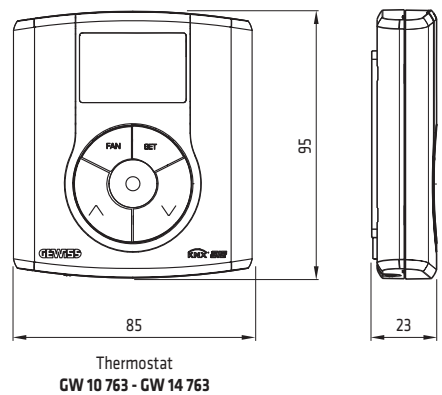
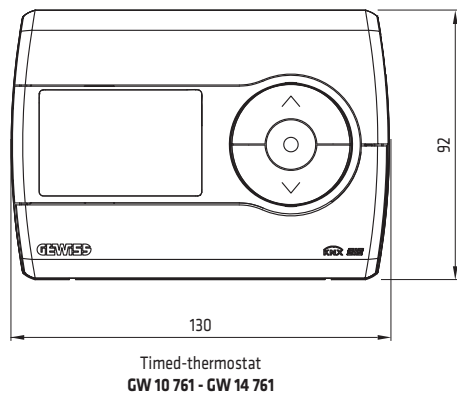
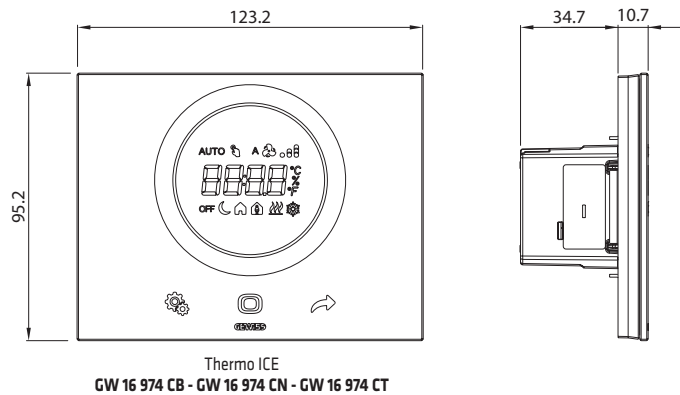
GW 10 961 WH
GW 12 961 BK

NAXOS COMBI










GW 10 962 WH
GW 12 962 BK

KNX EASY CLIMATE CONTROL



Chorus - Building Automation




SYSTEM COMPONENTS

| | | | | | | | | |
|---|---|---|----------------------------|---|---|---|---|---|
| Self-protected electronic power supplies |  |  | Complementary items |  |  |  |  |  |
| | GW 90 709 320 mA 110/240 V ac - 50/60 Hz | GW 90 710 640 mA 110/240 V ac - 50/60 Hz | | GW 90 708 A Line/Field coupling | GW 90 706 B KNX/USB interface | GW 90 706 S KNX/USB stick interface | GW A9 705 KNX/IP interface | GW A9 707 KNX/IP router |




SYSTEM SUPERVISION

| | | | | |
|---------------------------------------|---|---|---------------------------------|--|
| MASTER ICE touch-screen panels |  |  | KNX supervision software |  |
| | GW 12 010 CB 10" White GW 12 015 CB 15" White | GW 12 010 CN 10" Black GW 12 015 CN 15" Black | | GW 12 691 Easydom Next Home (Base version) GW 12 692 Easydom Next Home Elite (Plus version) GW 12 693 Upgrade from Base to Plus |

SYSTEM SUPERVISION







| | | | | |
|----------------------------------|---|--|--------------------------|--|
| NAXOS touch-screen panels |  |  | NAXOS accessories |  |
| | GW 10 961 WH White GW 12 961 BK Black | GW 10 962 WH White GW 12 962 BK Black | | GW 19 305 Power supply 18 V dc - 0.5 A int/0.35 A 230 V ac - 50/60 Hz |

COMMAND DEVICES

| | | | | | |
|--|---|-----------------------------------|---|---------------------|--|
| TOUCH push-button panel module with interchangeable symbols |  | ICE TOUCH KNX glass plates |  | RF receivers |  |
| | GW A9 421 KNX 6-channels with interchangeable symbols | | GW 16 946 CN Black GW 16 946 CT Titanium | | GW 10 798 Black GW 14 798 Titanium |


| | | | | | |
|---------------------------------------|---|-----------------------------------|---|--|---|
| TOUCH push-button panel module |  | ICE TOUCH KNX glass plates |  |  |  |
| | GW 10 746 KNX 6-channels | | GW 16 962 CN Black GW 16 962 CT Titanium | GW 16 964 CN Black GW 16 964 CT Titanium | GW 16 966 CN Black GW 16 966 CT Titanium |

| | | | | | | | | |
|----------------------------|---|---|---|---|----------------------------|--|-------------------------|---|
| Contacts interfaces |  |  |  |  | LED signalling unit |  | Blanking modules |  |
| | GW 90 727 KNX 2-channel | GW 90 721 A KNX 4-channel | GW 90 728 KNX 8-channel input module (4 digital + 4 universal) | GW 90 729 KNX 8-channel ac/dc voltage input module | | GW 10 887 White 3.3 V dc GW 10 888 Red 3.3 V dc GW 10 889 Green 3.3 V dc GW 10 890 Amber 3.3 V dc | | For housing contacts interfaces |

| | | | | | | |
|--------------------------------|---|---|---|---|---|---|
| Electronic push-buttons |  |  |  |  |  |  |
| | GW 10 915 White GW 12 915 Black GW 14 915 Titanium | GW 10 913 White GW 12 913 Black GW 14 913 Titanium | GW 10 916 White GW 12 916 Black GW 14 916 Titanium | GW 10 917 White GW 12 917 Black GW 14 917 Titanium | GW 10 918 White GW 12 918 Black GW 14 918 Titanium | GW 10 914 White GW 12 914 Black GW 14 914 Titanium |


COMMAND DEVICES

Push-button panels




GW 10 783 A White
GW 12 783 A Black
GW 14 783 A Titanium

KNX 6-channel
with interchangeable symbols



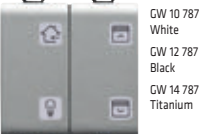
GW 10 784 A White
GW 12 784 A Black
GW 14 784 A Titanium

KNX 6-channel + actuator
with interchangeable symbols




GW 10 785 A White
GW 12 785 A Black
GW 14 785 A Titanium

KNX 6-channel + roller shutter actuator
with interchangeable symbols



GW 10 787 White
GW 12 787 Black
GW 14 787 Titanium


4-channel
KNX with interchangeable symbols



GW 10 782 White
GW 12 782 Black
GW 14 782 Titanium


KNX 4-channel

Interchangeable button keys for push-button panels




GW 10 551 White
GW 12 551 Black
GW 14 551 Titanium

1M button key
To be completed with lens




GW 10 552 White
GW 12 552 Black
GW 14 552 Titanium

2M button key
To be completed with lens




GW 10 553 White
GW 12 553 Black
GW 14 553 Titanium

1M button key
To be completed with 2 lens



GW 10 554 White
GW 12 554 Black
GW 14 554 Titanium









































2M button key
To be completed with 2 lens



GW 10 557 White
GW 12 557 Black
GW 14 557 Titanium


1M button key
With 2 diffusers

Lens with illuminated symbols

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
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SENSORS

Movement




GW 10 786 White
GW 12 786 Black
GW 14 786 Titanium

KNX IR movement detector with twilight sensor




GW 90 787

KNX outdoor movement detector with twilight sensor




GW 90 782

Mounting bracket for KNX outdoor movement detector




GW A9 531

KNX presence sensor ceiling mounting




GW A9 532

KNX movement sensor with constant brightness control ceiling mounting for great heights




GW A9 540

IR remote control



GW A9 541

Assembly accessory IP54



GW A9 542

IP65 Kit

DOMOTIC SOLUTIONS

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Chorus - Building Automation

WEATHER SENSORS

Devices



GW 90 800
KNX weather station



GW 90 881
KNX rain sensor



GW 90 882
KNX wind sensor



GW 90 883
KNX wind and rain sensor




GW 90 884
KNX light intensity sensor



GW 90 885
KNX temperature sensor


ACTUATORS

General loads actuators




KNX 1-channel 16 A
1 NO/NC 230 V ac - 50/60 Hz


GW 10 796
White
GW 12 796
Black
GW 14 796
Titanium



GW 90 741
KNX 4-channel 10 A
4 NO 230 V ac - 50/60 Hz



GW 90 740 A
KNX 4-channel 16 AX
4 NO 230 V ac - 50/60 Hz



GW 90 742
KNX 4-channel 16 AX with manual command
4 NO 230 V ac - 50/60 Hz




GW A9 108
KNX 8-channel 10 AX
8 NO 230 V ac - 50/60 Hz

Roller shutter actuators




KNX 1-channel 6 A
230 V ac - 50/60 Hz

GW 10 797
White
GW 12 797
Black
GW 14 797
Titanium




GW 90 856
KNX 2-channel 6 A
230 V ac - 50/60 Hz




GW 90 857
KNX 4-channel 6 A
230 V ac - 50/60 Hz

Combined actuators




GW 90 730
KNX 4-channel actuator 10 A
+ 4 universal inputs




GW A9 126
KNX 6/12-channels 8 AX for shutters/
generic loads 12 NO 230 V ac - 50/60 Hz


Dimmer actuators




GW A9 313
for electronic ballast 1-10V
3 channels 16 AX KNX
230 V ac - 50/60 Hz




GW A9 301
Universal
KNX 1-channel
500 VA - 230V ac - 50/60 Hz




GW A9 302
Universal
KNX 2-channel
300 VA - 230V ac - 50/60 Hz




GW A9 350
Bleeder 230V ac - 50 Hz



GW 90 764
For CVD LED
KNX 4-channel
12-24 V dc



GW 90 765
For CCD LED
KNX 4-channel
12-48 V dc



GW 90 766
Booster for CVD LED
dimmer 4x10A 12-24 V dc

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TEMPERATURE ADJUSTMENT

Climate control



GW 10 794 H White
GW 12 794 H Black
GW 14 794 H Titanium



GW 10 795 H White
GW 12 795 H Black
GW 14 795 H Titanium



GW 10 799 White
GW 12 799 Black
GW 14 799 Titanium



GW 10 799 H White
GW 12 799 H Black
GW 14 799 H Titanium



GW 10 762 H White
GW 12 762 H Black
GW 14 762 H Titanium



GW 10 800
External temperature probe sensor



GW 10 900 White
GW 12 900 Black
GW 14 900 Titanium



GW 16 974 CB White
GW 16 974 CN Black
GW 16 974 CT Titanium



GW 10 720
Power supply
100/240 V ac-50/60 Hz-12 V dc




GW 10 791 White
GW 14 791 Titanium




GW 10 793 White
GW 14 793 Titanium

ENERGY CONTROL


Energy meters




GW D6 801
Single-phase direct connection




GW D6 802
Single-phase direct connection MID




GW D6 806
Three-phase direct connection



GW D6 807
Three-phase direct connection MID




GW D6 808
Three-phase C.T. connection




GW D6 809
Three-phase C.T. connection MID

Interface



GW 90 876
KNX interface for energy meter


Logic module




GW 90 797 A
KNX logic module

ACCESS CONTROL AND HOTEL MANAGEMENT


Transponder units




GW 10 681 White
GW 12 681 Black
GW 14 681 Titanium



GW 10 682 White
GW 12 682 Black
GW 14 682 Titanium



Transponder card programming unit.
Powered via USB



GW 10 684
Transponder card

Software



Hotel management software
GWHost

GW A9 781 Up to 10 rooms
GW A9 782 Up to 25 rooms
GW A9 783 Up to 100 rooms
GW A9 784 Over 100 rooms

EMERGENCY LIGHTING

Double-sided LED autonomous devices



STARTEC EIB - P



STARTEC EIB - P



Fixing brackets



STARTEC EIB - P

GW 81 701
GW 81 702
GW 81 703
GW 81 704

GW 81 711
GW 81 712

GW 81 691
GW 81 692
GW 81 693
GW 81 694

GW 81 721
GW 81 722
GW 81 723
GW 81 724

COMPLEMENTARY ITEMS

Interfaces



GW 90 871
Gateway KNX/DMX




GW 90 872 A
Gateway KNX/DALI 64/16

Accessories



GW 90 807
Connection terminal to BUS



GW 90 808
Connection terminal to SELV line



GW 90 583
BUS KNX cable
2 conductors 1x2x0,8



GW 90 582
BUS KNX cable
4 conductors 2x2x0,8

(*) Not provided with built-in humidity sensor

DOMOTIC SOLUTIONS

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Building Automation

KNX bus

BUS system with KNX protocol: the ideal solution for both homes and large buildings. An advanced control system that complies with European Standard EN 50090, for the transmission and management of data in building automation applications. The KNX BUS is an open solution, and as such it provides a crucial guarantee of compatibility between products made by different manufacturers. Furthermore, it is synonymous with reliability, flexibility and reduced installation times.



Technical characteristics page 548

SYSTEM COMPONENTS

POWER SUPPLIES



GW 90 710

SELF-PROTECTED ELECTRONIC POWER SUPPLIES 110/240V - 50/60HZ - IP20 - DIN RAIL MOUNTING

| Code | Output voltage | Current supplied (max) | No. DIN modules | Pack Carton |
|-----------|----------------------|------------------------|-----------------|-------------|
| GW 90 709 | 30V dc +/- 2V (SELV) | 320 mA | 4 | 1 |
| GW 90 710 | 30V dc +/- 2V (SELV) | 640 mA | 4 | 1 |

CHARACTERISTICS: integrated coil to uncouple the power supply from the BUS line. Reset push-button for restoring all the devices connected to the BUS line.

APPLICATIONS: the power supply feeds and controls the BUS voltage.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

The maximum number of devices that can be powered is calculated on the basis of their absorption.

COMPLEMENTARY ITEMS



GW 90 708 A

LINE/FIELD COUPLING - IP20 - DIN RAIL MOUNTING

| Code | Functions | No. DIN modules | Pack Carton |
|-------------|--------------------|-----------------|-------------|
| GW 90 708 A | Coupler - Repeater | 2 | 1/4 |

APPLICATIONS: for the logic connection and the galvanic separation of lines and areas (fields).

NOTES: equipped with 2 coupling terminals for connection to BUS.



GW 90 706 B

KNX/USB INTERFACE - IP20 - DIN RAIL MOUNTING

| Code | Max USB cable length | No. DIN modules | Pack Carton |
|-------------|----------------------|-----------------|-------------|
| GW 90 706 B | 5 m | 1 | 1 |

CHARACTERISTICS: equipped with B-type USB port.

APPLICATIONS: for the connection of a PC with a USB port to the KNX BUS.

NOTES: equipped with coupling terminal for connection to bus.



GW 90 706 S

KNX/USB STICK INTERFACE - IP20

| Code | Description | Dimensions LxHxD (mm) | Pack Carton |
|-------------|-------------|--------------------------|----------------|
| GW 90 706 S | USB key | 90x21x12 | 1 |

CHARACTERISTICS: equipped with A-type USB connector.

APPLICATIONS: for the connection of a PC with a USB port to the KNX BUS.

NOTES: equipped with A-type USB 2.0 extension, male-female (length 15 cm) and screw terminal for connection to the bus.



GW A9 707

KNX/IP ROUTER - IP20 - DIN RAIL MOUNTING

| Code | Description | Max power consumption | No. DIN modules | Pack Carton |
|-----------|---------------|--------------------------|--------------------|----------------|
| GW A9 707 | KNX/IP router | <500 mW | 1 | 1/8 |

CHARACTERISTICS: equipped with RJ45 port.

APPLICATIONS: for connecting the KNX lines to the IP backbones and the PC interface via LAN to the KNX BUS. Supports up to 5 simultaneous connections.

NOTES: equipped with coupling terminal for connection to bus.



GW A9 705

KNX/IP INTERFACE - IP20 - DIN RAIL MOUNTING

| Code | Description | Max power consumption | No. DIN modules | Pack Carton |
|-----------|------------------|--------------------------|--------------------|----------------|
| GW A9 705 | KNX/IP interface | <500 mW | 1 | 1/8 |

CHARACTERISTICS: equipped with RJ45 port.

APPLICATIONS: for connecting a PC via LAN to the KNX BUS. Supports up to 5 simultaneous connections. To be used with the HAPPY HOME app for smartphones and tablets (available for Android and iOS) to manage the KNX domotic system via LAN and WiFi access points, or from a distance. The app can also be used with the codes GW90767 and GW90767AP.

NOTES: equipped with coupling terminal for connection to bus.

Chorus - Building Automation

SYSTEM SUPERVISION

TOUCH SCREEN-PANELS



GW 12 010 CB

MASTER ICE TOUCH PANELS - KNX COMMAND AND VISUALISATION FUNCTION

| Code | Supply voltage | Display | Colour | Pack Carton |
|--------------|----------------|---------|--------|-------------|
| GW 12 015 CB | 18-32 V dc | 15" | White | 1 |
| GW 12 015 CN | 18-32 V dc | 15" | Black | 1 |
| GW 12 010 CB | 18-32 V dc | 10" | White | 1 |
| GW 12 010 CN | 18-32 V dc | 10" | Black | 1 |

CHARACTERISTICS: TFT colour touchscreen control panel in format 4:3, backlight with LEDs. Used for the supervision, command and control of the KNX system, and includes the basic function of an indoor video entryphone monitor. Display of commands and statuses via icons on maps, images and plans. Used for the remote control of the domotic system, via the Internet: Master Ice can be accessed via specific apps (for smartphones and tablets) or via a PC (with a web browser). Both services are subject to a cost, but allow you to manage all the functions (lights, roller shutters, climate control, burglar alarm, video cameras, etc.) apart from certain specific data. Contact the Gewiss technical service for a full list of the video entryphone functions and the functions that can be remotely controlled via apps. Microsoft® Windows 8 operating system, video resolution 1024x768, 2 Ethernet ports 10/100/1000 Mb/s, 2 USB ports 2.0, 1 HDMI port, 1 Line-out audio output, 1 input for microphone, direct connection to the KNX BUS. The panels are equipped with the pre-loaded Easydom Next Home Elite SW licence. The MASTER ICE panel must be installed in BUS systems configured with ETS software. Powered from an external power supply (e.g. GW90802).

APPLICATIONS: local and remote (via the Internet) control of the KNX system, lighting management, roller shutters, thermoregulation, scenes, timed programming, automatic sending of e-mails relating to operations, visualisation of the images from the telecameras, visualisation of energy consumption values, control of the burglar alarm system, access to multimedia contents, City Vision indoor video entryphone monitor (intercom or video inclusion functions not available).

NOTES: GW12010CB/CN: to be used in combination with the flush-mounting box GW24101 or GW24101PM (not included). GW12015CB/CN: to be used in combination with the flush-mounting box GW24102 or GW24102PM (not included). In order to use the Master Ice panels as indoor video entryphone monitor in the City Vision system, the system must include the LAN interface (GW19356) and VoIP server (GW19357).



GW 10 961 WH

NAXOS DOMO TOUCH PANELS - KNX/EASY COMMAND AND VISUALISATION FUNCTION

| Code | Supply voltage | Display | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|-------------------------------------|---------|--------|-----------------------|-------------|
| GW 10 961 WH | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | White | 163x106x31 | 1 |
| GW 12 961 BK | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | Black | 163x106x31 | 1 |

CHARACTERISTICS: KNX system command and visualisation panels with 4.3" colour touchscreen LCD display. To be configured with ETS software or EASY controller. Powered from an external power supply (e.g. GW19305).

APPLICATIONS: ON-OFF commands, roller shutters, dimmers, control commands for temperature adjustment, timed thermostat function (to be used in combination with a KNX temperature sensor), scenes (storage and activation), timers, logic functions, management of independent inputs and outputs. Also used to control the burglar alarm system, the energy management and the load control.

NOTES: wall-mounting. To fix it, use flush-mounting boxes - round Ø 60mm (e.g. GW24232), square (e.g. GW24231), rectangular (e.g. GW24403) - or fix directly on the wall with the aid of wall plugs.



GW 10 962 WH

NAXOS COMBI INDOOR TOUCH MONITORS - VIDEO ENTRYPHONE + KNX/EASY COMMAND AND VISUALISATION FUNCTION

| Code | Supply voltage | Display | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|-------------------------------------|---------|--------|-----------------------|-------------|
| GW 10 962 WH | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | White | 203x108x31 | 1 |
| GW 12 962 BK | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | Black | 203x108x31 | 1 |

CHARACTERISTICS: the devices combine the functions of a KNX command and visualisation panel with those of an indoor video entryphone monitor with speakerphone. For the characteristics of the video entryphone part, refer to the NAXOS indoor monitor (GW19201WH/BK). To be configured with ETS software or Easy controller. Powered from an external power supply (e.g. GW19305).

APPLICATIONS: ON-OFF commands, roller shutters, dimmers, control commands for temperature adjustment, timed thermostat function (to be used in combination with a KNX temperature sensor), scenes (storage and activation), timers, logic functions, management of independent inputs and outputs. Also used to control the burglar alarm system, the energy management and the load control.

NOTES: wall-mounting. To fix it, use flush-mounting boxes - round Ø 60mm (e.g. GW24232), square (e.g. GW24231), rectangular (e.g. GW24403) - or fix directly on the wall with the aid of wall plugs.

MASTER ICE - ACCESSORIES



GW 90 802

POWER SUPPLY - DIN RAIL MOUNTING

| Code | Input voltage | Rated coil voltage (V) | No. DIN modules | Pack Carton |
|-----------|----------------------|------------------------|-----------------|-------------|
| GW 90 802 | 100/240 V - 50/60 Hz | 24V dc - 2.5 A | 4.5 | 1 |

CHARACTERISTICS: protected against input overvoltages and output short-circuiting.

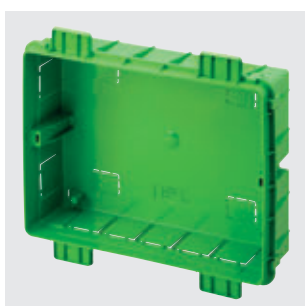
NOTES: used to power up Master ICE.



GW 24 101

FLUSH-MOUNTING BOX FOR MASONRY WALLS

| Code | For panels | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|-----------|----------------|-----------------------|-----------------|-------------|
| GW 24 101 | Master ICE 10" | 306x238x80 | Halogen free | 1/14 |
| GW 24 102 | Master ICE 15" | 396x306x85 | Halogen free | 1/6 |



GW 24 101 PM

FLUSH-MOUNTING BOX FOR PLASTERBOARD WALLS

| Code | For panels | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|--------------|----------------|-----------------------|-----------------|-------------|
| GW 24 101 PM | Master ICE 10" | 306x238x80 | Halogen free | 1/14 |
| GW 24 102 PM | Master ICE 15" | 396x306x85 | Halogen free | 1/6 |

NOTES: with fixing tabs on a metallic structure for lightweight and plasterboard walls.

NAXOS ACCESSORIES



GW 19 305

POWER SUPPLY - DIN RAIL MOUNTING

| Code | Input voltage | Output voltage | No. DIN modules | Pack Carton |
|-----------|--------------------|---------------------|-----------------|-------------|
| GW 19 305 | 230V ac - 50/60 Hz | 18 V dc - 0.5 A max | 3 | 1 |

CHARACTERISTICS: protected against overloads and short-circuiting. Supplies 350mA (500mA in intermittent service).

NOTES: to be used to power NAXOS indoor monitors (GW19201WH/BK), NAXOS COMBI (GW10962WH and GW12962BK), NAXOS for porter's desk (GW19202WH and GW19202BK) and NAXOS DOMO panels (GW10961WH and GW12961BK).

SOFTWARE



GW 12 691

KNX SUPERVISION SOFTWARE

| Code | Description | Pack Carton |
|-----------|--|----------------|
| GW 12 691 | Software Easydom Next Home (Vers. Base) | 1 |
| GW 12 692 | Software Easydom Next Home Elite (Vers. Plus) | 1 |
| GW 12 693 | Software upgrade from Easydom Next Home to Easydom Next Home Elite (from Base to Plus) | 1 |

CHARACTERISTICS: software for KNX system supervision. For further information about the hardware requisites of the machines the software can be installed on, refer to the product technical documentation.
GW12692: produces the same domotic functions as Master Ice.
GW12691: produces a sub-set of the Master Ice domotic functions.
Neither code provides the indoor video entryphone function.

COMMAND DEVICES

TOUCH PUSH-BUTTON PANELS



GW A9 421

KNX 6-CHANNELS TOUCH PUSH-BUTTON PANEL MODULE WITH INTERCHANGEABLE SYMBOLS

| Code | No. channels | No. Chorus modules | Pack Carton |
|-----------|--------------|--------------------|-------------|
| GW A9 421 | 6 | 3 | 1 |

CHARACTERISTICS: KNX module with 6 independent channels. Each channel is associated with an RGB night-time backlit LED or a status display LED for the commanded load. Each channel can be personalised using a set of adhesive icons. To be completed with the glass ICE Touch KNX plate (code GW16946CB, GW16946CN, GW16946CT). The device's touch commands can only be activated with the plate mounted: therefore, to configure the module the ICE Touch KNX plates or alternative the test plate (GW16950) must be used. To be configured with ETS software.

APPLICATIONS: used for sending ON-OFF commands with fronts management, switching commands and sequences, timed commands, multiple pressing, priority commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button) and scenes (storage and activation).

NOTES: equipped with coupling terminal with protection lid, for connection to BUS, and with set of icons to personalise the functions of each channel.



GW 16 946 CB

ICE TOUCH KNX - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|---------------|-------------------|-------------|
| GW 16 946 CB | 6 touch areas | GW16803 | 1 |

CHARACTERISTICS: plates made in glass with a glossy finish, used to complete the touch push-button panel modules - KNX (GWA9421) or Easy (GWA9471). The plates have 6 capacitive touch areas.

NOTES: the symbols shown in the picture are indicative only: they can be personalised using the set of adhesive icons included in the touch push-button module package. The code of the plate is unique and independent from the number of channels that you want to activate (from 1 to 6).



GW 16 946 CN

ICE TOUCH KNX - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|---------------|-------------------|-------------|
| GW 16 946 CN | 6 touch areas | GW16803 | 1 |

CHARACTERISTICS: plates made in glass with a glossy finish, used to complete the touch push-button panel modules - KNX (GWA9421) or Easy (GWA9471). The plates have 6 capacitive touch areas.

NOTES: the symbols shown in the picture are indicative only: they can be personalised using the set of adhesive icons included in the touch push-button module package. The code of the plate is unique and independent from the number of channels that you want to activate (from 1 to 6).



GW 16 946 CT

ICE TOUCH KNX - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|---------------|-------------------|-------------|
| GW 16 946 CT | 6 touch areas | GW16803 | 1 |

CHARACTERISTICS: plates made in glass with a glossy finish, used to complete the touch push-button panel modules - KNX (GWA9421) or Easy (GWA9471). The plates have 6 capacitive touch areas.

NOTES: the symbols shown in the picture are indicative only: they can be personalised using the set of adhesive icons included in the touch push-button module package. The code of the plate is unique and independent from the number of channels that you want to activate (from 1 to 6).

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GW 16 950

TEST PLATE FOR KNX AND EASY 6-CHANNEL TOUCH PUSH-BUTTON PANEL MODULES WITH INTERCHANGEABLE SYMBOLS

| Code | Description | For support codes | Pack Carton |
|-----------|-------------|-------------------|-------------|
| GW 16 950 | Test plate | GW16803 | 12 |

CHARACTERISTICS: plate in transparent plastic, with 6 capacitive touch areas.

NOTES: to be used for configuring the touch push-button panel modules - KNX (GWA9421) or Easy (GWA9471) - if the ICE touch KNX glass plates are not available in the system.



GW 10 746

KNX 6-CHANNEL TOUCH PUSH-BUTTON PANEL MODULE

| Code | No. channels | No. Chorus modules | Pack Carton |
|-----------|--------------|--------------------|-------------|
| GW 10 746 | 6 | 3 | 1 |

CHARACTERISTICS: KNX module with 6 independent channels, with touch commands (capacitive) and temperature sensor. Each channel is associated with an amber/blue LED for night-time backlit or to show the status of the commanded load. To be completed with Italian standard ICE Touch KNX glass plate (code GW16962CB, GW16964CB, GW16966CB, GW16962CN, GW16964CN, GW16966CN, GW16962CT, GW16964CT, GW16966CT). To be configured with ETS software.

APPLICATIONS: allows you to send ON-OFF commands with fronts management, switchover commands, timed commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation).

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 16 966 CB

ICE TOUCH KNX - WHITE

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 962 CB | 2 symbols | GW16803 | 1 |
| GW 16 964 CB | 4 symbols | GW16803 | 1 |
| GW 16 966 CB | 6 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish, used to complete the touch push-button panel modules - KNX (GW10746) or Easy (GW10741).



GW 16 966 CN

ICE TOUCH KNX - BLACK

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 962 CN | 2 symbols | GW16803 | 1 |
| GW 16 964 CN | 4 symbols | GW16803 | 1 |
| GW 16 966 CN | 6 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish, used to complete the touch push-button panel modules - KNX (GW10746) or Easy (GW10741).



GW 16 966 CT

ICE TOUCH KNX - TITANIUM

| Code | Description | For support codes | Pack Carton |
|--------------|-------------|-------------------|-------------|
| GW 16 962 CT | 2 symbols | GW16803 | 1 |
| GW 16 964 CT | 4 symbols | GW16803 | 1 |
| GW 16 966 CT | 6 symbols | GW16803 | 1 |

CHARACTERISTICS: plates in glass and with a glossy finish, used to complete the touch push-button panel modules - KNX (GW10746) or Easy (GW10741).

CONTACT INTERFACES



GW 90 721 A

KNX 2- AND 4-CHANNEL CONTACTS INTERFACES

| Code | No. input channels | No. output channels | Max cable length | Dimensions LxHxD (mm) | Pack Carton |
|-------------|--------------------|---------------------|------------------|-----------------------|-------------|
| GW 90 727 | 2 | 2 | 10 m | 38x32x14 | 1 |
| GW 90 721 A | 4 | 4 | 10 m | 38x32x14 | 1 |

CHARACTERISTICS: BUS interfaces for connecting 2 or 4 push-buttons or conventional potential-free contacts. The reading voltage (SELV) is generated inside the device. For each input, an output is available for powering a low absorption LED (lower than 1mA such as, for example, GW10886, GW10887, GW10888, GW10889, GW10890) for displaying the status of the load commanded. To be configured with ETS software.

APPLICATIONS: for sending ON-OFF commands with fronts management, switching commands and sequences, brief / prolonged contact closure management, timed commands, priority commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button), scenes (storage and activation), impulse count, output LED control, acquisition of temperature values via NTC sensor (GW90721A only). Installation in flush-mounting box, junction boxes or embedded in the blanking modules GW10571, GW12571, GW14571. The slot on the plastic casing also allows it to be fixed with screws.

NOTES: equipped with coupling terminal for connection to the BUS, and unshielded cables for connecting the inputs, of length 30 cm extendible to 10m with unshielded twisted cable.



GW 90 728

KNX 8-CHANNEL (4 DIGITAL + 4 UNIVERSAL) INPUT MODULE - IP20 - DIN RAIL MOUNTING

| Code | No. input channels | No. universal input channels | No. output channels | No. DIN modules | Pack Carton |
|-----------|--------------------|------------------------------|---------------------|-----------------|-------------|
| GW 90 728 | 4 | 4 | 4 | 4 | 1 |

CHARACTERISTICS: the module has 4 digital inputs for push-buttons or conventional potential-free contacts and 4 universal input channels. The universal input channels can be configured as inputs for push-buttons or conventional potential-free contacts, analogue inputs (0..20mA, 4..20mA, 0..10V, 0..1V), digital inputs for measurement devices with S0 interface, inputs for NTC probe sensors that can be used for controlling the same number of thermoregulation areas. The module is provided also with 4 PWM outputs for LEDs (3.3V) for signalling the status of the loads. The device has 8 amber LEDs for signalling the status of the inputs. To be configured with ETS software.

APPLICATIONS: the input channels are used for sending ON-OFF commands with fronts management, switching commands and sequences, brief / prolonged contact closure management, timed commands, priority commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button), scenes (storage and activation), impulse count.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 729

KNX 8-CHANNEL AC/DC VOLTAGE INPUT MODULE - IP20 - DIN RAIL MOUNTING

| Code | No. input channels | Input voltage | Max cable length | No. DIN modules | Pack Carton |
|-----------|--------------------|-------------------------|------------------|-----------------|-------------|
| GW 90 729 | 8 | 24-48 V dc, 24-230 V ac | 100 m | 4 | 1 |

CHARACTERISTICS: BUS interface module for connecting 8 push-buttons or conventional live contacts. The device has 8 amber LEDs for signalling the status of the inputs. To be configured with ETS software.

APPLICATIONS: for sending ON-OFF commands with fronts management, switching commands and sequences, brief / prolonged contact closure management, timed commands, priority commands, thermoregulation commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button), scenes (storage and activation), impulse count.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 10 886

MINIATURE LAMPS WITH WIRED LEAD AND LED LAMP

| Code | Supply voltage | Lamp | Colour | Cable Colour | Pack Carton |
|-----------|----------------|------|--------|---------------|-------------|
| GW 10 886 | 3.3V dc | LED | Blue | Blue - Black | 50 |
| GW 10 887 | 3.3V dc | LED | White | White - Black | 50 |
| GW 10 888 | 3.3V dc | LED | Red | Red - Black | 50 |
| GW 10 889 | 3.3V dc | LED | Green | Green - Black | 50 |
| GW 10 890 | 3.3V dc | LED | Amber | Amber - Black | 50 |

NOTES: the miniature lamps are equipped with power cables.
If connected with the interfaces GW90721, GW90834, GW90721A, GW90727, GW90834A, GW90833 they do not require the use of a current limiting resistance. In this case, the maximum current consumption is less than 1mA.



GW 14 751

BLANKING MODULES FOR HOUSING 2- AND 4-CHANNEL CONTACT INTERFACE

| Code | Colour | No. Chorus modules | Pack Carton |
|-----------|----------|--------------------|-------------|
| GW 10 751 | White | 1 | 5/200 |
| GW 12 751 | Black | 1 | 5/200 |
| GW 14 751 | Titanium | 1 | 5/200 |

CHARACTERISTICS: 1-gang blanking module with pad printing KNX/EIB.
Allows the housing and fast identification of the 2- and 4-channel contact interface.
NOTES: embedded coupling.

PUSH-BUTTON PANELS



GW 14 783 A

KNX 6-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS

| Code | Colour | No. channels | No. Chorus modules | Pack Carton |
|-------------|----------|--------------|--------------------|-------------|
| GW 10 783 A | White | 6 | 3 | 1 |
| GW 12 783 A | Black | 6 | 3 | 1 |
| GW 14 783 A | Titanium | 6 | 3 | 1 |

CHARACTERISTICS: KNX module with 6 independent channels, with replaceable button keys and built-in temperature sensor. Each channel is associated with an amber/green night-time locating LED or a status display LED for the commanded load. To be configured with ETS software. The package includes 3 replaceable button keys (GW1x553) and 10 lens with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (suited for 1 or 2 lens, with 2 diffusers, 1- or 2-module) or with other lens in the catalogue.

APPLICATIONS: allows you to send ON-OFF commands with fronts management, switching commands and sequences, brief/prolonged contact closure management, timed commands, priority commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation).

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 14 784 A

KNX 6-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS + ACTUATOR

| Code | Colour | No. channels | Output contacts | No. Chorus modules | Pack Carton |
|-------------|----------|--------------|------------------------|--------------------|-------------|
| GW 10 784 A | White | 6+1 | 1NO/NC 10A(AC1) 230Vac | 3 | 1 |
| GW 12 784 A | Black | 6+1 | 1NO/NC 10A(AC1) 230Vac | 3 | 1 |
| GW 14 784 A | Titanium | 6+1 | 1NO/NC 10A(AC1) 230Vac | 3 | 1 |

CHARACTERISTICS: KNX module with 6 independent channels, with replaceable button keys and 1-channel ON/OFF actuator. Each channel is associated with an amber/green night-time locating LED or a status display LED for the commanded load. One pair of keys can be used for local actuator command. The actuator manages the load via a potential-free output contact (NO). To be configured with ETS software. The package includes 3 replaceable button keys (GW1x553) and 10 lens with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (suited for 1 or 2 lens, with 2 diffusers, 1- or 2-module) or with other lens in the catalogue.

APPLICATIONS: the push-button panel allows you to send ON-OFF commands with fronts management, switching commands and sequences, brief/prolonged contact closure management, timed commands, priority commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation). The actuator allows the execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands and scene management commands.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 14 785 A

KNX 6-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS + ROLLER SHUTTER ACTUATOR

| Code | Colour | No. channels | Max current supplied | No. Chorus modules | Pack Carton |
|-------------|----------|--------------|-------------------------------|--------------------|-------------|
| GW 10 785 A | White | 6+1 | 6A-230V ac (compl. 60669-2-1) | 3 | 1 |
| GW 12 785 A | Black | 6+1 | 6A-230V ac (compl. 60669-2-1) | 3 | 1 |
| GW 14 785 A | Titanium | 6+1 | 6A-230V ac (compl. 60669-2-1) | 3 | 1 |

CHARACTERISTICS: KNX module with 6 independent channels, with replaceable button keys and 1-channel roller shutter actuator. Each channel is associated with an amber/green night-time locating LED or a status display LED for the commanded load. One pair of keys can be used for local actuator command. The actuator manages a motor to move roller-shutters, curtains, venetian blinds, rolling blinds, etc. via 2 potential-free interlocked output contacts (NO). To be configured with ETS software. The package includes 3 replaceable button keys (GW1x553) and 10 lens with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (suited for 1 or 2 lens, with 2 diffusers, 1- or 2-module) or with other lens in the catalogue.

APPLICATIONS: the push-button panel allows you to send ON-OFF commands with fronts management, switching commands and sequences, brief/prolonged contact closure management, timed commands, priority commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation). The actuator allows the execution of commands of movements/adjustment/stopping, along with priority commands, scene management and alarm signalling commands.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 14 787

KNX 4-CHANNEL PUSH-BUTTON PANELS WITH INTERCHANGEABLE SYMBOLS

| Code | Colour | No. channels | No. Chorus modules | Pack Carton |
|-----------|----------|--------------|--------------------|-------------|
| GW 10 787 | White | 4 | 2 | 1 |
| GW 12 787 | Black | 4 | 2 | 1 |
| GW 14 787 | Titanium | 4 | 2 | 1 |

CHARACTERISTICS: KNX module with 4 independent channels, with replaceable button keys. Each channel is associated with a RGB LED for night-time locating or status display for the commanded load. To be configured with ETS software. The package includes 2 replaceable button keys (GW1x553) and 10 lens with illuminated symbols (2 x GW10502A, 1 x GW10509A, 1 x GW10510A, 1 x GW10513A, 1 x GW10514A, 1 x GW10519A, 1 x GW10520A, 1 x GW10529A, 1 x GW10530A). You can still customize the module with other type of replaceable button keys (arranged for 1 or 2 lens, with 2 diffusers, 1 or 2 modules) or with other lens in the catalogue.

APPLICATIONS: allows you to send ON-OFF commands with fronts management, switching commands and sequences, brief/prolonged contact closure management, timed commands, priority commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation).

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

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GW 14 553

REPLACEABLE BUTTON KEYS FOR PUSH-BUTTON PANELS

| Code | Colour | Button key | No. Chorus modules | Pack Carton |
|-----------|----------|-----------------------------|--------------------|-------------|
| GW 10 551 | White | To be completed with lens | 1 | 5/50 |
| GW 12 551 | Black | To be completed with lens | 1 | 4/48 |
| GW 14 551 | Titanium | To be completed with lens | 1 | 4/48 |
| GW 10 552 | White | To be completed with lens | 2 | 5/50 |
| GW 12 552 | Black | To be completed with lens | 2 | 4/48 |
| GW 14 552 | Titanium | To be completed with lens | 2 | 4/48 |
| GW 10 553 | White | To be completed with 2 lens | 1 | 4/48 |
| GW 12 553 | Black | To be completed with 2 lens | 1 | 4/48 |
| GW 14 553 | Titanium | To be completed with 2 lens | 1 | 4/48 |
| GW 10 554 | White | To be completed with 2 lens | 2 | 4/48 |
| GW 12 554 | Black | To be completed with 2 lens | 2 | 4/48 |
| GW 14 554 | Titanium | To be completed with 2 lens | 2 | 4/48 |
| GW 10 557 | White | With 2 diffusers | 1 | 4/48 |
| GW 12 557 | Black | With 2 diffusers | 1 | 4/48 |
| GW 14 557 | Titanium | With 2 diffusers | 1 | 4/48 |

NOTES: to be used for the customization of Easy (GW1x753A, GW1x754A, GW1x755A, GW1x757) and KNX (GW1x783A, GW1x784A, GW1x785A, GW1x787) 6 and 4-channel push-button panels with interchangeable symbols.



LENS WITH ILLUMINATED SYMBOLS

| Code | Symbol | Pack Carton |
|-------------|---------------------|-------------|
| GW 10 501 A | Transparent | 24 |
| GW 10 502 A | Light | 24 |
| GW 10 503 A | Stair light | 24 |
| GW 10 504 A | Table light | 24 |
| GW 10 505 A | Bell | 24 |
| GW 10 506 A | Burglar alarm | 24 |
| GW 10 507 A | Key | 24 |
| GW 10 508 A | ON OFF | 24 |
| GW 10 509 A | ON | 24 |
| GW 10 510 A | OFF | 24 |
| GW 10 511 A | Socket-outlet | 24 |
| GW 10 512 A | Dimmers | 24 |
| GW 10 513 A | Dimmer increase | 24 |
| GW 10 514 A | Dimmer decrease | 24 |
| GW 10 515 A | Arrow | 24 |
| GW 10 516 A | Open | 24 |
| GW 10 517 A | Close | 24 |
| GW 10 518 A | Roller shutter | 24 |
| GW 10 519 A | Roller shutter up | 24 |
| GW 10 520 A | Roller shutter down | 24 |
| GW 10 521 A | Curtain open | 24 |
| GW 10 522 A | Curtain close | 24 |
| GW 10 523 A | Floor light | 24 |
| GW 10 524 A | Ceiling light | 24 |
| GW 10 525 A | Wall light | 24 |
| GW 10 526 A | Aisle light | 24 |
| GW 10 527 A | Scenario | 24 |
| GW 10 528 A | Party | 24 |
| GW 10 529 A | In | 24 |
| GW 10 530 A | Out | 24 |
| GW 10 531 A | Good morning | 24 |
| GW 10 532 A | Good night | 24 |
| GW 10 533 A | TV | 24 |
| GW 10 534 A | Heating | 24 |
| GW 10 535 A | Cooling | 24 |
| GW 10 536 A | Heating/Cooling | 24 |
| GW 10 537 A | Comfort | 24 |
| GW 10 538 A | Precomfort | 24 |
| GW 10 539 A | Economy | 24 |
| GW 10 540 A | Auto | 24 |

NOTES: to be used for the customization of the button keys of Easy (GW1x753A, GW1x754A, GW1x755A, GW1x757) and KNX (GW1x783A, GW1x784A, GW1x785A, GW1x787) 6 and 4-channel push-button panels with interchangeable symbols.



GW 14 782

KNX 4-CHANNEL PUSH-BUTTON PANELS

| Code | Colour | No. channels | No. Chorus modules | Pack Carton |
|-----------|----------|--------------|--------------------|-------------|
| GW 10 782 | White | 4 | 2 | 1 |
| GW 12 782 | Black | 4 | 2 | 1 |
| GW 14 782 | Titanium | 4 | 2 | 1 |

CHARACTERISTICS: push-button panel with 4 button keys/4 channels. Each button key is associated with an amber LED for night-time backlit, and a green LED to display the status of the commanded load. To be configured with ETS software.

APPLICATIONS: allows you to send ON-OFF commands with fronts management, switchover commands, timed commands, commands for roller shutter management (single or double push-button), dimmers (single or double push-button) and scenes (memorisation and activation).

NOTES: equipped with coupling terminal with protection lid, for connection to BUS, and with set of icons to personalise the button key functions.

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ELECTRONIC PUSH-BUTTONS



GW 14 915

UNIVERSAL ELECTRONIC PUSH-BUTTONS

| Code | Colour | Type of contact | Type of use | Button key | No. Chorus modules | Pack Carton |
|-----------|----------|-----------------|--|------------|--------------------|-------------|
| GW 10 915 | White | Potential-free | Relay, dimmer, bus contacts interfaces | Neutral | 1 | 1/12 |
| GW 12 915 | Black | Potential-free | Relay, dimmer, bus contacts interfaces | Neutral | 1 | 1/12 |
| GW 14 915 | Titanium | Potential-free | Relay, dimmer, bus contacts interfaces | Neutral | 1 | 1/12 |

CHARACTERISTICS: push-button suitable for connection of KNX BUS contacts interfaces, or the command of bistable relays, electronic one-way switches for heavy duty loads, or dimmers with a remote control input. Output contact 4A (AC1) - 230 V ac.



GW 14 913

BACKLIT ELECTRONIC PUSH-BUTTONS FOR BUS INPUTS

| Code | Colour | Type of contact | Type of use | Button key | Pack Carton |
|------|--------|-----------------|-------------|------------|-------------|
|------|--------|-----------------|-------------|------------|-------------|

No. Chorus modules: 1

| | | | | | |
|-----------|----------|----------------|-------------------------|-------------------------------|------|
| GW 10 913 | White | Potential-free | Bus contacts interfaces | With diffuser | 1/12 |
| GW 12 913 | Black | Potential-free | Bus contacts interfaces | With diffuser | 1/12 |
| GW 14 913 | Titanium | Potential-free | Bus contacts interfaces | With diffuser | 1/12 |
| GW 10 916 | White | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/12 |
| GW 12 916 | Black | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/12 |
| GW 14 916 | Titanium | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/12 |

No. Chorus modules: 2

| | | | | | |
|-----------|----------|----------------|-------------------------|-------------------------------|-----|
| GW 10 917 | White | Potential-free | Bus contacts interfaces | With diffuser | 1/6 |
| GW 12 917 | Black | Potential-free | Bus contacts interfaces | With diffuser | 1/6 |
| GW 14 917 | Titanium | Potential-free | Bus contacts interfaces | With diffuser | 1/6 |
| GW 10 918 | White | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/6 |
| GW 12 918 | Black | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/6 |
| GW 14 918 | Titanium | Potential-free | Bus contacts interfaces | With replaceable neutral lens | 1/6 |

CHARACTERISTICS: push-button for BUS inputs, suitable for KNX BUS contact interface connections. Equipped with 2-colour (amber/green) LED with colour selector (can be set up to work as a night-time localisation lamp or to indicate the load status).



GW 14 914

DUAL ELECTRONIC PUSH-BUTTONS

| Code | Colour | Type of contact | Button key | Symbol | No. Chorus modules | Pack Carton |
|-----------|----------|---|------------|-----------|--------------------|-------------|
| GW 10 914 | White | Dual, potential-free and with interlock | Neutral | UP - DOWN | 1 | 1/12 |
| GW 12 914 | Black | Dual, potential-free and with interlock | Neutral | UP - DOWN | 1 | 1/12 |
| GW 14 914 | Titanium | Dual, potential-free and with interlock | Neutral | UP - DOWN | 1 | 1/12 |

CHARACTERISTICS: double push-button suitable for connection of KNX BUS contacts interfaces or electronic control panels for moving roller shutters.

RF RECEIVERS



GW 14 798

KNX 8-CHANNEL WIRELESS RECEIVERS

| Code | Colour | No. RF input channels | No. Chorus modules | Pack Carton |
|-----------|----------|-----------------------|--------------------|-------------|
| GW 10 798 | White | 8 | 2 | 1 |
| GW 12 798 | Black | 8 | 2 | 1 |
| GW 14 798 | Titanium | 8 | 2 | 1 |

CHARACTERISTICS: 8-channel radio receiver for interfacing the RF Chorus System command devices with the KNX system actuators.

Each radio input channel can be associated with up to 4 command devices. To be configured with ETS software.

APPLICATIONS: allows you to send ON-OFF commands with front management, inversion commands, timed commands, priority commands and commands for managing roller shutters, dimmers and scenes (storage and activation).

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

To be used in combination with: RF push-button panel, RF remote controls, RF movement detectors, RF timed thermostats and RF input modules.

SENSORS

MOVEMENT



GW 14 786

KNX IR MOVEMENT DETECTORS WITH TWILIGHT SENSOR

| Code | Colour | Recovery time | Threshold adjustment | No. Chorus modules | Pack Carton |
|------------------|----------|---------------|----------------------|--------------------|-------------|
| GW 10 786 | White | 10s - 1min | 10 - 500 lux | 2 | 1 |
| GW 12 786 | Black | 10s - 1min | 10 - 500 lux | 2 | 1 |
| GW 14 786 | Titanium | 10s - 1min | 10 - 500 lux | 2 | 1 |

CHARACTERISTICS: movement sensor with detection conditioned by the light threshold value set. Adjustable lens. Operating range: 10m.

Vertical bearing angle: 30°. Horizontal bearing angle: 105°. Light threshold value adjustable by means of the frontal access trimmer or ETS parameter.

The cycle time can be set via ETS and modified ($\pm 50\%$) via the front access trimmer.

Front green LED signals movement detection and command entry. To be configured with ETS software.

APPLICATIONS: allows you to send timed commands to the movement detector.

The device is able to manage a safety pause upon the deactivation of the controlled load. For installation indoors.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 787

KNX OUTDOOR MOVEMENT DETECTORS WITH TWILIGHT SENSOR - IP55

| Code | Max range | Light sensor | Colour | Pack Carton |
|------------------|-----------|---------------|--------|-------------|
| GW 90 787 | 16 m | 3...1.000 lux | White | 1 |

CHARACTERISTICS: wall and ceiling-mounting, without additional accessories.

Angled fixing by means of the accessory GW90782. Spherical head that can be adjusted horizontally, vertically and along its axis, to adapt the operating range to the environmental conditions.

Limitation of the single lens sectors by means of a flexible cover cap. Manual timing: from 1 second to 8 minutes; Via ETS: from 3 seconds to 152 hours.

APPLICATIONS: to check areas, with a surveillance range of 220°. For the first 4 metres, the surveillance range is 360°.

NOTES: equipped with coupling terminal for connection to BUS. Cover plate and cover cap for limiting the operating range; screws and wall plugs.



GW 90 782

MOUNTING BRACKET FOR KNX OUTDOOR MOVEMENT DETECTOR

| Code | Suitable for | Pack Carton |
|------------------|--------------|-------------|
| GW 90 782 | GW90787 | 1 |

APPLICATIONS: for fixing the outdoor movement detector on inner and outer angles. Possibility of mounting on conduits, using brackets available on the market.

NOTES: screws and wall plugs included.



GW A9 531

KNX PRESENCE SENSOR WITH CONSTANT BRIGHTNESS CONTROL - CEILING MOUNTING

| Code | Max. assembly height (m) | Light sensor | Dimensions HxØ (mm) | Colour | Pack Carton |
|------------------|--------------------------|----------------|---------------------|--------|-------------|
| GW A9 531 | 2.5 | 10...1.200 lux | 50x98 | White | 1 |

CHARACTERISTICS: detection field: 360° circular shape; range of action: max. 10 m (tangential approach), max. 6 m (radial approach), max. 4 m (for presence detection in a fixed position). Ceiling installation.

APPLICATIONS: for environments where it is necessary to keep the lighting level constant (lux).

NOTES: equipped with coupling terminal for connection to BUS.

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GW A9 532

KNX MOVEMENT SENSOR WITH CONSTANT BRIGHTNESS CONTROL - CEILING MOUNTING FOR GREAT HEIGHTS

| Code | Max. assembly height (m) | Light sensor | Dimensions HxD (mm) | Colour | Pack Carton |
|-----------|--------------------------|----------------|---------------------|--------|-------------|
| GW A9 532 | 9 | 10...1.200 lux | 65x98 | White | 1 |

CHARACTERISTICS: detection field: 360° oval shape; range of action: max. 22x44 m (tangential approach). Ceiling installation.

APPLICATIONS: for rooms equipped with high ceilings (up to 9 m), where it is necessary to keep the lighting level constant (lux).

NOTES: equipped with coupling terminal for connection to BUS.



GW A9 540

IR REMOTE CONTROL (TRANSMITTER)

| Code | Suitable for | Max range | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|-----------|-----------------------|-------------|
| GW A9 540 | GWA9531-GWA9532 | 6 m | 60x80x8 | 1 |

APPLICATIONS: for the infrared control of presence sensors GWA9531 and movement sensors GWA9532.

NOTES: powered by a lithium battery CR2032 (included).



GW A9 541

ASSEMBLY ACCESSORY IP54

| Code | Suitable for | Colour | Pack Carton |
|-----------|-----------------|--------|-------------|
| GW A9 541 | GWA9531-GWA9532 | White | 1 |

APPLICATIONS: IP54 adapter for the GWA9531 and GWA9532 sensors.



GW A9 542

ASSEMBLY ACCESSORY IP65

| Code | Suitable for | Colour | Pack Carton |
|-----------|--------------|--------|-------------|
| GW A9 542 | GWA9532 | White | 1 |

APPLICATIONS: IP65 adapter for the GWA9532 sensor.

ACTUATORS

ACTUATORS FOR GENERIC LOADS



GW 14 796

KNX 1-CHANNEL 16A ACTUATORS

| Code | Colour | Output contacts | No. Chorus modules | Pack Carton |
|-----------|----------|------------------------|--------------------|-------------|
| GW 10 796 | White | 1NO/NC 16A(AC1) 230Vac | 2 | 1 |
| GW 12 796 | Black | 1NO/NC 16A(AC1) 230Vac | 2 | 1 |
| GW 14 796 | Titanium | 1NO/NC 16A(AC1) 230Vac | 2 | 1 |

CHARACTERISTICS: 1-channel actuator for activating loads via a potential-free output contact (NO/NC).

Equipped with a front push-button for local command, a indicator LED for output contact closure and night-time backlit LED. To be configured with ETS software.

APPLICATIONS: execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, lockout commands, safety functions, logic functions.

For discharge lamps and compensated fluorescent lamps, use a support relay.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 741

KNX 4-CHANNEL 10A ACTUATOR - IP20 - DIN RAIL MOUNTING

| Code | No. output channels | Output contacts | No. DIN modules | Pack Carton |
|-----------|---------------------|---------------------|-----------------|-------------|
| GW 90 741 | 4 | 4NO 10A(AC1) 230Vac | 4 | 1 |

CHARACTERISTICS: 4-channel actuator for activating loads via potential-free output contacts (NO). Suitable for commanding incandescent lamps (230 V ac): 1500 W, halogen lamps (230 V ac): 1500 W, loads controlled from electronic transformers: 600 VA, uncompensated fluorescent lamps: 400 VA, energy saving lamps (compact fluorescent): 8x23 W. Max switchover current 10 A (cos. fi 1). Use a support relay for the compensated fluorescent lamps and for all loads that are not indicated. Equipped with front push-buttons for local implementation, and signalling LED for closure of output contact. To be configured with ETS software.

APPLICATIONS: execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, lockout commands, safety functions, logic functions.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 740 A

KNX 4-CHANNEL 16AX ACTUATOR - IP20 - DIN RAIL MOUNTING

| Code | No. output channels | Output contacts | No. DIN modules | Pack Carton |
|-------------|---------------------|-----------------|-----------------|-------------|
| GW 90 740 A | 4 | 4NO 16AX 230Vac | 4 | 1 |

CHARACTERISTICS: 4-channel actuator for activating loads via potential-free output contacts (NO). Suitable for commanding incandescent lamps (230 V ac): 3000 W, halogen lamps (230 V ac): 3000 W, loads controlled from toroidal transformers: 3000 W, loads controlled from electronic transformers: 2000 W, energy saving lamps (compact fluorescent): 80x23W. Max switchover current 16 A (AC1), 16AX (140µF ref EN 60669-1) fluorescent loads with maximum surge current 400A (200µs). Equipped with front push-buttons for local implementation, and signalling LED for closure of output contact. To be configured with ETS software.

APPLICATIONS: execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, lockout commands, safety functions, logic functions.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 742

KNX 4-CHANNEL 16AX ACTUATOR WITH MANUAL COMMAND - IP20 - DIN RAIL MOUNTING

| Code | No. output channels | Output contacts | No. DIN modules | Pack Carton |
|-----------|---------------------|-----------------|-----------------|-------------|
| GW 90 742 | 4 | 4NO 16AX 230Vac | 4 | 1 |

CHARACTERISTICS: 4-channel actuator for activating loads via potential-free output contacts (NO). Suitable for commanding incandescent lamps (230 V ac): 3000 W, halogen lamps (230 V ac): 3000 W, loads controlled from toroidal transformers: 3000 W, loads controlled from electronic transformers: 2000 W, energy saving lamps (compact fluorescent): 80x23W. Max switchover current 16 A (AC1), 16AX (140µF ref. EN 60669-1) fluorescent loads with maximum surge current 400A (200µs). Equipped with front push-buttons for manual activation, and signalling LED for closure of output contact. To be configured with ETS software.

APPLICATIONS: execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, lockout commands, safety functions, logic functions.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid). Possibility to activate the loads manually, even without the BUS voltage (230Vac auxiliary power supply required).



GW A9 108

KNX 8-CHANNEL 10 AX ACTUATOR - IP20 - DIN RAIL MOUNTING

| Code | No. output channels | Output contacts | No. DIN modules | Pack Carton |
|-----------|---------------------|-----------------|-----------------|-------------|
| GW A9 108 | 8 | 8NO 10AX 230Vac | 4 | 1 |

CHARACTERISTICS: 8-channel actuator for activating loads via potential-free output contacts (NO). Suitable for commanding incandescent lamps (230Vac): 2000W, halogen lamps (230Vac): 2000W, loads controlled from toroidal transformers: 1500W, loads controlled from electronic transformers: 1200W, energy saving lamps (compact fluorescent): 40x23W, LED lamps (230Vac): 40x10W. Max switchover current 10A (AC1), 10AX (140µF rif. EN 60669-1) fluorescent loads with maximum surge current 400A (150µs). Equipped with front push-buttons for local implementation, and signalling LED for closure of output contact. To be configured with ETS software.

APPLICATIONS: execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, lockout commands, safety functions, logic functions, counters.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

ACTUATORS FOR ROLLER SHUTTERS



GW 14 797

KNX 1-CHANNEL 6A ROLLER SHUTTER ACTUATORS

| Code | Colour | Max current supplied | No. Chorus modules | Pack Carton |
|-----------|----------|-------------------------------|--------------------|-------------|
| GW 10 797 | White | 6A-230V ac (compl. 60669-2-1) | 2 | 1 |
| GW 12 797 | Black | 6A-230V ac (compl. 60669-2-1) | 2 | 1 |
| GW 14 797 | Titanium | 6A-230V ac (compl. 60669-2-1) | 2 | 1 |

CHARACTERISTICS: 1-channel actuator to activate a motor to move roller-shutters, curtains, Venetian blinds, rolling blinds, etc. via 2 potential-free interlocked output contacts (NO). Equipped with two front push-buttons for local implementation, two LEDs to signal the closure of the outputs contacts, and two LEDs for night-time localisation. To be configured with ETS software.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 857

KNX 6A ROLLER SHUTTER ACTUATORS - 230V - IP20 - DIN RAIL MOUNTING

| Code | No. channels | Max current supplied | No. DIN modules | Pack Carton |
|-----------|--------------|-------------------------------|-----------------|-------------|
| GW 90 856 | 2 | 6A-230V ac (compl. 60669-2-1) | 4 | 1 |
| GW 90 857 | 4 | 6A-230V ac (compl. 60669-2-1) | 4 | 1 |

CHARACTERISTICS: 2- and 4-channel actuators to activate motors to move roller-shutters, curtains, venetian blinds, rolling blinds, etc. via respectively 4 and 8 potential-free interlocked output contacts (NO) With 4 (8) frontal push-buttons for local activation, and 4 (8) LEDs indicating output contact closure.

APPLICATIONS: carries out commands of movement/adjustment/stopping, along with priority commands, scene management and alarm signalling commands. Permit the management of different times for up/down movements and for slat adjustment.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

GW90857: possibility to activate the loads manually, even without the BUS voltage.

COMBINED ACTUATORS



GW 90 730

KNX 4-CHANNEL 10 A ACTUATOR + 4 UNIVERSAL INPUTS - IP 20 - DIN RAIL MOUNTING

| Code | No. universal input channels | No. output channels | Output contacts | No. DIN modules | Pack Carton |
|-----------|------------------------------|---------------------|---------------------|-----------------|-------------|
| GW 90 730 | 4 | 4 | 4NO 10A(AC1) 230Vac | 4 | 1 |

CHARACTERISTICS: the module has 4 relay 10A output channels and 4 universal input channels that can be configured as inputs for push-buttons or conventional potential-free contacts, analogue inputs (0...20mA, 4...20mA, 0...10V, 0...1V), digital inputs for measurement devices with S0 interface (max 1), inputs for NTC probe sensors (max 2) that can be used for controlling the same number of thermoregulation areas. The 4 universal input channels can also be configured as PWM outputs for LEDs (3.3V) for signalling the status of the loads. The 4 relay output channels are suitable for commanding incandescent lamps (230V AC): 1500W, halogen lamps (230V AC): 1500W, loads controlled from electronic transformers: 600 VA, uncompensated fluorescent lamps 400VA, energy saving lamps (compact fluorescent): 8x23W. Max switchover current 10 A (cos.φ 1). Use a support relay for the compensated fluorescent lamps and for all loads that are not indicated. The device has front push-buttons for the local command of the relay outputs, 4 green LEDs for signalling output contact closure, and 4 amber LEDs for signalling the status of the inputs. To be configured with ETS software.

APPLICATIONS: the input channels are used for sending ON-OFF commands with fronts management, switching commands and sequences, brief / prolonged contact closure management, timed commands, priority commands, commands for managing roller shutters (single or double push-button), dimmers (single or double push-button), scenes (storage and activation), impulse count. The output channels are used for the execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, and scene management commands.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW A9 126

KNX 6/12-CHANNEL 8 AX ACTUATOR WITH MANUAL COMMAND - IP20 - DIN RAIL MOUNTING

| Code | No. output channels | Output contacts | No. DIN modules | Pack Carton |
|-----------|---------------------|-----------------|-----------------|-------------|
| GW A9 126 | 12 | 12NO 8AX 230Vac | 8 | 1 |

CHARACTERISTICS: 12-channel actuator with potential-free output contacts (NO) for activating 12 loads (on/off switching mode) or 6 shutters/venetian blinds with 230Vac motors. Each single pair of channels can be separately configured for switching loads or roller shutter command. Suitable for commanding incandescent lamps (230Vac): 1500W, halogen lamps (230Vac): 1500W, loads controlled from toroidal transformers: 1200W, loads controlled from electronic transformers: 1000W, energy saving lamps (compact fluorescent): 25x23W, LED lamps (230Vac): 25x10W, motors: 800W. Max switchover currents 8A (AC1), 8AX (140μF ref. EN 60669-1) fluorescent loads with maximum surge current 300A (150μs). Equipped with front push-buttons for manual activation, and signalling LED for closure of output contact. To be configured with ETS software.

APPLICATIONS: execution of ON-OFF commands, timed commands with pre-alarm at switch-off, priority commands, scene management commands, block commands, safety functions, logic functions, counters, output status signal, commands of movement/adjustment/stopping, alarm signalling.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid). Possibility to activate the loads manually, even without the BUS voltage (230Vac auxiliary power supply required).

DIMMER ACTUATORS



GW A9 313

KNX DIMMER ACTUATOR FOR ELECTRONIC BALLAST 1 - 10 V - 3 CHANNELS - IP 20 - DIN RAIL MOUNTING

| Code | No. of channels | Output contacts | Max current per channel | No. DIN modules | Pack Carton |
|-----------|-----------------|--------------------------|-------------------------|-----------------|-------------|
| GW A9 313 | 3 | 16 AX (140μF) - 230 V ac | 100 mA | 4 | 1 |

CHARACTERISTICS: it presents three output channels 1-10 V for commanding ballast with 1-10 V interface and three relay On/Off output channels switching the ballast power off. To be configured with ETS software.

APPLICATIONS: execution of ON-OFF commands, relative and absolute light intensity adjustment, scene management, timed commands, priority commands, logic functions.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW A9 302

KNX UNIVERSAL DIMMER ACTUATORS - IP20 - DIN RAIL MOUNTING

| Code | Supply voltage | No. output channels | Power max. | No. DIN modules | Pack Carton |
|-----------|--------------------|---------------------|-------------------|-----------------|-------------|
| GW A9 301 | 230V ac - 50/60 Hz | 1 | 500 VA | 4 | 1 |
| GW A9 302 | 230V ac - 50/60 Hz | 2 | 300VA per channel | 4 | 1 |

CHARACTERISTICS: for the adjustment and switching of incandescent and halogen lamps 230V AC, low voltage halogen lamps with electronic and winding transformers, LED lamps 230V AC with dimmer function, and CFL lamps with dimmer function. Manual selection of the type of load (Leading Edge or Trailing Edge piloting), soft-start function for lamp protection, front LEDs for signalling the status of the outputs. To be configured with ETS software.

APPLICATIONS: execution of ON-OFF commands, relative and absolute light intensity adjustment, scene management, timed commands, priority commands, logic functions.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW A9 350

BLEEDER - 230 V AC - 50 HZ

| Code | Description | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------|-----------------------|-------------|
| GW A9 350 | Bleeder | 38x32x14 | 1/48 |

CHARACTERISTICS: bleeder for dimmable LED lamps. Supplied with cables (length 15cm).

APPLICATIONS: suitable for Easy (GWA9351, GWA9352), KNX (GWA9301, GWA9302) or traditional (GW1x572, GW1x573) universal dimmers.



GW 90 764

KNX DIMMER ACTUATOR FOR LED - IP20 - DIN RAIL MOUNTING

| Code | Supply voltage | No. output channels | Type of control | No. DIN modules | Pack Carton |
|-----------|----------------|---------------------|-----------------|-----------------|-------------|
| GW 90 764 | 12-24V dc | 4 | CVD | 4 | 1 |
| GW 90 765 | 12-48V dc | 4 | CCD | 4 | 1 |

CHARACTERISTICS: dimmer in CVD version (control with constant voltage) for regulating RGB(W) LED strips, and in CCD version (control with constant current) for regulating "power" LEDs. 4 front button keys for testing the outputs and 4 front LEDs for signalling the load status and other operating parameters. To be configured with ETS software.

APPLICATIONS: execution of ON-OFF commands, regulation and setting of the light intensity level for each single channel (and the 4 channels simultaneously), selection of feedback on status or light intensity value, scene management, timed sequences, priority commands, logic functions. The 4 outputs can be used to control each of the 4 channels R, G, B and W of a single LED lamp, or up to 4 independent LEDs.

NOTES: equipped with coupling terminal for connection to BUS (with protection lid).



GW 90 766

BOOSTER FOR CVD LED DIMMER ACTUATORS 4X10 A - IP20 - DIN RAIL MOUNTING

| Code | Supply voltage | No. output channels | Max current per channel | No. DIN modules | Pack Carton |
|-----------|----------------|---------------------|-------------------------|-----------------|-------------|
| GW 90 766 | 12-24V dc | 4 | 10A | 4 | 1/4 |

CHARACTERISTICS: device used to extend the control capacity of CVD LED dimmers by up to 10A per channel.
APPLICATIONS: to be used with KNX (GW90764) and Easy (GW90854) dimmer actuators for CVD LEDs.
NOTES: equipped with coupling terminal for connection to BUS (with protection lid).

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TEMPERATURE ADJUSTMENT

CLIMATE CONTROL



GW 14 794 H

KNX TIMED THERMOSTATS/PROGRAMMERS WITH HUMIDITY MANAGEMENT

| Code | Colour | Output contacts | Humidity sensor | No. Chorus modules | Pack Carton |
|-------------|----------|--------------------------|-----------------|--------------------|-------------|
| GW 10 794 H | White | 1NO / NC 5A(AC1) 250V ac | Not included | 3 | 1 |
| GW 12 794 H | Black | 1NO / NC 5A(AC1) 250V ac | Not included | 3 | 1 |
| GW 14 794 H | Titanium | 1NO / NC 5A(AC1) 250V ac | Not included | 3 | 1 |

CHARACTERISTICS: flush-mounting timed thermostat with humidity management, that can be programmed on a weekly basis to control heating/cooling and humidification/dehumidification systems on the BUS. 3-level temperature profile (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous), fan coil (max. 3 speeds). Includes: 1 output for commanding the area solenoid valve (or as a generic output for executing ON/OFF commands, timed commands, priority commands or scene management); 1 input for the potential-free contact (for the window contact function, or for managing fronts, dimmers, roller shutters and scenes); 1 input for the external temperature NTC probe sensor (e.g. protection for floor-mounting heating) or, alternatively, as a second input for a potential-free contact. With 10 hour profiles that can be freely used (programmer function) plus another two reserved for the timed thermostat, with 15-minute resolution. Equipped with an extractable front and LCD display with customisable RGB backlighting. To be configured with ETS software.

APPLICATIONS: can be combined with KNX flush-mounting thermostats for local temperature adjustment: In this case, the timed thermostat acts as a master, sending the temperature profile to the BUS.

NOTES: equipped with coupling terminal for connection to BUS. The device requires a back-up power supply from 2 AA alkaline batteries (not included), housed in the extractable front, to guarantee the updating of the calendar (day, time) in the event of a BUS voltage failure. **The device does not have a built-in humidity sensor, so the relative humidity value must be obtained from an external KNX sensor (es: GW1x762H).**



GW 14 795 H

KNX THERMOSTATS WITH HUMIDITY MANAGEMENT

| Code | Colour | Output contacts | Humidity sensor | No. Chorus modules | Pack Carton |
|-------------|----------|--------------------------|-----------------|--------------------|-------------|
| GW 10 795 H | White | 1NO / NC 5A(AC1) 250V ac | Not included | 2 | 1 |
| GW 12 795 H | Black | 1NO / NC 5A(AC1) 250V ac | Not included | 2 | 1 |
| GW 14 795 H | Titanium | 1NO / NC 5A(AC1) 250V ac | Not included | 2 | 1 |

CHARACTERISTICS: flush-mounting thermostat with humidity management, to control heating/cooling and humidification/dehumidification systems on the BUS and to manually manage the temperature on three levels (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous), fan coil (max. 3 speeds). Includes: 1 output for commanding the area solenoid valve (or as a generic output for executing ON/OFF commands, timed commands, priority commands or scene management); 1 input for the potential-free contact (for the window contact function, or for managing fronts, dimmers, roller shutters and scenes); 1 input for the external temperature NTC probe sensor (e.g. protection for floor-mounting heating) or, alternatively, as a second input for a potential-free contact. Equipped with an LCD display with customisable RGB backlighting. To be configured with ETS software.

APPLICATIONS: can be combined with KNX flush-mounting timed thermostats for local temperature adjustment: in this case, the thermostat acts as a Slave, executing the temperature profile sent from the Master (timed thermostat), using the locally defined setpoint values. If the system contains remote elements with their own control logic (e.g. flush-mounting KNX temperature adjustment probes), the thermostat can be used to visualise and set their operating parameters (max. 4 elements).

NOTES: equipped with coupling terminal for connection to BUS. **The device does not have a built-in humidity sensor, so the relative humidity value must be obtained from an external KNX sensor (es: GW1x762H).**



GW 14 799

KNX TEMPERATURE SENSORS

| Code | Colour | No. Chorus modules | Pack Carton |
|-----------|----------|--------------------|-------------|
| GW 10 799 | White | 1 | 1 |
| GW 12 799 | Black | 1 | 1 |
| GW 14 799 | Titanium | 1 | 1 |

CHARACTERISTICS: flush-mounting temperature adjustment probe for controlling heating/cooling systems on the BUS. 3-level temperature profile (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous), fan coil (max. 3 speeds). Includes: 1 input for the potential-free contact (for the window contact function, or for managing fronts, dimmers, roller shutters and scenes); 1 input for the external temperature NTC probe sensor (e.g. protection for floor-mounting heating) or, alternatively, as a second input for a potential-free contact. Equipped with a front LED signalling the operating status and the load status (solenoid valve). To be configured with ETS software.

APPLICATIONS: can be combined with thermostats GW10795H, GW12795H, GW14795H or timed thermostats GW10794H, GW12794H, GW14794H to adjust the temperature in specific areas and for controlling and displaying the probe parameters (the probe does not have a display).

NOTES: it is equipped with coupling terminal for connection to bus.



GW 14 799 H

KNX HUMIDITY/TEMPERATURE SENSORS

| Code | Colour | Humidity sensor | No. Chorus modules | Pack Carton |
|-------------|----------|-----------------|--------------------|-------------|
| GW 10 799 H | White | Built-in | 1 | 1 |
| GW 12 799 H | Black | Built-in | 1 | 1 |
| GW 14 799 H | Titanium | Built-in | 1 | 1 |

CHARACTERISTICS: flush-mounting temperature adjustment probe with humidity sensor for controlling heating/cooling systems and humidification/dehumidification systems on the BUS. 3-level temperature profile (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous), fan coil (max. 3 speeds). Includes: 1 input for a potential-free contact (for the window contact function, or for managing fronts, dimmers, roller shutters and scenes); 1 input for the external temperature NTC probe sensor (e.g. protection for floor-mounting heating) or, alternatively, as a second input for a potential-free contact. Equipped with a front LED signalling the operating status and the load status (solenoid valve). To be configured with ETS software.

APPLICATIONS: can be combined with thermostats GW10795H, GW12795H, GW14795H or timed thermostats GW10794H, GW12794H, GW14794H to adjust the temperature in specific areas and for controlling and displaying the probe parameters (the probe does not have a display).

NOTES: it is equipped with coupling terminal for connection to bus.



GW 14 762 H

KNX/EASY TEMPERATURE/HUMIDITY PROBE SENSORS

| Code | Colour | Humidity sensor | No. Chorus modules | Pack Carton |
|-------------|----------|-----------------|--------------------|-------------|
| GW 10 762 H | White | Built-in | 1 | 1 |
| GW 12 762 H | Black | Built-in | 1 | 1 |
| GW 14 762 H | Titanium | Built-in | 1 | 1 |

CHARACTERISTICS: flush-mounting temperature/humidity probe sensor for sending temperature and relative humidity values on the KNX BUS. Temperature range: 0...+45°C. Relative humidity range: 10-95%. Equipped with a front signalling LED. To be configured with ETS software or EASY controller.

NOTES: equipped with coupling terminal for connection to BUS.



GW 10 800

OUTDOOR TEMPERATURE PROBE SENSOR

| Code | Capsule diameter (mm) | Capsule length (mm) | Cable length (m) | IP degree | Pack Carton |
|-----------|-----------------------|---------------------|------------------|-----------|-------------|
| GW 10 800 | 5 | 20 | 3 | IP68 | 1 |

CHARACTERISTICS: NTC sensor 10K BETA 3435 1%. Temperature range: -50...+110 °C; precision: ±1%; capsule material: thermoplastic rubber.

NOTES: to be used in combination with the EASY and KNX timed thermostats, thermostats, temperature sensors, EASY and KNX flush-mounting humidity/temperature sensors, input modules, etc..



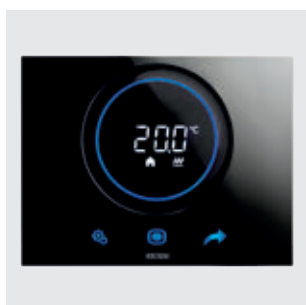
GW 14 900

TEMPERATURE PROBE SENSORS

| Code | Colour | No. Chorus modules | Pack Carton |
|-----------|----------|--------------------|-------------|
| GW 10 900 | White | 1 | 1 |
| GW 12 900 | Black | 1 | 1 |
| GW 14 900 | Titanium | 1 | 1 |

CHARACTERISTICS: NTC flush-mounting temperature probe sensor 10K ±2%, BETA 3977 ±0.75%. Temperature range: -40...+125°C. Equipped with a front signalling LED.

NOTES: to be used in combination with the timed thermostats, thermostats, temperature sensors, EASY and KNX flush-mounting humidity/temperature sensors, input modules, etc..



GW 16 974 CN

KNX/EASY THERMO ICE THERMOSTATS

| Code | Colour | Power supply | Dimensions LxHxD (mm) | Pack Carton |
|--------------|----------|--------------|-----------------------|-------------|
| GW 16 974 CB | White | 12-24V ac/dc | 123x95x11 | 1 |
| GW 16 974 CN | Black | 12-24V ac/dc | 123x95x11 | 1 |
| GW 16 974 CT | Titanium | 12-24V ac/dc | 123x95x11 | 1 |

CHARACTERISTICS: flush-mounting thermostat to control heating/cooling systems on the BUS and to manually manage the temperature on three levels (comfort, pre-comfort, economy). Control algorithms for 2- or 4-way systems: two points (ON/OFF or 0%/100%), proportional-integral (PWM or continuous), fan coil. Can be used to manage humidification/dehumidification systems if connected to an external humidity sensor (e.g. GW1x762H). Includes 1 input for a potential-free contact (for the window contact function, or for managing fronts, dimmers, roller shutters and scenes); 1 input for the external temperature NTC probe sensor (e.g. protection for floor-mounting heating) or, alternatively, as a second input for a potential-free contact. With user interface with touch commands (capacitive) on glass plate and backlit display. The thermostat is equipped with integrated proximity and temperature sensors. To be configured with ETS software or Easy controller.

APPLICATIONS: can be combined with KNX flush-mounting timed thermostats or KNX control panels for local temperature adjustment: In this case, the thermostat acts as the slave by executing the temperature profile sent by the master.

NOTES: equipped with coupling terminal for connection to BUS. The thermostats include a front plate, electronic unit and metal support, and are suitable for screw fixing on both rectangular 3-gang boxes (centre distance 83.5 mm) and round/square boxes (centre distance 60 mm) equipped with fixing columns.



GW 10 720

POWER SUPPLY UNIT 12 VDC

| Code | Supply voltage | Output voltage | Max current supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------------|----------------------|-----------------------|-------------|
| GW 10 720 | 100/240 V ac - 50/60 Hz | 12V dc | 300 mA | 52x33x17 | 1/10 |

APPLICATIONS: to be used for powering LPG detectors (GW10711, GW12711, GW14711, GW20868, GW21868, GW30520), methane detectors (GW10712, GW12712, GW14712, GW20867, GW21867, GW30519) and water detectors (GW10716, GW12716, GW14716); Thermo ICE WiFi (GW16972CB, GW16972CN, GW16972CT) and KNX/Easy (GW16974CB, GW16974CN, GW16974CT) thermostats.



GW 14 791

KNX TIMED THERMOSTATS - WALL-MOUNTING

| Code | Colour | Dimensions LxHxD (mm) | Pack Carton |
|-----------|----------|-----------------------|-------------|
| GW 10 791 | White | 130x92x23 | 1 |
| GW 14 791 | Titanium | 130x92x23 | 1 |

CHARACTERISTICS: timed thermostat that can be programmed on a weekly basis to control heating/cooling systems on the KNX BUS.

3-level temperature profile (comfort, pre-comfort, economy). Regulation with two-point (ON/OFF) or proportional (PWM) control.

Equipped with a backlit LCD display. To be configured with ETS software.

APPLICATIONS: can be combined with thermostats GW10793, GW14793 to adjust the temperature in specific areas. In this case, the timed thermostat performs the Master function by sending the temperature profile to the BUS or the values of the corresponding set points.

NOTES: equipped with coupling terminal for connection to BUS. The device requires a back-up power supply from 2 AAA alkaline batteries (not included), to guarantee the updating of the calendar (day, time) in the event of a BUS voltage failure.



GW 14 793

KNX THERMOSTATS - WALL-MOUNTING

| Code | Colour | Dimensions LxHxD (mm) | Pack Carton |
|-----------|----------|-----------------------|-------------|
| GW 10 793 | White | 85x95x23 | 1 |
| GW 14 793 | Titanium | 85x95x23 | 1 |

CHARACTERISTICS: thermostat to control heating/cooling systems on BUS. Regulation with two-point (ON/OFF) or proportional (PWM) control.

Equipped with a backlit LCD display. To be configured with ETS software.

APPLICATIONS: can be combined with timed thermostats GW10791, GW14791 to adjust the temperature in specific areas. In this case, the thermostat acts as a Slave, following the temperature profile sent from the Master (timed thermostat), using the locally defined setpoint values or relative deviation values. This also makes it possible to control the fan coils.

NOTES: equipped with coupling terminal for connection to BUS. Equipped with a rechargeable back-up battery to guarantee the updating of the calendar (day, time) in the event of a BUS voltage failure.

ENERGY CONTROL

ENERGY METERS



GW D6 801

SINGLE-PHASE DIGITAL ENERGY METERS FOR DIRECT CONNECTION

| Code | Type MID | No. digits | Accuracy | I max (A) | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|----------|---------------------|----------|-----------|-------------------|-------------------------|-------------|
| GW D6 801 | No | 5 unit + 2 decimals | 1 | 32 A | 230 ac | 1 | 1/5 |
| GW D6 802 | Yes | 5 unit + 2 decimals | 1 | 32 A | 230 ac | 1 | 1/5 |

APPLICATION: allows the measurement and visualisation on the display of the active energy values (exported and imported), instantaneous active power (exported and imported), voltage, current, power factor and frequency.

If used with the KNX GW90876 interface, the measured values can be sent on the KNX BUS.

If used with the MODBUS GWD6820 interface, the measured values can be sent on Modbus RS485.

CHARACTERISTICS: the energy meters have an impulse output for remote energy consumption control.



GW D6 808

THREE-PHASE DIGITAL ENERGY METERS

| Code | Type MID | No. digits | Accuracy | Connection | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|----------|---------------------|---------------------------------------|---------------------|-------------------|-------------------------|-------------|
| GW D6 806 | No | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Direct (I max=80 A) | 400 ac | 4 | 1/2 |
| GW D6 807 | Yes | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Direct (I max=80 A) | 400 ac | 4 | 1/2 |
| GW D6 808 | No | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Using C.T./5 A | 400 ac | 4 | 1/2 |
| GW D6 809 | Yes | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Using C.T./5 A | 400 ac | 4 | 1/2 |

APPLICATION: allow the measurement and the visualization on display of the active and reactive energy values (exported and imported), and instantaneous active and reactive power values (exported and imported). If used with the KNX GW90876 interface, the measured values can be sent on the KNX BUS.

If used with the MODBUS GWD6820 interface, the measured values can be sent on Modbus RS485.

CHARACTERISTICS: the meters have two impulse outputs for remote energy consumption control.

KNX INTERFACE



GW 90 876

KNX INTERFACE FOR ENERGY METER - IP20 - DIN RAIL MOUNTING

| Code | No. DIN modules | Pack Carton |
|-----------|-----------------|-------------|
| GW 90 876 | 1 | 1/5 |

CHARACTERISTICS: to be configured with ETS software.

APPLICATIONS: it communicates on the KNX bus system the values of energy and power measured by the GWD6801, GWD6802, GWD6806, GWD6807, GWD6808, GWD6809 energy meters. The KNX interface is optically coupled with the energy meter (the two devices have to be installed side-by-side).

NOTE: it is equipped with coupling terminal for connection to bus.

Chorus - Building Automation

ACCESS CONTROL AND HOTEL MANAGEMENT

TRANSPONDER UNITS



GW 14 681

KNX TRANSPONDER CARD READER UNIT

| Code | Colour | Power supply | No. Chorus modules | Pack Carton |
|-----------|----------|--------------|--------------------|-------------|
| GW 10 681 | White | 12-24V ac/dc | 3 | 1 |
| GW 12 681 | Black | 12-24V ac/dc | 3 | 1 |
| GW 14 681 | Titanium | 12-24V ac/dc | 3 | 1 |

CHARACTERISTICS: recognises the GW10684 transponder cards, bringing them within at least 3cm.

Incorporates 2 relays for activating electric systems or users (e.g. electro-locks, courtesy lights, etc.) and 3 inputs for potential-free contacts.

NOTES: equipped with coupling terminal for connection to BUS.



GW 14 682

KNX TRANSPONDER CARD HOLDER UNIT

| Code | Colour | Power supply | No. Chorus modules | Pack Carton |
|-----------|----------|--------------|--------------------|-------------|
| GW 10 682 | White | 12-24V ac/dc | 3 | 1 |
| GW 12 682 | Black | 12-24V ac/dc | 3 | 1 |
| GW 14 682 | Titanium | 12-24V ac/dc | 3 | 1 |

CHARACTERISTICS: equipped with housing for GW10684 transponder cards, allowing them to be recognised and notifying of the presence to the GWHost supervision sw.

Incorporates 2 relays for activating electric systems or users (e.g. electro-locks, courtesy lights, etc.) and 3 inputs for potential-free contacts.

NOTES: equipped with coupling terminal for connection to BUS.



GW 14 683

TRANSPONDER CARD PROGRAMMING UNIT

| Code | Colour | No. Chorus modules | Pack Carton |
|-----------|----------|--------------------|-------------|
| GW 10 683 | White | 3 | 1 |
| GW 12 683 | Black | 3 | 1 |
| GW 14 683 | Titanium | 3 | 1 |

CHARACTERISTICS: powered directly via USB port (5V 150mA) of the programming PC (e.g. reception). Configures the transponder cards, GW10684 assigning the level of access.

The product is supplied already installed in a 4 gang table box complete with CHORUS range ONE plate.

NOTES: for the programming of cards it is necessary to install a client license in the PC (included in the GW Host sw package).



GW 10 684

TRANSPONDER CARD

| Code | Dimensions LxH (mm) | Pack Carton |
|-----------|---------------------|-------------|
| GW 10 684 | 86x54 | 10/40 |

CHARACTERISTICS: can be programmed via the transponder programming unit. The same card can be activated for more than one transponder reading unit.

NOTES: space available for customizing.

SOFTWARE



GW A9 781

GW HOST



| Code | Description | No. rooms managed | Mini-PC included | No. client licenses included | Pack Carton |
|-----------|----------------------------|-------------------|------------------|------------------------------|-------------|
| GW A9 781 | GWHost hotel management sw | Up to 10 | Yes | 3 | 1 |
| GW A9 782 | GWHost hotel management sw | Up to 25 | Yes | 3 | 1 |
| GW A9 783 | GWHost hotel management sw | Up to 100 | Yes | 3 | 1 |
| GW A9 784 | GWHost hotel management sw | More than 100 | Yes | 3 | 1 |

CHARACTERISTICS: software developed to dialog with devices on KNX bus, suitable for the access management in hotel facilities and tertiary, with different sizes according to the number of rooms. They include the GWHost software pre-installed in a mini-PC with USB dongle license and 3 client licenses that can be installed in as many PCs (es: reception). For additional client licenses (necessary in case more than 3 PCs are required to be connected to the mini-PC) or how to interface GWHost with the most common hotel management sw, please refer to the Gewiss technical assistance.

NOTES: the mini-PC included in GWHost is a compact hardware platform, based on Microsoft® Windows, that connects to the PC in reception via LAN network.

Chorus - Building Automation

WEATHER SENSORS

DEVICES



GW 90 800

KNX WEATHER STATION - IP44

| Code | Power supply | Assembly | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------------|--------------------|--------------------------|----------------|
| GW 90 800 | 24V ac/dc, max. 100mA | Wall/pole-mounting | 96x77x118 | 1 |

CHARACTERISTICS: includes the following sensors: rain, temperature (from -40°C to +80°C), luminosity (from 0 lux to 150000 lux), wind (from 0 m/s to 35 m/s). The weather station includes a GPS receiver for determining coordinates, data and hour.

APPLICATIONS: the weather station stores and processes the analogue signals coming from the embedded sensors.

NOTES: equipped with coupling terminal for connection to BUS.



GW 90 881

KNX RAIN SENSOR - IP44

| Code | Power supply | Current consumption | Rain sensor heating | Dimensions LxHxD (mm) | Pack Carton |
|-----------|--------------|------------------------|------------------------|--------------------------|----------------|
| GW 90 881 | 230 V ac | 20 mA | 1.2 W | 96x77x118 | 1 |

CHARACTERISTICS: the device uses a sensor to analyse the conductivity of the rainwater, and immediately detects the end of the precipitation with the aid of a built-in heater. To be configured with ETS software.

APPLICATIONS: detects and analyses the precipitation (rain drops and snow flakes).

NOTES: equipped with coupling terminal for connection to BUS.



GW 90 882

KNX WIND SENSOR - IP44

| Code | Power supply | Current consumption | Measurement interval | Dimensions LxHxD (mm) | Pack Carton |
|-----------|--------------|------------------------|-------------------------|--------------------------|----------------|
| GW 90 882 | 230 V ac | 20 mA | 0...70m/s | 96x77x118 | 1 |

CHARACTERISTICS: the device measures the wind speed electronically. To be configured with ETS software.

APPLICATIONS: detects and analyses the wind speed, even in the presence of hail and snow.

NOTES: equipped with coupling terminal for connection to BUS.



GW 90 883

KNX WIND AND RAIN SENSOR - IP44

| Code | Power supply | Current consumption | Measurement interval | Rain sensor heating | Dimensions LxHxD (mm) | Pack Carton |
|-----------|--------------|------------------------|-------------------------|------------------------|--------------------------|----------------|
| GW 90 883 | 230 V ac | 20 mA | 0...70m/s | 1.2 W | 96x77x118 | 1 |

CHARACTERISTICS: with the aid of a combined sensor, the device analyses the conductivity of the rainwater (via the built-in heater, it immediately detects the end of the precipitation) and electronically measures the wind speed. To be configured with ETS software.

APPLICATIONS: detects and analyses the precipitation (rain drops and snow flakes) and wind speed, even in the presence of hail and snow.

NOTES: equipped with coupling terminal for connection to BUS.



GW 90 884

KNX LIGHT INTENSITY SENSOR - IP44

| Code | Power supply | Current consumption | Measurement interval | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|---------------------|----------------------|-----------------------|-------------|
| GW 90 884 | KNX BUS voltage | 10 mA | 0...150000 lux | 96x77x118 | 1 |

CHARACTERISTICS: the device measures the light intensity. With light-sensitive sensor function. To be configured with ETS software.
APPLICATIONS: detects and analyses the light level.
NOTES: equipped with coupling terminal for connection to BUS.



GW 90 885

KNX TEMPERATURE SENSOR - IP65

| Code | Power supply | Current consumption | Measurement interval | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|---------------------|----------------------|-----------------------|-------------|
| GW 90 885 | KNX BUS voltage | 5.5 mA | -40...+80°C | 65x93x38 | 1 |

CHARACTERISTICS: the sensor measures the temperature. The sensor is also equipped with a PI (proportional integral) regulator for heating and air conditioning. To be configured with ETS software.
APPLICATIONS: measures the temperature.
NOTES: equipped with coupling terminal for connection to BUS.

FUNCTION DEVICES

LOGIC MODULE



GW 90 797 A

KNX LOGIC MODULE - IP20 - DIN RAIL MOUNTING

| Code | No. DIN modules | Pack Carton |
|-------------|-----------------|-------------|
| GW 90 797 A | 2.5 | 1 |

CHARACTERISTICS: To be configured with ETS software.
APPLICATIONS: multifunction logic module. Equipped with 10 functional blocks for logic operations, 10 for delays/filters, 8 for converters, and 12 for the multiplexer. 3 local push-buttons and 3 display LEDs (freely configurable) are available.
NOTES: equipped with coupling terminal for connection to BUS.

Chorus - Building Automation

DOUBLE SIDED DEVICES - LED



FOR WALL OR CEILING MOUNTING - MAINTAINED LIGHTING - M



GW 81 701

STARTEC EIB - M - IP42 - CLASS II



| Code | Lamp power | Lamp supplied | Autonomy | Visibility range (m) | Body colour | Pack Carton |
|------------------------------------|------------|---------------|----------|----------------------|---------------|-------------|
| Voltage: 230 V - 50 / 60 Hz | | | | | | |
| GW 81 701 | 3 W | LED | 1 h | 28 | White | 1/4 |
| GW 81 702 | 3 W | LED | 3 h | 28 | White | 1/4 |
| GW 81 703 | 3 W | LED | 1 h | 28 | Titanium grey | 1/4 |
| GW 81 704 | 3 W | LED | 3 h | 28 | Titanium grey | 1/4 |

NOTES: for wall-mounting, the product must be completed with the special fixing brackets.
For ceiling assembly, fixing brackets are not needed.
Visibility distance in accordance with Standard EN 1838. Label not included.
GENERAL NOTES: In order to work, the STARTEC EIB devices must be configured as KNX devices.

FOR WALL OR CEILING MOUNTING - MAINTAINED LIGHTING - M WITH DIRECTIONAL SPOTLIGHT



GW 81 711

STARTEC EIB - M - IP42 - CLASS II



| Code | Lamp power | Lamp supplied | Autonomy | Visibility range (m) | Body colour | Pack Carton |
|------------------------------------|------------|---------------|----------|----------------------|---------------|-------------|
| Voltage: 230 V - 50 / 60 Hz | | | | | | |
| GW 81 711 | 3+3 W | LED | 1 h | 28 | White | 1/4 |
| GW 81 712 | 3+3 W | LED | 1 h | 28 | Titanium grey | 1/4 |

NOTES: for wall-mounting, the product must be completed with the special fixing brackets.
For ceiling assembly, fixing brackets are not needed.
Visibility distance in accordance with Standard EN 1838. Label not included.
GENERAL NOTES: In order to work, the STARTEC EIB devices must be configured as KNX devices.

COMPLEMENTARY ITEMS



GW 81 691

FIXING BRACKET




| Code | Type of installation | Colour | Pack Carton |
|-----------|---------------------------|---------------|-------------|
| GW 81 691 | Perpendicular to the wall | White | 1/24 |
| GW 81 692 | Parallel to the wall | White | 1/24 |
| GW 81 693 | Perpendicular to the wall | Titanium grey | 1/24 |
| GW 81 694 | Parallel to the wall | Titanium grey | 1/24 |

FOR FLUSH-MOUNTING - MAINTAINED LIGHTING - M



GW 81 721

STARTEC EIB - M - IP42 (INSTALLED PRODUCT) - CLASS II

|    | | | | | | |
|---|------------|---------------|----------|----------------------|---------------|-------------|
| Code | Lamp power | Lamp supplied | Autonomy | Visibility range (m) | Body colour | Pack Carton |
| Voltage: 230 V - 50 / 60 Hz | | | | | | |
| GW 81 721 | 3 W | LED | 1 h | 28 | White | 1/4 |
| GW 81 722 | 3 W | LED | 3 h | 28 | White | 1/4 |
| GW 81 723 | 3 W | LED | 1 h | 28 | Titanium grey | 1/4 |
| GW 81 724 | 3 W | LED | 3 h | 28 | Titanium grey | 1/4 |

NOTES: the device is supplied complete with design cover for flush-mounting finish.
Visibility distance in accordance with Standard EN 1838. Label not included
GENERAL NOTES: In order to work, the STARTEC EIB devices must be configured as KNX devices.

COMPLEMENTARY ITEMS

INTERFACES



GW 90 871

KNX/DMX GATEWAY - DIN RAIL MOUNTING

| Code | Power supply | No. DMX channels | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------|------------------|-----------------------|-------------|
| GW 90 871 | 9-30V dc, 100mA | 512 | 107x75x31 mm | 1 |

APPLICATIONS: one-way interface that can receive the KNX BUS commands and re-transmit them towards the devices on the DMX BUS. The interface manages up to 512 DMX channels.

NOTES: equipped with coupling terminal for connection to BUS.



GW 90 872 A

KNX/DALI 64/16 IP GATEWAY - DIN RAIL MOUNTING

| Code | Power supply | Max no. DALI units | Max no. DALI devices | No. DIN modules | Pack Carton |
|-------------|------------------------------|--------------------|----------------------|-----------------|-------------|
| GW 90 872 A | 110-240V ac - 50/60Hz, 100mA | 16 | 64 | 4 | 1/4 |

CHARACTERISTICS: interface that - via KNX BUS - can control up to 64 lamps managed with the DALI protocol. The device is equipped with a RJ45 LAN port for configuration and/or access via IP and supplies power to the DALI line. Category 1 device (in accordance with EN 62386-103).

NOTES: equipped with coupling terminal for connection to BUS.

ACCESSORIES



GW 90 807

CONNECTION TERMINAL TO BUS

| Code | Colour | Pack Carton |
|-----------|-------------|----------------|
| GW 90 807 | Red - Black | 50 |

APPLICATIONS: for connecting up to 4 pairs of conductors. Can also be used as a junction terminal.



GW 90 808

CONNECTION TERMINAL TO SELV LINE

| Code | Colour | Pack Carton |
|-----------|----------------|----------------|
| GW 90 808 | Yellow - white | 50 |

APPLICATIONS: for connecting up to 4 pairs of conductors. Can also be used as a junction terminal.



GW 90 582

KNX BUS CABLES

| Code | Type | Description | Ø (mm) | Colour | Pack Carton |
|-----------|--------------------------|-------------------|--------|--------|----------------|
| GW 90 583 | 2 conductors 1 x 2 x 0.8 | LSZH Cable sheath | 5.2 | Green | 100 |
| GW 90 582 | 4 conductors 2 x 2 x 0.8 | LSZH Cable sheath | 6.1 | Green | 100 |

Can be installed with the 230V power supply cable, and are recommended for protruding or flush assembly, for arrangement in conduits, in dry environments, and outdoors if protected against direct solar irradiation.

In the GW90582 KNX cable, the first duplex cable (red + black) is used for the power supply and the data transmission of the KNX devices; the second one (yellow + white) can be used for another SELV service power supply.

In the KNX cable GW90583, the duplex cable (red + black) is used for the power supply and the data transmission of the KNX devices.

CHARACTERISTICS: GW90582 BUS cable for shielded installation consisting of 2 pairs of twisted wires. Colours - black/red + yellow/white.

GW90583 BUS cable for shielded installation consisting of 1 pair of twisted wires. Colours - black/red.

Building Automation



SYSTEM SUPERVISION



The touch-screen panels (Master ICE, Naxos Domo and Naxos Combi) and the app for smartphone/tablet (App for Master ICE and HAPPY HOME), with their performance levels and functions, represent the enhanced solutions for the supervision and control of KNX systems.

STANDARD COMMUNICATION PROTOCOL



The Chorus Building Automation range uses the KNX protocol: an advanced control system that enables each system component to converse with the others. The use of the ETS configuration software (S-mode) represents the ideal solution for applications in the advanced residential and commercial sector.



COMPLETE DOMOTIC SOLUTIONS



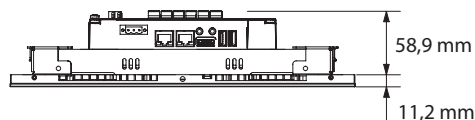
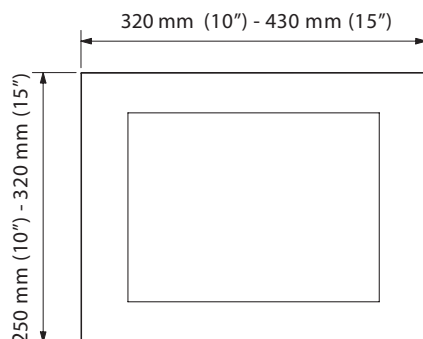
The automation functions can be used to control and manage lights, roller shutters, temperature adjustment and energy, to create and execute scenes, to manage the burglar alarm system and the video entryphone, the remote control with smartphone/tablet.

Dimension tables

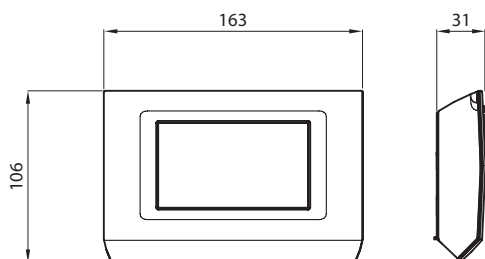
MASTER ICE

Master ICE 10"
GW 12 010 CB - GW 12 010 CN

Master ICE 15"
GW 12 015 CB - GW 12 015 CN

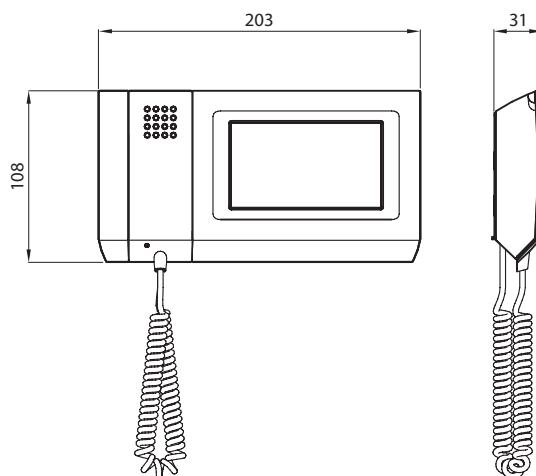


NAXOS DOMO



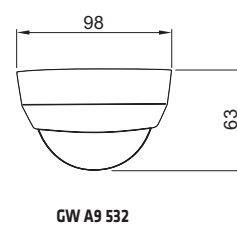
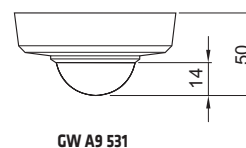
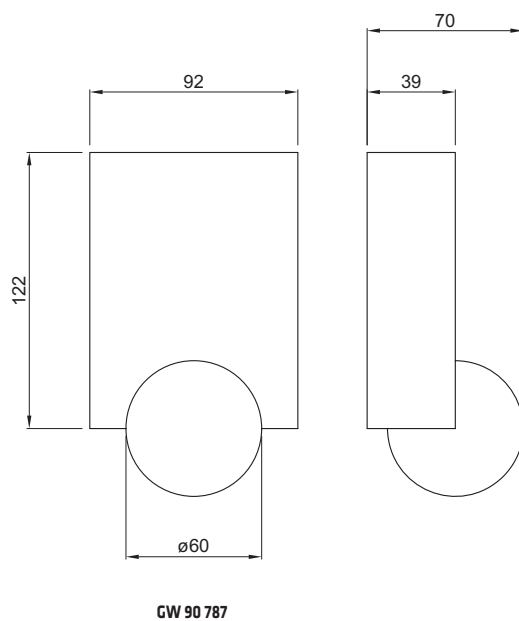
GW 10 961 WH
GW 12 961 BK

NAXOS COMBI



GW 10 962 WH
GW 12 962 BK

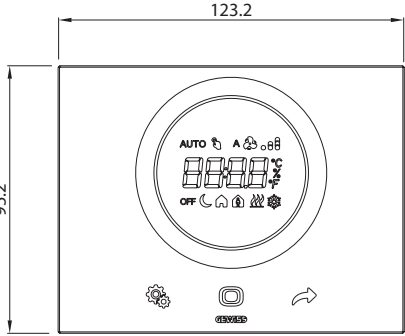
MOVEMENT DETECTORS



KNX CLIMATE CONTROL

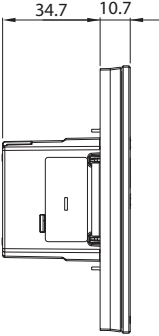
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95.2



34.7

10.7

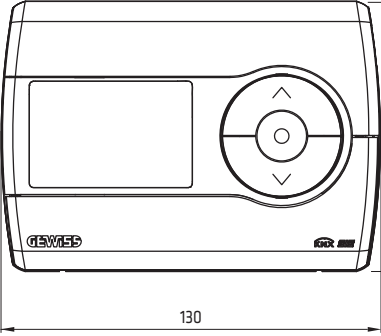


Thermo ICE


GW 16 974 CB - GW 16 974 CN - GW 16 974 CT

130

92



23

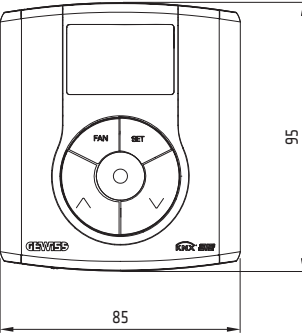


Timed-thermostat


GW 10 791 - GW 14 791

85

95



23

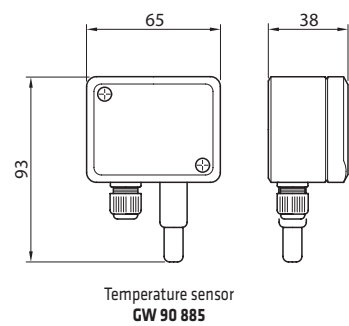
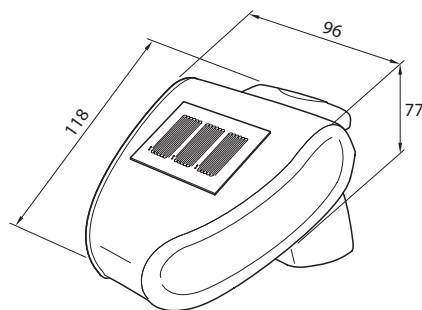
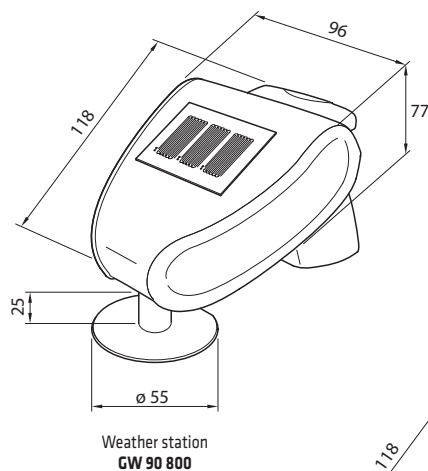


Thermostat

GW 10 793 - GW 14 793

550

WEATHER SENSORS



Rain sensor
GW 90 881

Wind and rain sensor
GW 90 883

Wind sensor
GW 90 882

Light intensity sensor
GW 90 884

Video entryphones

City Vision

ENTRYPHONES AND VIDEO ENTRYPHONES







Chorus - City Vision

OUTDOOR STATIONS

AESIS range
2-wire




GW 19 001
Video




GW 19 006
Audio


AESIS range
Accessories




GW 19 101
Flush-mounting box




GW 19 102
Flush-mounting frame




GW 19 103
Wall-mounting rainshield



GW 19 131
Single push-button




GW 19 132
Dual-height push-button




GW 19 133
Double push-button


KARALIS range
2-wire




GW 19 011 TG
Video
Grey



GW 19 016 TG
Audio
Grey




GW 19 011 ME
Video
Metallised




GW 19 016 ME
Audio
Metallised


KARALIS range
IP Extension




GW 19 051 TG
Video
Grey



GW 19 056 TG
Audio
Grey




GW 19 051 ME
Video
Metallised




GW 19 056 ME
Audio
Metallised


KARALIS range
Accessories




GW 19 091
Additional push-button
panel




GW 19 116 MM
Front plate
Metal




GW 19 116 MG
Front plate
Grey metal




GW 19 116 MB
Front plate
Black metal




GW 19 111
Flush-mounting box




GW 19 112 TG
Flush-mounting
frame
Grey




GW 19 112 ME
Flush-mounting
frame
Metallised




GW 19 113
Wall-mounting rainshield




GW 19 131
Single push-button




GW 19 132
Dual-height push-button




GW 19 133
Double push-button




GW 19 134 TG
Single cap
Grey




GW 19 134 ME
Single cap
Metallised




GW 19 135 TG
Dual-height cap
Grey




GW 19 135 ME
Dual-height cap
Metallised




GW 19 136
Information module




GW 19 137 TG
Numerical keyboard
Grey




GW 19 137 ME
Numerical keyboard
Metallised



GW 19 141
RFID reader



GW 19 142
Transponder card



GW 19 143
Transponder key

ANTAS range
IP Extension



GW 19 061
Video

ANTAS range
Accessories



GW 19 161
Flush-mounting box








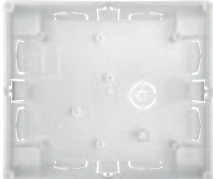
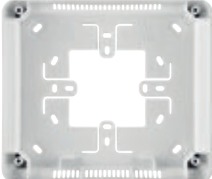
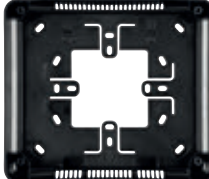






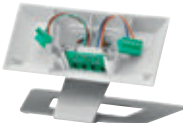











GW 19 162
Wall-mounting box



GW 19 163
Flush-mounting rainshield

INDOOR MONITORS

| | | | | | | |
|---------------------------------------|---|---|---|---|--|--|
| NORA range |  | VELIA range |  |  |  |  |
| | GW 19 236 Entryphone with handset | | GW 19 211 WH Videoentryphone with speakerphone White | GW 19 211 BK Videoentryphone with speakerphone Black | GW 19 216 WH Entryphone with speakerphone White | GW 19 216 BK Entryphone with speakerphone Black |
| SENA range |  |  | SENA range Accessories |  |  |  |
| | GW 19 221 WH Videoentryphone with speakerphone White | GW 19 221 BK Videoentryphone with speakerphone Black | | GW 19 224 Flush-mounting box | GW 19 223 WH Wall-mounting box White | GW 19 223 BK Wall-mounting box Black |
| NAXOS range |  |  |  |  |  |  |
| | GW 19 201 WH Videoentryphone with speakerphone White | GW 19 201 BK Videoentryphone with speakerphone Black | NAXOS COMBI- KNX/Easy Videoentryphone combined panel White | NAXOS COMBI- KNX/Easy Videoentryphone combined panel Black | GW 19 202 WH Porter's desk White | GW 19 202 BK Porter's desk Black |
| NAXOS range Accessories |  |  |  | | | |
| | GW 19 203 WH Free-standing kit for videoentryphone White | GW 19 203 BK Free-standing kit for videoentryphone Black | GW 19 305 Power supply 18 V dc - 0.5 A Int/0,35 A 230 V ac - 50/60 Hz | | | |
| MASTER ICE touch-screen panels |  |  |  |  | | |
| | GW 12 010 CB 10" White | GW 12 010 CN 10" Black | GW 12 015 CB 15" White | GW 12 015 CN 15" Black | | |
| MASTER ICE accessories |  |  |  | | | |
| | GW 24 101 For MASTER ICE 10" | GW 24 102 For MASTER ICE 15" | GW 24 101 PM For MASTER ICE 10" | | | |
| | | | GW 24 102 PM For MASTER ICE 15" | | | |
| | Flush-mounting boxes for masonry walls | Flush-mounting boxes for plasterboard walls | GW 90 802 Power supply 24 V dc-2.5 A 100-240 V ac-50/60 Hz | | | |

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VIDEOENTRYPHONES KITS

AESIS kit

GW 19 401 WH
AESIS+VELIA kit
White

GW 19 401 BK
AESIS+VELIA kit
Black

KARALIS kit

GW 19 410 WH
BASIC kit
KARALIS+NAXOS
White

GW 19 410 BK
BASIC kit
KARALIS+NAXOS
Black

GW 19 411 WH
EVO kit
KARALIS+VELIA
White

GW 19 411 BK
EVO kit
KARALIS+VELIA
Black




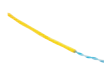


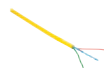

GW 19 412 WH
EVO kit
KARALIS+SENA
White

GW 19 412 BK
EVO kit
KARALIS+SENA
Black

SYSTEM DEVICES

| | | | | | | | | | |
|-------------------------------|---|---|---|---|---|--|---|---|---|
| System power supply 2-wire |  | | System power supply IP extension |  | Additional power supplies |  |  | Power supply/Signal repeater |  |
| | GW 19 301 18 V dc - 1,1 A Int/0,6 A 230 V ac - 50/60 Hz | | | GW 19 351 18 V dc - 1,1 A Int/0,6 A 230 V ac - 50/60 Hz | | GW 19 302 18 V dc - 1 A Int/0,6 A 230 V ac - 50/60 Hz | GW 19 303 17,5 V dc - 1,7 A 230 V ac - 50/60 Hz | | GW 19 304 Power supply/Signal repeater |
| Video distributors |  |  | Video amplifier |  | Video selector 2-wire |  | Video selector IP extension |  | |
| | GW 19 306 4 outputs | GW 19 307 4 amplified outputs | | GW 19 311 Video signal amplifier | | GW 19 309 4 inputs for PAL cameras | | GW 19 359 4 inputs for PAL cameras | |
| Intercom module |  | Auxiliary actuator 2-wire |  | Auxiliary actuator IP extension |  | LAN network interface IP extension |  | VoIP server IP extension |  |
| | GW 19 308 Intercom | | GW 19 310 2 relay outputs | | GW 19 360 3 relay outputs | | GW 19 356 LAN network | | GW 19 357 VoIP server |

ACCESSORIES

| | | | | |
|----------------------|---|---|---|---|
| <p>Telecameras</p> |  <p>GW 10 770 White GW 12 770 Black GW 14 770 Titanium</p> <p>Flush-mounting colour</p> |  <p>GW 18 291 Outdoor colour - IP65</p> | <p>Software</p> |  <p>GW 19 373 Software for system configuration</p> |
| <p>2-wire cables</p> |  <p>GW 19 391 Skin 100 m</p>  <p>GW 19 392 Coil 500 m</p> | <p>2-wire cables + 1 twisted pair</p>  <p>GW 19 393 Coil 100 m</p>  <p>GW 19 394 Coil 500 m</p> | <p>2-wire cables + 3 twisted pairs</p>  <p>GW 19 395 Coil 150 m</p>  <p>GW 19 396 Coil 500 m</p> | |

City vision

Entryphones and video entryphones

Range of video entryphones that enables the creation of complete and practical systems that range from individual home installations to those for extended residential complexes, from simple entryphones to integration with cutting-edge technologies. The system uses established 2-wire technology, with the possibility of expanding the system with backbones on the LAN network. Simple wiring, installation flexibility, reliability, and advanced features are the key strengths of this system.



Technical characteristics page 577

OUTDOOR STATIONS

AESIS 2-WIRE RANGE



GW 19 001

AESIS OUTDOOR STATIONS

| Code | Description | IP degree | Dimensions LxHxD (mm) | Pack Carton |
|-----------|---|-----------|-----------------------|-------------|
| GW 19 001 | Outdoor colour video entryphone station | IP54 | 99x207x30 | 1 |
| GW 19 006 | Outdoor entryphone station | IP54 | 99x207x30 | 1 |

CHARACTERISTICS: outdoor stations with grey technopolymer body and stainless steel finish. GW19001 equipped with NTSC/PAL colour telecamera 680x512 pixel resolution, 94° horizontal aperture angle, 77° vertical aperture angle, digital zoom regulation and lighting with high-efficiency white LEDs. Can house between 1 and 4 call push-buttons. The outdoor stations are equipped with microphone/loudspeaker volume regulation and electro-lock activation time regulation, an input for door opener push-buttons, an output for the electro-lock and 4 blue LEDs for button key backlighting. With intercom function as standard.

APPLICATIONS: for 2-wire systems, in combination with the power supply GW19301, GW19302 or GW19303.

NOTES: to be completed with call push-buttons - single (2 x GW19131), double (2 x GW19133) or dual-height (1 x GW19132). Can be wall-mounted or flush-mounted: in the latter case you will need the flush-mounting box (GW19101) and the flush-mounting frame (GW19102).

AESIS RANGE - ACCESSORIES



GW 19 101

FLUSH-MOUNTING BOX

| Code | For walls | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------|-----------------------|-------------|
| GW 19 101 | Masonry | 125x235x55 | 12 |

CHARACTERISTICS: with knockout holes for the cables.

ACCESSORIES SUPPLIED: equipped with an internal removable spacer that prevents any deformation of the box during the masonry work.

NOTES: to be used with the flush-mounting frame GW19102 for the flush-mounting assembly of AESIS outdoor station.



GW 19 102

FLUSH-MOUNTING FRAME

| Code | Colour | Dimensions LxHxD (mm) | Pack Carton |
|-----------|--------|-----------------------|-------------|
| GW 19 102 | Grey | 135x243x30 | 1 |

CHARACTERISTICS: made of technopolymer and equipped with a gasket.

NOTES: to be used with the flush-mounting box GW19101 for the flush-mounting assembly of AESIS outdoor stations.



GW 19 103

WALL-MOUNTING RAINSHIELD

| Code | Colour | Dimensions LxHxD (mm) | Pack Carton |
|-----------|--------|--------------------------|----------------|
| GW 19 103 | Grey | 103x209x50 | 1 |

CHARACTERISTICS: made of painted steel and equipped with a gasket.

NOTES: to be used for the wall-mounting assembly of AESIS outdoor stations. Not suitable for flush-mounting assembly.



GW 19 131

PUSH-BUTTONS

| Code | Description | No. keys | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------|--------------------------|----------------|
| GW 19 131 | Single push-button | 1 | 60x20x14 | 10 |
| GW 19 132 | Dual-height push-button | 1 | 60x40x14 | 10 |
| GW 19 133 | Double push-button | 2 | 60x20x14 | 10 |

CHARACTERISTICS: push-buttons made of anti-UV polycarbonate.

NOTES: equipped with personalisable name card.

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KARALIS 2-WIRE RANGE



GW 19 011 ME

KARALIS OUTDOOR STATIONS

| Code | Description | Colour | IP degree | Dimensions LxHxD (mm) | Pack Carton |
|--------------|---|----------|-----------|-----------------------|-------------|
| GW 19 011 TG | Outdoor colour video entryphone station | Grey | IP54 | 99x254x25 | 1 |
| GW 19 011 ME | Outdoor colour video entryphone station | Metallic | IP54 | 99x254x25 | 1 |
| GW 19 016 TG | Outdoor entryphone station | Grey | IP54 | 99x254x25 | 1 |
| GW 19 016 ME | Outdoor entryphone station | Metallic | IP54 | 99x254x25 | 1 |

CHARACTERISTICS: outdoor stations with grey technopolymer body and a finish in the same colour (version TG) or in satin chrome (version ME). GW19011TG/ME equipped with NTSC/PAL colour telecamera 680x512 pixel resolution, 100° horizontal aperture angle, 82° vertical aperture angle, digital zoom regulation, high-efficiency white LEDs. Can house between 1 and 8 call push-buttons. The outdoor stations are equipped with microphone/loudspeaker volume regulation and electro-lock activation time regulation, an input for door-opener push-buttons and devices for door status signalling, an output for the electro-lock and the activation of outdoor telecameras, and 8 blue LEDs for button key back-lighting. With front LEDs for visual system status signalling.

APPLICATIONS: for 2-wire systems, in combination with the power supply GW19301, GW19302 or GW19303.

NOTES: to be completed with a metal front plate (GW19116MM/MG/MB). Can house call push-buttons - single (4 x GW19131), double (4 x GW19133), or dual-height (2 x GW19132), RFID reader modules for proximity keys (GW19141), numerical keyboards (GW19137TG/ME). The number of call push-buttons can be increased by adding extra push-button panels (GW19091). Can be wall-mounted or flush-mounted: in the latter case you will need the flush-mounting box (GW19111) and the flush-mounting frame (GW19112TG/ME).

KARALIS IP EXTENSION RANGE



GW 19 056 ME

KARALIS OUTDOOR STATIONS

| Code | Description | Colour | IP degree | Dimensions LxHxD (mm) | Pack Carton |
|--------------|---|----------|-----------|-----------------------|-------------|
| GW 19 051 TG | Outdoor colour video entryphone station | Grey | IP54 | 99x254x25 | 1 |
| GW 19 051 ME | Outdoor colour video entryphone station | Metallic | IP54 | 99x254x25 | 1 |
| GW 19 056 TG | Outdoor entryphone station | Grey | IP54 | 99x254x25 | 1 |
| GW 19 056 ME | Outdoor entryphone station | Metallic | IP54 | 99x254x25 | 1 |

CHARACTERISTICS: outdoor stations with grey technopolymer body and a finish in the same colour (version TG) or in satin chrome (version ME). GW19051TG/ME equipped with NTSC/PAL colour telecamera 680x512 pixel resolution, 100° horizontal aperture angle, 82° vertical aperture angle, digital zoom regulation, high-efficiency white LEDs. Can house between 1 and 8 call push-buttons. The outdoor stations are equipped with microphone/loudspeaker volume regulation and electro-lock activation time regulation, an input for door-opener push-buttons and devices for door status signalling, an output for the electro-lock and the activation of outdoor telecameras, and 8 blue LEDs for button key back-lighting. With front LEDs for visual system status signalling.

APPLICATIONS: for systems with IP extension, in combination with power supplies GW19351.

NOTES: to be completed with a metal front plate (GW19116MM/MG/MB). Can house call push-buttons - single (4 x GW19131), double (4 x GW19133), or dual-height (2 x GW19132), RFID reader modules for proximity keys (GW19141), numerical keyboards (GW19137TG/ME). The number of call push-buttons can be increased by adding extra push-button panels (GW19091). Can be wall-mounted or flush-mounted: in the latter case you will need the flush-mounting box (GW19111) and the flush-mounting frame (GW19112TG/ME).

KARALIS RANGE - ACCESSORIES



GW 19 091

ADDITIONAL OUTDOOR PUSH-BUTTON PANEL

| Code | IP degree | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------|-----------------------|-------------|
| GW 19 091 | IP54 | 99x254x25 | 1 |

CHARACTERISTICS: additional push-button panel with grey technopolymer body, for KARALIS entryphone and video entryphone outdoor stations. Can house between 5 and 20 call push-buttons. Equipped with 20 blue LEDs for button key back-lighting.

NOTES: to be completed with a metal front plate (GW19116MM/MG/MB). Can house call push-buttons - single (10 x GW19131) or double (10 x GW19133), or dual-height (5 x GW19132). Can be wall-mounted or flush-mounted: in the latter case you will need the flush-mounting box (GW19111) and the flush-mounting frame (GW19112TG/ME).



GW 19 116 MM

FRONT PLATES

| Code | Description | Dimensions LxHxD (mm) | Pack Carton |
|--------------|-------------|-----------------------|-------------|
| GW 19 116 MM | Metal | 99x254x18 | 1 |
| GW 19 116 MG | Grey metal | 99x254x18 | 1 |
| GW 19 116 MB | Black metal | 99x254x18 | 1 |

CHARACTERISTICS: plates in anodised aluminium with grey technopolymer support.

NOTES: to be used in combination with KARALIS entryphone and video entryphone outdoor stations, and additional outdoor push-button panels GW19091.



GW 19 111

FLUSH-MOUNTING BOX

| Code | For walls | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------|--------------------------|----------------|
| GW 19 111 | Masonry | 140x294x55 | 12 |

CHARACTERISTICS: with knockout holes for the cables and joint elements for combined assembly.

ACCESSORIES SUPPLIED: equipped with an internal removable spacer that prevents any deformation of the box during the masonry work.

NOTES: to be used with the flush-mounting frames GW19112TG/ME for the flush-mounting assembly of KARALIS outdoor stations.



GW 19 112 ME

FLUSH-MOUNTING FRAMES

| Code | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|----------|--------------------------|----------------|
| GW 19 112 TG | Grey | 127x281x30 | 1 |
| GW 19 112 ME | Metallic | 127x281x30 | 1 |

CHARACTERISTICS: made of grey technopolymer (version TG) or with a satin chrome finish (version ME), and equipped with gasket.

NOTES: to be used with the flush-mounting box GW19111 for the flush-mounting assembly of KARALIS outdoor stations and additional outdoor push-button panels GW19091.



GW 19 113

WALL-MOUNTING RAINSHIELD

| Code | Colour | Dimensions LxHxD (mm) | Pack Carton |
|-----------|--------|--------------------------|----------------|
| GW 19 113 | Grey | 104x253x46 | 1 |

CHARACTERISTICS: made of painted steel and equipped with a gasket.

NOTES: to be used for the wall-mounting assembly of KARALIS outdoor stations and additional outdoor push-button panels GW19091. Not suitable for flush-mounting assembly.



GW 19 131

PUSH-BUTTONS

| Code | Description | No. keys | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|----------|--------------------------|----------------|
| GW 19 131 | Single push-button | 1 | 60x20x14 | 10 |
| GW 19 132 | Dual-height push-button | 1 | 60x40x14 | 10 |
| GW 19 133 | Double push-button | 2 | 60x20x14 | 10 |

CHARACTERISTICS: push-buttons made of anti-UV polycarbonate.

NOTES: equipped with personalisable name card.

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GW 19 134 ME

CAPS

| Code | Description | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|-----------------|----------|--------------------------|----------------|
| GW 19 134 TG | Single cap | Grey | 60x20x12 | 10 |
| GW 19 134 ME | Single cap | Metallic | 60x20x12 | 10 |
| GW 19 135 TG | Dual-height cap | Grey | 60x40x12 | 10 |
| GW 19 135 ME | Dual-height cap | Metallic | 60x40x12 | 10 |

CHARACTERISTICS: made of grey technopolymer (version TG) or with a satin chrome finish (version ME).

NOTES: to be used in combination with KARALIS entryphone and video entryphone outdoor stations, and additional outdoor push-button panels GW19091.



GW 19 136

INFORMATION MODULE

| Code | Description | Dimensions LxHxD (mm) | Pack Carton |
|-----------|--------------------|--------------------------|----------------|
| GW 19 136 | Dual-height module | 60x40x13 | 10 |

CHARACTERISTICS: made of anti-UV polycarbonate.

NOTES: equipped with personalisable name card. to be used in combination with KARALIS entryphone and video entryphone outdoor stations, and additional outdoor push-button panels GW19091. Cannot be used as a call push-button.



GW 19 137 ME

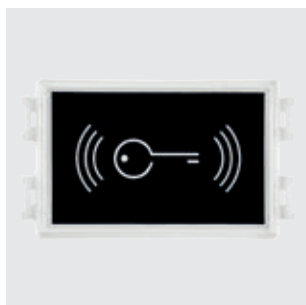
NUMERICAL KEYBOARDS

| Code | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|----------|--------------------------|----------------|
| GW 19 137 TG | Grey | 60x60x14 | 1 |
| GW 19 137 ME | Metallic | 60x60x14 | 1 |

CHARACTERISTICS: made of grey technopolymer (version TG) or with a satin chrome finish (version ME). Equipped with numerical button keys from 0 to 9, and two function button keys.

APPLICATIONS: numerical keyboard for forwarding a coded call or opening the electro-lock.

NOTES: to be used in combination with KARALIS entryphone and video entryphone outdoor stations. Cannot be installed on the additional outdoor push-button panels GW19091.



GW 19 141

RFID READER FOR PROXIMITY KEYS

| Code | Dimensions LxHxD (mm) | Pack Carton |
|-----------|--------------------------|----------------|
| GW 19 141 | 60x40x12 | 1 |

CHARACTERISTICS: reader for cards and transponder keys GW19142 and GW19143.

APPLICATIONS: for opening the electro-lock.

NOTES: to be used in combination with KARALIS entryphone and video entryphone outdoor stations and power supplies GW19301 and GW19351. Cannot be installed on the additional outdoor push-button panels GW19091.



GW 19 142

PROXIMITY KEYS

| Code | Description | Dimensions LxHxD (mm) | Pack Carton |
|-----------|----------------------|--------------------------|----------------|
| GW 19 142 | 10 transponder cards | 86x54 | 1 |
| GW 19 143 | 5 transponder keys | 37x53x10 | 1 |

CHARACTERISTICS: GW19142 in card format; GW19143 in key-holder format.
NOTES: to be used in combination with the RFID reader for proximity keys GW19141.

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ANTAS IP EXTENSION RANGE



GW 19 061

ANTAS OUTDOOR STATION

| Code | Description | IP degree | Dimensions LxHxD (mm) | Pack Carton |
|-----------|---|-----------|-----------------------|-------------|
| GW 19 061 | Outdoor colour video entryphone station | IP54 | 140x380x42 | 1 |

CHARACTERISTICS: outdoor station complete with front plate in dual-treatment stainless steel (brushed/matte). Equipped with NTSC/PAL colour telecamera 680x512 pixel resolution, 100° horizontal aperture angle, 82° vertical aperture angle, digital zoom regulation, high-efficiency white LEDs. LCD graphic display, 128x128 pixels, white backlighting, 4 button keys for navigation, alphanumerical keyboard, integrated RFID reader module for proximity keys. The outdoor station is equipped with microphone/loudspeaker volume regulation and electro-lock activation time regulation, an output for the electro-lock and the activation of outdoor telecameras. With front LEDs for visual system status signalling.

APPLICATIONS: for systems with IP extension, in combination with power supplies GW19351.

NOTES: can be wall-mounted or flush-mounted, using the wall-mounting box (GW19162) or the flush-mounting box (GW19161) respectively.

ANTAS RANGE - ACCESSORIES



GW 19 162

WALL-MOUNTING BOX

| Code | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------------|-------------|
| GW 19 162 | 145x383x64 | 1 |

CHARACTERISTICS: made of brushed stainless steel. Equipped with a rainproof roof.

NOTES: to be used for the wall-mounting assembly of ANTAS outdoor stations.



GW 19 161

FLUSH-MOUNTING BOX

| Code | For walls | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------|-----------------------|-------------|
| GW 19 161 | Masonry | 127x367x45 | 1 |

CHARACTERISTICS: made of brushed stainless steel. with knockout holes for the cables.

NOTES: to be used for the flush-mounting assembly of ANTAS outdoor stations.



GW 19 163

FLUSH-MOUNTING RAINSHIELD

| Code | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------------------|-------------|
| GW 19 163 | 144x382x20 | 1 |

CHARACTERISTICS: made of brushed stainless steel.

NOTES: to be used for the flush-mounting assembly of ANTAS outdoor stations. Not suitable for wall-mounting assembly.

INDOOR MONITORS

NORA RANGE



GW 19 236

NORA INDOOR ENTRYPHONE UNIT

| Code | Description | Colour | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------------|--------|--------------------------|----------------|
| GW 19 236 | Entryphone with handset | White | 102x190x39 | 1 |

CHARACTERISTICS: equipped with push-buttons for door opener command, an auxiliary function (e.g. opening of gate, switch-on of stair raiser light, etc.), intercom calls (up to 10 calls) and a 3-position selector for regulating the ringer volume. The ringtones can be personalised to identify where the call is coming from (e.g. outdoor stations, landing, etc.). With an input for calls from the landing, and an alarm input. BUS power supply.

NOTES: wall-mounting. To fix it, use flush-mounting boxes - round Ø 60mm (e.g. GW24232), square (e.g. GW24231), rectangular (e.g. GW24403) - or fix directly on the wall with the aid of wall plugs.

VELIA RANGE



GW 19 216 WH

VELIA INDOOR ENTRYPHONE UNITS

| Code | Description | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|------------------------------|--------|--------------------------|----------------|
| GW 19 216 WH | Entryphone with speakerphone | White | 110x170x31 | 1 |
| GW 19 216 BK | Entryphone with speakerphone | Black | 110x170x31 | 1 |

CHARACTERISTICS: equipped with push-buttons with blue LED backlighting for activating/deactivating the communication, door opener command, two auxiliary functions (e.g. opening of gate, switch-on of stair raiser light, etc.), intercom calls (up to 2 calls) and two push-buttons for regulating the ringer volume, with red LED backlight indicating disabled ringer. The ringtones can be personalised to identify where the call is coming from (e.g. outdoor station, landing, etc.). With input for call from landing. BUS power supply.

NOTES: wall-mounting. To fix it, use flush-mounting boxes - round Ø 60mm (e.g. GW24232), square (e.g. GW24231), rectangular (e.g. GW24403) - or fix directly on the wall with the aid of wall plugs.



GW 19 211 WH

VELIA INDOOR VIDEO ENTRYPHONE MONITORS

| Code | Description | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|------------------------------------|--------|--------------------------|----------------|
| GW 19 211 WH | Video entryphone with speakerphone | White | 145x170x31 | 1 |
| GW 19 211 BK | Video entryphone with speakerphone | Black | 145x170x31 | 1 |

CHARACTERISTICS: 3.5" LCD colour display and speakerphone audio. Equipped with push-buttons with blue LED backlighting for activating/deactivating the communication and excluding the audio during the conversation, door opener command, visualisation of images from outdoor station, two auxiliary functions (e.g. opening of gate, switch-on of stair raiser light, etc.), ringer exclusion. Equipped with push-buttons for intercom calls (up to 8 calls), assistance request to porter, ringer volume regulation, light intensity regulation and display colour saturation regulation. The ringtones can be personalised to identify where the call is coming from (e.g. outdoor station, landing, etc.). With an input for calls from the landing, and an alarm input. BUS power supply.

NOTES: wall-mounting. To fix it, use flush-mounting boxes - round Ø 60mm (e.g. GW24232), square (e.g. GW24231), rectangular (e.g. GW24403) - or fix directly on the wall with the aid of wall plugs.

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SENA RANGE



GW 19 221 WH

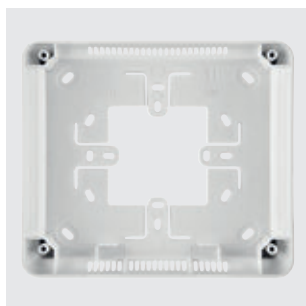
SENA INDOOR TOUCH MONITORS

| Code | Description | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|------------------------------------|--------|--------------------------|----------------|
| GW 19 221 WH | Video entryphone with speakerphone | White | 158x138x31 | 1 |
| GW 19 221 BK | Video entryphone with speakerphone | Black | 158x138x31 | 1 |

CHARACTERISTICS: 3.5" LCD colour display and speakerphone audio. Equipped with touch push-buttons with blue LED backlighting for activating/deactivating the communication and commanding the door opener. Equipped with touch push-buttons for viewing images from outdoor station, two auxiliary functions (e.g. opening of gate, switch-on of stair raiser light, etc.), ringer exclusion, intercom calls (up to 10 calls), assistance request to porter, ringer volume regulation, light intensity regulation, for contrast and display colour saturation, image zoom. The ringtones can be personalised to identify where the call is coming from (e.g. outdoor station, landing, etc.). With an input for calls from the landing, and an alarm input. BUS or external power supply.

NOTES: wall-mounting with support GW19223WH (white) or GW19223BK (black), or flush-mounting with box GW19224.

SENA RANGE - ACCESSORIES



GW 19 223 WH

WALL-MOUNTING BOXES

| Code | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|--------|--------------------------|----------------|
| GW 19 223 WH | White | 158x138x25 | 1 |
| GW 19 223 BK | Black | 158x138x25 | 1 |

NOTES: to be used for the wall-mounting assembly of SENA indoor video entryphone monitors. To fix it, use flush-mounting boxes - round Ø 60mm (e.g. GW24232), square (e.g. GW24231), rectangular (e.g. GW24403, GW24206) - or fix directly on the wall with the aid of wall plugs.



GW 19 224

FLUSH-MOUNTING BOX

| Code | For walls | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-----------|--------------------------|----------------|
| GW 19 224 | Masonry | 145x125x54 | 1 |

CHARACTERISTICS: with knockout holes for the cables.

NOTES: to be used for the flush-mounting assembly of SENA indoor video entryphone monitors.

NAXOS RANGE



GW 19 201 WH

NAXOS INDOOR TOUCH MONITORS - VIDEO ENTRYPHONE FUNCTION

| Code | Supply voltage | Display | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|-------------------------------------|---------|--------|-----------------------|-------------|
| GW 19 201 WH | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | White | 203x108x31 | 1 |
| GW 19 201 BK | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | Black | 203x108x31 | 1 |

CHARACTERISTICS: built-in 4.3" LCD touchscreen colour display, speakerphone audio and handset. Equipped with door opener command, stair raiser light command, visualisation of images from outdoor stations, image zoom, two auxiliary functions (e.g. gate opening, etc.), ringer exclusion, intercom calls (up to 10 calls), assistance request to porter, video mail (up to 10 video messages), ringer volume regulation, display light intensity regulation. The ringtones can be personalised to identify where the call is coming from (e.g. outdoor station, landing, etc.). With an input for calls from the landing, and an alarm input. Powered from an external power supply (e.g. GW19305).

NOTES: wall-mounting. To fix it, use flush-mounting boxes - round Ø 60mm (e.g. GW24232), square (e.g. GW24231), rectangular (e.g. GW24403) - or fix directly on the wall with the aid of wall plugs. For free-standing use, you will need the accessory GW19203WH (white) or GW19203BK (black).



GW 10 962 WH

NAXOS COMBI INDOOR TOUCH MONITORS - VIDEO ENTRYPHONE + KNX/EASY COMMAND AND VISUALISATION FUNCTION

| Code | Supply voltage | Display | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|-------------------------------------|---------|--------|-----------------------|-------------|
| GW 10 962 WH | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | White | 203x108x31 | 1 |
| GW 12 962 BK | 14-24 V dc / 12-16 V ac - 0.5 A max | 4,3" | Black | 203x108x31 | 1 |

CHARACTERISTICS: the devices combine the functions of a KNX command and visualisation panel with those of an indoor video entryphone monitor with speakerphone. For the characteristics of the video entryphone part, refer to the NAXOS indoor monitor (GW19201WH/BK). To be configured with ETS software or Easy controller. Powered from an external power supply (e.g. GW19305).

APPLICATIONS: ON-OFF commands, roller shutters, dimmers, control commands for temperature adjustment, timed thermostat function (to be used in combination with a KNX temperature sensor), scenes (storage and activation), timers, logic functions, management of independent inputs and outputs. Also used to control the burglar alarm system, the energy management and the load control.

NOTES: wall-mounting. To fix it, use flush-mounting boxes - round Ø 60mm (e.g. GW24232), square (e.g. GW24231), rectangular (e.g. GW24403) - or fix directly on the wall with the aid of wall plugs.



GW 19 202 WH

NAXOS TOUCH MONITORS FOR PORTER'S DESK

| Code | Description | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|---------------|--------|-----------------------|-------------|
| GW 19 202 WH | Porter's desk | White | 203x140x120 | 1 |
| GW 19 202 BK | Porter's desk | Black | 203x140x120 | 1 |

CHARACTERISTICS: built-in 4.3" LCD touchscreen colour display, speakerphone audio and handset. Powered from an external power supply (e.g. GW19305). Free-standing support supplied.

APPLICATIONS: used to create systems with main porters and individual block porters. You can receive direct calls and forward them to the users in your block, activate the stair raiser light commands and auxiliary services, enable the opening of the door, etc..

NOTES: to be used in 2-wire or IP extension systems, in combination with the power supplies GW19301 and GW19351.

NAXOS RANGE - ACCESSORIES



GW 19 203 WH

FREE-STANDING KIT

| Code | Colour | Dimensions LxHxD (mm) | Pack Carton |
|--------------|--------|--------------------------|----------------|
| GW 19 203 WH | White | 185x114x106 | 1 |
| GW 19 203 BK | Black | 185x114x106 | 1 |

CHARACTERISTICS: equipped with a steel base.
NOTES: for the free-standing use of NAXOS indoor monitors (GW19201WH/BK).



GW 19 305

POWER SUPPLY - DIN RAIL MOUNTING

| Code | Input voltage | Output voltage | No. DIN modules | Pack Carton |
|-----------|--------------------|---------------------|--------------------|----------------|
| GW 19 305 | 230V ac - 50/60 Hz | 18 V dc - 0.5 A max | 3 | 1 |

CHARACTERISTICS: protected against overloads and short-circuiting. Supplies 350mA (500mA in intermittent service).
NOTES: to be used to power NAXOS indoor monitors (GW19201WH/BK), NAXOS COMBI (GW10962WH and GW12962BK), NAXOS for porter's desk (GW19202WH and GW19202BK) and NAXOS DOMO panels (GW10961WH and GW12961BK).

MASTER ICE



GW 12 010 CB

MASTER ICE INDOOR TOUCH MONITORS - VIDEO ENTRYPHONE FUNCTION + KNX COMMAND AND VISUALISATION

| Code | Supply voltage | Display | Colour | Pack Carton |
|--------------|----------------|---------|--------|-------------|
| GW 12 015 CB | 18-32 V dc | 15" | White | 1 |
| GW 12 015 CN | 18-32 V dc | 15" | Black | 1 |
| GW 12 010 CB | 18-32 V dc | 10" | White | 1 |
| GW 12 010 CN | 18-32 V dc | 10" | Black | 1 |

CHARACTERISTICS: TFT colour touchscreen control panel in format 4:3, backlit with LEDs. Used for the supervision, command and control of the KNX system, and includes the basic function of an indoor video entryphone monitor. Display of commands and statuses via icons on maps, images and plans. Used for the remote control of the domotic system, via the Internet: Master Ice can be accessed via specific apps (for smartphones and tablets) or via a PC (with a web browser). Both services are subject to a cost, but allow you to manage all the functions (lights, roller shutters, climate control, burglar alarm, video cameras, etc.) apart from certain specific data. Contact the Gewiss technical service for a full list of the video entryphone functions and the functions that can be remotely controlled via apps. Microsoft® Windows 8 operating system, video resolution 1024x768, 2 Ethernet ports 10/100/1000 Mb/s, 2 USB ports 2.0, 1 HDMI port, 1 Line-out audio output, 1 input for microphone, direct connection to the KNX BUS. The panels are equipped with the pre-loaded Easydom Next Home Elite SW licence. The MASTER ICE panel must be installed in BUS systems configured with ETS software. Powered from an external power supply (e.g. GW90802).

APPLICATIONS: local and remote (via the Internet) control of the KNX system, lighting management, roller shutters, thermoregulation, scenes, timed programming, automatic sending of e-mails relating to operations, visualisation of the images from the safety telecameras, visualisation of energy consumption values, control of the burglar alarm system, access to multimedia contents, City Vision indoor video entryphone monitor (intercom or video inclusion functions not available).

NOTES: GW12010CB/CN: to be used in combination with the flush-mounting box GW24101 or GW24101PM (not included). GW12015CB/CN: to be used in combination with the flush-mounting box GW24102 or GW24102PM (not included). In order to use the Master Ice panels as indoor video entryphone monitor in the City Vision system, the system must include the LAN interface (GW19356) and VoIP server (GW19357).

MASTER ICE - ACCESSORIES



GW 90 802

POWER SUPPLY - DIN RAIL MOUNTING

| Code | Input voltage | Rated coil voltage (V) | No. DIN modules | Pack Carton |
|-----------|----------------------|------------------------|-----------------|-------------|
| GW 90 802 | 100/240 V - 50/60 Hz | 24V dc - 2.5 A | 4.5 | 1 |

CHARACTERISTICS: protected against input overvoltages and output short-circuiting.

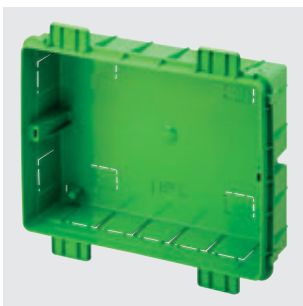
NOTES: used to power up Master ICE.



GW 24 101

FLUSH-MOUNTING BOX FOR MASONRY WALLS

| Code | For panels | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|-----------|----------------|-----------------------|-----------------|-------------|
| GW 24 101 | Master ICE 10" | 306x238x80 | Halogen free | 1/14 |
| GW 24 102 | Master ICE 15" | 396x306x85 | Halogen free | 1/6 |



GW 24 101 PM

FLUSH-MOUNTING BOX FOR PLASTERBOARD WALLS

| Code | For panels | Outer dim. LxHxD (mm) | Characteristics | Pack Carton |
|--------------|----------------|-----------------------|-----------------|-------------|
| GW 24 101 PM | Master ICE 10" | 306x238x80 | Halogen free | 1/14 |
| GW 24 102 PM | Master ICE 15" | 396x306x85 | Halogen free | 1/6 |

NOTES: with fixing tabs on a metallic structure for lightweight and plasterboard walls.

Chorus - City Vision

VIDEO-ENTRYPHONE KITS

AESIS KIT



GW 19 401 BK

AESIS + VELIA KIT

| Code | Colour of indoor monitor | Pack Carton |
|--------------|--------------------------|-------------|
| GW 19 401 WH | White | 1 |
| GW 19 401 BK | Black | 1 |

KIT COMPOSITION:

1 VELIA video entryphone with speakerphone GW19211WH (white) or GW19211BK (black),

1 AESIS outdoor video station GW19001,

1 dual-height push-button GW19132,

1 power supply GW19302.

CHARACTERISTICS: with intercom function as standard.

APPLICATIONS: the material supplied in the kit allows you to set up a single-family system that can be expanded to a multi-family building (up to 4 apartments).

NOTES: the kit can be used for the wall-mounting of the indoor monitor and outdoor station.

KARALIS KIT



GW 19 410 BK

BASIC KARALIS + NAXOS KIT

| Code | Colour of indoor monitor | Pack Carton |
|--------------|--------------------------|-------------|
| GW 19 410 WH | White | 1 |
| GW 19 410 BK | Black | 1 |

KIT COMPOSITION:

1 NAXOS video entryphone with speakerphone GW19201WH (white) or GW19201BK (black),

1 KARALIS outdoor video station GW19011ME,

1 dual-height push-button GW19132,

1 dual-height cap GW19135ME,

1 front plate GW19116MB (black),

1 power supply GW19303.

APPLICATIONS: the material supplied in the kit allows you to set up a single-family system that can be expanded to a condominium (up to 100 apartments, with 1 outdoor station).

NOTES: the kit can be used for the wall-mounting of the indoor monitor and outdoor station.



GW 19 411 BK

EVO KARALIS + VELIA KIT

| Code | Colour of indoor monitor | Pack Carton |
|--------------|--------------------------|-------------|
| GW 19 411 WH | White | 1 |
| GW 19 411 BK | Black | 1 |

KIT COMPOSITION:

1 VELIA video entryphone with speakerphone GW19211WH (white) or GW19211BK (black),

1 KARALIS outdoor video station GW19011ME,

1 single push-button GW19131,

3 single caps GW19134ME,

1 front plate GW19116MB (black),

1 flush-mounting box for KARALIS GW19111,

1 flush-mounting frame GW19112ME,

1 power supply GW19301.

CHARACTERISTICS: with intercom function as standard. Supports RFID readers for proximity keys.

APPLICATIONS: the material supplied in the kit allows you to set up a single-family system that can be expanded to a residential complex (up to 100 apartments, and up to 3 outdoor stations).

NOTES: the kit can be used for the wall-mounting of the indoor monitor and the wall-mounting or flush-mounting of the outdoor station.



GW 19 412 BK

EVO KARALIS + SENA KIT

| Code | Colour of indoor monitor | Pack Carton |
|--------------|--------------------------|-------------|
| GW 19 412 WH | White | 1 |
| GW 19 412 BK | Black | 1 |

KIT COMPOSITION:

1 SENA video entryphone with speakerphone GW19221WH (white) or GW19221BK (black),

1 flush-mounting box for SENA GW19224,

1 wall-mounting support for SENA GW19223WH (white) or GW19223BK (black),

1 KARALIS outdoor video station GW19011ME,

1 single push-button GW19131,

3 single caps GW19134ME,

1 front plate GW19116MB (black),

1 flush-mounting box for KARALIS GW19111,

1 flush-mounting frame GW19112ME,

1 power supply GW19301.

CHARACTERISTICS: with intercom function as standard. Supports RFID readers for proximity keys.

APPLICATIONS: the material supplied in the kit allows you to set up a single-family system that can be expanded to a residential complex (up to 100 apartments, and up to 3 outdoor stations).

NOTES: the kit can be used for the wall-mounting or flush-mounting of the indoor monitor and outdoor station.

SYSTEM DEVICES

POWER SUPPLIES



GW 19 301

SYSTEM POWER SUPPLY FOR 2-WIRE SYSTEMS - FROM DIN RAIL

| Code | Input voltage | Output for outdoor stations | Output for riser | No. DIN modules | Pack Carton |
|-----------|--------------------|-----------------------------|---------------------|-----------------|-------------|
| GW 19 301 | 230V ac - 50/60 Hz | 18V DC - 1.1 A max. | 20V DC - 0.8 A max. | 12 | 1 |

CHARACTERISTICS: protected against overloads and short-circuiting. With an 18V DC output for powering outdoor stations, a 20V DC output for connecting and powering the video entryphone upright, inputs for managing up to 3 outdoor stations, and 2 open collector outputs for auxiliary functions. Includes the general intercom function, and manages the access control devices (RFID reader GW19141, card GW19142 and transponder key GW19143). Can be programmed manually or with PC equipped with software GW19373 (via mini USB connector). IP30 degree of protection.

NOTES: to be used with AESIS outdoor stations (GW19001, GW19006) or KARALIS 2-wire (GW19011TG, GW19011ME, GW19016TG, GW19016ME).



GW 19 351

SYSTEM POWER SUPPLY FOR IP EXTENSION SYSTEMS - FROM DIN RAIL

| Code | Input voltage | Output for outdoor stations | Output for riser | No. DIN modules | Pack Carton |
|-----------|--------------------|-----------------------------|---------------------|-----------------|-------------|
| GW 19 351 | 230V ac - 50/60 Hz | 18V DC - 1.1 A max. | 20V DC - 0.8 A max. | 12 | 1 |

CHARACTERISTICS: protected against overloads and short-circuiting. With an 18V DC output for powering outdoor stations, a 20V DC output for connecting and powering the video entryphone upright, inputs for managing up to 4 outdoor stations, 2 open collector outputs for auxiliary functions, and a connector for the LAN network interface GW19356. Manages the access control devices (RFID reader GW19141, card GW19142 and transponder key GW19143). Programmed with PC equipped with software GW19373 (via mini USB connector). IP30 degree of protection.

NOTES: to be used with KARALIS outdoor stations with IP extension (GW19051TG, GW19051ME, GW19056TG, GW19056ME) or ANTAS IP extension (GW19061).



GW 19 302

ADDITIONAL POWER SUPPLIES - FROM DIN RAIL

| Code | Input voltage | Output voltage | No. DIN modules | Pack Carton |
|-----------|--------------------|-----------------------|-----------------|-------------|
| GW 19 302 | 230V ac - 50/60 Hz | 18V DC - 1 A max. | 4 | 1 |
| GW 19 303 | 230V ac - 50/60 Hz | 17.5V DC - 1.7 A max. | 8 | 1 |

CHARACTERISTICS: protected against overloads and short-circuiting. GW19302: supplies 500mA (1A in intermittent service). IP30 degree of protection.

NOTES: to be used for the supplementary powering of indoor monitors and/or outdoor stations.

POWER SUPPLY/SIGNAL REPEATER



GW 19 304

POWER SUPPLY/SIGNAL REPEATER - FROM DIN RAIL

| Code | Input voltage | Output voltage | No. DIN modules | Pack Carton |
|-----------|--------------------|---------------------|-----------------|-------------|
| GW 19 304 | 230V ac - 50/60 Hz | 20V DC - 0.8 A max. | 8 | 1 |

CHARACTERISTICS: protected against overloads and short-circuiting. IP30 degree of protection.

APPLICATIONS: used to extend the video entryphone upright in terms of distances and number of indoor monitors.

Chorus - City Vision

VIDEO DISTRIBUTORS



GW 19 306

VIDEO DISTRIBUTORS - FROM DIN RAIL

| Code | Description | Power supply | Riser attenuation | Output attenuation | No. DIN modules | Pack Carton |
|-----------|---------------------|------------------|-------------------|--------------------|-----------------|-------------|
| GW 19 306 | 4 outputs | From BUS | 0.6 dB | 20 dB | 1 | 1 |
| GW 19 307 | 4 amplified outputs | 14-18V DC - 60mA | 0.6 dB | 1 dB max | 6 | 1 |

APPLICATIONS: used to distribute the video signal from the video entryphone upright on 4 lines.

VIDEO AMPLIFIER



GW 19 311

VIDEO AMPLIFIER - FROM DIN RAIL

| Code | Power supply | Line amplification | No. DIN modules | Pack Carton |
|-----------|-----------------------|--------------------|-----------------|-------------|
| GW 19 311 | From BUS (20 mA max.) | 6/20 dB | 1 | 1 |

APPLICATIONS: used to compensate the loss of the video signal on the video entryphone line.

MODULES FOR INTERCOMMUNICATION



GW 19 308

INTERCOM MODULE - FROM DIN RAIL

| Code | Power supply | Output voltage | No. DIN modules | Pack Carton |
|-----------|--------------------|---------------------|-----------------|-------------|
| GW 19 308 | 230V ac - 50/60 Hz | 20V DC - 0.8 A max. | 6 | 1 |

APPLICATIONS: used to create groups of intercommunicating indoor monitors.

VIDEO SELECTORS



GW 19 309

VIDEO SELECTOR FOR 2-WIRE SYSTEMS - FROM DIN RAIL

| Code | Power supply | No. telecameras connectable | No. DIN modules | Pack Carton |
|-----------|------------------------|-----------------------------|-----------------|-------------|
| GW 19 309 | 12-18V DC - 100mA max. | 4 | 1 | 1 |

CHARACTERISTICS: equipped with 4 inputs for the video signal from the B/W or colour telecameras (PAL/NTSC standard); each telecamera must be powered autonomously.

APPLICATIONS: used to cyclically view - on the indoor video entryphone monitors - the images from the telecameras; alternatively, it can be used as an activator for an outdoor telecamera combined with an outdoor audio-only monitors.

NOTES: to be used in 2-wire systems, in combination with the power supplies GW19301.



GW 19 359

VIDEO SELECTOR FOR IP EXTENSION SYSTEMS - FROM DIN RAIL

| Code | Power supply | No. telecameras connectable | No. DIN modules | Pack Carton |
|-----------|------------------------|-----------------------------|-----------------|-------------|
| GW 19 359 | 12-18 V dc - 90 mA max | 4 | 1 | 1 |

CHARACTERISTICS: equipped with 4 inputs for the video signal from the B/W or colour telecameras (PAL/NTSC standard); each telecamera must be powered autonomously.

APPLICATIONS: used to cyclically view - on the indoor video entryphone positions - the images from the telecameras; alternatively, it can be used as an activator for an outdoor telecamera combined with an outdoor audio-only station.

NOTES: to be used in systems with IP extension, in combination with power supplies GW19351.

ACTUATORS



GW 19 310

AUXILIARY ACTUATOR FOR 2-WIRE SYSTEMS - FROM DIN RAIL

| Code | Power supply | Output contacts | No. DIN modules | Pack Carton |
|-----------|-----------------------------------|--------------------------|-----------------|-------------|
| GW 19 310 | 14-18V DC / 12-14V AC - 50mA max. | 2A(AC1)/1A(AC15) 250V AC | 4 | 1 |

CHARACTERISTICS: equipped with 2 relays with NO/NC contacts and a potentiometer for regulating the activation time (1-16 sec.). IP30 degree of protection.

APPLICATIONS: used to activate up to 2 loads that can be associated with door opener commands or auxiliary commands of the indoor monitors (e.g. opening of gate, switch-on of stair raiser light, etc.).

NOTES: to be used in 2-wire systems.



GW 19 360

AUXILIARY ACTUATOR FOR IP EXTENSION SYSTEMS - FROM DIN RAIL

| Code | Power supply | Output contacts | No. DIN modules | Pack Carton |
|-----------|-------------------------|-----------------------------|-----------------|-------------|
| GW 19 360 | 11-18 V dc - 200 mA max | 10A(AC1) / 2A(AC15) 250V AC | 4 | 1 |

CHARACTERISTICS: equipped with 3 relays with NO/NC contacts. IP30 degree of protection.

APPLICATIONS: used to activate up to 3 loads that can be associated with door opener commands or auxiliary commands of the indoor monitors (e.g. opening of gate, switch-on of stair raiser light, etc.).

NOTES: to be used in systems with IP extension, in combination with power supplies GW19351.

LAN NETWORK INTERFACE



GW 19 356

LAN NETWORK INTERFACE - FROM DIN RAIL

| Code | Power supply | No. DIN modules | Pack Carton |
|-----------|-------------------------------|-----------------|-------------|
| GW 19 356 | 14-18V DC - 390mA max. (@14V) | 8 | 1 |

CHARACTERISTICS: equipped with 2 Ethernet ports 10/100 Mb, 1 connector for connecting to the power supply GW19351, and 1 input for managing 1 KARALIS IP extension outdoor station (GW19051TG, GW19051ME, GW19056TG, GW19056ME) or 1 ANTAS IP extension outdoor station (GW19061). IP30 degree of protection.

APPLICATIONS: used to create IP ridges for extending the video entryphone system to residential complexes.

NOTES: to be used in systems with IP extension, in combination with power supplies GW19351.

VOIP SERVER



GW 19 357

VOIP SERVER - FROM DIN RAIL

| Code | Power supply | No. DIN modules | Pack Carton |
|-----------|--------------------------------|-----------------|-------------|
| GW 19 357 | 12-24 V dc - 285 mA max (@14V) | 6 | 1 |

CHARACTERISTICS: uses the SIP protocol.

APPLICATIONS: enables the Master Ice panels to be used in the City Vision system as indoor video entryphone monitor. To be used in combination with the LAN interface (GW19356).

NOTES: to be used in systems with IP extension, in combination with power supplies GW19351.

ACCESSORIES

TELECAMERAS



GW 14 770

INDOOR TELECAMERAS - FLUSH-MOUNTING

| Code | Colour | Supply voltage | Video signal | No. Chorus modules | Pack Carton |
|-----------|----------|----------------|--------------|--------------------|-------------|
| GW 10 770 | White | 12V dc | PAL | 2 | 1 |
| GW 12 770 | Black | 12V dc | PAL | 2 | 1 |
| GW 14 770 | Titanium | 12V dc | PAL | 2 | 1 |

CHARACTERISTICS: colour camera for video surveillance. Can be used with the GW19309 or GW19359 camera interface.



GW 18 291

OUTDOOR TELECAMERAS - IP65

| Code | Colour | Supply voltage | Video signal | Dimensions LxHxD (mm) | Pack Carton |
|-----------|--------|----------------|--------------|-----------------------|-------------|
| GW 18 291 | Black | 12V dc | PAL | 90x82x200 mm | 1 |

CHARACTERISTICS: outdoor Day&Night colour telecamera for video control, with infrared LED lighting. Equipped with fixing bracket with articulated joint. Can be used with the GW19309 or GW19359 camera interface.

SOFTWARE



GW 19 373

PROGRAMMING SOFTWARE

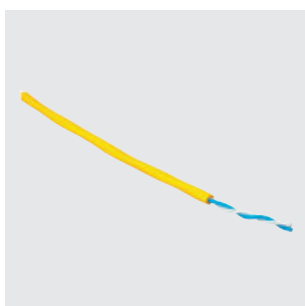
| Code | Description | Pack Carton |
|-----------|----------------------|-------------|
| GW 19 373 | Programming software | 1 |

CHARACTERISTICS: the code includes 1 USB key containing the configuration software for PC, and a 4-metre USB cable.

APPLICATIONS: software for configuring 2-wire video entryphone systems and/or IP extension.

NOTES: to be installed on a PC equipped with Windows XP® (or higher) and a USB port. For programming purposes, the PC must be connected to the power supply GW19301 or GW19351 using the USB cable supplied.

CABLES



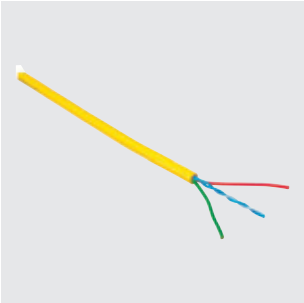
GW 19 391

2-WIRE CABLES

| Code | Description | Cable length | Pack Carton |
|-----------|-----------------------------|--------------|-------------|
| GW 19 391 | 2 wires (1mm ²) | 100 m | 100 |
| GW 19 392 | 2 wires (1mm ²) | 500 m | 500 |

CHARACTERISTICS: 2 twisted wires (10 turns/m) in watertight copper, with white and blue sheaths, nominal impedance 100 ohm (f=1MHz), capacity 50pF (at 20°C). External isolating sheath in PVC, diameter 7mm, yellow, with minimum cable curve radius 80mm.

APPLICATIONS: suitable for 2-wire uprights with indoor monitors powered from the BUS.



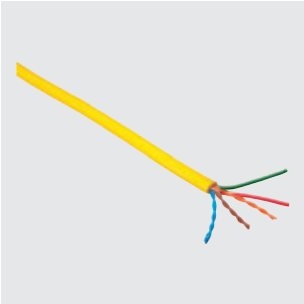
GW 19 393

2-WIRE CABLES + 1 TWISTED PAIR

| Code | Description | Cable length | Pack Carton |
|-----------|---|--------------|-------------|
| GW 19 393 | 2 wires (1mm ²) + 1 twisted pair (0.28mm ²) | 100 m | 100 |
| GW 19 394 | 2 wires (1mm ²) + 1 twisted pair (0.28mm ²) | 500 m | 500 |

CHARACTERISTICS: 2 power supply wires in watertight copper, with red and green sheaths. 1 twisted cable (70mm pitch) in watertight copper, with white/blue and blue sheaths, nominal impedance 100 ohm (f=1MHz), capacity 50pF (at 20°C). External isolating sheath in PVC, diameter 8mm, yellow, with minimum cable curve radius 80mm.

APPLICATIONS: suitable for 2-wire uprights with separate power supply to the indoor monitors, or for connections between outdoor stations and 2-wire system power supplies (GW19301).



GW 19 395

2-WIRE CABLES + 3 TWISTED PAIRS

| Code | Description | Cable length | Pack Carton |
|-----------|--|--------------|-------------|
| GW 19 395 | 2 wires (1.5mm ²) + 3 twisted pairs (0.28mm ²) | 150 m | 150 |
| GW 19 396 | 2 wires (1.5mm ²) + 3 twisted pairs (0.28mm ²) | 500 m | 500 |

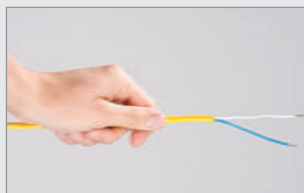
CHARACTERISTICS: 2 power supply wires in watertight copper, with red and green sheaths. 3 twisted cables (70mm pitch) in watertight copper, with blue and white/blue, orange and white/orange, brown and white/brown sheaths, nominal impedance 100 ohm (f=1MHz), capacity 50pF (at 20°C). External isolating sheath in PVC, diameter 11mm, yellow, with minimum cable curve radius 150mm.

APPLICATIONS: suitable for connections between outdoor stations and power supplies of IP extension system (GW19351).

City Vision



2-WIRE TECHNOLOGY CAN BE
EXTENDED ON THE LAN NETWORK



The video entryphone system uses the well-known 2-wire technology and can be further extended with IP technology, thanks to the use of specific LAN infrastructures, and integration with Gewiss domotics.

THE RANGE



City Vision offers a huge range of devices that make it easy to design and create the structure of the video entryphone system. The system includes a wide selection of indoor monitors and outdoor stations for wall-mounting or flush-mounting, suitable for any installation context.

APPLICATION SOLUTIONS

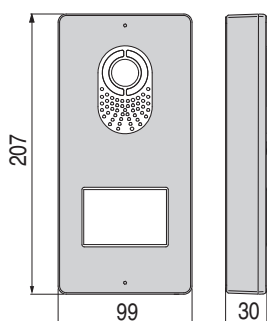


Depending on the number of homes, the functions required and the extension of the video entryphone system, it's possible to create various types of 2-wire system: single-family/two-family, single building or block, residential complexes with several buildings.

Dimension tables

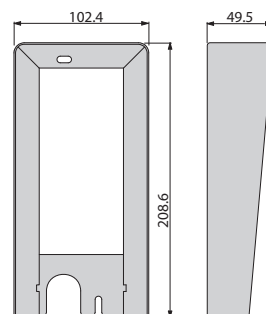
AESIS - OUTDOOR STATIONS

WALL-MOUNTING



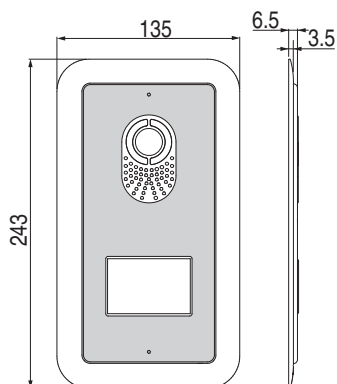
Entryphone
GW 19 006
Video entryphone
GW 19 001

WALL-MOUNTING



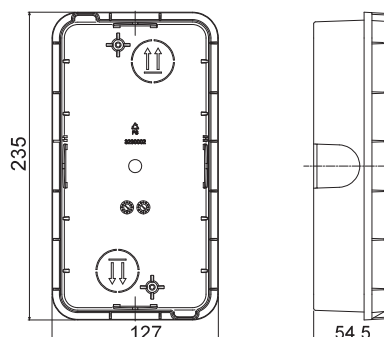
Rainshield
GW 19 103

FLUSH-MOUNTING



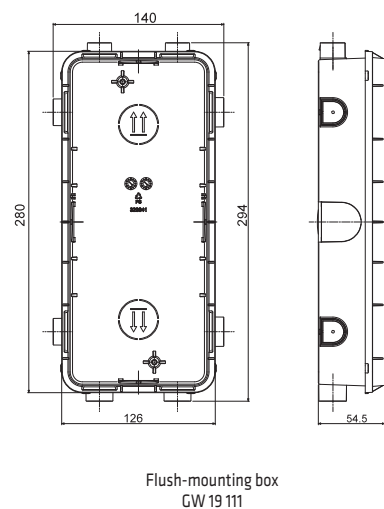
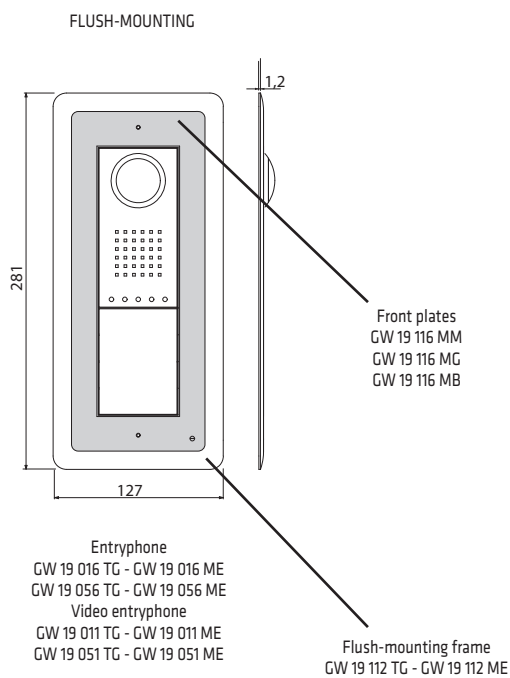
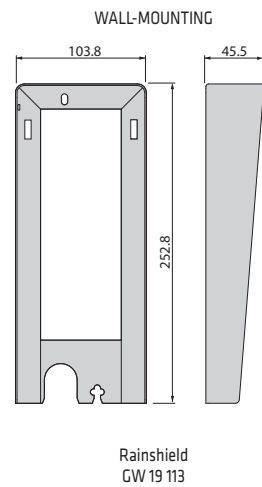
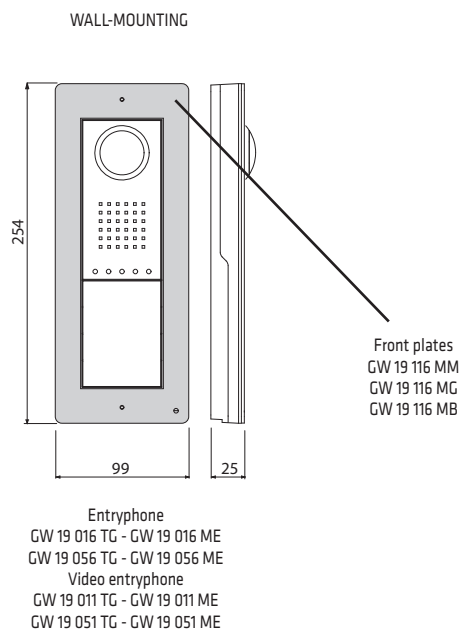
Entryphone
GW 19 006
Video entryphone
GW 19 001

Flush-mounting frame
GW 19 102

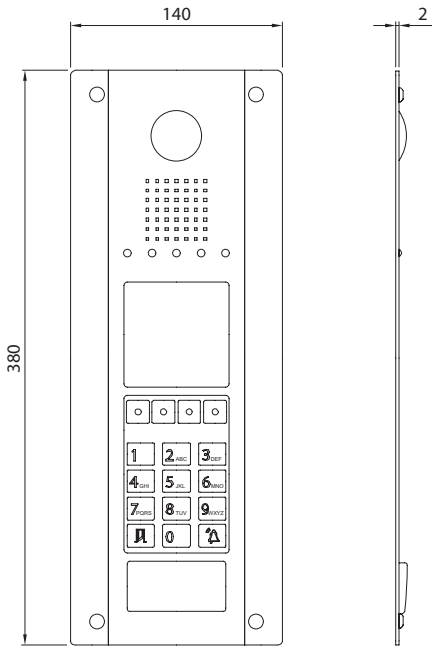


Flush-mounting box
GW 19 101

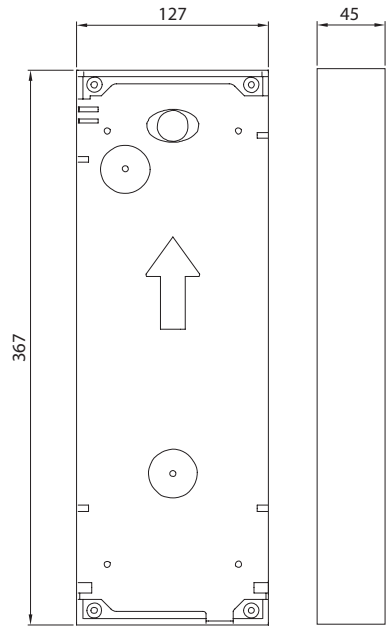
KARALIS - OUTDOOR STATIONS



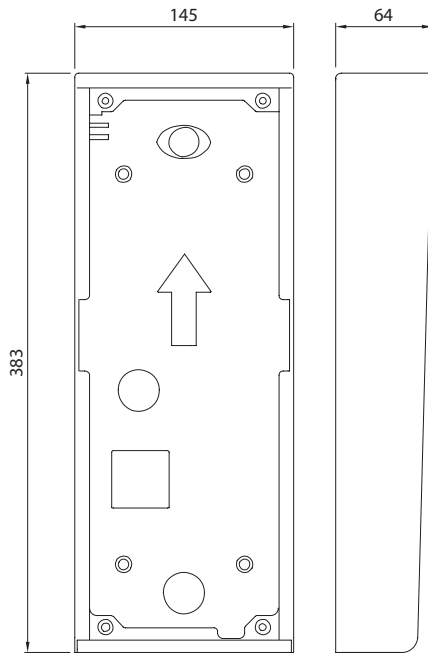
ANTAS - OUTDOOR STATIONS



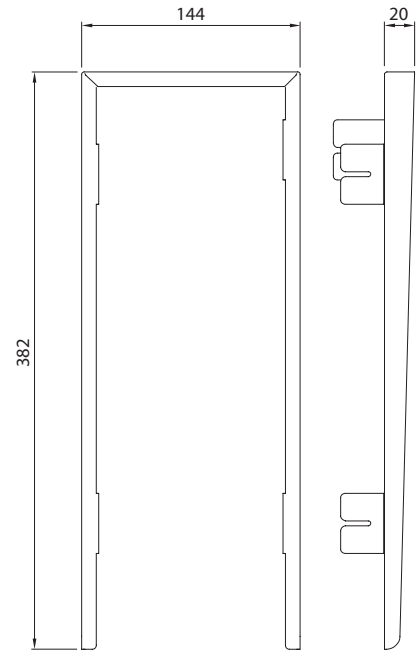
Video entryphone
GW 19 061



Flush-mounting box
GW 19 161



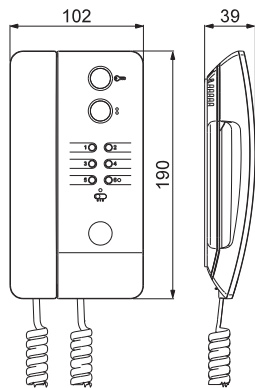
Wall-mounting box
GW 19 162



Rainshield
GW 19 163

NORA - INDOOR MONITORS

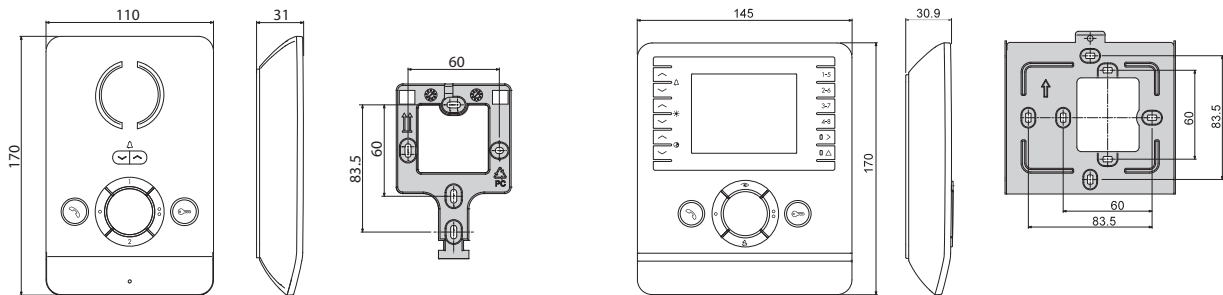
WALL-MOUNTING



Entryphone with handset
GW 19 236

VELIA - INDOOR MONITORS

WALL-MOUNTING

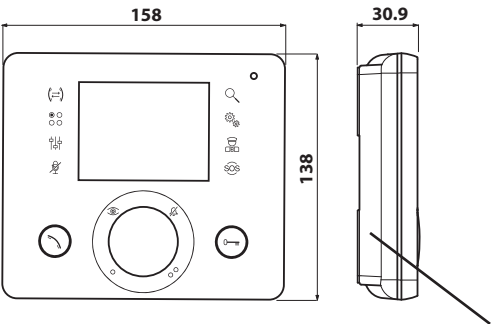


Entryphone with speakerphone
GW 19 216 WH - GW 19 216 BK

Video entryphone with speakerphone
GW 19 211 WH - GW 19 211 BK

SENA - INDOOR MONITORS

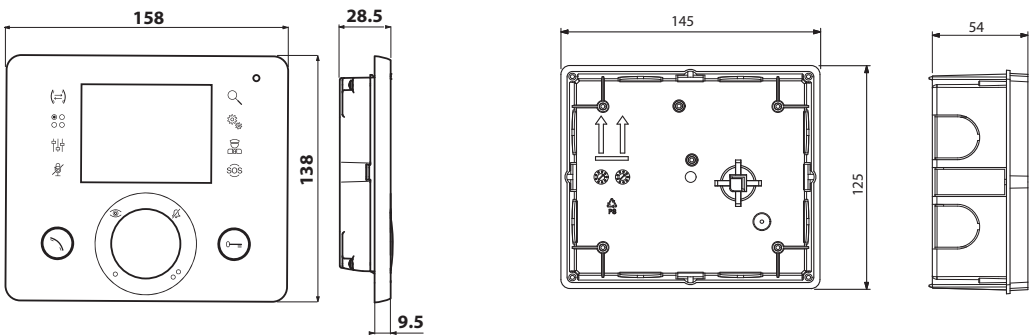
WALL-MOUNTING



Video entryphone with speakerphone
GW 19 221 WH - GW 19 221 BK

Wall-mounting box
GW 19 223 TG - GW 19 223 ME

FLUSH-MOUNTING



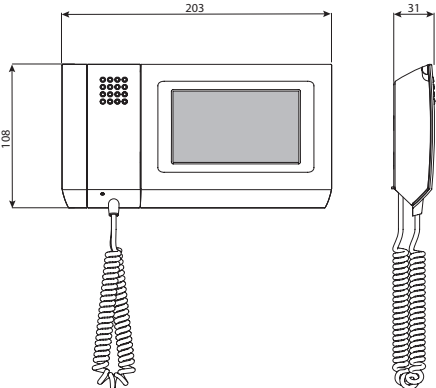
Video entryphone with speakerphone
GW 19 221 WH - GW 19 221 BK

Flush-mounting box
GW 19 224

VIDEO ENTRYPHONES

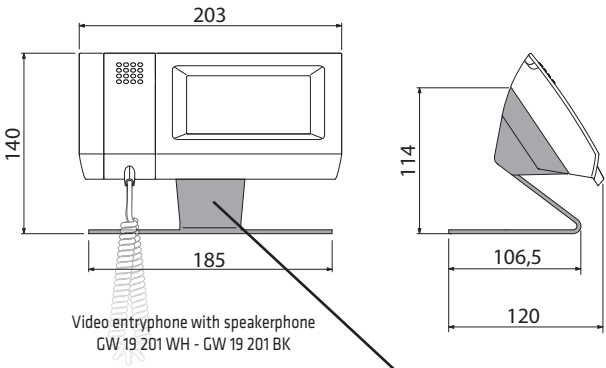
NAXOS - INDOOR MONITORS

WALL-MOUNTING



Video entryphone with speakerphone
GW 19 201 WH - GW 19 201 BK

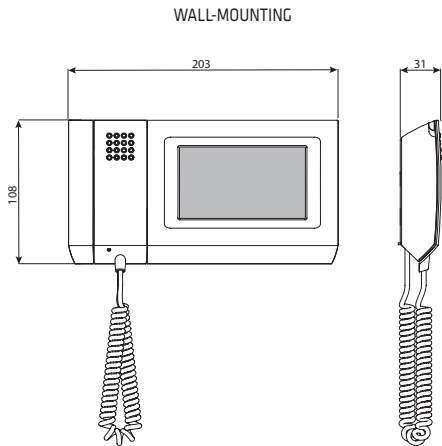
FREE-STANDING



Video entryphone with speakerphone
GW 19 201 WH - GW 19 201 BK

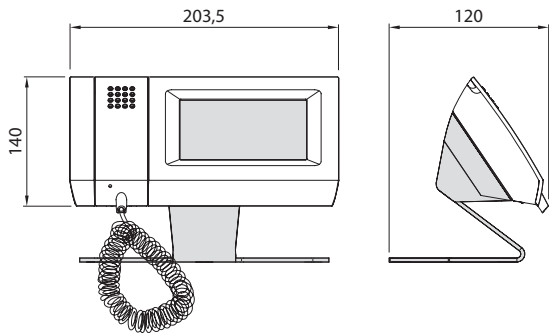
Free-standing kit
GW 19 203 WH - GW 19 203 BK

NAXOS COMBI - INDOOR MONITORS



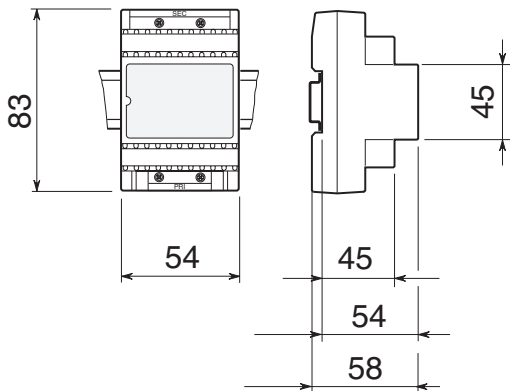
KNX / Video entryphone combined panel
GW 10 962 WH - GW 12 962 BK

NAXOS PORTER'S DESK

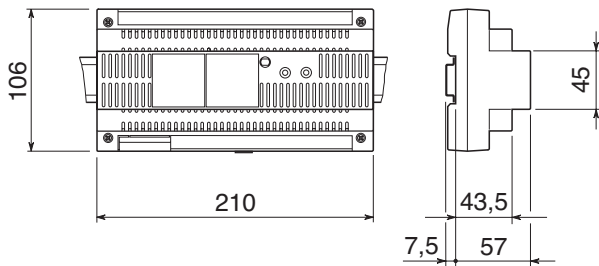


Porter's desk
GW 19 202 WH - GW 19 202 BK

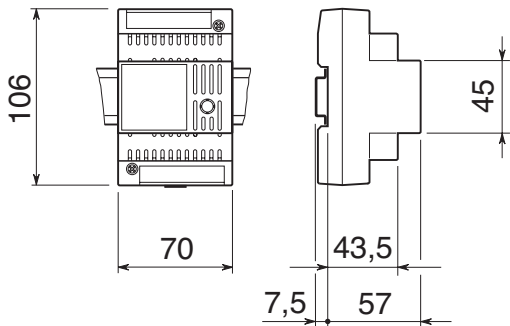
POWER SUPPLIES



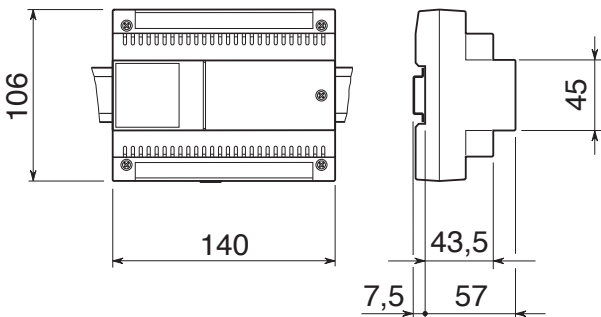
Power supply for Naxos and Naxos Combi
3 DIN modules
GW 19 305



System power supply
12 DIN modules
GW 19 301 - GW 19 351

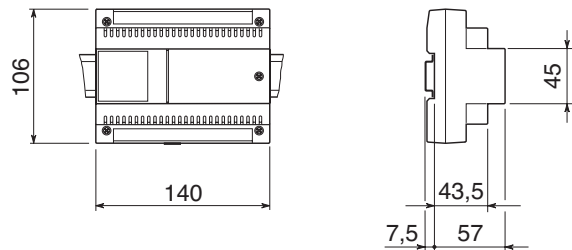


Additional power supply
4 DIN modules
GW 19 302



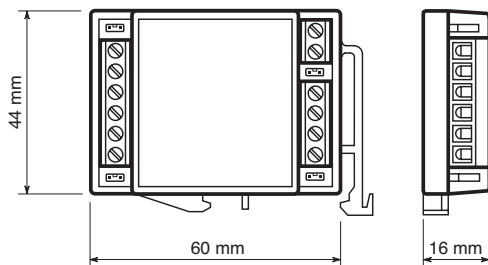
Additional power supply
8 DIN modules
GW 19 303

POWER SUPPLIES / SIGNAL REPEATERS

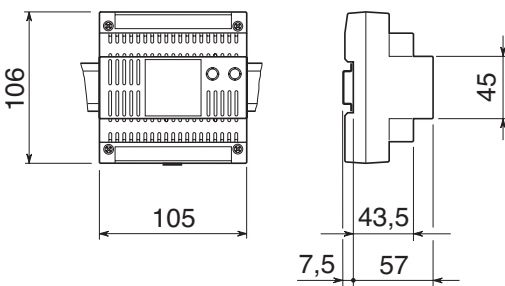


Power supply / repeater
8 DIN modules
GW 19 304

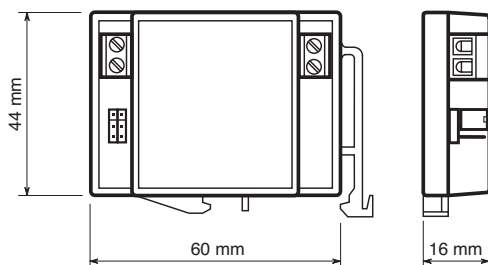
VIDEO DISTRIBUTORS / AMPLIFIERS



Video distributor
1 DIN module
GW 19 306

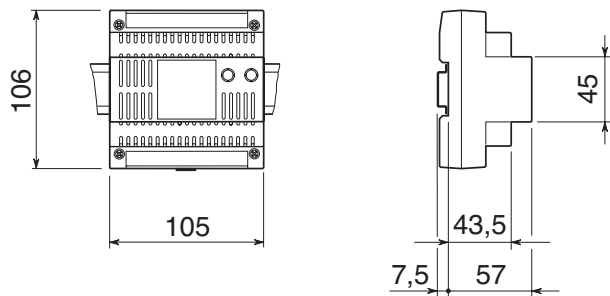


Amplified video distributor
6 DIN modules
GW 19 307



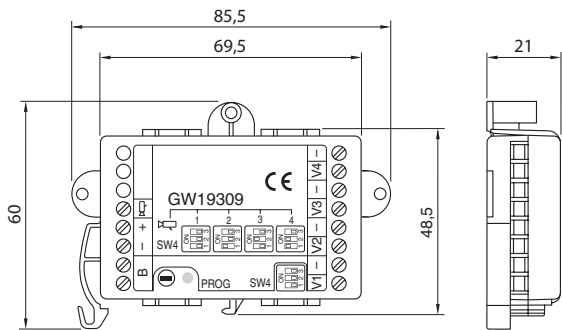
Video amplifier
1 DIN module
GW 19 311

MODULES FOR INTERCOMMUNICATION

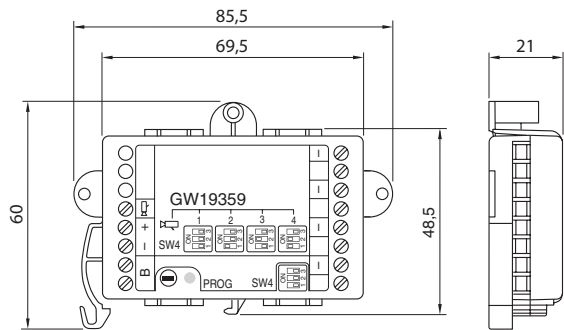


Intercom module
6 DIN modules
GW 19 308

VIDEO SELECTORS

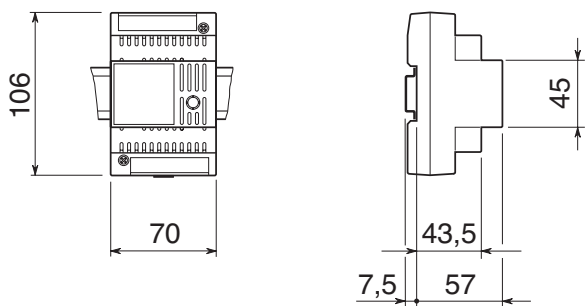


2-wire video selector
1 DIN module
GW 19 309

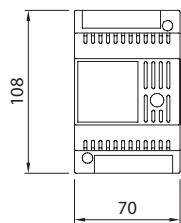


IP ext. video selector
1 DIN module
GW 19 359

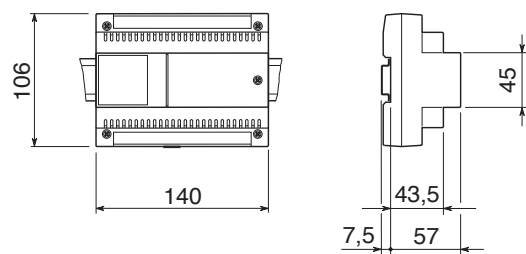
ACTUATORS



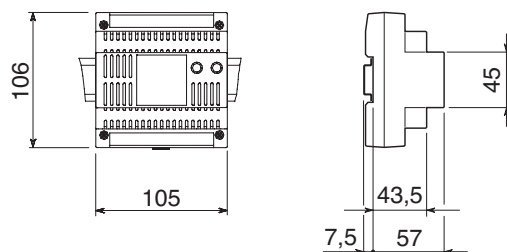
2-wire auxiliary actuator
4 DIN modules
GW 19 310



IP ext. auxiliary actuator
4 DIN modules
GW 19 360

LAN NETWORK INTERFACES


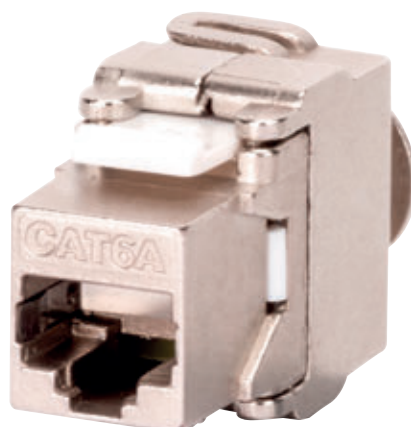
LAN network interface
8 DIN modules
GW 19 356

VoIP SERVER


VoIP server
6 DIN modules
GW 19 357

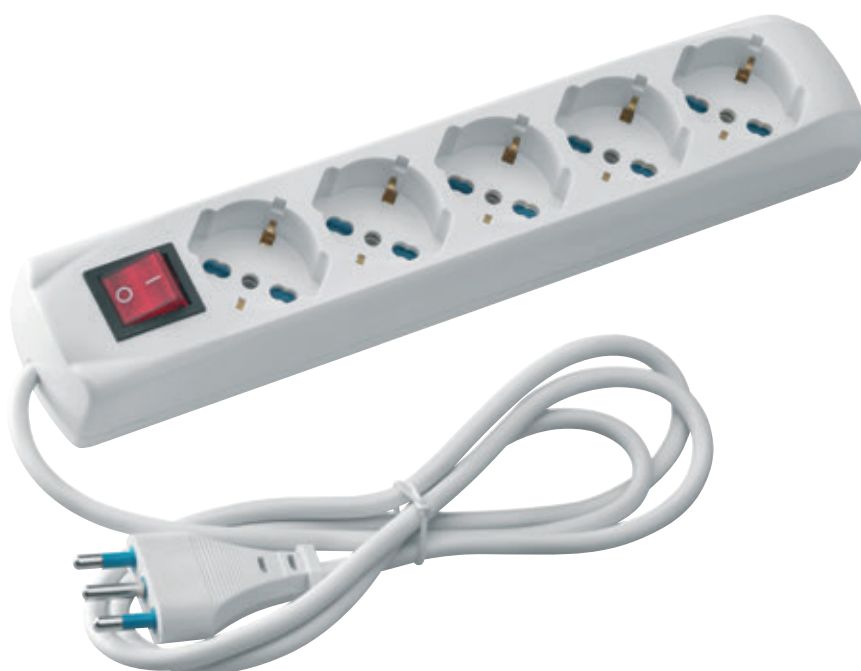
38 LAN

NETWORK CABLING




28 SPIC


PLUGS, SOCKETS AND ADAPTERS FOR DOMESTIC AND SIMILAR USES




PANEL SOCKETS

|  | UTP | | | FTP | | |
|---|--------------|-------------|--------------|--------------|-------------|--------------|
| | Cat. 5e RJ45 | Cat. 6 RJ45 | Cat. 6a RJ45 | Cat. 5e RJ45 | Cat. 6 RJ45 | Cat. 6a RJ45 |
| | GW 38 031 | GW 38 032 | GW 38 033 | GW 38 034 | GW 38 035 | GW 38 036 |



CONNECTION CABLES IN COPPER - 24 AWG

|  | | UTP | | | FTP |
|---|-----|--------------|--------------|-------------|--------------|
| | | Cat. 5 White | Cat. 5e Grey | Cat. 6 Grey | Cat. 5e Grey |
| | 0,5 | | GW 38 116 | | GW 38 121 |
| | 1 | GW 38 107 | GW 38 117 | GW 38 131 | GW 38 122 |
| | 2 | GW 38 108 | GW 38 118 | GW 38 132 | GW 38 123 |
| | 5 | GW 38 109 | GW 38 119 | GW 38 133 | GW 38 124 |



CABLES IN COPPER - 24 AWG








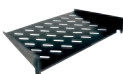








|  | Sheath type and length | UTP | | FTP |
|---|------------------------|-----------|-----------|-----------|
| | | Cat. 5e | Cat. 6 | Cat. 5e |
| | LSZH - 305 m | GW 38 189 | GW 38 201 | GW 38 190 |

COUPLERS

|  | HDMI | GW 38 056 |  | USB | GW 38 057 |
|---|------|-----------|---|-----|-----------|
|---|------|-----------|---|-----|-----------|

ACCESSORIES

|  | | UTP | FTP |
|---|---------------------------|--------------|--------------|
| | | Cat. 5e RJ45 | Cat. 5e RJ45 |
| | For round cables | GW 38 088 | GW 38 089 |
|  | Activators for connectors | GW 38 051 | |

| | | DISTRIBUTION BOARDS AND CABINETS | | | |
|---|--|---|---|---|---|
| | | SOHO 10" wall-mounting distribution boards | 19" wall-mounting distribution boards with curved tempered glass | | 19" floor-mounting cabinets with curved tempered glass door |
| | | | Fixed | Rotating | |
| Capacity | |  |  |  |  |
| | 8U | GW 38 431 | - | - | - |
| | 9U | - | GW 38 401 | - | - |
| | 13U | - | GW 38 402 | GW 38 412 | - |
| | 17U | - | GW 38 403 | GW 38 413 | - |
| | 22U | - | GW 38 404 | - | - |
| | 28U | - | - | - | GW 38 421 |
| | 42U | - | - | - | GW 38 422 |
| Complementary items | | | | | |
|  | Empty panels | | | | |
| | 1U - 8 ports | GW 38 437 | | - | |
| | 1U - 16 ports | - | | GW 38 538 | |
| | 1U - 24 UTP ports | - | | GW 38 537 | |
|  | Pre-assembled panels | | | | |
| | 1U - 24 RJ45 cat. 5e UTP sockets | - | | GW 38 542 | |
| | 1U - 24 RJ45 cat. 5e FTP sockets | - | | GW 38 544 | |
| | 1U - 24 RJ45 cat. 6 UTP sockets | - | | GW 38 545 | |
| | 1U - 24 RJ45 cat. 6 UTP sockets | - | | GW 38 548 | |
| | 1U - 16 RJ45 cat. 6 FTP sockets | - | | GW 38 549 | |
|  | Blank panels | | | | |
| | 1U | GW 38 438 | | GW 38 546 | |
| | 3U | - | | GW 38 547 | |
|  | Rack shelves | | | | |
| | 1U | GW 38 439 | | - | |
| | 2U - Depth 250 mm | - | | GW 38 516 | |
|  | Wire management panel | | | | |
| | 1U | GW 38 440 | | GW 38 521 | |
|  | Wire management ring | | | | |
| | Fastening on upright | - | GW 38 526 | | - |
|  | Panels with supply socket-outlets and protections | | | | |
| | 2U - 2 Italian/German standard socket-outlets - 230 V ac | GW 38 441 | | - | |
| | 2U - 5 Italian/German standard socket-outlets - 230 V ac | - | | GW 38 531 | |
| | One-way switch bipolar 16 A | - | | | |
| | 2U - 5 Italian/German standard socket-outlets - 230 V ac | - | | GW 38 532 | |
| | Miniature circuit breakers 16 A 250 V ac 3 kA | - | | | |
| Main accessories | | | | | |
|  | Spare doors | | | | |
| | 9U | - | GW 38 581 | - | |
| | 13U | - | GW 47 111 | - | |
| | 17U | - | GW 47 112 | - | |
| | 22U | - | GW 47 113 | - | |
| | 28U | - | - | GW 38 582 | |
|  | 42U | - | - | GW 38 583 | |
| | Skirting | - | - | GW 38 506 | |
|  | Pair of uprights | | | | |
| | 28U | - | - | GW 38 564 | |
| | 42U | - | - | GW 38 565 | |
|  | Fan for forced suction | - | - | GW 38 563 | |
| | Ventilation set | - | - | GW 38 562 | |
|  | Safety locks | - | GW 47 192 | - | |

38 LAN

Network cabling

A system complete with components and accessories for LAN network cabling set-ups. The range includes surface-mounting boards and floor-mounting enclosures measuring 10” and 19”, with modern and innovative design, characterised by extremely easy wiring thanks to large internal volumes and lateral space. These solutions reduce installation time and allow for quick configuration at any moment, on the basis of new usage requirements.



Technical characteristics page 600

UTP SYSTEM

DATA SOCKETS FOR PANEL



GW 38 033

UNSHIELDED RJ45 UTP SOCKETS T568A/B

| Code | Description | Use category | Cables type | Pack Carton |
|-----------|-------------|--------------|-------------|-------------|
| GW 38 031 | RJ45 | 5e | UTP | 10/50 |
| GW 38 032 | RJ45 | 6 | UTP | 10/50 |
| GW 38 033 | RJ45 | 6a | UTP | 10/50 |

CHARACTERISTICS: terminals with toolless perforated insulation.
NOTES: for patch-panels and adapters (Chorus, System and Dahlia ranges) with Keystone jack coupling.

PATCH CORDS



GW 38 107

PATCH-CORDS FOR TELEPHONIC USE RJ45 - RJ45 UTP NOT SHIELDED

| Code | Description | Use category | Cables type | Cable length | Colour | Pack Carton |
|-----------|-------------|--------------|-------------|--------------|--------|-------------|
| GW 38 107 | RJ45 - RJ45 | 5 | UTP 24 AWG | 1 m | White | 1/24 |
| GW 38 108 | RJ45 - RJ45 | 5 | UTP 24 AWG | 2 m | White | 1/24 |
| GW 38 109 | RJ45 - RJ45 | 5 | UTP 24 AWG | 5 m | White | 1/24 |

PRODUCTION CHARACTERISTICS: 24 AWG copper conductor. Flameproof polyethylene insulation. Plug contacts in phosphorous bronze.
PERFORMANCE CHARACTERISTICS: the use in ISDN/ADSL-type plants is recommended.



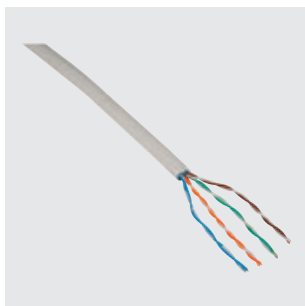
GW 38 116

RJ45 - RJ45 UTP UNSHIELDED PATCHCORDS

| Code | Description | Use category | Cables type | Cable length | Colour | Pack Carton |
|-----------|-------------|--------------|-------------|--------------|--------|-------------|
| GW 38 116 | RJ45 - RJ45 | 5e | UTP 24 AWG | 0.5 m | Grey | 1/24 |
| GW 38 117 | RJ45 - RJ45 | 5e | UTP 24 AWG | 1 m | Grey | 1/24 |
| GW 38 118 | RJ45 - RJ45 | 5e | UTP 24 AWG | 2 m | Grey | 1/24 |
| GW 38 119 | RJ45 - RJ45 | 5e | UTP 24 AWG | 5 m | Grey | 1/24 |
| GW 38 131 | RJ45 - RJ45 | 6 | UTP 24 AWG | 1 m | Grey | 1/24 |
| GW 38 132 | RJ45 - RJ45 | 6 | UTP 24 AWG | 2 m | Grey | 1/24 |
| GW 38 133 | RJ45 - RJ45 | 6 | UTP 24 AWG | 5 m | Grey | 1/24 |

PRODUCTION CHARACTERISTICS: 24 AWG copper conductor. Flameproof polyethylene insulation. Plug contacts in phosphorous bronze.
PERFORMANCE CHARACTERISTICS: performance is higher than what is envisaged for cat. 5e.
Compliant with the prescriptions required for applications such as 100BASE-Tx, 155Mbps ATM and Gigabit Ethernet.
ELECTRICAL CHARACTERISTICS AT 20°C: Impedance 100 Ohm +/- 15% 1-100 MHz; Capacity: 13.5 pF/ft at 1 MHz.

CABLES



GW 38 189

CABLES IN COPPER 4 PAIRS TWISTED UNSHIELDED - UTP

| Code | Description | Use category | Cables type | Cable length | Pack Carton |
|-----------|-------------------|--------------|-------------|--------------|-------------|
| GW 38 189 | LSZH Cable sheath | 5e | UTP 24 AWG | 305 m | 305 |
| GW 38 201 | LSZH Cable sheath | 6 | UTP 24 AWG | 305 m | 305 |

PRODUCTION CHARACTERISTICS: 24 AWG solid copper conductor, nominal diameter 0.52 mm.

Solid polyethylene insulation, nominal diameter 0.93 mm. PVC/LSZH sheath, external diameter 5.3 mm.

ELECTRICAL CHARACTERISTICS AT 20°C: GW38189, GW38201 working voltage: max 125V dc. DC resistance: max 170 Ohm/Km;

Unbalanced DC resistance: max 1%; Insulation resistance: min. 5G Ohm x Km. Unbalanced capacity: max 1600 pF/Km; Propagation speed (at 100MHz): nominal 0.66 c.

FTP SYSTEM

DATA SOCKETS FOR PANEL



GW 38 036

SHIELDED RJ45 FTP SOCKETS T568A/B

| Code | Description | Use category | Cables type | Pack Carton |
|-----------|-------------|--------------|-------------|-------------|
| GW 38 034 | RJ45 | 5e | FTP | 10/50 |
| GW 38 035 | RJ45 | 6 | FTP | 10/50 |
| GW 38 036 | RJ45 | 6a | FTP | 10/50 |

CHARACTERISTICS: terminals with toolless perforated insulation.

NOTES: for patch-panels and adapters (Chorus, System and Dahlia ranges) with Keystone Jack coupling.

PATCH CORDS



GW 38 121

RJ45 - RJ45 UTP SHIELDED PATCHCORDS

| Code | Description | Use category | Cables type | Cable length | Colour | Pack Carton |
|-----------|-------------|--------------|-------------|--------------|--------|-------------|
| GW 38 121 | RJ45 - RJ45 | 5e | FTP 24 AWG | 0.5 m | Grey | 1/24 |
| GW 38 122 | RJ45 - RJ45 | 5e | FTP 24 AWG | 1 m | Grey | 1/24 |
| GW 38 123 | RJ45 - RJ45 | 5e | FTP 24 AWG | 2 m | Grey | 1/24 |
| GW 38 124 | RJ45 - RJ45 | 5e | FTP 24 AWG | 5 m | Grey | 1/24 |

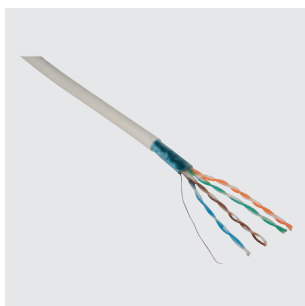
CONSTRUCTION CHARACTERISTICS: 24 AWG copper conductor. Flameproof polyethylene insulation. Plug contacts in phosphorous bronze.

PERFORMANCE CHARACTERISTICS: performance is higher than what is envisaged for cat. 5e.

Compliant with the prescriptions required for applications such as 100BASE-Tx, 155Mbps ATM and Gigabit Ethernet.

ELECTRICAL CHARACTERISTICS AT 20°C: Impedance 100 Ohm +/- 15% 1-100 MHz. Capacity: 13.5 pF/ft at 1 MHz.

CABLES



GW 38 190

CABLES IN COPPER 4 PAIRS TWISTED SHIELDED - FTP

| Code | Description | Use category | Cables type | Cable length | Pack Carton |
|-----------|-------------------|--------------|-------------|--------------|-------------|
| GW 38 190 | LSZH Cable sheath | 5e | FTP 24 AWG | 305 m | 305 |

PRODUCTION CHARACTERISTICS: 24 AWG solid copper conductor, nominal diameter 0.52 mm. Solid polyethylene insulation.

Aluminium shield and spiral-wound polyethylene insulating sheet, continuity conductor. PVC/LSZH sheath, external diameter 6 mm.

ELECTRICAL CHARACTERISTICS AT 20°C: Working voltage: max. 125V dc. DC resistance: max 170 Ohm/Km;

Unbalanced DC resistance: max 1%; Insulation resistance: min. 5G Ohm x Km. Unbalanced capacity: max 1600 pF/Km; Propagation speed (at 100MHz): nominal 0.66 c.

COMPLEMENTARY ITEMS FOR INSTALLATION

USB AND HDMI COUPLERS



GW 38 056

USB AND HDMI COUPLERS

| Code | Description | Type | Compatibility | Pack Carton |
|-----------|--------------|------------------------|---------------|----------------|
| GW 38 056 | HDMI coupler | Female/Female | Keystone Jack | 1/48 |
| GW 38 057 | USB coupler | Female/Female - A type | Keystone Jack | 1/48 |

NOTE: for adapters (Chorus, System, Dahlia) with Keystone Jack coupling and for patch-panels.

ACCESSORIES



GW 38 088

PANEL PRODUCTS AND CONNECTIONS ACCESSORIES

| Code | Description | Suitable for | Pack Carton |
|-----------|-------------------|-----------------|----------------|
| GW 38 088 | Plugs RJ45 5e UTP | Round cable | 20/100 |
| GW 38 089 | Plugs RJ45 5e FTP | Round cable | 20/100 |



GW 38 051

MOUNTING TOOLS

| Code | Description | Suitable for | Pack Carton |
|-----------|-------------|---------------------------|----------------|
| GW 38 051 | Insert wire | 110 Connect (Impact tool) | 1 |

BOARDS AND CABINETS

SOHO 10" WALL-MOUNTING DISTRIBUTION BOARDS



GW 38 431

METAL WALL-MOUNTING SOHO DISTRIBUTION BOARDS WITH TRANSPARENT DOOR IN TEMPERED GLASS

| Code | Outer dim. LxHxD (mm) | Cabling unity | Pack Carton |
|-----------|--------------------------|------------------|----------------|
| GW 38 431 | 350x400x265 | 8U | 1 |

CHARACTERISTICS: lower and upper cable input. Equipment 10" (IEC 297-1) in galvanised sheet metal.

ACCESSORIES SUPPLIED: 2 uprights bored at 10", complete with fixing accessories. 4 cable gland plates in insulating material Blue RAL 5003, complete with fixing screws.



GW 38 437

CONFIGURATION ACCESSORIES

| Code | Description | Suitable for | Cabling unity | Pack Carton |
|-----------|--------------------------------|-----------------|------------------|----------------|
| GW 38 437 | Panel - empty 10" | 8 connectors | 1U | 1/5 |
| GW 38 438 | Panel - 10" blank | | 1U | 1/5 |
| GW 38 439 | Soho 10" shelf | Mini-hub | 1U | 1/2 |
| GW 38 440 | Panel - Cable 10" | | 1U | 1/2 |
| GW 38 441 | Panel socket out. of power 10" | | 2U | 1/2 |

ACCESSORIES SUPPLIED: GW38441 2 Italian/German standard current socket-outlets, 16A dual amperage - with one-way switch.

19" WALL-MOUNTING DISTRIBUTION BOARDS



GW 38 401

METAL WALL-MOUNTING DISTRIBUTION BOARDS COMPLETE WITH PERFORATED DEPTH ADJUSTABLE UPRIGHTS FIXED STRUCTURE - CURVED GLASS DOOR

| Code | Outer dim. LxHxD (mm) | Cabling unity | Pack Carton |
|-----------|--------------------------|------------------|----------------|
| GW 38 401 | 700x550x480 | 9U | 1 |
| GW 38 402 | 700x700x480 | 13U | 1 |
| GW 38 403 | 700x900x480 | 17U | 1 |
| GW 38 404 | 700x1100x480 | 22U | 1 |

CHARACTERISTICS: lower and upper cable input. can be fully inspected.

ACCESSORIES SUPPLIED: 2 uprights bored as standard 19" already positioned. 2 cable gland plates in insulating material Blue RAL 5003, complete with fixing screws. 2 double-fin keys.



GW 38 412

METAL WALL-MOUNTING DISTRIBUTION BOARDS COMPLETE WITH PERFORATED DEPTH ADJUSTABLE UPRIGHTS DOUBLE SIDED ROTATING STRUCTURE CURVED GLASS DOOR

| Code | Outer dim. LxHxD (mm) | Cabling unity | Pack Carton |
|-----------|--------------------------|------------------|----------------|
| GW 38 412 | 700x700x560 | 13U | 1 |
| GW 38 413 | 700x900x560 | 17U | 1 |

CHARACTERISTICS: lower and upper cable input. can be fully inspected.

ACCESSORIES SUPPLIED: 2 uprights bored as standard 19" already positioned. 2 cable gland plates in insulating material Blue RAL 5003, complete with fixing screws. 2 double-fin keys.



GW 38 581

**DOORS IN CURVED, SMOKED SAFETY TEMPERED GLASS, FOR 38 LAN BOARDS
EQUIPPED WITH 2 LOCKS - GREY RAL 7035**

| Code | For LAN boards | Pack Carton |
|-----------|----------------|----------------|
| GW 38 581 | GW38401 | 1 |
| GW 47 111 | GW38402 | 1 |
| GW 47 112 | GW38403 | 1 |
| GW 47 113 | GW38404 | 1 |

ACCESSORIES SUPPLIED: 2 mounting pins. 2 double-fin keys.

19" FLOOR-MOUNTING CABINETS

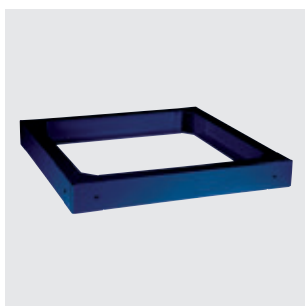


GW 38 421

CABINETS COMPLETE WITH LATERAL PANELS, SOLID REAR DOOR AND PAIR OF DEPTH ADJUSTABLE UPRIGHTS CURVED GLASS DOOR

| Code | Outer dim. LxHxD (mm) | Cabling unity | Pack Carton |
|-----------|--------------------------|------------------|----------------|
| GW 38 421 | 600x1500x630 | 28U | 1 |
| GW 38 422 | 600x2100x630 | 42U | 1 |

ACCESSORIES SUPPLIED: 2 side panels with quick coupling and solid rear door. Adjustable levelling feet for free-standing installation. 3 double-tab keys. Plinth not supplied, but available as an accessory.



GW 38 506

PLINTH FOR FLOOR-MOUNTING CABINETS H=100 MM IN PAINTED METAL COLOUR BLUE RAL 5003

| Code | For structure LxDxH (mm) | Pack Carton |
|-----------|-----------------------------|----------------|
| GW 38 506 | 600x630x100 | 1 |

CHARACTERISTICS: accessibility on 4 sides.

ACCESSORIES SUPPLIED: fixing accessories.



GW 38 582

DOORS IN CURVED, SMOKED SAFETY TEMPERED GLASS, FOR 38 LAN BOARDS EQUIPPED WITH 1 LOCK GREY RAL 7035

| Code | For panels | Pack Carton |
|-----------|---------------|----------------|
| GW 38 582 | GW38421 | 1 |
| GW 38 583 | GW38422 | 1 |

ACCESSORIES SUPPLIED: 3 mounting pins. 3 double-fin keys.



GW 38 561

ACCESSORIES FOR FLOOR-MOUNTING CABINETS

| Code | Description | Characteristics | Pack Carton |
|-----------|-----------------------------|--|----------------|
| GW 38 512 | Kit of 4 adjustable wheels | No.2 free wheels N.2 wheels with adjust. brake | 1 |
| GW 38 561 | N. 2 eyebolts M10 | M10 | 1 |
| GW 38 564 | Uprights | For cabinet 28U | 1 |
| GW 38 565 | Uprights | For cabinet 42U | 1 |
| GW 38 562 | Ventilation set | With 2 fans | 1 |
| GW 38 563 | Single fan | 18 W 230V ac 150 m³/h | 1 |
| GW 38 566 | Electromechanics thermostat | 0-60°C contact NO 5A in AC1 | 1 |

ACCESSORIES SUPPLIED: GW38562 - 2 fans - suitable for the installation of a further 2 fans - code GW58563.

1 backlit switch for exclusion of the ventilation. Fitted for direct connection of GW38566 thermostat.

COMPLEMENTARY ITEMS FOR 19" BOARDS AND CABINETS



GW 38 537

UNWIRED PANEL IN PAINTED METAL - BLACK - 19"

| Code | Description | Suitable for | Cabling unity | Pack Carton |
|-----------|------------------|------------------------|---------------|-------------|
| GW 38 537 | Panel - 24 ports | UTP socket-outlets | 1U | 1 |
| GW 38 538 | Panel - 16 ports | FTP/UTP socket-outlets | 1U | 1 |

CHARACTERISTICS: GW38538: pre-arrangement for the earth connection of the panel.
ACCESSORIES SUPPLIED: 4 washers, screws and nuts in cage for assembly.
NOTES: GW38537 can be completed with GW38031, GW38032, GW38033. GW38538 can be completed with GW38031, GW38032, GW38033, GW38034, GW38035, GW38036.



GW 38 542

PRE-ASSEMBLED RJ45 PANELS IN PAINTED METAL COLOUR BLACK - 19"

| Code | Panel composition | Use category | Type | Cabling unity | Pack Carton |
|-----------|------------------------|--------------|------|---------------|-------------|
| GW 38 542 | 24 RJ45 socket-outlets | 5e | UTP | 1U | 1 |
| GW 38 544 | 24 RJ45 socket-outlets | 5e | FTP | 1U | 1 |
| GW 38 545 | 24 RJ45 socket-outlets | 6 | UTP | 1U | 1 |
| GW 38 548 | 24 RJ45 socket-outlets | 6 | UTP | 1U | 1 |
| GW 38 549 | 16 RJ45 socket-outlets | 6 | FTP | 1U | 1 |

CHARACTERISTICS: GW38542, GW38544, GW38545 blocks of pre-assembled socket-outlets type 110. GW38548, GW38549 single socket-outlets for connection. Prearrangement for the earthing of the panel.
ACCESSORIES SUPPLIED: 4 washers, screws and nuts in cage for assembly. Cable fastener element on back panel. Identification caps on front and rear.



GW 38 572

PRE-ASSEMBLED RJ45 PANEL IN BLACK-PAINTED METAL - 19" - FOR TELEPHONE

| Code | Panel composition | Use category | Cabling unity | Pack Carton |
|-----------|------------------------|--------------|---------------|-------------|
| GW 38 572 | 50 RJ45 socket-outlets | 3 | 1U | 1/6 |

CHARACTERISTICS: Blocks of pre-assembled socket-outlets type 110, prearrangement for the earthing of the panel.
ACCESSORIES SUPPLIED: 4 washers, screws and nuts in cage for assembly. Cable fastener element on back panel. Identification caps on front and rear.



GW 38 546

PRE-ASSEMBLED BLANK PANELS IN PAINTED METAL COLOUR BLACK - 19"

| Code | Description | Cabling unity | Pack Carton |
|-----------|---------------|---------------|-------------|
| GW 38 546 | Panel - blank | 1U | 1/10 |
| GW 38 547 | Panel - blank | 3U | 1/10 |

CHARACTERISTICS: prearrangement for the earthing of the panel.
ACCESSORIES SUPPLIED: 4 washers, screws and nuts in cage for assembly.



GW 38 516

RACK SHELF IN PAINTED METAL - COLOUR BLACK - 19"

| Code | Depth (mm) | Cabling unity | Pack Carton |
|-----------|------------|---------------|-------------|
| GW 38 516 | 250 | 2U | 1/2 |
| GW 38 517 | 350 | 2U | 1/2 |

CHARACTERISTICS: load capacity of 20kg.

APPLICATIONS: installation of devices at non-19" standard.

ACCESSORIES SUPPLIED: 4 washers, screws and nuts in cage for assembly.



GW 38 521

WIRE MANAGEMENT PANEL IN PAINTED METAL - COLOUR BLACK 19"

| Code | Description | N. rings | Cabling unity | Pack Carton |
|-----------|-----------------------|----------|---------------|-------------|
| GW 38 521 | Wire management panel | 5 | 1U | 1/4 |

CHARACTERISTICS: rationalisation of the passage of cables and cords in the front part of the board.

APPLICATIONS: prearrangement for the earthing of the panel.

ACCESSORIES SUPPLIED: 4 washers, screws and nuts in cage for assembly.



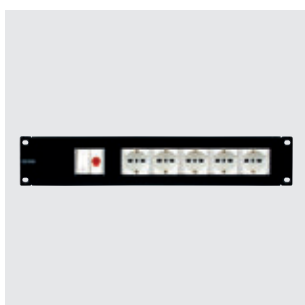
GW 38 526

WIRE MANAGEMENT RING IN BLACK-PAINTED METAL

| Code | Description | Pack Carton |
|-----------|----------------------|-------------|
| GW 38 526 | Wire management ring | 1/10 |

CHARACTERISTICS: vertical fixing for cables and cords in the front part of the board.

ACCESSORIES SUPPLIED: fixing accessories.



GW 38 531

ITALIAN/GERMAN STANDARD CURRENT SOCKET-OUTLETS, 16A DUAL AMPERAGE - WITH ONE-WAY SWITCH - 19"

| Code | No. socket outlets | Mains switch | Cabling unity | Pack Carton |
|-----------|--------------------|--|---------------|-------------|
| GW 38 531 | 5 | 2P 16A 250V with indic. lamp | 2U | 1 |
| GW 38 532 | 5 | Miniature 1P+N 16A 250V 3kA with indic. lamp | 2U | 1 |

CHARACTERISTICS: assembly on the front of the board. Wired panel with terminal for mains connection.

APPLICATIONS: connection of devices to the electricity mains.

ACCESSORIES SUPPLIED: 4 washers, screws and nuts in cage for assembly.

SERVICE COMPLEMENTARY ITEMS



GW 47 193

COPPER BAR WITH THREADED HOLES FOR EQUIPOTENTIAL BONDING

| Code | Dimensions (mm) | N./diam. of threaded holes | Step drilling (mm) | Pack Carton |
|-----------|-----------------|----------------------------|--------------------|-------------|
| GW 47 193 | 575x20x5 | 24xM6 | 18 | 1/5 |

APPLICATIONS: connection of earth conductor.

ACCESSORIES SUPPLIED: fixing accessories. 24 screws for connection.



GW 47 192

SECURITY LOCK

| Code | Description | Pack Carton |
|-----------|-------------|-------------|
| GW 47 192 | Lock insert | 1/10 |

CHARACTERISTICS: interchangeable on all standard locks.

ACCESSORIES SUPPLIED: 2 keys with standardised code.



GW 46 447

DOCUMENT HOLDER POCKET IN SELF-ADHESIVE INSULATING MATERIAL WITH KIT OF BLANK LABELS

| Code | Dimensions (mm) | Pack Carton |
|-----------|-----------------|-------------|
| GW 46 447 | 310x230 | 1/10 |

CHARACTERISTICS: the document wallet can be inserted in all Gewiss distribution boards starting with the 405x500x200 mm dimension.



GW 38 556

SMALL METAL PARTS FOR THE MOUNTING OF ACCESSORIES

| Code | Description | Pack Carton |
|-----------|-----------------|-------------|
| GW 38 556 | Small parts kit | 1/20 |

COMPOSITION: 10 nuts in cage, washers and screws.



GW 46 448

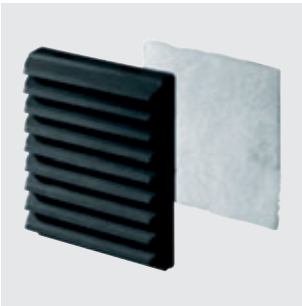
VENTILATION KIT

| Code | IP degree | Rated voltage | Fixing hole (mm) | Screws centre distance (mm) | Pack Carton |
|-----------|-----------|--------------------|------------------|-----------------------------|-------------|
| GW 46 448 | IP44 | 230 V - 50 / 60 Hz | 125x117 | 123x115 | 1/2 |

CHARACTERISTICS: the fan takes in air from the outside and introduces it into the distribution board, creating a slight overpressure that prevents foreign particles from entering. Max fan capacity 60 m³/h. Absorbed power equal to 20 W.

APPLICATIONS: forced ventilation in critical thermal conditions.

ACCESSORIES SUPPLIED: drilling template.



GW 46 471

AERATION KIT

| Code | IP degree | Fixing hole (mm) | Screws centre distance (mm) | Pack Carton |
|-----------|-----------|------------------|-----------------------------|-------------|
| GW 46 471 | IP44 | 125x117 | 123x115 | 1/10 |

ACCESSORIES SUPPLIED: drilling template.

38 LAN



SIMPLIFY EVERY COMPLEXITY



38 LAN is a complete, integrated range of products for LAN network cabling. A solution that reduces installation times and allows quick configuration in any moment to meet changing usage requirements.

50-HO 10" BOARDS



Extremely easy to install, thanks to its limited dimensions, and particularly suitable for Small Office or Home Office installations. Special accessories are available, to create the best configuration for every need.

19" BOARDS AND CABINETS



The wall-mounting boards, with their modern and innovative design, come in two versions. fixed and rotating, with a reversible door in smoky grey curved glass. The free-standing cabinets are available with different degrees of modularity, have openable side panels and a solid rear door to facilitate inspections and wiring.

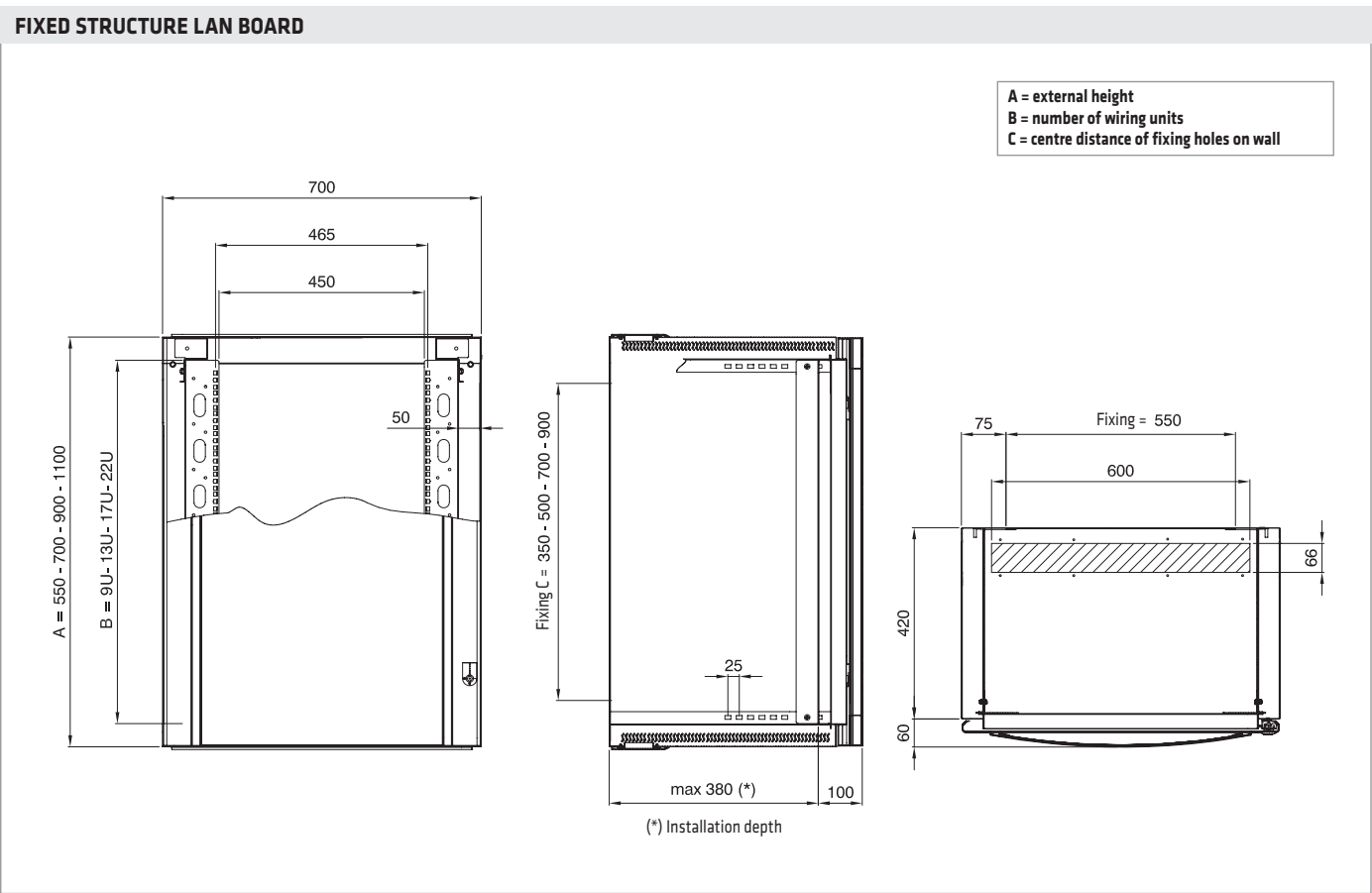
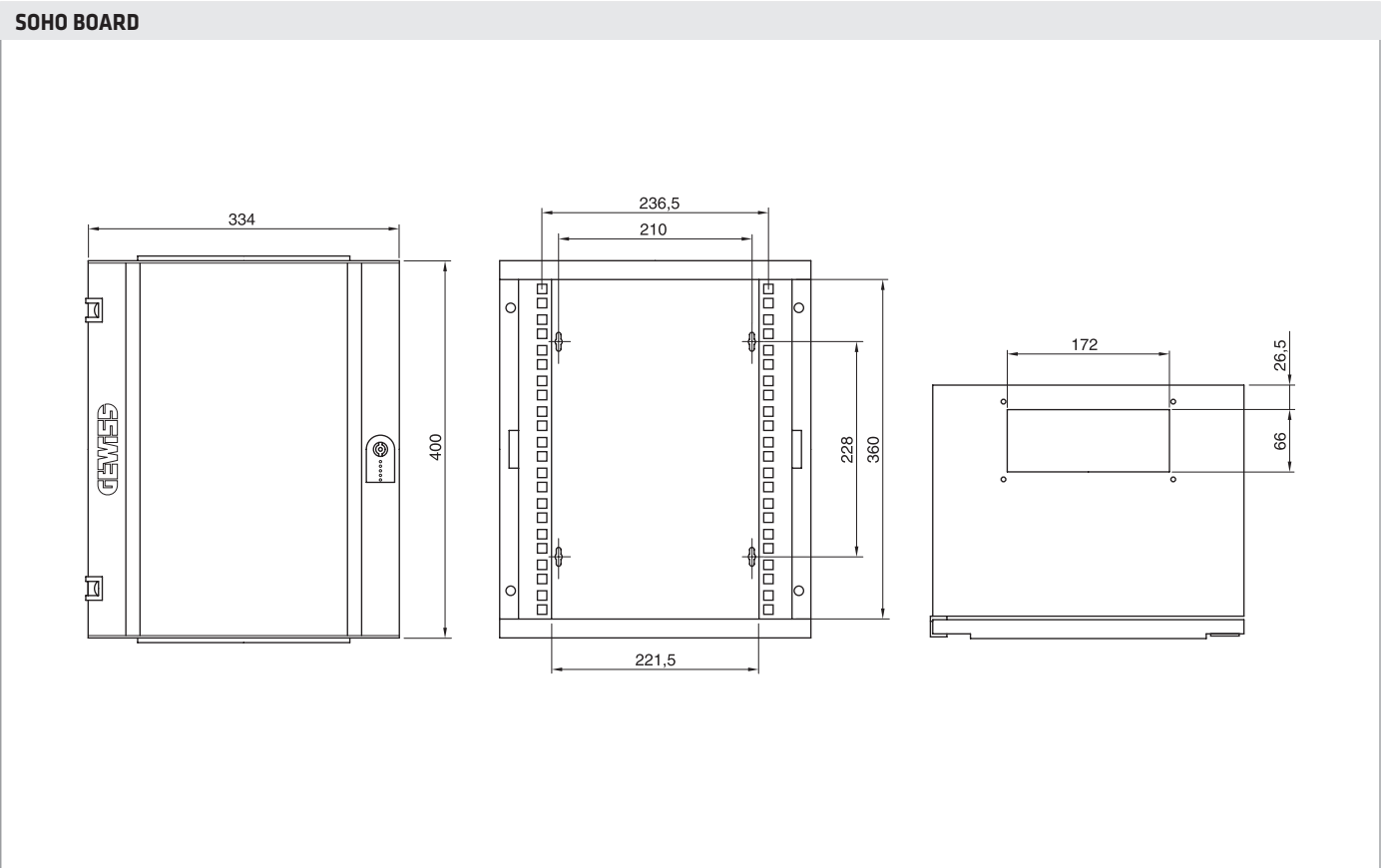
Technical data

| Components | Material | Compliance with standards | Degree of protection | Operating climate | Operating temperature | Storage temperature | Maximum capacity |
|--|---|---------------------------------|----------------------|---|-----------------------|---------------------|--|
| Boards and enclosures for structured wiring - 38 CVX LAN range | - container: sheet steel, 10/10mm thick | IEC 60297-2; EN 60950 DIN 41488 | IP30 | constant: 23°C/83% 40°C/93% variable: 23°C/98% 40°C/98% | -5°C + 40°C | -25° +55°C | 200kg uniformly distributed for the surface-mounting boards. 400kg uniformly distributed for the floor-mounting boards |
| | - door: sheet steel, 12/10mm thick | | | | | | |
| | - functional panels: sheet steel, 12/10mm thick | | | | | | |

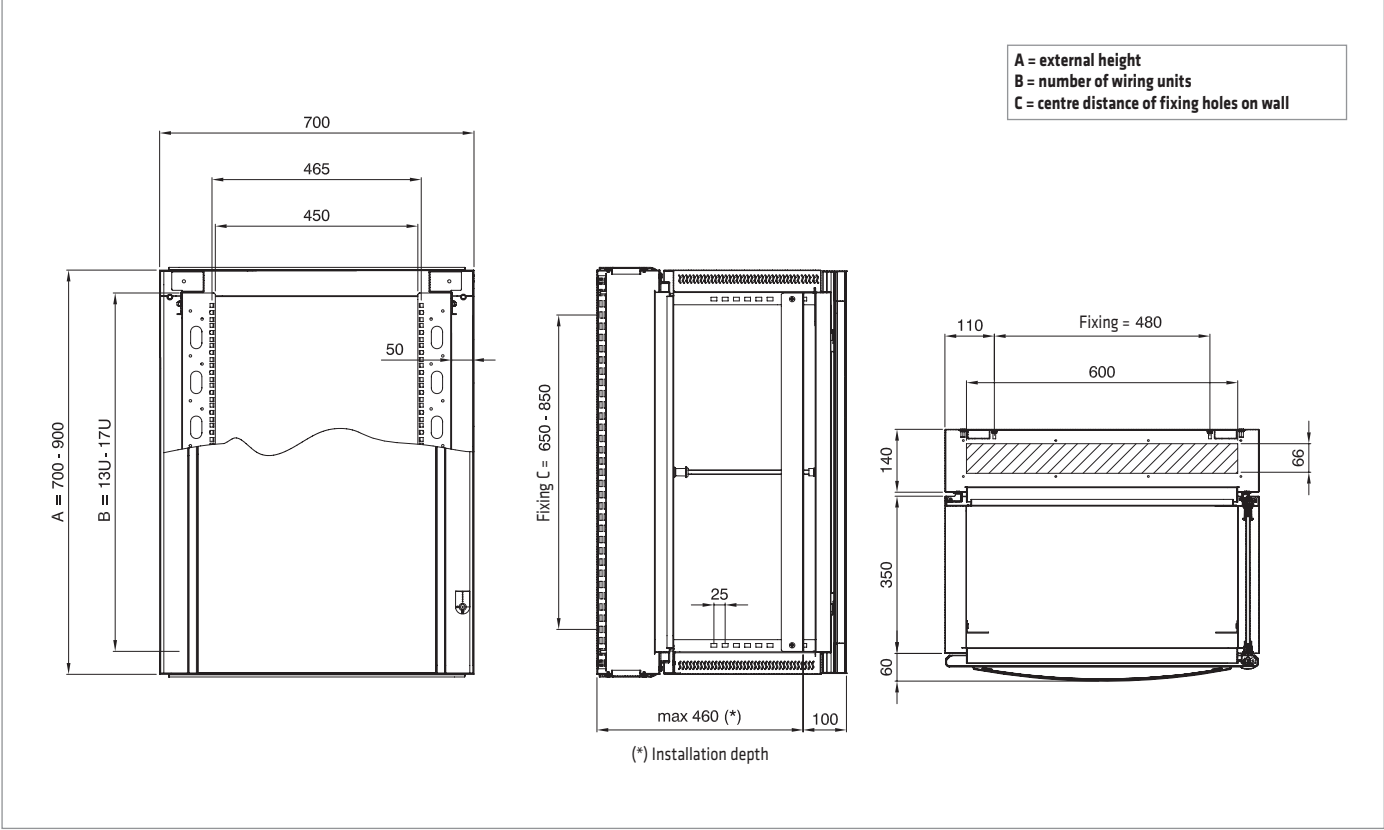
| Type of container | Installation | Paint | Transparent door | Compatibility | Height | Capacity |
|---------------------------|-----------------|------------------------------------|------------------------------|-----------------------------|---------------------------------------|-----------------------------|
| 50-HO | surface / floor | orange peel epoxy | tempered glass | standard 10" (step 44.45mm) | 400 mm | 8 U |
| Fixed structure boards | surface | epoxy-polyester medium orange peel | curved tempered safety glass | standard 19" (step 44.45mm) | 550 mm 700 mm 900 mm 1100 mm | 9 U 13 U 17 U 22 U |
| Rotating structure boards | surface | epoxy-polyester medium orange peel | curved tempered safety glass | standard 19" (step 44.45mm) | 700 mm 900 mm | 13 U 17 U |
| Floor-mounting boards | floor | epoxy-polyester medium orange peel | curved tempered safety glass | standard 19" (step 44.45mm) | 1500 mm 2100 mm | 28 U 42 U |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | | | |
|--|-----------|-----------------|--------------------|-----------|---------------|---------------|-----------|--------------------|---------------|---------------|-------------|-----------|
| Agent | Water | Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | | | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| LAN boards and cabinets | Resistant | Resistant | Limited resistance | Resistant | Not resistant | Not resistant | Resistant | Limited resistance | Not resistant | Resistant | Resistant | Resistant |

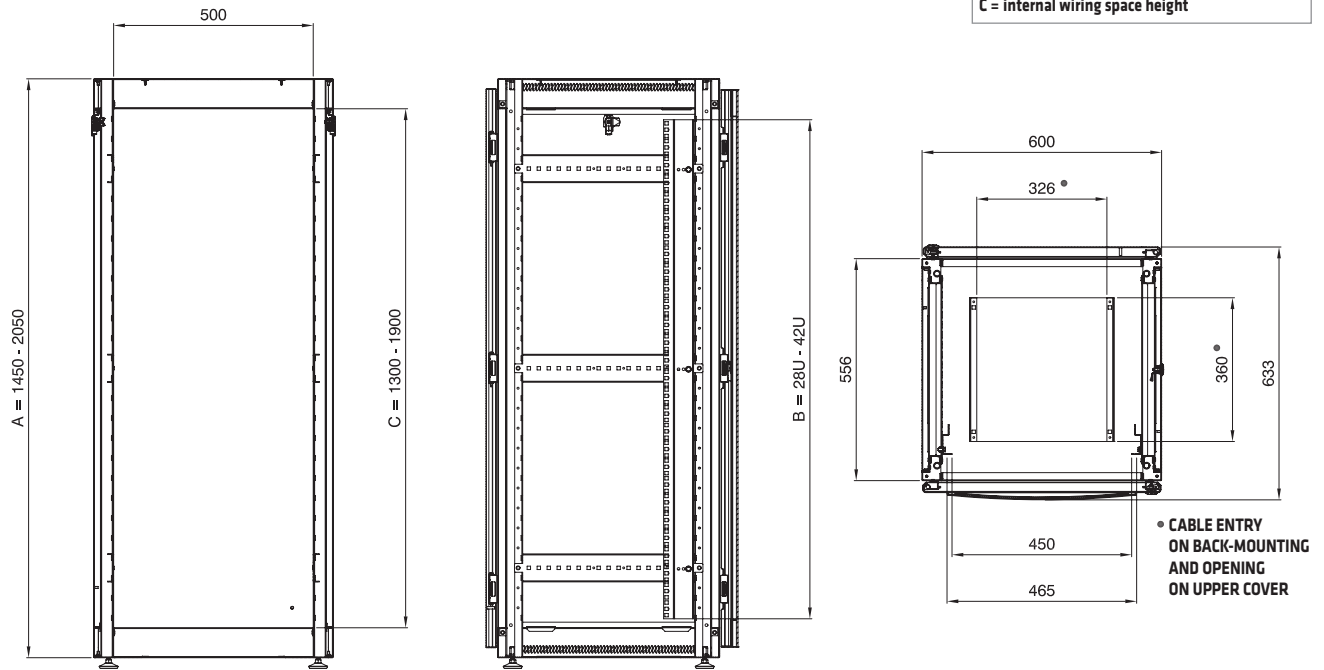
Dimension tables



ROTATING STRUCTURE LAN BOARD



LAN BOARD



28 SPIC

Plugs, sockets and adaptors for domestic and similar uses

Range of plugs, sockets, multiple adapters and trailing socket-outlets for the most common power take-off needs in the domestic environment.



PLUGS AND PORTABLE SOCKET-OUTLETS

PLUGS



GW 28 005

STRAIGHT PLUGS - ITALIAN STANDARD - 250V AC

| Code | No. of poles | Rated current (A) | Type | Colour | Pack Carton |
|-----------|--------------|-------------------|------|--------|-------------|
| GW 28 003 | 2P+E | 10 | S11 | White | 25/250 |
| GW 28 004 | 2P+E | 10 | S11 | Slate | 25/250 |
| GW 28 005 | 2P+E | 16 | S17 | White | 25/150 |
| GW 28 006 | 2P+E | 16 | S17 | Slate | 25/150 |



GW 28 007

90° PLUGS - ITALIAN STANDARD - 250V AC

| Code | No. of poles | Rated current (A) | Type | Colour | Pack Carton |
|-----------|--------------|-------------------|-------|--------|-------------|
| GW 28 007 | 2P+E | 10 | SPA11 | White | 25/150 |
| GW 28 008 | 2P+E | 10 | SPA11 | Slate | 25/150 |
| GW 28 009 | 2P+E | 16 | SPA17 | White | 25/250 |
| GW 28 010 | 2P+E | 16 | SPA17 | Slate | 25/250 |

GW28009 - GW28010: check extractability for side socket-outlets.



GW 28 011

STRAIGHT PLUGS - GERMAN/FRENCH STANDARD - 250V AC

| Code | No. of poles | Rated current (A) | Colour | Pack Carton |
|-----------|--------------|-------------------|--------|-------------|
| GW 28 011 | 2P+E | 10-16 | White | 25/175 |
| GW 28 013 | 2P+E | 10-16 | Black | 25/175 |

Plug with double earthing contact (side for German standard, middle for French standard).



GW 28 012

90° ANGLE PLUG - GERMAN/FRENCH STANDARD - 250V AC

| Code | No. of poles | Rated current (A) | Colour | Pack Carton |
|-----------|--------------|-------------------|--------|-------------|
| GW 28 012 | 2P+E | 10-16 | White | 25/175 |

Plug with double earthing contact (side for German standard, middle for French standard).

PORTABLE SOCKET-OUTLETS



GW 28 205

ITALIAN STANDARD PORTABLE SOCKET-OUTLETS - 250V AC

| Code | No. of poles | Rated current (A) | Type | Colour | Pack Carton |
|-----------|--------------|-------------------|----------------------|--------|-------------|
| GW 28 203 | 2P+E | 10 | P11 | White | 25/250 |
| GW 28 204 | 2P+E | 10 | P11 | Slate | 25/250 |
| GW 28 205 | 2P+E | 10-16 | Dual amperage P17-11 | White | 25/150 |
| GW 28 206 | 2P+E | 10-16 | Dual amperage P17-11 | Slate | 25/150 |

CHARACTERISTICS: with safety shields.

ADAPTORS AND MULTIPLE TRAILING SOCKET-OUTLETS

ADAPTORS



GW 28 423

ITALIAN STANDARD MULTIPLE ADAPTORS WITH 3 OUTPUTS - 250V AC - 1500W

| Code | Type of plug | Socket-outlet type | Colour | Pack Carton |
|-----------|----------------|-------------------------|--------|-------------|
| GW 28 421 | 2P+E 10A (S11) | 10A (P11) | White | 50/200 |
| GW 28 423 | 2P+E 16A (S17) | 16A dual amper (P17/11) | White | 50/200 |

CHARACTERISTICS: with safety shields.



GW 28 419

ITALIAN STANDARD FLAT MULTIPLE ADAPTERS WITH 3 OUTPUTS - 250V AC - 1500W

| Code | Type of plug | Socket-outlet type | Colour | Pack Carton |
|-----------|----------------|-------------------------|--------|-------------|
| GW 28 418 | 2P+E 10A (S11) | 10A (P11) | White | 40/160 |
| GW 28 419 | 2P+E 16A (S17) | 16A dual amper (P17/11) | White | 40/160 |

CHARACTERISTICS: with safety shields.



GW 28 417

MULTIPLE ADAPTERS WITH 2 OUTPUTS (ITALIAN STANDARD) AND 1 OUTPUT (ITALIAN/GERMAN STANDARD) 250V AC - 1500W

| Code | Type of plug | Socket-outlet type | Socket-outlet type | Colour | Pack Carton |
|-----------|----------------|--------------------|--------------------|--------|-------------|
| GW 28 416 | 2P+E 10A (S11) | 16 A (P30) | 10 A (P11) | White | 50/200 |
| GW 28 417 | 2P+E 16A (S17) | 16 A (P40) | 16 A d.a. (P17/11) | White | 50/200 |



GW 28 410

ITALIAN/GERMAN STANDARD SINGLE ADAPTORS WITH 1 OUTPUT - 250V AC - 1500W

| Code | Type of plug | Socket-outlet type | Colour | Pack Carton |
|-----------|----------------|--------------------|--------|-------------|
| GW 28 409 | 2P+E 10A (S11) | 16A (P30) | White | 50/200 |
| GW 28 410 | 2P+E 16A (S17) | 16A (P30) | White | 50/200 |

CHARACTERISTICS: socket-outlet with side and central earthing.



GW 28 415

ITALIAN/GERMAN STANDARD SINGLE ADAPTOR WITH 1 OUTPUT - 250V AC - 150W

| Code | Type of plug | Socket-outlet type | Colour | Pack Carton |
|-----------|------------------------|-------------------------|--------|-------------|
| GW 28 415 | 2P+E 16A German stand. | 16A dual amper (P17/11) | White | 15/150 |

CHARACTERISTICS: with safety shields.

MULTIPLE TRAILING SOCKET-OUTLETS (WITH SAFETY SHIELDS)



GW 28 601

MULTIPLE SOCKET-OUTLET, 6 OUTPUTS, ITALIAN STANDARD
WITH 1.5M CABLE AND STRAIGHT PLUG 2P+E - 16A - 250V AC - 3000W

| Code | Type of plug | No. of sockets | Socket-outlet type | Colour | Pack Carton |
|-----------|----------------|----------------|-------------------------|--------|-------------|
| GW 28 601 | 2P+E 16A (S17) | 6 | 16A dual amper (P17/11) | White | 1/20 |

CHARACTERISTICS: Cable in PVC type H05VV-F section 3x1 mm².



GW 28 613

MULTIPLE SOCKET-OUTLET, 5 OUTPUTS, ITALIAN/GERMAN STANDARD
WITH 1.5M CABLE AND STRAIGHT PLUG 2P+E - 16A - 250V AC - 3000W

| Code | Type of plug | No. of sockets | Socket-outlet type | Colour | Pack Carton |
|-----------|----------------|----------------|----------------------|--------|-------------|
| GW 28 613 | 2P+E 16A (S17) | 5 | 16A dual amper (P40) | White | 1/20 |

CHARACTERISTICS: socket-outlets with side and central earthing. Cable in PVC type H05VV-F section 3x1 mm².

ACCESSORIES SUPPLIED: luminous mains 2P 16A one-way switch.

Flush-mounting and surface-mounting boards

Domo Center

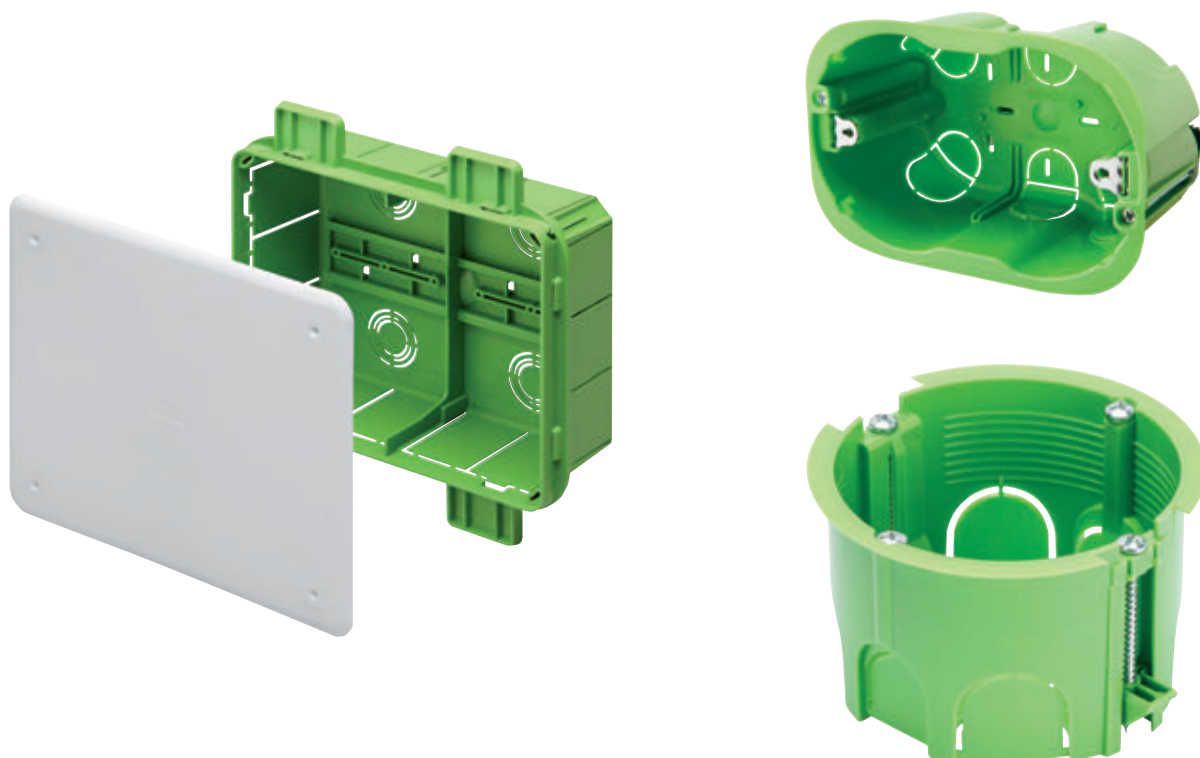
FLUSH-MOUNTING SYSTEM COLUMNS FOR DISTRIBUTION, H&B AUTOMATION AND DATA



pag. 616

Green Wall

FLUSH-MOUNTING SYSTEM FOR PLASTERBOARD WALLS



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40 CDi

FLUSH-MOUNTING DISTRIBUTION BOARDS
AND ENCLOSURES



pag. 1362

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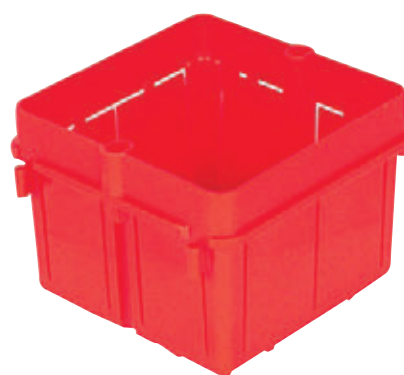
FLUSH-MOUNTING JUNCTION
AND MODULAR RANGE BOXES



pag. 1389

24 SC

FLUSH-, WALL-, AND FLOOR-MOUNTING BOXES FOR WIRING DEVICES



pag. 1405

Domo Center

RANGE

The versatility of DOMO CENTER makes it possible to perform various functions, such as: energy distribution, housing of devices for network cabling (Home Networking kit), integration of entryphone, and video entryphone devices (City Vision), domotic monitoring and control devices (Master ICE), and use as an upright column for the distribution of common services to the various floors of the building. The Domo Center range is divided into 2 parts:

Front configuration kit

These are configurations with predefined heights and types (with and without door) that contain all the components necessary for implementing the system column, with the exception of the back-mounting box that must be purchased separately. Available in the catalogue in 12 configurations, these kits facilitate the product selection, transport and assembly aspects.

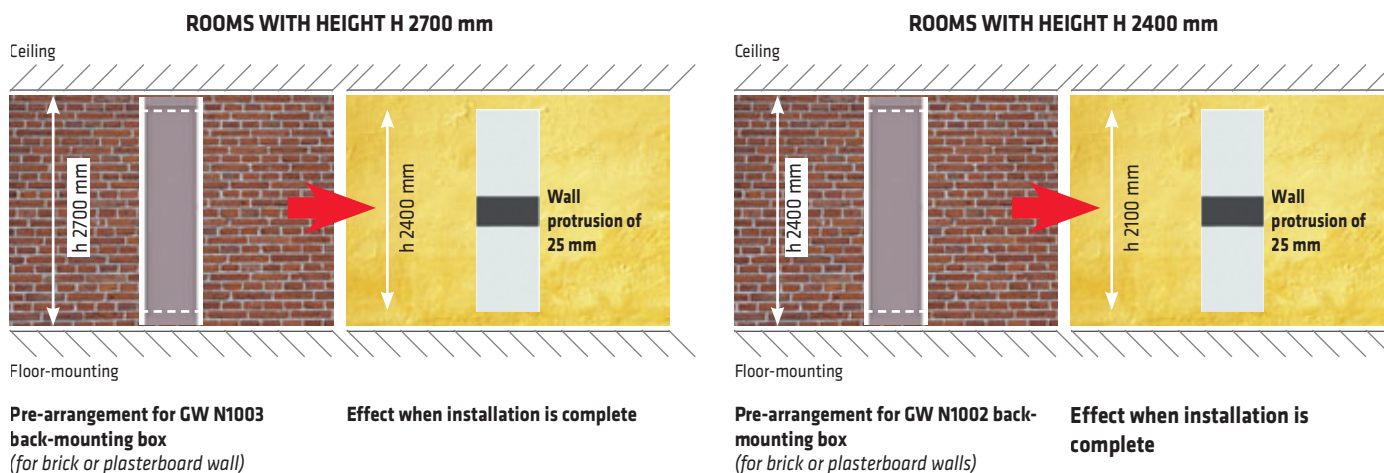
Components

It is possible, however, to create personalised configurations as required by making up the system column using the Domo Center components.



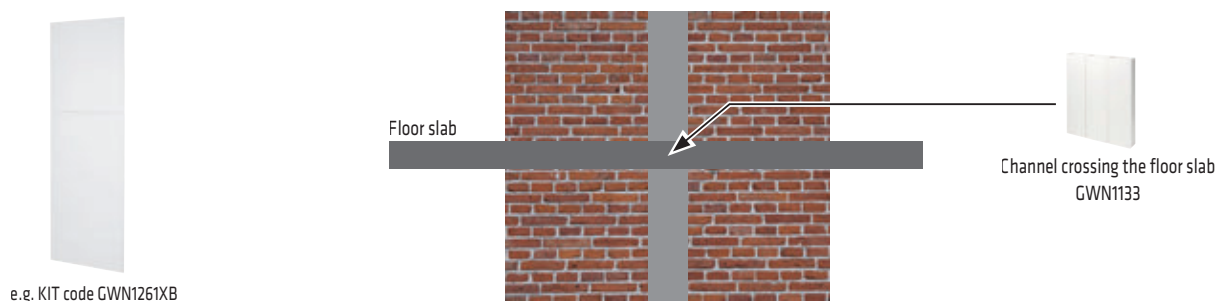
INSTALLATION

DOMO CENTER, comes in two standard dimensions, It is designed for installation in rooms with floor-ceiling heights (with the work completed) of 2700 mm or 2400 mm.



Note: the buffer panels H 150 mm inserted in the upper and lower edge of the flush-mounting back-mounting box are designed to be finished like the wall (both brick and plasterboard).

AN EXAMPLE OF USE AS AN UPRIGHT COLUMN FOR THE DISTRIBUTION OF COMMON SERVICES TO THE VARIOUS FLOORS OF THE BUILDING.



STRUCTURE

The DOMO CENTER can be configured in multiple solutions, with or without a door. Once the back-mounting box (height 2700 or 2400 mm) has been selected, the following aspects must be defined on the basis of its modularity: the internal configuration, the underdoor panels (if necessary) the front configuration until the modularity of the back-mounting box itself is reached. Examples that represent the two types are given below. For each assembly level, there is a description of the components that can be installed and their relative modular dimensions (1U corresponds to overall modular dimensions of h 300 mm).

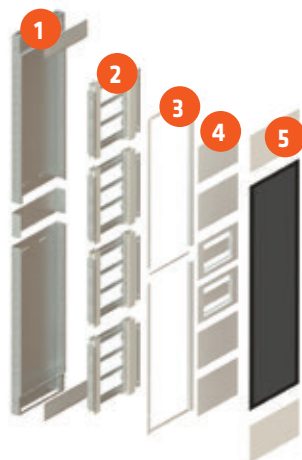
Version without a door



Composition representing code GWN1231XB and flush-mounting back-mounting box GWN1003

- 1 FLUSH-MOUNTING BACK-MOUNTING BOX**
Back-mounting box for masonry or plasterboard, in heights of 2700 mm (8U) and 2400 mm (7U)
- 2 INTERNAL CONFIGURATION ELEMENTS**
Functional frames with DIN rail (1U/2U), functional frames with back-mounting plate (1U/2U), centro stella kit (2U)
- 3 FINISH FRAME**
For heights 2400 mm (for a back-mounting box height of 2700 mm) and 2100 mm (for back-mounting box height of 2400 mm)
- 4 FRONT CONFIGURATION ELEMENTS**
40-module enclosure (1U), panels without windows (1U/2U/3U), panels with windows (1U/2U)

Version with door



Composition representing code GWN1401XB and flush-mounting back-mounting box GWN1003

- 1 FLUSH-MOUNTING BACK-MOUNTING BOX**
Back-mounting box for masonry or plasterboard, in heights of 2700 mm (8U) and 2400 mm (7U)
- 2 INTERNAL CONFIGURATION ELEMENTS**
Functional frames with DIN rail (1U/2U), functional frames with back-mounting plate (1U/2U), centro stella kit (2U)
- 3 FINISH FRAME**
For heights 2400 mm (for a back-mounting box height of 2700 mm) and 2100 mm (for back-mounting box height of 2400 mm)
- 4 UNDERDOOR ELEMENTS**
Underdoor panels with windows 2 DIN rail rows (1U), underdoor panels without windows (1U)
- 5 FRONT CONFIGURATION ELEMENTS**
Doors* (5U/6U) and panels without windows (1U/2U/3U)

* For a mirror finish, the door in 7U and 8U modularities includes panels without windows.

AVAILABLE FINISHES



RAL 9003 white



Maple



Cherry



Moon



Lava



Sand



Brushed white



Brushed grey

NOTE: the finishes available upon request relate to the front configuration elements, and can only be implemented for complete kits. Kits available in the catalogue, in white RAL 9003.














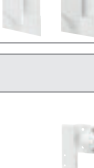









HOW TO REQUEST THE MOST SUITABLE CONFIGURATION (KIT)

Contact customer service (sat@gewiss.com) or the sales organisation for configuration and estimate support. To facilitate these requests, the DOMO CENTER Gweb software is freely available on gewiss.com.

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KIT PRECONFIGURED A CATALOGUE

| DOMO CENTER FRONT CONFIGURATION KIT | | | | | | | | | | |
|---|---|---|---|--|---|---|---|---|-----------------|-----------------|
| KIT TYPE | VERSION | FOR FLUSH-MOUNTING BACK-MOUNTING BOX (not included in the KIT) | | KIT CODE | FINISH (metal) | CAPACITY (unit/ modularity/ functional height) | INTERNAL CONFIGURATION | | | |
| | | | | | | | Function frame with DIN rails | Functional frame with back-mounting plate | | |
| | | | | | | |  |  | | |
| | | | | | | | Dimensions (unit/modularity/height) | | | |
| | | | | | | | 1 U 40 M (20x2) H 300 mm | 2 U 80 M (20x4) H 600 mm | 1 U H 300 mm | 2 U H 600 mm |
| KIT VERSIONS WITHOUT DOOR | Enclosure | GWN1003 (H 2700 mm) |  | GWN1201XB | Finish panels and enclosure front white RAL 9003 | 8 U 320 M 2400 mm | | N°4 | | |
| | | GWN1002 (H 2400 mm) |  | GWN1601XB | | 7 U 280 M 2100 mm | N°1 | N°3 | | |
| | Domotic monitoring and control enclosure | GWN1003 (H 2700 mm) |  | GWN1231XB | Finish panels and enclosure front white RAL 9003 | 8 U 280 M 2400 mm | | N°3 | | N°1 |
| | | GWN1002 (H 2400 mm) |  | GWN1631XB | | 7 U 240 M 2100 mm | | N°3 | N°1 | |
| | Upright column | GWN1003 (H 2700 mm) |  | GWN1261XB | Finish panels white RAL 9003 | 8 U 40 M 2400 mm | N°1 | | N°1 | N°3 |
| | | GWN1002 (H 2400 mm) |  | GWN1661XB | | 7 U 40 M 2100 mm | N°1 | | | N°3 |
| KIT VERSIONS WITH DOOR | Enclosure with smoked transparent finish door | GWN1003 (H 2700 mm) |  | GWN1401XB | Finish panels white RAL 9003 and smoked transparent glass door | 8 U 320 M 2400 mm | | N°4 | | |
| | | GWN1002 (H 2400 mm) |  | GWN1801XB | | 7 U 280 M 2100 mm | N°1 | N°3 | | |
| | Enclosure with door and mirror finish panels | GWN1003 (H 2700 mm) |  | GWN1431CP | Door and panels with integral mirror finish on the entire surface | 8 U 320 M 2400 mm | | N°4 | | |
| | | GWN1002 (H 2400 mm) |  | GWN1831CP | | 7 U 280 M 2100 mm | N°1 | N°3 | | |
| | Enclosure with metal finish door | GWN1003 (H 2700 mm) |  | GWN1461XB | Door and panels with white RAL 9003 finish | 8 U 320 M 2400 mm | | N°4 | | |
| | | GWN1002 (H 2400 mm) |  | GWN1861XB | | 7 U 280 M 2100 mm | N°1 | N°3 | | |
| KIT COMPLEMENTARY ITEMS | | | | | | | | | | |
|  |  |  |  |  |  |  | | | | |
| Flush-mounting back-mounting boxes* GWN1002 (for H 2400 mm) GWN1003 (for H 2700 mm) | Kit for coupling back-mounting boxes GWN1131 | Safety lock GWN1132 | Channel crossing the floor slab GWN1133 | Separator plate GWN1141 (horizontal) GWN1142 (vertical) | Fixing brackets for Internet Gateway GWN1134 | Safety lock kit for white blind metal panels with finishing design GWN1135 | | | | |







* Before installing the front configuration KIT, install the metal flush-mounting back-mounting box.







In red: elements available in different design finishes (cherry, maple, moon, lava, sand, brushed white, brushed grey) when requesting preconfigured kits: to facilitate these requests, the DOMO CENTER Gweb software is freely available on gewiss.com.

NOTE: (U) refers to the modular dimensions (e.g. 1U corresponds to overall modular dimensions equal to h 300 mm)

| ACCESSORIES SUPPLIED IN THE KIT | | | | | | | | | | | | | | |
|---------------------------------|---|---|--|-------------------------------------|------------------|--|------------------|------------------|------------------|---|----------------------------|-------------------------------|-----------------|-----------------|
| FINISH FRAME | Front CONFIGURATION (external finish elements) | | | | | | | | | | | | | |
| | Enclosure with smoked transparent door | Enclosure function panel with windows (underdoor) | Panel without windows (underdoor) | Door in smoked transparent glass | | Door and 2 panels H=300 mm with mirror finish on the entire surface | | Finish door | | Finish panels with windows for specific devices | | Finish panels without windows | | |
| | Metal white RAL 9003 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Dimensions (unit/modularity/height) | | | | | | | | | | | | | |
| | 1 U 40 M (20x2) H 300 mm | 1 U 40 M (20x2) H 300 mm | 1 U H 300 mm | 5 U H 1500 mm | 6 U H 1800 mm | 7 U H 2100 mm | 8 U H 2400 mm | 5 U H 1500 mm | 6 U H 1800 mm | 1 U H 300 mm | 2 U H 600 mm | 1 U H 300 mm | 2 U H 600 mm | 3 U H 900 mm |
| N°1 | N°2 | | | | | | | | | | | | | N°2 |
| | N°1 | | | | | | | | | | | | | N°2 |
| | N°1 | | | | | | | | | | N°1 (Master ICE 15") | | N°1 | N°1 |
| | N°1 | | | | | | | | | N°1 (Master ICE 10") | | | N°1 | N°1 |
| | | | | | | | | | | | | | N°1 | N°2 |
| | | | | | | | | | | | | N°1 | | N°2 |
| | | N°2 | N°4 | | N°1 | | | | | | | N°2 | | |
| | | N°1 | N°4 | N°1 | | | | | | | | N°2 | | |
| | | N°2 | N°4 | | | | N°1 | | | | | | | |
| | | N°1 | N°4 | | | N°1 | | | | | | | | |
| | | N°2 | N°4 | | | | | | N°1 | | | N°2 | | |
| | | N°1 | N°4 | | | | | N°1 | | | | N°2 | | |














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| VERSIONS WITHOUT DOOR (WITH ENCLOSURE AND FINISH PANELS) | | | | | INTERNAL CONFIGURATION | | | | | FINISH FRAME |
|---|--|---|--|-----------------------------------|---|--------------------------------|--|-----------------|--|---|
|  | | | | | Function frame with DIN rails | | Functional frame with back-mounting plate | | Kit for network cabling |  |
| | | | | |  | |  | |  | |
| | | | | | Dimensions (unit/modularity/height) | | | | | |
| | | | | | 1 U 40 M (20x2) H 300 mm | 2 U 80 M (20x4) H 600 mm | 1 U H 300 mm | 2 U H 600 mm | 2 U H 600 mm | |
| | | | | | | | | | | Element required for fixing front configuration elements |
| FLUSH-MOUNTING BACK-MOUNTING BOXES |  | GWN1002 (dim. back-mounting box LxHxD 590x2400x85 mm) (functional dimensions LxHxD 590x2100x85 mm) | CAPACITY (unit/modularity/functional height) | 7 U 280 M (20x14) h 2100 mm | GWN1012 | GWN1014 | GWN1022 | GWN1024 | GWN1031 (Note: Closing through blind finish panels) Optional: complete windowed panel under door GWN1122XB for home networking kit | GWN1042XB |
| | | GWN1003 (dim. back-mounting box LxHxD 590x2700x85 mm) (functional dimensions LxHxD 590x2400x85 mm) | | 8 U 320 M (20x16) h 2400 mm | | | | | | GWN1043XB |

| VERSIONS WITH DOOR (WITH UNDERDOOR PANELS, DOOR AND FINISH PANELS) | | | | | INTERNAL CONFIGURATION | | | | | FINISH FRAME |
|---|---|---|--|-----------------------------------|---|--------------------------------|--|-----------------|---|---|
|  | | | | | Function frame with DIN rails | | Functional frame with back-mounting plate | | Kit for network cabling |  |
| | | | | |  | |  | |  | |
| | | | | | Dimensions (unit/modularity/height) | | | | | |
| | | | | | 1 U 40 M (20x2) H 300 mm | 2 U 80 M (20x4) H 600 mm | 1 U H 300 mm | 2 U H 600 mm | 2 U H 600 mm | |
| | | | | | | | | | | Element required for fixing front configuration elements |
| FLUSH-MOUNTING BACK-MOUNTING BOXES |  | GWN1002 (dim. back-mounting box LxHxD 590x2400x85 mm) (functional dimensions LxHxD 590x2100x85 mm) | CAPACITY (unit/modularity/functional height) | 7 U 280 M (20x14) h 2100 mm | GWN1012 | GWN1014 | GWN1022 | GWN1024 | GWN1031 (Note: for an high aesthetic performance and device protection use the underdoor windowed panel code GWN1122XB for networking kit) (Note: closure with underdoor finish panels without windows) | GWN1042XB |
| | | GWN1003 (dim. back-mounting box LxHxD 590x2700x85 mm) (functional dimensions LxHxD 590x2400x85 mm) | | 8 U 320 M (20x16) h 2400 mm | | | | | | GWN1043XB |

(1) refer to the catalogue for information regarding the compatibility of panels with windows with specific devices (e.g. City Vision, etc.)

NOTE: (U) refers to the modular dimensions (e.g. 1U corresponds to overall modular dimensions equal to h 300 mm)

| Front CONFIGURATION (external finish elements) | | | | | | | | COMPLEMENTARY ITEMS |
|---|---|-----------------|-----------------|---|---|---|---|--|
| Enclosure with smoked transparent door | Finish panels without windows | | | Finish panels with windows for specific devices (1) | | | | |
| Metal white RAL 9003 | | | | | | | | |
|  |  | | |  | | | | |
| Dimensions (unit/modularity/height) | | | | | | | | |
| 1 U 40 M (20x2) H 300 mm | 1 U H 300 mm | 2 U H 600 mm | 3 U H 900 mm | 1 U H 300 mm | 2 U H 600 mm | 1 U H 300 mm | 1 U H 300 mm | Safety lock kit for white blind metal panels with finishing design GWN1135  |
| GWN1051XB | GWN1062XB | GWN1064XB | GWN1066XB | GWN1071XB (for Master ICE 10"-> article to be ordered separately)  | GWN1072XB (for Master ICE 15"-> article to be ordered separately)  | GWN1077XB (for City Vision wall devices and burglar alarm keyboard -> articles to be ordered separately)  | GWN1078XB (for City Vision flush-mounting devices -> articles to be ordered separately)  | Kit for coupling back-mounting boxes GWN1131  Channel crossing the floor slab GWN1133  Safety lock GWN1132  Separator plate GWN1141 (horizontal) GWN1142 (vertical)  Fixing brackets for Internet Gateway GWN1134  |

| Front CONFIGURATION (external finish elements) | | | | | | | | | | | COMPLEMENTARY ITEMS |
|---|-----------------------------------|---|-------------------|-------------------|-------------------|--------------------|----------------------|-------------------------------|-----------------|-----------------|--|
| Enclosure function panel with windows (underdoor) | Panel without windows (underdoor) | Finish doors (glass, metal and mirror finishes*) (*) For mirrored doors: 2 mirror panels H=300 mm supplied. | | | | | | Finish panels without windows | | | |
| | | | | | | | | Metal white RAL 9003 | | | |
| Metal white RAL 9003 | | | | | | | Metal white RAL 9003 | | | | |
| | | | | | | | | | | | |
| Dimensions (unit/modularity/height) | | | | | | | | | | | |
| 1 U 40 M (20x2) H 300 mm | 1 U H 300 mm | 5 U H 1500 mm | 6 U H 1800 mm | 5 U H 1500 mm | 6 U H 1800 mm | 7 U H 2100 mm | 8 U H 2400 mm | 1 U H 300 mm | 2 U H 600 mm | 3 U H 900 mm | <div>Safety lock kit for white blind metal panels with finishing design GWN1135</div> <div></div> <div>Kit for coupling back-mounting boxes GWN1131</div> <div></div> <div>Channel crossing the floor slab GWN1133</div> <div></div> <div>Fixing brackets for Internet Gateway GWN1134</div> <div></div> |
| GWN1121XB | GWN1124XB | GWN1101CF (glass) | GWN1111CF (glass) | GWN1101XB (metal) | GWN1111XB (metal) | GWN1101CP (mirror) | / | GWN1062XB | GWN1064XB | GWN1066XB | |

In red: elements available in different design finishes (cherry, maple, moon, lava, sand, brushed white, brushed grey) when requesting preconfigured kits: to facilitate these requests, the DOMO CENTER Gweb software is freely available on gewiss.com.

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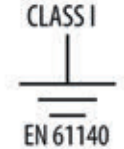
Flush-mounting system columns for distribution, H&B automation and data

DOMO CENTER transforms the domestic systems into furnishing accessories: a modern design solution that blends with the existing context, centralising and rationalising the existing services - from the most traditional to the most advanced - in a single point with a modularity of up to 320 modules. Also available with personalised design finishes, including the characteristic full-mirror version.



Technical characteristics page 626

DOMO CENTER FRONT CONFIGURATION KIT



2700 KIT VERSIONS - WITHOUT DOOR



GW N1 201 XB

SYSTEM COLUMN FRONT KIT WITH FINISH PANELS IN WHITE METAL RAL 9003 AND 2 ENCLOSURE - 40 MODULES

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|--------------|--|--------------------------|------------------------------|----------------|
| GW N1 201 XB | 590x2700x85 | 642x2400x25 | 320 (20x16) | 1 |

*: 320M maximum available modular space.

ACCESSORIES SUPPLIED:

- 4 functional frames for 80 DIN rail modules (20x4), code GWN1014.
- 1 metal frame, code GWN1043XB.
- 2 finish panels without windows, code GWN1066XB.
- 2 enclosures - 40 DIN rail modules (20x2) with door in smoked transparent glass, code GWN1051XB.

NOTES: installation is recommended in areas with a floor-ceiling height of h 2700 mm when the work is complete.
Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1003.



GW N1 231 XB

SYSTEM COLUMN FRONT KIT WITH FINISH PANELS IN WHITE METAL RAL 9003, 1 ENCLOSURE - 40 MODULES AND 1 PANEL FOR MASTER ICE 15"

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|--------------|--|--------------------------|------------------------------|----------------|
| GW N1 231 XB | 590x2700x85 | 642x2400x25 | 280 (20x14) | 1 |

*: 280M maximum available modular space.

ACCESSORIES SUPPLIED:

- 3 functional frames for 80 DIN rail modules (20x4), code GWN1014.
- 1 frame with back mounting plate, code GWN1024
- 1 metal frame, code GWN1043XB.
- 1 finish panel without windows, code GWN1066XB.
- 1 finish panel without windows, code GWN1064XB.
- 1 enclosure for 40 DIN rail modules (20x2) with door in smoked transparent glass, code GWN1051XB.
- 1 panel for Master ICE 15", code GWN1072XB.

NOTES: installation is recommended in areas with a floor-ceiling height of h 2700 mm when the work is complete.
Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1003.



GW N1 261 XB

SYSTEM COLUMN FRONT KIT WITH FINISH PANELS IN WHITE METAL RAL 9003 FOR USE AS AN UPRIGHT COLUMN

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|---------------------|--|--------------------------|------------------------------|----------------|
| GW N1 261 XB | 590x2700x85 | 642x2400x25 | 40 (20x2) | 1 |

*: 40M maximum modular space available (e.g. for terminal block for junction, cross-pieces etc.).

SUPPLIED:

- 1 functional frame for 40 DIN rail modules (20x2), code GWN1012.
- 3 functional frames supplied with back-mounting plate, code GWN1024.
- 1 functional frame supplied with back-mounting plate, code GWN1022.
- 1 metal frame, code GWN1043XB.

- 2 finish panels without windows, code GWN1066XB.
- 1 finish panel without windows, code GWN1064XB.

NOTES: installation is recommended in areas with a floor-ceiling height of h 2700 mm when the work is complete.

Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1003.

2700 KIT VERSIONS - WITH DOOR



GW N1 401 XB

SYSTEM COLUMN FRONT KIT WITH DOOR IN SMOKED TRANSPARENT GLASS, FINISH PANELS IN WHITE METAL RAL 9003, 2 UNDERDOOR ENCLOSURES 40 M AND UNDERDOOR PANELS WHITE RAL 9003

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|---------------------|--|--------------------------|------------------------------|----------------|
| GW N1 401 XB | 590x2700x85 | 642x2400x25 | 320 (20x16) | 1 |

*: 320M maximum available modular space.

ACCESSORIES SUPPLIED:

- 4 functional frames for 80 DIN rail modules (20x4), code GWN1014.
- 1 metal frame, code GWN1043XB.
- 2 finish panels without windows, code GWN1062XB.
- 2 underdoor enclosures for 40 DIN rail modules (20x2), code GWN1121XB.
- 4 underdoor panels, code GWN1124XB.
- 1 door in transparent smoked glass, code GWN1111CF.

NOTES: installation is recommended in areas with a floor-ceiling height of h 2700 mm when the work is complete.

Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1003.



GW N1 431 CP

SYSTEM COLUMN FRONT KIT WITH MIRROR FINISH PANELS AND DOOR, 2 UNDERDOOR ENCLOSURES 40 M AND UNDERDOOR PANELS WHITE RAL 9003

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|---------------------|--|--------------------------|------------------------------|----------------|
| GW N1 431 CP | 590x2700x85 | 642x2400x25 | 320 (20x16) | 1 |

*: 320M maximum available modular space.

CHARACTERISTICS: door and panels in metal with integral mirror finish on the entire surface.

ACCESSORIES SUPPLIED:

- 4 functional frames for 80 DIN rail modules (20x4), code GWN1014.
- 1 metal frame, code GWN1043XB.
- 2 underdoor enclosures for 40 DIN rail modules (20x2), code GWN1121XB.
- 4 underdoor panels, code GWN1124XB.
- 1 door and 2 mirror panels, code GWN1111CP.

NOTES:

Installation is recommended in areas with a floor-ceiling height of h 2700 mm when the work is complete.

The door pack with mirror finish include also 2 mirror panels with h = 300 mm.

Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1003.



GW N1 461 XB

SYSTEM COLUMN FRONT KIT WITH DOOR AND FINISH PANELS IN WHITE METAL RAL 9003, 2 UNDERDOOR ENCLOSURES 40 M AND UNDERDOOR PANELS WHITE RAL 9003

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|---------------------|--|--------------------------|------------------------------|----------------|
| GW N1 461 XB | 590x2700x85 | 642x2400x25 | 320 (20x16) | 1 |

*: 320M maximum available modular space.

ACCESSORIES SUPPLIED:

- 4 functional frames for 80 DIN rail modules (20x4), code GWN1014.
- 1 metal frame, code GWN1043XB.
- 2 finish panels without windows, code GWN1062XB.
- 2 underdoor enclosures for 40 DIN rail modules (20x2), code GWN1121XB.
- 4 underdoor panels, code GWN1124XB.
- 1 metal door, code GWN1111XB.

NOTES: installation is recommended in areas with a floor-ceiling height of h 2700 mm when the work is complete.

Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1003.

2400 KIT VERSIONS - WITHOUT DOOR



GW N1 601 XB

SYSTEM COLUMN FRONT KIT WITH FINISH PANELS IN METAL COLOUR RAL 9003 AND 1 ENCLOSURE - 40 MODULES

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|---------------------|--|--------------------------|------------------------------|----------------|
| GW N1 601 XB | 590x2400x85 | 642x2100x25 | 280 (20x14) | 1 |

*: 280M maximum available modular space.

ACCESSORIES SUPPLIED:

3 functional frames for 80 DIN rail modules (20x4), code GWN1014.

1 functional frame supplied with DIN rails, code GWN1012.

1 metal frame, code GWN1042XB.

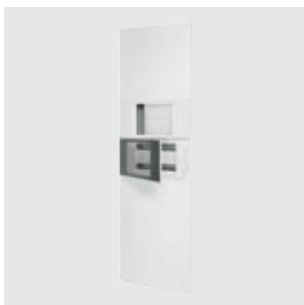
2 finish panels without windows, code GWN1066XB.

1 enclosure for 40 DIN rail modules (20x2) with door in smoked transparent glass, code GWN1051XB.

NOTES: installation is recommended in areas with a floor-ceiling height of h 2400 mm when the work is complete.

Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1002.



GW N1 631 XB

SYSTEM COLUMN FRONT KIT WITH FINISH PANELS IN WHITE METAL RAL 9003, 1 ENCLOSURE - 40 MODULES AND 1 PANEL FOR MASTER ICE 10"

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|---------------------|--|--------------------------|------------------------------|----------------|
| GW N1 631 XB | 590x2400x85 | 642x2100x25 | 240 (20x12) | 1 |

*: 240M maximum available modular space.

ACCESSORIES SUPPLIED:

3 functional frames for 80 DIN rail modules (20x4), code GWN1014.

1 frame with back mounting plate, code GWN1022.

1 metal frame, code GWN1042XB.

1 finish panel without windows, code GWN1066XB.

1 finish panel without windows, code GWN1064XB.

1 enclosure for 40 DIN rail modules (20x2) with door in smoked transparent glass, code GWN1051XB.

1 panel for Master ICE 10", code GWN1071XB.

NOTES: installation is recommended in areas with a floor-ceiling height of h 2400 mm when the work is complete.

Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1002.



GW N1 661 XB

SYSTEM COLUMN FRONT KIT WITH FINISH PANELS IN WHITE METAL RAL 9003 FOR USE AS AN UPRIGHT COLUMN

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|---------------------|--|--------------------------|------------------------------|----------------|
| GW N1 661 XB | 590x2400x85 | 642x2100x25 | 40 (20x2) | 1 |

*: 40M maximum modular space available (e.g. for terminal block for junction, cross-pieces etc.).

ACCESSORIES SUPPLIED:

1 functional frame for 40 DIN rail modules (20x2), code GWN1012.

3 functional frames supplied with back-mounting plate, code GWN1024.

1 metal frame, code GWN1042XB.

2 finish panels without windows, code GWN1066XB.

1 finish panel without windows, code GWN1062XB.

NOTES: installation is recommended in areas with a floor-ceiling height of h 2400 mm when the work is complete.

Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1002.

2400 KIT VERSIONS - WITH DOOR



GW N1 801 XB

SYSTEM COLUMN FRONT KIT WITH DOOR IN SMOKED TRANSPARENT GLASS, FINISH PANELS IN WHITE METAL RAL 9003, 1 UNDERDOOR ENCLOSURE 40 M AND UNDERDOOR PANELS WHITE RAL 9003

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|---------------------|--|--------------------------|------------------------------|----------------|
| GW N1 801 XB | 590x2400x85 | 642x2100x25 | 280 (20x14) | 1 |

*: 280M maximum available modular space.

ACCESSORIES SUPPLIED:

- 3 functional frames for 80 DIN rail modules (20x4), code GWN1014.
- 1 functional frame supplied with DIN rails, code GWN1012.
- 1 metal frame, code GWN1042XB.
- 2 finish panels without windows, code GWN1062XB.
- 1 underdoor enclosure for 40 DIN rail modules (20x2), code GWN1121XB.
- 4 underdoor panels, code GWN1124XB.
- 1 door in transparent smoked glass, code GWN1101CF.

NOTES: installation is recommended in areas with a floor-ceiling height of h 2400 mm when the work is complete.

Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1002.



GW N1 831 CP

SYSTEM COLUMN FRONT KIT WITH MIRROR FINISH PANELS AND DOOR, 1 UNDERDOOR ENCLOSURE 40 M AND UNDERDOOR PANELS WHITE RAL 9003

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|---------------------|--|--------------------------|------------------------------|----------------|
| GW N1 831 CP | 590x2400x85 | 642x2100x25 | 280 (20x14) | 1 |

*: 280M maximum available modular space.

CHARACTERISTICS: door and panels in metal with integral mirror finish on the entire surface.

ACCESSORIES SUPPLIED:

- 3 functional frames for 80 DIN rail modules (20x4), code GWN1014.
- 1 functional frame supplied with DIN rails, code GWN1012.
- 1 metal frame, code GWN1042XB.
- 1 underdoor enclosure for 40 DIN rail modules (20x2), code GWN1121XB.
- 4 underdoor panels, code GWN1124XB.
- 1 door and 2 mirror panels, code GWN1101CP.

NOTES: installation is recommended in areas with a floor-ceiling height of h 2400 mm when the work is complete.

The door pack with mirror finish include also 2 mirror panels with h = 300 mm.

Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1002.



GW N1 861 XB

SYSTEM COLUMN FRONT KIT WITH DOOR AND FINISH PANELS IN WHITE METAL RAL 9003, 1 UNDERDOOR ENCLOSURE 40 M AND UNDERDOOR PANELS WHITE RAL 9003

| Code | For back-mounting box dim. LxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 * | Pack Carton |
|---------------------|--|--------------------------|------------------------------|----------------|
| GW N1 861 XB | 590x2400x85 | 642x2100x25 | 280 (20x14) | 1 |

*: 280M maximum available modular space.

ACCESSORIES SUPPLIED:

- 3 functional frames for 80 DIN rail modules (20x4), code GWN1014.
- 1 functional frame supplied with DIN rails, code GWN1012.
- 1 metal frame, code GWN1042XB.
- 2 finish panels without windows, code GWN1062XB.
- 1 underdoor enclosure for 40 DIN rail modules (20x2), code GWN1121XB.
- 4 underdoor panels, code GWN1124XB.
- 1 metal door, code GWN1101XB.

NOTES: installation is recommended in areas with a floor-ceiling height of h 2400 mm when the work is complete.

Maximum rated current In = 125 A.

Flush-mounting back-mounting box to be ordered separately. Reference code GWN1002.

DOMO CENTER COMPONENTS

BACK-MOUNTING BOXES



GW N1 002

METAL FLUSH-MOUNTING BACK-MOUNTING BOX FOR MASONRY AND PLASTERBOARD WALLS

| Code | For kit | Functional dim. LxHxD (mm) | Back plate dim. LxHxD (mm) | No. of modules EN 50022 | Maximum dispersible power (W) | Pack Carton |
|------------------|---------------|-------------------------------|-------------------------------|----------------------------|----------------------------------|----------------|
| GW N1 002 | Versions 2400 | 590x2100x85 | 590x2400x85 | 280 (20x14) | 800 | 1 |
| GW N1 003 | Versions 2700 | 590x2400x85 | 590x2700x85 | 320 (20x16) | 700 | 1 |

ACCESSORIES SUPPLIED: adjustable feet, masonry template, casing union band and 2 upper and lower cover panels with h=150 mm.

CHARACTERISTICS: flush-mounting back-mounting box can be obtained with two coupled casings. Rectangular knockouts on the vertical sides and lower and upper heads open for pipe entrance. Adjustable feet from 0 to 205 mm both on the lower side as well as on the upper side for installation adjustment.

APPLICATIONS: flush-mounting back-mounting box, code GWN1002, for applications in areas with a floor-ceiling height of h 2400 mm when the work is complete. flush-mounting back-mounting box, code GWN1003, for applications in areas with a floor-ceiling height of h 2700 mm when the work is complete.

INTERNAL CONFIGURATION



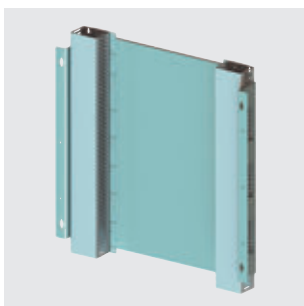
GW N1 014

FUNCTIONAL METAL FRAMES EQUIPPED WITH DIN RAILS FOR MODULAR DEVICES

| Code | Height (mm) | No. of modules EN 50022 | Pack Carton |
|------------------|----------------|----------------------------|----------------|
| GW N1 012 | 300 | 40 (20x2) | 1 |
| GW N1 014 | 600 | 80 (20x4) | 1 |

ACCESSORIES SUPPLIED: vertical wiring trunking 80x60 mm. Screw kit for fixing the frame on the back-mounting box.

CHARACTERISTICS: pre-arrangement for horizontal trunking 30x60 and use of horizontal dividers, code GWN1141.



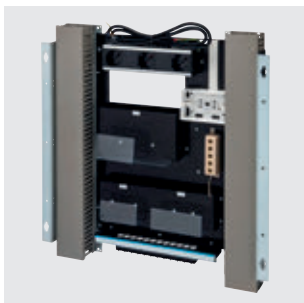
GW N1 024

FUNCTIONAL FRAMES WITH METAL BACK-MOUNTING PLATE FOR FIXING NON-MODULAR DEVICES

| Code | Height (mm) | Max load (kg) | Pack Carton |
|------------------|----------------|---------------|----------------|
| GW N1 022 | 300 | 10 | 1 |
| GW N1 024 | 600 | 20 | 1 |

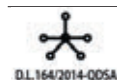
ACCESSORIES SUPPLIED: vertical wiring trunking 80x60 mm. Screw kit for fixing the frame on the back-mounting box.

CHARACTERISTICS: pre-arrangement for horizontal trunking 30x60 and use of horizontal dividers, code GWN1141.



GW N1 031

HOME NETWORKING KIT - KIT FOR IMPLEMENTING NETWORK CABLING



| Code | Height (mm) | Dispersible power (W) | Pack Carton |
|------------------|----------------|--------------------------|----------------|
| GW N1 031 | 600 | 50 | 1 |

CHARACTERISTICS: functional frame specific for installation of the Home Networking kit.

ACCESSORIES SUPPLIED: vertical wiring trunking 80x60mm. Screw kit for fixing the frame on the back-mounting box. Support for the housing of equipments and cabling supplied with 1 multiple electric socket-outlet (with 3 bivalent socket-outlets IT 2P+E 16 A 250 V); 1 multiple telephone socket-outlet with 5 RJ11 socket-outlets; 1 patch panel with 12 RJ45 ports; Kit with 5 telephone cords including RJ45-RJ11 plugs, cat.3, 4xAWG26 cable, L=0.5 m; kit with 4 ethernet cables UTP cat. 6 LSZH, L=0.6 m.

APPLICATIONS: the Home Networking enclosure is the central network cabling element, allowing each room to take advantage of advanced telephone and Internet services and multimedia contents. The product responds to the technical requirements of 164/2014 law as Apartment Signals Distribution Board; An innovative solution validated by Telecom Italia. The WI-FI signal is shielded by the metal structure of the DOMO CENTER, so an external antenna is needed.

NOTES: For an improved aesthetic finish and protection use the removable metal completely windowed panel GWN1122XB.

FRAMES



GW N1 043 XB

MODULAR METAL FRAMES FOR FIXING FRONT CONFIGURATION ELEMENTS

WHITE RAL 9003

| Code | Height (mm) | For back-mounting box | Pack Carton |
|--------------|-------------|-----------------------|-------------|
| GW N1 042 XB | 2100 | GWN1002 | 1 |
| GW N1 043 XB | 2400 | GWN1003 | 1 |

ACCESSORIES SUPPLIED: fixing template.

CHARACTERISTICS: to fix the frame, it is necessary to first install the internal configuration elements: functional frames and kits for specific functions (network cabling).

FRONT CONFIGURATION



GW N1 051 XB

40 MODULE ENCLOSURE WITH DOOR IN SMOKED TRANSPARENT GLASS

FRONT IN WHITE METAL RAL 9003

| Code | Colour | No. of modules EN 50022 | Pack Carton |
|--------------|----------------|-------------------------|-------------|
| GW N1 051 XB | RAL 9003 White | 40 (20x2) | 1 |

CHARACTERISTICS: reversible door in smoked glass; magnet closure; can be fitted with a safety lock GWN1132.

Door opening 170°.

ACCESSORIES SUPPLIED: panel for covering the modular devices, 2 module covering masks (6.5 DIN rail modules) milk white colour.

Panel closure by the tool for board accessibility.



GW N1 062 XB

PANELS WITHOUT WINDOWS WITH DESIGN FINISH IN METAL - WHITE RAL 9003

| Code | Description | Height (mm) | Pack Carton |
|--------------|---------------------------|-------------|-------------|
| GW N1 062 XB | Panel without windows 300 | 300 | 1 |
| GW N1 064 XB | Panel without windows 600 | 600 | 1 |
| GW N1 066 XB | Panel without windows 900 | 900 | 1 |

CHARACTERISTICS: magnet closure; hinged panels with reversible opening to 170°;

NOTES: Panel closure by the tool for board accessibility.



GW N1 071 XB

PANELS WITH WINDOWS WITH METAL FINISH FOR INSTALLATION OF DOMOTICS, ENTRYPHONE AND VIDEO ENTRYPHONE DEVICES - WHITE RAL 9003

| Code | For device | Fixing | Height (mm) | Pack Carton |
|--------------|--|---------------------------|-------------|-------------|
| GW N1 071 XB | Domotics supervision Master ICE 10" | Flush mounting enclosures | 300 | 1 |
| GW N1 072 XB | Domotics supervision Master ICE 15" | Flush mounting enclosures | 600 | 1 |
| GW N1 077 XB | Video entryphone indoor monitor and for domotics supervision (City Vision) | Wall mounting | 300 | 1 |
| GW N1 078 XB | Sena indoor monitor (City Vision) | Flush mounting enclosures | 300 | 1 |

CHARACTERISTICS: magnet closure; hinged panels with reversible opening to 170°. Panel closure by the tool for board accessibility. Panel GWN1077XB makes it possible to also install modular device devices in addition to the specific domotic/video entryphone/burglar alarm device, with a maximum of 40 DIN modules.

APPLICATIONS:

GWN1071XB for device GW12010CB and GW12010CN.

GWN1072XB for devices GW12015CB and GW12015CN.

GWN1077XB for devices Velia GW19216WH and GW19216BK - GW19211WH and GW19211BK, Sena GW19221WH and GW19221BK (in surface-mounting installation), Naxos GW19201WH and GW19201BK, Naxos Combi GW10962WH and GW12962BK, Naxos Domo GW10961WH and GW12961BK and burglar alarm keyboard GW10934.

GWN1078XB for devices Sena GW19221WH and GW19221BK (in flush-mounting installation).



GW N1 101 CF

DOOR IN SMOKED TRANSPARENT GLASS

| Code | Height (mm) | For functional dimensions (mm) | No. of locks that can be installed | Pack Carton |
|--------------|-------------|--------------------------------|------------------------------------|-------------|
| GW N1 101 CF | 1500 | 2100-2400 | 2 | 1 |
| GW N1 111 CF | 1800 | 2100-2400 | 2 | 1 |

CHARACTERISTICS: tempered glass; hinged and reversible door with 170° opening and magnet closure; can be fitted with a safety lock code GWN1132.

NOTES: To foresee 2 blank panels for aesthetic finishing GWN1062XB.



GW N1 101 CP

DOOR AND 2 PANELS WITH MIRROR FINISH

| Code | Door height (mm) | Panel height (mm) | For functional dimensions (mm) | No. of locks that can be installed | Pack Carton |
|--------------|------------------|-------------------|--------------------------------|------------------------------------|-------------|
| GW N1 101 CP | 1500 | 300 | 2100 | 2 | 1 |
| GW N1 111 CP | 1800 | 300 | 2400 | 2 | 1 |

CHARACTERISTICS: hinged and reversible door with 170° opening and magnet closure; can be fitted with a safety lock code GWN1132. door and panels in metal with integral mirror finish on the entire surface.

ACCESSORIES SUPPLIED: 2 panels with mirror finish h = 300 mm.



GW N1 101 XB

METAL DOOR - WHITE RAL 9003

| Code | Height (mm) | For functional dimensions (mm) | No. of locks that can be installed | Pack Carton |
|--------------|-------------|--------------------------------|------------------------------------|-------------|
| GW N1 101 XB | 1500 | 2100-2400 | 2 | 1 |
| GW N1 111 XB | 1800 | 2100-2400 | 2 | 1 |

CHARACTERISTICS: hinged and reversible door with 170° opening and magnet closure; can be fitted with a safety lock code GWN1132.

NOTES: To foresee 2 blank panels for aesthetic finishing GWN1062XB.



GW N1 121 XB

UNDERDOOR PANEL WITH WINDOWS IN WHITE METAL RAL 9003

| Code | Description | No. of modules EN 50022 | Pack Carton |
|--------------|-------------------------------------|-------------------------|-------------|
| GW N1 121 XB | Panel with windows, 2 DIN rail rows | 40 (20x2) | 1 |

NOTES: panel for covering the modular devices.



GW N1 124 XB

UNDERDOOR PANEL WITHOUT WINDOWS IN WHITE METAL RAL 9003

| Code | Description | Height (mm) | Closure | Pack Carton |
|---------------------|------------------------|-------------|-------------|-------------|
| GW N1 124 XB | Removable blank panell | 300 | With screws | 1 |

NOTES: Panel closure via the tool for board accessibility.



GW N1 122 XB

WINDOWED METAL UNDERDOOR FUNCTION PANEL FOR NETWORK ENCLOSURE KIT

| Code | Description | Height (mm) | Pack Carton |
|---------------------|---|-------------|-------------|
| GW N1 122 XB | Removable under door windowed panel for GWN1031 home networking kit | 600 | 1 |

NOTE: panel closure by the tool for board accessibility. The panels can be used in both without door configuration (under the blank metal panles for aesthetic finishing) and with door configuration (as metal underdoor panels).

COMPLEMENTARY ITEMS



GW N1 131

KIT FOR COUPLING METAL BACK-MOUNTING BOXES

| Code | For back-mounting boxes h (mm) | Pack Carton |
|------------------|--------------------------------|-------------|
| GW N1 131 | 2400-2700 | 1 |

APPLICATIONS: for side-by-side installation and alignment of two back-mounting boxes.



GW N1 132

SECURITY LOCK

| Code | Material | Pack Carton |
|------------------|----------|-------------|
| GW N1 132 | Metal | 1 |

APPLICATIONS: for closing doors height h 1500/1800 mm and for enclosure door code GWN1051XB. Lock block to be installed on the metal frame.

ACCESSORIES SUPPLIED: 2 keys.

NOTES: all the keys and relative locks with the same product code are identical.



GW N1 133

CHANNEL CROSSING THE FLOOR SLAB AND BACK-MOUNTING BOX COUPLING DEVICE

| Code | Material | Dimensions LxHxD (mm) | Pack Carton |
|-----------|----------|--------------------------|----------------|
| GW N1 133 | Plastic | 500x550x75 | 1 |

NOTES: to be used to connect the flush-mounting back-mounting boxes between different floors.



GW N1 134

FIXING BRACKET FOR COUPLING THE INTERNET GATEWAY TO THE DIN RAIL

| Code | Description | No. of modules EN 50022 | Pack Carton |
|-----------|---------------------------------------|----------------------------|----------------|
| GW N1 134 | Kit for Internet Gateway installation | 11 | 1 |

NOTES: Internet Gateway code GW90816 to be purchased separately.



GW N1 135

SECURITY LOCK KIT

| Code | Description | Pack Carton |
|-----------|--|----------------|
| GW N1 135 | Safety lock kit for white blind metal panels with finishing design | 1/10 |

CHARACTERISTICS: the kit is supplied with 2 safety closings for the frame with relative fixing screws.

APPLICATIONS: the kit has to be used with metal blank underdoor panels for aesthetic finishing GWN1062XB, GWN1064XB, GWN1066XB to allow the opening only to qualified personnel.



GW N1 141

DIVIDERS

| Code | Type | Fixing | Characteristics | Pack Carton |
|-----------|--------------------|--------------------|--------------------------------|----------------|
| GW N1 141 | Horizontal divider | On internal frames | | 1 |
| GW N1 142 | Vertical divider | On internal frames | 3 overlapping modular elements | 1 |

NOTES: the horizontal divider is used for creating internal separation between circuits of differing voltages on several rows within a single casing.

CHARACTERISTICS: vertical divider to be used for back-mounting boxes GWN1002 and GWN1003. Ideal for the segregation of circuits when using the Domo Center as an upright column. Pre-arrangement of up to 3 installable vertical dividers.



GW 40 467 TB

MODULE COVER PROFILE IN PLASTIC

| Code | Colour | No. of modules EN 50022 | Characteristics | Pack Carton |
|---------------------|------------|----------------------------|-----------------|----------------|
| GW 40 467 TB | Milk white | 6.5 | Halogen free | 50 |

CHARACTERISTICS: clip fixing on the windows of the front. Can be divided into 1/2 module elements, using scissors.

SERVICE COMPLEMENTARY ITEMS FOR HOME NETWORK ENCLOSURES



GW 38 097

DATA EXPANSION KIT

| Code | Description | Pack Carton |
|------------------|--|----------------|
| GW 38 097 | N°1 cable with RJ45 ending plugs + RJ45 panel socket | 1/6 |



GW 38 098

TELEPHONE JACK EXPANSION KIT

| Code | Description | Pack Carton |
|------------------|---|----------------|
| GW 38 098 | RJ11 telephone socket and telephone cable | 1 |

ACCESSORIES SUPPLIED: 1 multiple telephone socket-outlet with 5 RJ11 socket-outlets.



GW 38 099

PLASTIC SUPPORTS EXPANSION KIT

| Code | Description | Pack Carton |
|------------------|---|----------------|
| GW 38 099 | DIN rail plastic support for RJ45 sockets | 1/6 |

Domo Center



SOLUTIONS IN KEEPING WITH THE FURNISHINGS



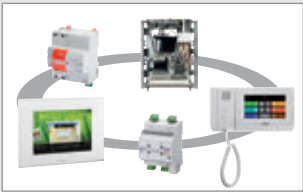
DOMO CENTER transforms domestic systems into furnishing accessories: the suspended effect on the wall, the reduced dimensions, and the personalised design solutions make DOMO CENTER ideal for adding a touch of personality and modernity to every context. Available with or without a door.

MAXIMUM DESIGN INTEGRATION



The version with door and mirrored finish panels ensures elegant design integration even in the most refined contexts, fully covering all the electrical system equipment. A particularly distinguishing solution that adds a touch of elegance and personality to the room.

THE TECHNOLOGICAL HEART OF THE SYSTEM



Thanks to its unequalled modular capacity (320M in the largest version), various systems can be combined in DOMO CENTER: domotic, traditional, devices for surveillance and Home Networking. DOMO CENTER becomes the technological heart of the advanced electrical system.

Technical data and compliance with Standards

| | |
|--|--|
| Regulation: EN 62208 (CEI 17-87); EN 60670-1; EN 60670-24 GP; EN 61439-1. | Impact resistance: IK07* |
| Degree of protection: IP40 | Maximum rated operating voltage (Ue): 690V |
| Protection against indirect contact: metal casing pre-arranged for earth connection | Application: for internal use in masonry or plasterboard walls |
| Rated current: 125A | Installation temperature: min -25°C, max +60°C |
| Material: <ul style="list-style-type: none">- Flush-mounting back-mounting box: sheet metal 15/10, SENDZIMIR type- External parts: sheet metal 12/10 with glossy epoxy-polyester painting | |
| Static loads that can be applied on the back-mounting plates: <ul style="list-style-type: none">- GWN1022 (571x300): 10kg- GWN1024 (571x600): 20kg | |
| Maximum dispersible (**) power in accordance with CEI 23-49 (for installation in masonry and plasterboard walls): <ul style="list-style-type: none">- Columns H2700: 800W- Columns H2400: 700W | |

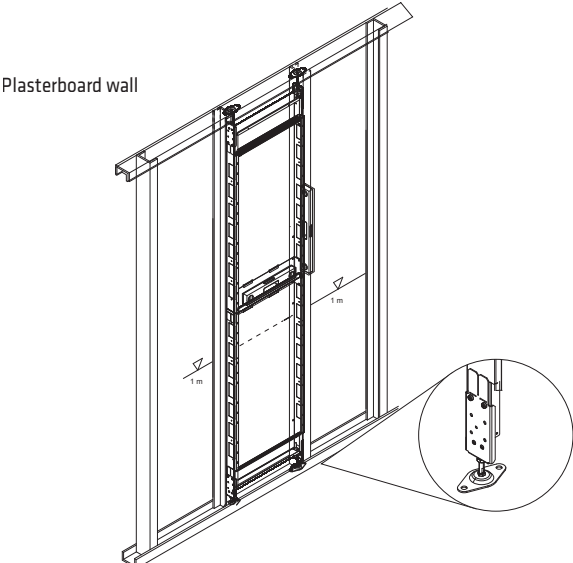
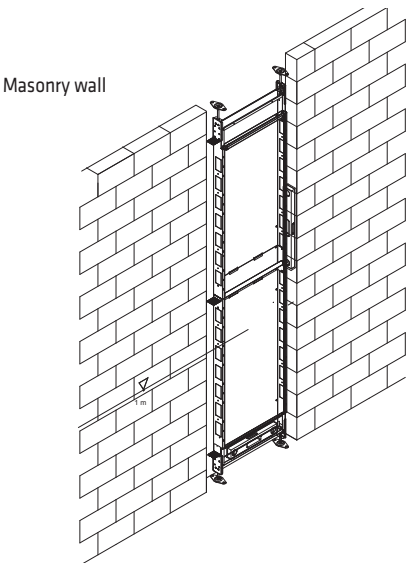
(*) IK07 not applicable in the case of mirror panels and doors. NB: mirror door and panels with high breakage resistance. H-type casing in compliance with EN60670-24, and Ha-type in compliance with IEC60670-24.
(**) The enclosures and boards designed for domestic use or similar must be certified by means of Standard CEI 23-51, using the declared dispersible power values. This power level is determined via tests carried out in accordance with CEI 23-49.

INSTALLATION STEPS

- The implementation of DOMO CENTER is divided into three main steps:
- 1 Installation of the flush-mounting back-mounting box (H2400 or H2700, depending on the height of the room).
 - 2 Internal configuration via the insertion of function frames.
 - 3 External configuration via the choice of the finish elements.

1- INSTALLING THE BACK-MOUNTING BOX

The back-mounting boxes are suitable for installation in masonry walls or plasterboard walls, thanks to the special knock-outs on the sides to facilitate coupling with the metal frame.
The adjustment feet (from 0 to 205mm) on both the upper and lower sides ensure easy fixing and regulation on both the floor and the ceiling (which the back-mounting box is usually attached to). This is possible because the box is self-supporting: the feet have handy seats for holding the wall plugs.
For rooms of a greater height, a specific cross support must be installed for the box.

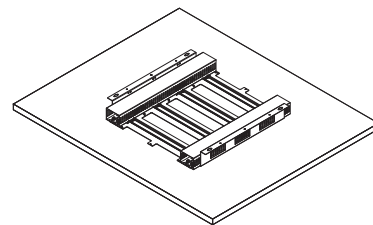


Adjustable feet (from 0 to 205mm), designed to anchor the structure

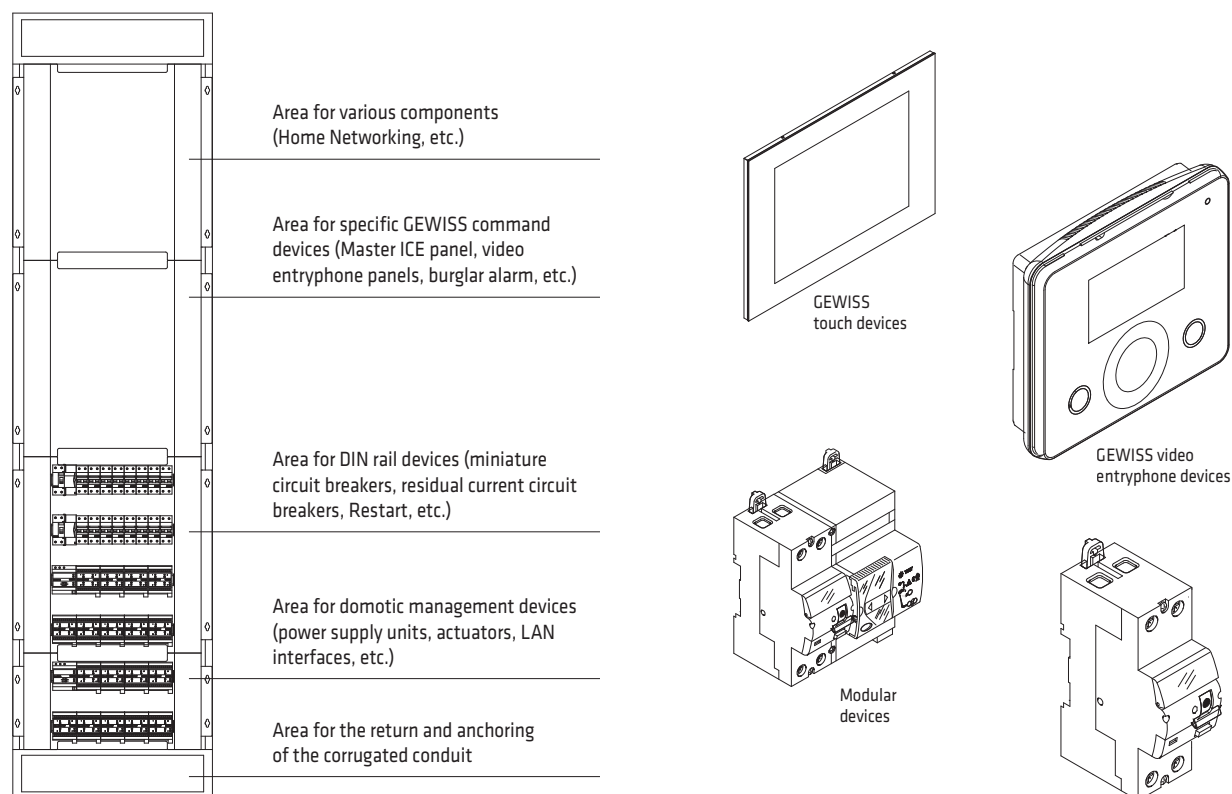
INSTALLATION STEPS

2- INTERNAL CONFIGURATION

Once the back-mounting box has been installed, the devices can be inserted. Thanks to the function frames fitted to the flush-mounting back-mounting box, the wiring can be carried out on the bench and the frames subsequently inserted in the DOMO CENTER.



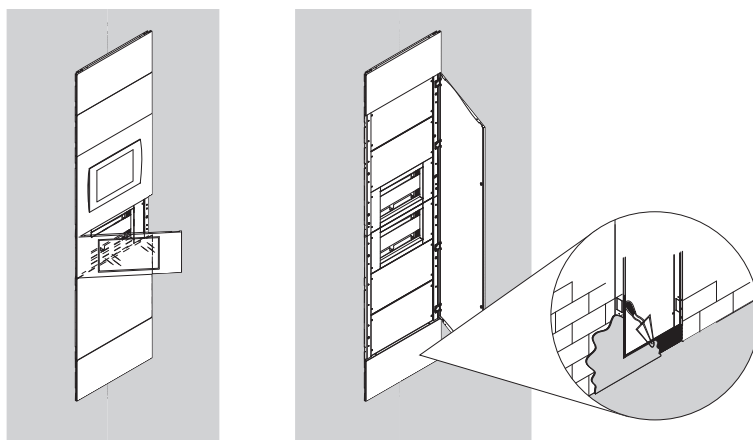
The configuration example below shows the recommended areas for installing the various components that in this case make up the DOMO CENTER column.



NB: the metal material of DOMO CENTER may shield the WI-FI signal. If necessary, you should provide an external access point.

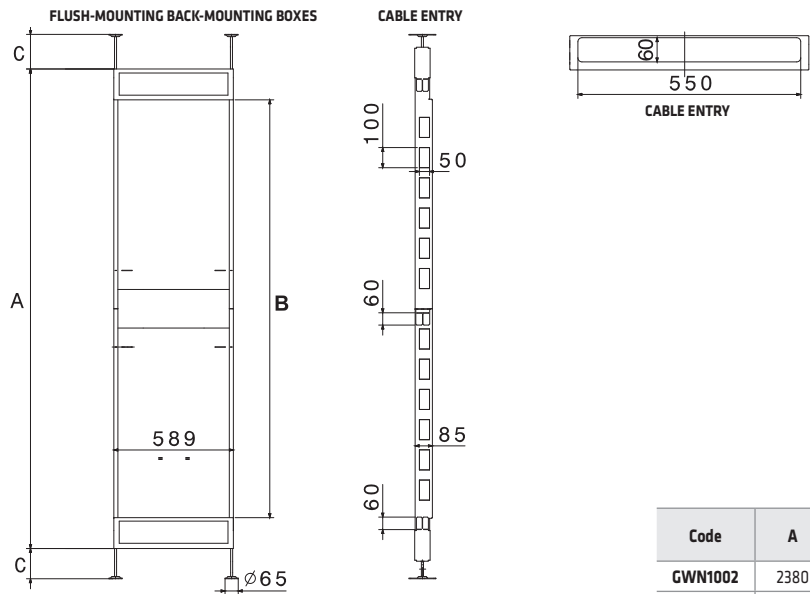
3- FRONT CONFIGURATION

After carrying out all the internal wiring, assemble the finish frame on the back-mounting box and consequently the front configuration elements (depending on whether the system columns are in the version with or without a door). In versions with a door, the specific under-door panels must be fitted.



Buffer panel to create the «suspended» effect

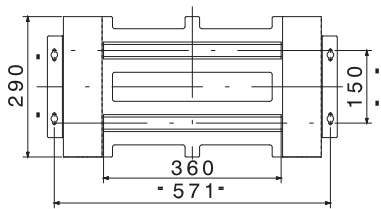
METAL FLUSH-MOUNTING BACK-MOUNTING BOXES - H2400 AND H2700



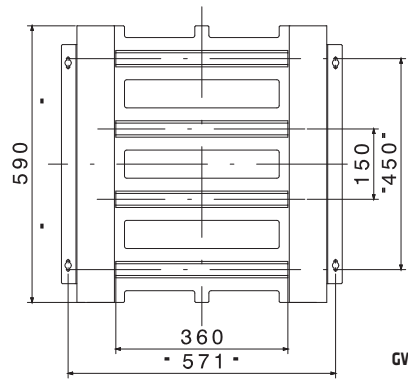
| Code | A | B | C* |
|---------|------|------|-------|
| GWN1002 | 2380 | 2074 | 0÷205 |
| GWN1003 | 2680 | 2374 | |

* The feet can be removed if necessary

METAL FUNCTION FRAMES - FOR MODULAR AND NON-MODULAR DEVICES

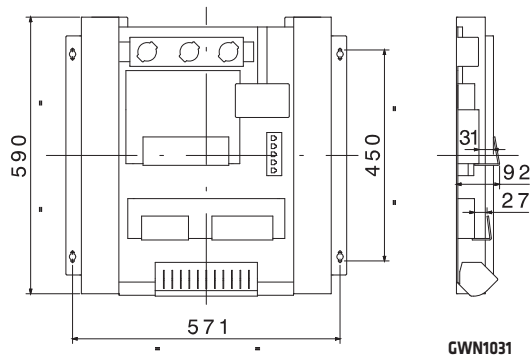


GWN1012 / GWN1022



GWN1014 / GWN1024

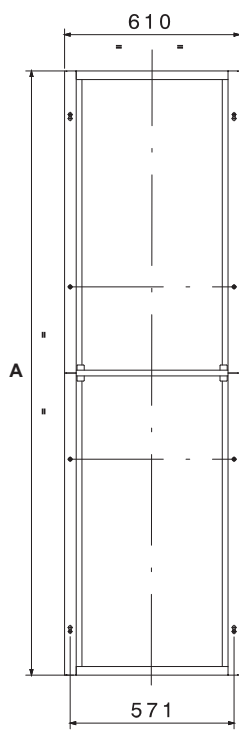
HOME NETWORKING KIT



GWN1031

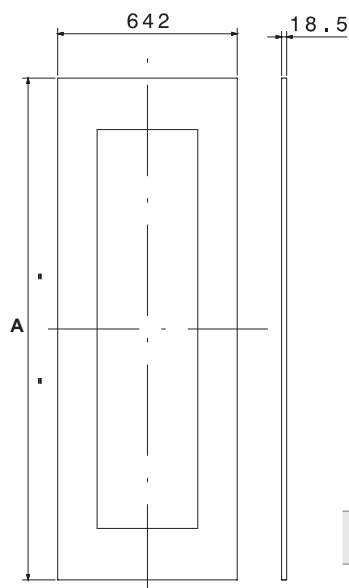
NB: the measurements are in millimetres

METAL FRAME FOR FIXING THE FRONT ELEMENTS



| Code | A |
|-----------|------|
| GWN1042XB | 2103 |
| GWN1043XB | 2403 |

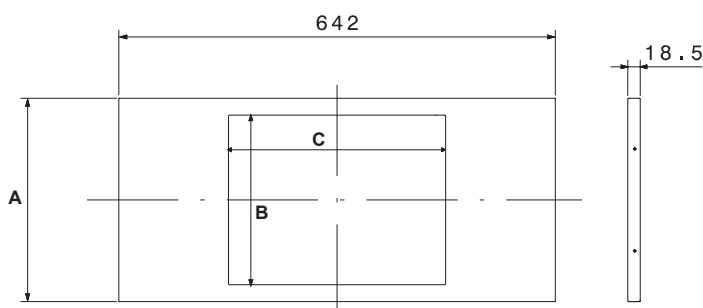
EXTERNAL DOOR - H2400 AND H2700



| Code | A |
|-----------------------|------|
| GWN1101 CF / XB / CP* | 1494 |
| GWN1111 CF / XB / CP* | 1794 |

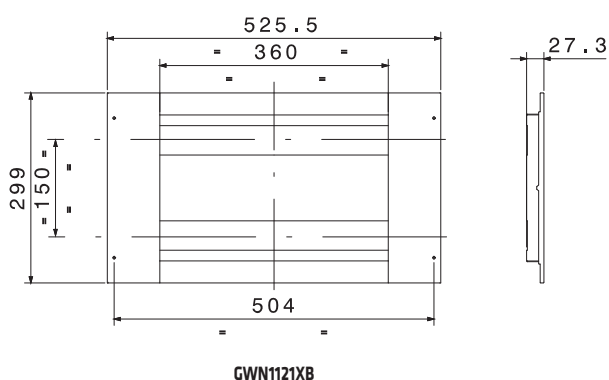
* The CP mirror version is supplied with 2 panels with mirror finish h=300mm

CONTROL UNIT CONFIGURATION PANELS

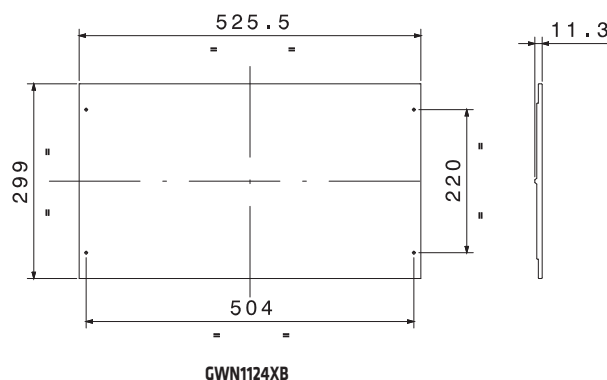


| Code | A | B | C |
|-----------|-----|-------|-------|
| GWN1051XB | 299 | 46 | 360 |
| GWN1062XB | | - | - |
| GWN1071XB | | 249.4 | 319.4 |
| GWN1076XB | | 57.5 | 115.5 |
| GWN1077XB | | 60 | 37 |
| GWN1078XB | | 112.4 | 132.2 |
| GWN1072XB | 599 | 319.4 | 429.4 |
| GWN1064XB | | - | - |
| GWN1066XB | 899 | - | - |

UNDER-DOOR PANEL WITH OR WITHOUT WINDOWS



GWN1121XB



GWN1124XB

NB: the measurements are in millimetres



AUTOMATIC RECLOSING DEVICES

In the event that the automatic circuit breaker trips, the ReStart devices restore the power supply after checking the system status, thereby ensuring continuity of service in complete safety. Available both for residual current circuit breakers and miniature circuit breakers, the Restart range also includes Autotest and PRO versions.



MODULAR CIRCUIT BREAKERS FOR CIRCUIT PROTECTION

The 90 MCB range meets any requirement for protection against overcurrent and short-circuit, for all domestic, commercial and industrial applications. The range consists of MTC (compact miniature circuit breakers), MT (traditional miniature circuit breakers) and MTHP (high performance miniature circuit breakers).



RESIDUAL CURRENT PROTECTION CIRCUIT BREAKERS

The RCD 90 range is ideal for ground fault protection. The range consists of MDC compact miniature circuit breakers, BD and BDHP add-on residual current devices for MT and MTHP circuit breakers and IDP residual current circuit breakers.



MODULAR ACCESSORIES

The 90 AM range, in addition to auxiliaries common for the all circuit breakers, comprises many modular accessories for the protection, command, programming, measurement and signalling in electrical systems.



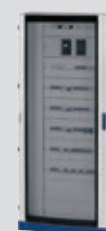
MCCB DEVICES

The Gewiss range of moulded-case protection circuit breakers and control switch disconnectors ensures maximum reliability and safety in every environment. The range includes a wide range of accessories, releases and connection terminals.



DISTRIBUTION BOARDS

The GEWISS metal distribution boards are the best solution for the installation of all modular and moulded-case products. With a design that seamlessly integrates into any environment, these floor and surface-mounting boards provide increased robustness with reduced overall dimensions.



DISTRIBUTION CABINETS

The range of distribution cabinets is composed of a complete and integrated system of electric boards that enable any type of secondary or primary distribution cabinet to be created, using pre-configured structure assembly kit as a base.



Automatic reclosing devices

90 ReStart

RESTART WITH AUTOTEST



RESTART RD FOR RCCB



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RESTART RM FOR RCBO






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RESTART WITH AUTOTEST

Selection tables

Automatic reclosing devices with preventive check of the insulation and automatic test of the residual current circuit breaker.



| | COUPLED VERSIONS WITH RCCB'S | | | |
|--------|---|---|---|--------------|
| | ATR2 - 2 poles | | ATR4 - 4 poles | |
| | 5 mod. | | 7 mod. | |
| |  |  |  | |
| | IΔn = 30 mA | | IΔn = 30 mA | IΔn = 300 mA |
| In (A) | A[IR] type | A[IR] - PRO type | A[IR] - PRO type | |
| 25 | GW 90 901 N | GW 90 911 | GW 90 921 | GW 90 927 |
| 40 | GW 90 902 N | GW 90 912 | GW 90 922 | GW 90 928 |
| 63 | - | GW 90 913 | GW 90 923 | GW 90 929 |







NOTE: ARD must be supplied with 230 V AC phase-neutral for working.

RESTART RD

Selection tables

Automatic reclosing devices with preventive check of the insulation

| | COUPLED VERSIONS WITH RCCB'S IDP | |
|--------|---|---|
| | RD2 - 2 poles | RD2 - 2 poles, PRO version |
| | 3 mod. | |
| |  |  |
| | IΔn = 30 mA | |
| In (A) | A type | |
| 25 | GW D4 817 R | GW D4 817 P |
| 40 | GW D4 827 R | GW D4 827 P |

| | | VERSIONS TO BE COUPLED WITH RCCB'S IDP | | | | | | | | |
|-----|-------|---|--|---|--------------|--------------------------|---|--------------------------|---|--------------|
| | | RD2 - 2 poles | RD2 - 2 poles, PRO version | | | | RD4 - 4 poles, PRO version | | | |
| | |  |  | | | |  | | | |
| | | GW D0 971 | GW D0 976 | GW D0 978 | | | GW 90 967 | GW 90 969 | | |
| | | 1 mod. | 1 mod. | | | | 3 mod. | | | |
| | | + | + | + | | | + | + | | |
| | | RCCB'S IDP 2P | | | | | RCCB'S IDP 4P | | | |
| | | 2 mod. | | | | | 4 mod. | | | |
| | |  | |  | | |  | |  | |
| | | In (A) | Type | IΔn = 30 mA | IΔn = 100 mA | IΔn = 300 mA | IΔn = 500 mA | IΔn = 30 mA | IΔn = 100 mA | IΔn = 300 mA |
| 25 | AC | GW D4 002 GW D4 617* | GW D4 003 | GW D4 004 | - | GW D4 102 GW D4 302** | GW D4 103 | GW D4 104 GW D4 304** | - | |
| | A | GW D4 012 GW D4 817* | GW D4 013 | GW D4 014 | - | GW D4 112 GW D4 312** | GW D4 113 | GW D4 114 GW D4 314** | - | |
| | A[IR] | GW D4 202 | - | - | - | GW D4 217 GW D4 317** | - | GW D4 218 | - | |
| 40 | AC | GW D4 022 GW D4 627* | GW D4 023 | GW D4 024 | GW D4 025 | GW D4 122 GW D4 322** | GW D4 123 | GW D4 124 GW D4 324** | GW D4 125 | |
| | A | GW D4 032 GW D4 827* | GW D4 033 | GW D4 034 | GW D4 035 | GW D4 132 GW D4 332** | GW D4 133 | GW D4 134 GW D4 334** | GW D4 135 | |
| | A[IR] | GW D4 205 | - | - | - | GW D4 220 GW D4 337** | - | GW D4 221 | - | |
| | A[S] | - | - | GW D4 234 | GW D4 235 | - | - | GW D4 249 | GW D4 250 | |
| 63 | AC | GW D4 042 | GW D4 043 | GW D4 044 | GW D4 045 | GW D4 142 GW D4 342** | GW D4 143 | GW D4 144 GW D4 344** | GW D4 145 | |
| | A | GW D4 052 | GW D4 053 | GW D4 054 | GW D4 055 | GW D4 152 GW D4 352** | GW D4 153 | GW D4 154 GW D4 354** | GW D4 155 | |
| | A[IR] | GW D4 208 | - | - | - | GW D4 223 GW D4 357** | - | GW D4 224 | - | |
| | A[S] | - | - | GW D4 237 | GW D4 238 | - | - | GW D4 252 | GW D4 253 | |
| 80 | AC | GW D4 062 | GW D4 063 | GW D4 064 | - | GW D4 162 GW D4 362** | GW D4 163 | GW D4 164 GW D4 364** | - | |
| | A | GW D4 072 | GW D4 073 | GW D4 074 | - | GW D4 172 | GW D4 173 | GW D4 174 | - | |
| | A[S] | - | - | GW D4 240 | - | - | - | GW D4 255 | - | |
| 100 | AC | GW D4 082 | | GW D4 084 | - | GW D4 182 GW D4 382** | GW D4 183 | GW D4 184 GW D4 384** | GW D4 185 | |
| | A | GW D4 092 | GW D4 093 | GW D4 094 | - | GW D4 192 | GW D4 193 | GW D4 194 | GW D4 195 | |
| | A[IR] | GW D4 211 | - | - | - | GW D4 226 | - | GW 94 227 | - | |
| | A[S] | - | - | GW D4 243 | GW D4 244 | - | - | GW D4 258 | GW D4 259 | |

NOTE ARD must be supplied with 230 V AC phase-neutral for working GW90967 and GW90969 ARDs can be coupled with RCCB's IDP 2 poles

* Accessories not available



**RCCB with Neutral on the left





90 ReStart

RESTART RM

Selection tables

Automatic reclosing devices with preventive check of the insulation and of the short circuit





| | | | COUPLED VERSIONS WITH RCBO'S MDC | |
|---------|-------|--------|---|---|
| | | | RM2 - 2 poles | RM2 - 2 poles, PRO version |
| | | | 3 mod. | |
| | | |  |  |
| | | | IΔn = 30 mA | |
| Icn (A) | Curve | In (A) | A type | |
| 4500 | C | 16 | GW D4 227 R | GW D4 227 P |
| | | 25 | GW D4 229 R | GW D4 229 P |

| VERSIONS TO BE COUPLED WITH RCBO'S MDC 2 POLES | | | | | | | | | | | | | |
|--|-------|--------|--|---|-----------|---|-----------|---|-----------|-----------|-----------|-----------|-----------|
| | | | | RM2 - 2 poles | | RM2 - 2 poles, PRO version | | | | | | | |
| | | | |  | |  | | | | | | | |
| | | | | GW D0 991 | | GW D0 996 | | GW D0 998 | | | | | |
| | | | | 1 mod. | | 1 mod. | | | | | | | |
| | | | | + | | + | | + | | | | | |
| RCBO'S MDC 1P+N, 2P | | | | | | | | | | | | | |
| 2 mod. | | | | | | | | | | | | | |
| | | | |  | | | |  | | | | | |
| | | | | IΔn = 30 mA | | | | IΔn = 300 mA | | | | | |
| | | | | AC type | | A type | | A[IR] type | AC type | | A type | | A[S] type |
| Icn (A) | Curve | In (A) | | 1P+N | 2P | 1P+N | 2P | 2P | 1P+N | 2P | 1P+N | 2P | 2P |
| 4500 | C | 6 | | GW 94 005 | GW 94 025 | GW 94 205 | GW 94 225 | - | GW 94 015 | GW 94 035 | GW 94 215 | GW 94 235 | - |
| | | 10 | | GW 94 006 | GW 94 026 | GW 94 206 | GW 94 226 | - | GW 94 016 | GW 94 036 | GW 94 216 | GW 94 236 | - |
| | | 13 | | GW 94 011 | GW 94 031 | GW 94 211 | GW 94 231 | - | - | - | - | - | - |
| | | 16 | | GW 94 007 | GW 94 027 | GW 94 207 | GW 94 227 | - | GW 94 017 | GW 94 037 | GW 94 217 | GW 94 237 | - |
| | | 20 | | GW 94 008 | GW 94 028 | GW 94 208 | GW 94 228 | - | GW 94 018 | GW 94 038 | GW 94 218 | GW 94 238 | - |
| | | 25 | | GW 94 009 | GW 94 029 | GW 94 209 | GW 94 229 | - | GW 94 019 | GW 94 039 | GW 94 219 | GW 94 239 | - |
| | | 32 | | GW 94 010 | GW 94 030 | GW 94 210 | GW 94 230 | - | GW 94 020 | GW 94 040 | GW 94 220 | GW 94 240 | - |
| 6000 | C | 6 | | GW 94 105 | GW 94 125 | GW 94 305 | GW 94 325 | GW 95 805 | GW 94 115 | GW 94 135 | GW 94 315 | GW 94 335 | - |
| | | 10 | | GW 94 106 | GW 94 126 | GW 94 306 | GW 94 326 | GW 95 806 | GW 94 116 | GW 94 136 | GW 94 316 | GW 94 336 | - |
| | | 13 | | GW 94 111 | GW 94 131 | GW 94 311 | GW 94 331 | GW 95 811 | - | - | - | - | - |
| | | 16 | | GW 94 107 | GW 94 127 | GW 94 307 | GW 94 327 | GW 95 807 | GW 94 117 | GW 94 137 | GW 94 317 | GW 94 337 | GW 95 847 |
| | | 20 | | GW 94 108 | GW 94 128 | GW 94 308 | GW 94 328 | GW 95 808 | GW 94 118 | GW 94 138 | GW 94 318 | GW 94 338 | GW 95 848 |
| | | 25 | | GW 94 109 | GW 94 129 | GW 94 309 | GW 94 329 | GW 95 809 | GW 94 119 | GW 94 139 | GW 94 319 | GW 94 339 | GW 95 849 |
| | | 32 | | GW 94 110 | GW 94 130 | GW 94 310 | GW 94 330 | GW 95 810 | GW 94 120 | GW 94 140 | GW 94 320 | GW 94 340 | GW 95 850 |
| | B | 6 | | - | - | GW 95 105 | GW 95 125 | - | - | - | GW 95 115 | GW 95 135 | - |
| | | 10 | | - | - | GW 95 106 | GW 95 126 | - | - | - | GW 95 116 | GW 95 136 | - |
| | | 13 | | - | - | GW 95 111 | GW 95 131 | - | - | - | - | - | - |
| | | 16 | | - | - | GW 95 107 | GW 95 127 | - | - | - | GW 95 117 | GW 95 137 | - |
| | | 20 | | - | - | GW 95 108 | GW 95 128 | - | - | - | GW 95 118 | GW 95 138 | - |
| | | 25 | | - | - | GW 95 109 | GW 95 129 | - | - | - | GW 95 119 | GW 95 139 | - |
| | | 32 | | - | - | GW 95 110 | GW 95 130 | - | - | - | GW 95 120 | GW 95 140 | - |

NOTE: ARD must be supplied with 230 V AC phase-neutral for working.

Selection tables

Automatic reclosing devices with preventive check of the insulation and of the short circuit

| VERSIONS TO BE COUPLED WITH RCBO'S MDC 4 POLES | | | | | | | | |
|--|-------|--------|---|-----------|-------------|---|-----------|-----------|
| RM4 - 4 poles, PRO version | | | | | | | | |
| | | |  | | |  | | |
| | | | GW 90 986 | | | GW 90 988 | | |
| | | | 3 mod. | | | 3 mod. | | |
| | | | + | | | + | | |
| RCBO'S MDC 4P | | | | | | | | |
| | | | 4 mod. | | | 4 mod. | | |
| | | |  | | |  | | |
| | | | IΔn = 30 mA | | | IΔn = 300 mA | | |
| Icn (A) | Curve | In (A) | AC type | A type | A[I/R] type | AC type | A type | A[S] type |
| 4500 | C | 6 | GW 94 065 | GW 94 265 | - | GW 94 075 | GW 94 275 | - |
| | | 10 | GW 94 066 | GW 94 266 | - | GW 94 076 | GW 94 276 | - |
| | | 13 | GW 94 071 | GW 94 271 | - | - | - | - |
| | | 16 | GW 94 067 | GW 94 267 | - | GW 94 077 | GW 94 277 | - |
| | | 20 | GW 94 068 | GW 94 268 | - | GW 94 078 | GW 94 278 | - |
| | | 25 | GW 94 069 | GW 94 269 | - | GW 94 079 | GW 94 279 | - |
| | | 32 | GW 94 070 | GW 94 270 | - | GW 94 080 | GW 94 280 | - |
| 6000 | C | 6 | GW 94 165 | GW 94 365 | GW 95 815 | GW 94 175 | GW 94 375 | - |
| | | 10 | GW 94 166 | GW 94 366 | GW 95 816 | GW 94 176 | GW 94 376 | - |
| | | 13 | GW 94 171 | GW 94 371 | GW 95 821 | - | - | - |
| | | 16 | GW 94 167 | GW 94 367 | GW 95 817 | GW 94 177 | GW 94 377 | GW 95 857 |
| | | 20 | GW 94 168 | GW 94 368 | GW 95 818 | GW 94 178 | GW 94 378 | GW 95 858 |
| | | 25 | GW 94 169 | GW 94 369 | GW 95 819 | GW 94 179 | GW 94 379 | GW 95 859 |
| | | 32 | GW 94 170 | GW 94 370 | GW 95 820 | GW 94 180 | GW 94 380 | GW 95 860 |
| | B | 6 | - | GW 95 165 | - | - | GW 95 175 | - |
| | | 10 | - | GW 95 166 | - | - | GW 95 176 | - |
| | | 13 | - | GW 95 171 | - | - | - | - |
| | | 16 | - | GW 95 167 | - | - | GW 95 177 | - |
| | | 20 | - | GW 95 168 | - | - | GW 95 178 | - |
| | | 25 | - | GW 95 169 | - | - | GW 95 179 | - |
| | | 32 | - | GW 95 170 | - | - | GW 95 180 | - |




NOTE: they are also compatible with RCBO's 1P+N and 2 poles (MDC 1P+N e 2P).

ARD must be supplied with 230 V AC phase-neutral for working.

RESTART RM TOP

Selection tables




Adjustable reclosing device with/without preventive check of the insulation and/or short-circuits.

| VERSION TO BE COUPLED WITH MCB'S AND ADD-ON RCD'S 4 POLES | | | | | |
|---|----------|--------------|---------------|---------------|-----------|
|  | | | | | |
| GW 90 893 | | | | | |
| 4 mod. | | | | | |
| + | | | | | |
| MCB'S MT 4 POLES | | | | | |
| 4 mod. | | | | | |
|  | | | | | |
| Curve | In (A) | Icn = 6000 A | Icn = 10000 A | Icn = 25000 A | |
| C | 1 | GW 92 081 | - | - | |
| | 2 | GW 92 082 | - | - | |
| | 3 | GW 92 083 | - | - | |
| | 4 | GW 92 084 | - | - | |
| | 6 | GW 92 085 | GW 92 685 | GW 92 885 | |
| | 10 | GW 92 086 | GW 92 686 | GW 92 886 | |
| | 13 | GW 92 094 | GW 92 694 | - | |
| | 16 | GW 92 087 | GW 92 687 | GW 92 887 | |
| | 20 | GW 92 088 | GW 92 688 | GW 92 888 | |
| | 25 | GW 92 089 | GW 92 689 | GW 92 889 | |
| | 32 | GW 92 090 | GW 92 690 | GW 92 890 | |
| | 40 | GW 92 091 | GW 92 691 | GW 92 891 | |
| | 50 | GW 92 092 | GW 92 692 | GW 92 892 | |
| | 63 | GW 92 093 | GW 92 693 | GW 92 893 | |
| B | 6 | GW 92 285 | GW 92 585 | - | |
| | 10 | GW 92 286 | GW 92 586 | - | |
| | 13 | GW 92 294 | GW 92 587 | - | |
| | 16 | GW 92 287 | GW 92 588 | - | |
| | 20 | GW 92 288 | GW 92 589 | - | |
| | 25 | GW 92 289 | GW 92 590 | - | |
| | 32 | GW 92 290 | GW 92 591 | - | |
| | 40 | GW 92 291 | GW 92 592 | - | |
| | 50 | GW 92 292 | GW 92 593 | - | |
| | 63 | GW 92 293 | GW 92 594 | - | |
| D | 1 | - | GW 92 781 | - | |
| | 2 | - | GW 92 782 | - | |
| | 3 | - | GW 92 783 | - | |
| | 4 | - | GW 92 784 | - | |
| | 6 | GW 92 485 | GW 92 785 | - | |
| | 10 | GW 92 486 | GW 92 786 | - | |
| | 13 | GW 92 494 | GW 92 794 | - | |
| | 16 | GW 92 487 | GW 92 787 | - | |
| | 20 | GW 92 488 | GW 92 788 | - | |
| | 25 | GW 92 489 | GW 92 789 | - | |
| | 32 | GW 92 490 | GW 92 790 | - | |
| | 40 | GW 92 491 | GW 92 791 | - | |
| + | | | | | |
| ADD-ON RESIDUAL CURRENT DEVICES BD 4 POLES | | | | | |
| 3,5 mod. | | | | | |
|  | | | | | |
| In (A) | IΔn (mA) | AC type | A type | A[IR] type | A[S] type |
| ≤25 | 30 | GW 94 422 | GW 94 522 | - | - |
| | 300 | GW 94 423 | GW 94 523 | - | - |
| | 500 | GW 94 424 | GW 94 524 | - | - |
| ≤63 | 30 | GW 94 432 | GW 94 532 | GW 94 586 | - |
| | 300 | GW 94 433 | GW 94 533 | - | GW 94 583 |
| | 500 | GW 94 434 | GW 94 534 | - | - |
| | 1000 | - | - | - | GW 94 585 |

NOTE: they are also compatible with MCB's MTC, RCBO's MDC, MCB's MT and with Add-on RCD's BD 1P+N, 2 e 3 poles.
ARD must be supplied with 230 V AC phase-neutral for working.

RESTART WITH AUTOTEST

Technical data

| TYPE | ReStart with Autotest 2P | ReStart with Autotest PRO 2P | ReStart with Autotest PRO 4P |
|---|---|---|---|
| |  |  |  |
| Electrical characteristics | | | |
| Standards: | EN 50557, EN 61008-1 | | |
| Distribution system: | TT - TN-S | | |
| Rated operational voltage (Ue): | (V) | 230 AC ⁽¹⁾ | 400 AC |
| Minimum operating voltage (min Ue): | (V) | 85% Ue | |
| Maximum operating voltage (max Ue): | (V) | 110% Ue | |
| Rated insulation voltage (Ui): | (V) | 500 | |
| Dielectric strength test voltage between pole and earth: | (V) | 2500 AC for 1 minute | |
| Rated impulse withstand voltage (Uimp): | (kV) | 4 | |
| Overvoltage category: | | III | |
| Rated frequency: | (Hz) | 50 | |
| Residual making and breaking capacity (IΔm): | (A) | 630 | |
| Rated conditional residual short-circuit current with fuse (IΔc): | (A) | 10000 (gL 63A) for In=25-40A 10000 (gL 80A) for In=63A | |
| Number of poles: | | 2 | 4 |
| Type of associated residual current circuit breaker: | | A[IR] | |
| Rated current (In): | (A) | 25 - 40 | 25 - 40 - 63 |
| Rated residual operating current (IΔn): | (mA) | 30 | 30 - 300 |
| Rated non-operating resistance between live parts and earth (Rdo): | (kΩ) | 20 | 8 (30mA) - 2.5 (300mA) |
| Rated operating resistance between live parts and earth (Rd): | (kΩ) | 70 | 16 (30mA) - 5 (300mA) |
| Power loss at In: | (W) | 2.2 (25A) - 5.4 (40A) - 6.2 (63A) | 3.5 (25A) - 6 (40A) - 12 (63A) |
| Off-load absorbed power: | (VA) | 4 (cosφ=0.2) | |
| Power absorbed during automatic reclosing: | (VA) | 41 (cosφ=0.5) | |
| Power supply: | | from above | |
| Mechanical characteristics | | | |
| Width in DIN modules: | | 5 | 7 |
| Reclosing time: | (s) | 10 | |
| Autotest cycle time: | (s) | 7 | |
| Maximum operational frequency: | (oper./h) | 30 | |
| Max mechanical endurance (total no. operations): | | 4000 | |
| Maximum no. of consecutive automatic reclosure operations (2): | | 3 | |
| Counter reset time no. of consecutive automatic reclosure operations: | (s) | 60 | |
| Section of circuit breaker terminals: | (mm²) | flexible cable: ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 rigid cable: ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | |
| Rated tightening torque: | (Nm) | 2 | |
| Mounting position: | | any | |
| Degree of protection: | | IP20 (terminals) - IP40 (front) | |
| Pollution degree: | | 2 | |
| Operating temperature: | (°C) | -25 +40 | -25 +60 ⁽³⁾ |
| Stocking temperature: | (°C) | -40 +70 | |
| Tropicalization: | | 55°C - RH 95% | |
| Auxiliary contact characteristics | | | |
| Type of contact: | | Photomos (potential free contact) | |
| Operating voltage: | (V) | 5-230 AC/DC | |
| Operating current: | (mA) | 0,6 (min) - 100 cosφ=1 (max) | |
| Operating frequency: | (Hz) | 50 | |
| Category of use: | | AC12 | |
| Operating mode: | | NO / NC / NC + impulse ⁽⁴⁾ | |
| Terminal section: | (mm²) | ≤ 2.5 | |
| Rated tightening torque: | (Nm) | 0.4 | |
| Autotest function | | | |
| Regular and automatic RCCB test: | | • | • |
| Light signalling for autotest cycle in progress: | | • | • |
| Light signalling for any device anomaly: | | • | • |
| ReStart function | | | |
| Automatic reclosure for untimely tripping: | | • | • |
| Earth leakage check: | | • | • |
| Continuous system check: | | • | • |
| Interruption of reclosure operation in the event of a fault: | | • | • |
| Signalling of reclosure operation in progress: | | • | • |
| Light signalling of failure: | | • | • |
| Activation / exclusion of ReStart function: | | • | • |
| Auxiliary contact for remote operating status access: | | • | • |
| Internal electrical protection: | PTC | PTC | PTC |

⁽¹⁾ Power supply 230V phase-neutral

⁽²⁾ In the absence of a system fault




⁽³⁾ Average daily temperature ≤ +35°C

⁽⁴⁾ Choosing NC + impulse option, auxiliary contact switches for 100ms at the end of each cycle of Autotest carried out successfully.

90 ReStart

RESTART RD

Technical data

| TYPE | ReStart Rd 2P | ReStart Rd PRO 2P | ReStart Rd PRO 4P | |
|--|---|---|---|-----------------------------------|
| |  |  |  | |
| Electrical characteristics | | | | |
| Standards: | EN 50557 | | | |
| Distribution system: | TT - TN-S | | | |
| Rated operational voltage (Ue): | (V) | 230 AC ⁽¹⁾ | | |
| Minimum operating voltage (min Ue) | (V) | 85% Ue | | |
| Maximum operating voltage (max Ue): | (V) | 110% Ue | | |
| Rated insulation voltage (Ui): | (V) | 500 | | |
| Dielectric strength test voltage between pole and earth: | (V) | 2500 AC for 1 minute | | |
| Rated impulse withstand voltage (Uimp): | (kV) | 4 | | |
| Overvoltage category: | | III | | |
| Rated frequency: | (Hz) | 50 | | |
| Residual making and breaking capacity (IΔm): | (A) | IΔm of the associated circuit breaker | | |
| Rated conditional residual short-circuit current with fuse (IΔc): | (A) | IΔc of the associated circuit breaker | | |
| Number of poles: | | 2 | 4 | |
| Type of IDP RCCB: | | AC - A - A[IR] - A[S] | | |
| Rated current (In): | (A) | 25 - 40 - 63 - 80 - 100 | | |
| Rated residual operating current (IΔn): | (mA) | 30 - 100 - 300 - 500 | | |
| Rated non-operating resistance between live parts and earth (Rdo): | (kΩ) | 8 (30mA) - 2,5 (100/300/500mA) | | |
| Rated operating resistance between live parts and earth (Rd): | (kΩ) | 16 (30mA) - 5 (100/300/500mA) | | |
| Power loss at In: | (W) | Power loss of the associated circuit breaker | | |
| Off-load absorbed power: | (VA) | 3 (cosφ=0.4) | 4 (cosφ=0.2) | |
| Power absorbed during automatic reclosing: | (VA) | 18 (cosφ=0.5) | 45 (cosφ=0.5) | |
| Mechanical characteristics | | | | |
| Width in DIN modules: | | 1 | 3 | |
| Reclosing time: | (s) | 10 | | |
| Maximum operational frequency: | (oper./h) | 30 | | |
| Max mechanical endurance (total no. operations): | | 4000 | | |
| Maximum no. of consecutive automatic reclosure operations ⁽²⁾ : | | 3 | | |
| Counter reset time no. of consecutive automatic reclosure operations: | (s) | 60 | | |
| Section of circuit breaker terminals: | (mm²) | flexible cable: ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 rigid cable: ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | |
| Circuit breaker rated tightening torque: | (Nm) | 3 (IDP) - 2 (IDP NA) | | |
| Mounting position: | | any | | |
| Circuit breaker degree of protection: | | IP20 (terminals) - IP40 (front) | | |
| Pollution degree: | | 2 | | |
| Operating temperature: | (°C) | -5 +40 | -5 +60 ⁽³⁾ | -25 +60 ⁽³⁾ |
| Stocking temperature: | (°C) | -40 +70 | | |
| Tropicalization: | | 55°C - RH 95% | | |
| Auxiliary contact characteristics | | | | |
| Can be fitted with auxiliary: | | no | yes (with GWD0951) | already integrated in the ReStart |
| Type of contact: | | - | Photomos (potential free contact) | |
| Operating voltage: | (V) | - | 5-230 AC/DC | |
| Operating current: | (mA) | - | 0,6 (min) - 100 cosφ=1 (max) | |
| Operating frequency: | (Hz) | - | 50 | |
| Category of use: | | - | AC12 | |
| Operating mode: | | - | NO\NC\NO as signal of handle position | |
| Terminal section: | (mm²) | - | ≤ 2.5 | |
| Rated tightening torque: | (Nm) | - | 0.4 | |
| ReStart function | | | | |
| Automatic reclosure for untimely tripping: | | • | • | • |
| Earth failure test: | | • | • | • |
| Earth leakage check: | | | • | • |
| Interruption of reclosure operation in the event of a fault: | | • | • | • |
| Signalling of reclosure operation in progress: | | • | • | • |
| Light signalling of failure: | | • | • | • |
| Activation / exclusion of ReStart function: | | • | • | • |
| Auxiliary contact for remote operating status access: | | | • | • |
| Internal electrical protection: | | PTC | PTC | PTC |






⁽¹⁾ Power supply 230V phase-neutral

⁽²⁾ In the absence of a system fault

⁽³⁾ Average daily temperature ≤ +35°C

RESTART RM

Technical data

| TYPE | ReStart Rm 2P | ReStart Rm PRO 2P | ReStart Rm PRO 4P | Rm TOP | | CM |
|---|---|---|--|---|---|---|
| |  |  |  |  |  | |
| Electrical characteristics | | | | | | |
| Standards: | EN 50557 | | | - | | - |
| Distribution system: | TT - TN-S | | | TT - TN - IT ⁽¹⁾ | | TT-TN-IT |
| Rated operational voltage (U _e): | (V) | 230 AC ⁽²⁾ | | | | |
| Minimum operating voltage (min U _e): | (V) | 85% U _e | | | | |
| Maximum operating voltage (max U _e): | (V) | 110% U _e | | | | |
| Rated insulation voltage (U _i): | (V) | 500 | | | | |
| Dielectric strength test voltage between pole and earth: | (V) | 2500 AC for 1 minute | | | | |
| Rated impulse withstand voltage (U _{imp}): | (kV) | 4 | | | | |
| Overvoltage category: | | III | | | | |
| Rated frequency: | (Hz) | 50 | | | | |
| Residual making and breaking capacity (I _{Δm}): | (A) | I _{Δm} of the associated circuit breaker | | | | |
| Number of poles: | | 2 | | 4 | | |
| Type of MDC RCBO: | | AC - A - A[IR] - A[S] | | | | |
| Type of MT+BD RCBO: | | - | | | AC - A - A[IR] - A[S] | |
| Rated current (I _n): | (A) | from 6 to 32 | | | from 1 to 63 | |
| Rated residual operating current (I _{Δn}): | (mA) | 30 - 300 | | | 30 - 300 - 500 - 1000 | |
| Rated non-operating resistance between live parts and earth (R _{do}): | (kΩ) | 8 (30mA) - 2.5 (300mA) | | | 8 (30mA) - 2.5 (300/500/1000mA) | |
| Rated operating resistance between live parts and earth (R _d): | (kΩ) | 16 (30mA) - 5 (300mA) | | | 16 (30mA) - 5 (300/500/1000mA) | |
| Rated non-operating resistance between live parts (R _{cco}): | (Ω) | 0.4 | | | 0.3 | |
| Rated operating resistance between live parts (R _{cc}): | (Ω) | 2.3 | | | 1.8 | |
| Power loss at I _n : | (W) | Power loss of the associated circuit breaker | | | | |
| Off-load absorbed power: | (VA) | 3 (cosφ=0.4) | | 16 (cosφ=0.2) | 15 (cosφ=0.1) | 0 (cosφ=0.2) |
| Power absorbed during automatic reclosing: | (VA) | 18 (cosφ=0.5) | | 34 (cosφ=0.7) | 30 (cosφ=0.6) | 30 (cosφ=0.6) |
| Reclosing control: | | automatic | | | automatic / remote ⁽³⁾ | |
| Mechanical characteristics | | | | | | |
| Width in DIN modules: | | 1 | 3 | 4 | 2 | |
| Reclosing time: | (s) | 10 | | | 3 (without system test) 10 (with system test) | 3 |
| Remote control opening time: | (s) | - | | | 2 | |
| Maximum operational frequency: | (oper./h) | 30 | | | | |
| Max mechanical endurance (total no. operations): | | 4000 | | | 10000 | |
| Maximum no. of consecutive automatic reclosure operations ⁽⁴⁾ : | | 3 | | | | |
| Counter reset time | (s) | 60 | | | | |
| no. of consecutive automatic reclosure operations: | | | | | | |
| Section of circuit breaker terminals: | (mm ²) | flexible cable: ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 rigid cable: ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | | |
| Rated tightening torque: | (Nm) | 2 | | | | |
| Mounting position: | | any | | | | |
| Degree of protection: | | IP20 (terminals) - IP40 (front) | | | | |
| Pollution degree: | | 2 | | | | |
| Operating temperature: | (°C) | -5 +40 | -5 +60 ⁽⁵⁾ | -40 +70 | -25 +60 ⁽⁵⁾ | |
| Stocking temperature: | (°C) | | | | | |
| Tropicalization: | | 55°C - RH 95% | | | | |
| Auxiliary contact characteristics | | | | | | |
| Can be fitted with auxiliary: | | no | yes (with GWD0951) | already integrated in the ReStart | already integrated in the ReStart | already integrated in the ReStart |
| Type of contact: | | - | Photomos (potential free contact) | | Changeover | Photomos (potential free contact) Changeover |
| Operating voltage: | (V) | - | 5-230 AC/DC | | 230 AC/ 30 DC | 230 AC/ 30 DC |
| Operating current: | (mA) | - | 0,6 (min) - 100 cosφ=1 (max) | | 1,5 a.c. / 0,8 d.c. | 1,5 a.c. / 0,8 d.c. |
| Operating frequency: | (Hz) | - | | | 50 | |
| Category of use: | | - | | | AC12 | |
| Operating mode: | | - | NO/NC/NO as signal of handle position | | CO | NO/NC/INTERMITTENT CO |
| Terminal section: | (mm ²) | - | | | ≤ 2.5 | |
| Rated tightening torque: | (Nm) | - | | | 0.4 | |
| ReStart function | | | | | | |
| Automatic reclosure for untimely tripping: | | • | • | • | • | |
| Earth leakage check: | | • | • | • | • | |
| Short-circuit check: | | • | • | • | • | |
| Adjustable insulation threshold: | | | | | • | |
| Continuous system check: | | | • | • | • | |
| Adjustable reset standby time ⁽⁶⁾ : | | | | | • | |
| Adjustable reclosing mode: | | | | | • | |
| Interruption of reclosure operation in the event of a fault: | | • | • | • | • | |
| Signalling of reclosure operation in progress: | | • | • | • | • | |
| Light signalling of failure: | | • | • | • | • | |
| Activation / exclusion of ReStart function: | | • | • | • | • | • |
| Auxiliary contact for remote operating status access: | | | • | • | • | • |
| Internal electrical protection: | | PTC | PTC | PTC | PTC | PTC |

⁽¹⁾ For IT system reclosing without fault check

⁽⁴⁾ In the absence of a system fault

⁽²⁾ Power supply 230V phase-neutral

⁽⁵⁾ Average daily temperature ≤ +35°C

⁽³⁾ Impulse duration ≥ 200ms

⁽⁶⁾ Automatic reclosure delay time: 0-1h

90 ReStart

Automatic reclosing devices

In the event the switch trips, the ReStart devices, after checking the system status, restore the power supply thereby ensuring maximum continuity of service in complete safety. Available for both residual current circuit breakers and residual current circuit breakers with overcurrent protection, the range is characterized by the Autotest functions, with periodic and automatic control of the residual current protection without interrupting the power supply and PRO with extended control of the system.



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RESTART WITH AUTOTEST

RESTART WITH AUTOTEST 2 POLES - VERSIONS COUPLED WITH RCCB'S



GW 90 901 N

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION AND AUTOMATIC TEST OF THE RESIDUAL CURRENT CIRCUIT BREAKER



| Code | Rated current | Idn | Type of RCCB | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------|---------------|-------|--------------|---------------|-------------------------|-------------|
| GW 90 901 N | 25 A | 30 mA | A[IR] | 230 V | 5 | 1/4 |
| GW 90 902 N | 40 A | 30 mA | A[IR] | 230 V | 5 | 1/4 |

CHARACTERISTICS: after RCCB has tripped, ReStart checks the insulation prior to the automatic reclosure. In the event of a fault (earth leakage), ReStart will not reset the circuit breaker. The integrated configurable auxiliary contact will change state to indicate the automatic reset did not take place. Compatible with:
-GWD0953 WiFi Interface Module
-GW90992 ModBus RS485 interface module.
NOTE: the Autotest function automatically and periodically (every 28 days) tests the RCCB, without interrupting the electric power supply, thus maintaining the performance of the residual current protection over time.
230 V ac power supply, phase-neutral.
RCCB's type A[IR] Impulse Resistant presents greater resistance to untimely tripping in comparison to standard residual current circuit breakers. Immunity level 8/20µs: 3000A for IR type, 250A for standard type.



GW 90 911

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION AND AUTOMATIC TEST OF THE RESIDUAL CURRENT CIRCUIT BREAKER - PRO VERSION



| Code | Rated current | Idn | Type of RCCB | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-----------|---------------|-------|--------------|---------------|-------------------------|-------------|
| GW 90 911 | 25 A | 30 mA | A[IR] | 230 V | 5 | 1/4 |
| GW 90 912 | 40 A | 30 mA | A[IR] | 230 V | 5 | 1/4 |
| GW 90 913 | 63 A | 30 mA | A[IR] | 230 V | 5 | 1/4 |

CHARACTERISTICS: after RCCB has tripped, ReStart checks the insulation prior to the automatic reclosure. In the event of a fault (earth leakage), ReStart will not reset the circuit breaker but will continue to monitor the circuit every 2 minutes reclosing the circuit breaker when safe to do so. In the meantime the integrated configurable auxiliary contact will change state to indicate that the automatic reset did not take place. Compatible with:
-GWD0953 WiFi Interface Module
-GW90992 ModBus RS485 interface module.
NOTE: the Autotest function automatically and periodically (every 28 days) tests the RCCB, without interrupting the electric power supply, thus maintaining the performance of the residual current protection over time.
230 V ac power supply, phase-neutral.
RCCB's type A[IR] Impulse Resistant presents greater resistance to untimely tripping in comparison to standard residual current circuit breakers.
Immunity level 8/20µs: 3000A for IR type, 250A for standard type.
APPLICATIONS: due to the prolonged control over time and the lower control threshold for the insulation, the PRO version is recommended for extensive electrical systems, that are dated or subject to critical ambient conditions (e.g. humidity) that can even temporarily lower the system's insulation level.

RESTART WITH AUTOTEST 4 POLES - VERSIONS COUPLED WITH RCCB'S



GW 90 921

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION AND AUTOMATIC TEST OF THE RESIDUAL CURRENT CIRCUIT BREAKER - PRO VERSION



| Code | Rated current | Idn | Type of RCCB | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-----------|---------------|--------|--------------|---------------|-------------------------|-------------|
| GW 90 921 | 25 A | 30 mA | A[I/R] | 400 V | 7 | 1/2 |
| GW 90 922 | 40 A | 30 mA | A[I/R] | 400 V | 7 | 1/2 |
| GW 90 923 | 63 A | 30 mA | A[I/R] | 400 V | 7 | 1/2 |
| GW 90 927 | 25 A | 300 mA | A[I/R] | 400 V | 7 | 1/2 |
| GW 90 928 | 40 A | 300 mA | A[I/R] | 400 V | 7 | 1/2 |
| GW 90 929 | 63 A | 300 mA | A[I/R] | 400 V | 7 | 1/2 |

CHARACTERISTICS: after RCCB has tripped, ReStart checks the insulation prior to the automatic reclosure. In the event of a fault (earth leakage), ReStart will not reset the circuit breaker but will continue to monitor the circuit every 2 minutes reclosing the circuit breaker when safe to do so. In the meantime the integrated configurable auxiliary contact will change state to indicate that the automatic reset did not take place.

Compatible with:

- GWD0953 WiFi Interface Module
- GW90992 bus RS485 interface module.

NOTE: the Autotest function automatically and periodically (every 28 days) tests the RCCB, without interrupting the electric power supply, thus maintaining the performance of the residual current protection over time.

RCCB's type A[I/R] Impulse Resistant presents greater resistance to untimely tripping in comparison to standard residual current circuit breakers. Immunity level 8/20µs: 3000A for IR type, 250A for standard type.

RESTART RD

RESTART RD 2 POLES - VERSIONS COUPLED WITH RCCB'S IDP



GW D4 817 R

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION



| Code | Rated current | Idn | Type of RCCB | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------|---------------|-------|--------------|---------------|-------------------------|-------------|
| GW D4 817 R | ① 25 A | 30 mA | A | 230 V | 3 | 1/4 |
| GW D4 827 R | ① 40 A | 30 mA | A | 230 V | 3 | 1/4 |

CHARACTERISTICS: after RCCB has tripped, ReStart checks the insulation prior to the automatic reclosure. In the event of a fault (earth leakage), ReStart will not reset the circuit breaker.
NOTE: the ARD must be supplied at 230 Vac phase-neutral.



GW D4 817 P

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION - PRO VERSION



| Code | Rated current | Idn | Type of RCCB | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------|---------------|-------|--------------|---------------|-------------------------|-------------|
| GW D4 817 P | ① 25 A | 30 mA | A | 230 V | 3 | 1/4 |
| GW D4 827 P | ① 40 A | 30 mA | A | 230 V | 3 | 1/4 |

CHARACTERISTICS: after RCCB has tripped, ReStart checks the insulation prior to the automatic reclosure.
In the event of a fault (earth leakage), ReStart will not reset the circuit breaker but will continue to monitor the circuit every 2 minutes reclosing the circuit breaker when safe to do so.
Compatible with:
-GWD0951 auxiliary contact
-GWD0953 WiFi Interface Module
-GW90992 modbus RS485 interface module (only if already coupled with GWD0951 auxiliary contact).
NOTE: the ARD must be supplied at 230 Vac phase-neutral.

RESTART RD 2 POLES - VERSIONS TO BE COUPLED WITH RCCB'S IDP



GW D0 971

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION



| Code | Suitable for | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|------------------|--------------------------------------|-------------------|-------------------------|-------------|
| GW D0 971 | ① IDP RCCBs - 2P up to 100 A - 30 mA | 230V | 1 | 1/4 |

CHARACTERISTICS: after RCCB has tripped, ReStart checks the insulation prior to the automatic reclosure. In the event of a fault (earth leakage), ReStart will not reset the circuit breaker.
NOTES: cannot be used with 4P RCCBs in 3 modules and type B RCCBs. the ARD must be supplied at 230 Vac phase-neutral.



GW D0 976

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CONTROL OF THE INSULATION - PRO VERSION



| Code | Suitable for | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|------------------|---|-------------------|-------------------------|-------------|
| GW D0 976 | ① IDP RCCBs - 2P up to 100 A - 30 mA | 230V | 1 | 1/4 |
| GW D0 978 | ① IDP RCCBs - 2P up to 100 A - 100/300/500 mA | 230V | 1 | 1/4 |

CHARACTERISTICS: after RCCB has tripped, ReStart checks the insulation prior to the automatic reclosure. In the event of a fault (earth leakage), ReStart will not reset the circuit breaker but will continue to monitor the circuit every 2 minutes reclosing the circuit breaker when safe to do so.

Compatible with:

-GWD0951 auxiliary contact

-GWD0953 WiFi Interface Module

-GW90992 modbus RS485 interface module (only if already coupled with GWD0951 auxiliary contact)

NOTES: cannot be used with 4P RCCBs in 3 modules and type B RCCBs. The ARD must be supplied at 230 Vac phase-neutral.

RESTART RD 4 POLES - VERSIONS TO BE COUPLED WITH RCCB'S IDP



GW 90 967

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CONTROL OF THE INSULATION - PRO VERSION



| Code | Suitable for | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|------------------|--|-------------------|-------------------------|-------------|
| GW 90 967 | IDP RCCBs - 2P/4P up to 100 A - 30 mA | 230V | 3 | 1/4 |
| GW 90 969 | IDP RCCBs - 2P/4P up to 100 A - 100/300/500 mA | 230V | 3 | 1/4 |

CHARACTERISTICS: after RCCB has tripped, ReStart checks the insulation prior to the automatic reclosure. In the event of a fault (earth leakage), ReStart will not reset the circuit breaker but will continue to monitor the circuit every 2 minutes reclosing the circuit breaker when safe to do so. In the meantime the integrated configurable auxiliary contact will change state to indicate that the automatic reset did not take place.

Compatible with:

GWD0953 WiFi interface module

GW90992 MODBUS RS485 interface module

NOTES: cannot be used with 4P RCCBs in 3 modules and type B RCCBs. The ARD must be supplied at 230 Vac phase-neutral.

RESTART RM

RESTART RM 2 POLES - VERSIONS COUPLED WITH COMPACT RCBO'S MDC



GW D4 229 R

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION AND OF THE SHORT CIRCUIT



| Code | Rated current | Idn | Type of RCBO | Curve | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---|---------------|-------|--------------|-------|---------------|-------------------------|-------------|
| Breaking capacity (EN 61009-1): 4500 A | | | | | | | |
| GW D4 227 R | ① 16 A | 30 mA | A | C | 230 V | 3 | 1/4 |
| GW D4 229 R | ① 25 A | 30 mA | A | C | 230 V | 3 | 1/4 |

CHARACTERISTICS: after RCBO has tripped, ReStart checks the insulation and the short circuit prior to the automatic reclosure.. In the event of a fault (earth leakage or short circuit), ReStart will not reset the circuit breaker.

NOTE: the ARD must be supplied at 230 Vac phase-neutral.



GW D4 229 P

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION AND OF THE SHORT CIRCUIT - PRO VERSION



| Code | Rated current | Idn | Type of RCBO | Curve | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---|---------------|-------|--------------|-------|---------------|-------------------------|-------------|
| Breaking capacity (EN 61009-1): 4500 A | | | | | | | |
| GW D4 227 P | ① 16 A | 30 mA | A | C | 230 V | 3 | 1/4 |
| GW D4 229 P | ① 25 A | 30 mA | A | C | 230 V | 3 | 1/4 |

CHARACTERISTICS: after RCBO has tripped, ReStart checks the insulation and the short circuit prior to the automatic reclosure.

In the event of a fault (earth leakage), ReStart will not reset the circuit breaker but will continue to monitor the circuit every 2 minutes reclosing the circuit breaker when safe to do so.

Compatible with:

-GWD0951 auxiliary contact

-GWD0953 WiFi Interface Module

-GW90992 modbus RS485 interface module (only if already coupled with GWD0951 auxiliary contact).

NOTE: the ARD must be supplied at 230 Vac phase-neutral.

RESTART RM 2 POLES - VERSIONS TO BE COUPLED WITH COMPACT RCBO'S MDC



GW D0 991

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION AND OF THE SHORT CIRCUIT



| Code | Suitable for | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-----------|--------------------------------|---------------|-------------------------|-------------|
| GW D0 991 | ① RCBO's MDC - 1P+N/2P - 30 mA | 230 V | 1 | 1/4 |

CHARACTERISTICS: after RCBO has tripped, ReStart checks the insulation and the short circuit prior to the automatic reclosure. In the event of a fault (earth leakage or short circuit), ReStart will not reset the circuit breaker.

NOTE: the ARD must be supplied at 230 Vac phase-neutral.



GW D0 996

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION AND OF THE SHORT CIRCUIT



| Code | Suitable for | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------------------|---------------|-------------------------|-------------|
| GW D0 996 | ① RCBO's MDC - 1P+N/2P - 30 mA | 230 V | 1 | 1/4 |
| GW D0 998 | ① RCBO's MDC - 1P+N/2P - 100-300 mA | 230 V | 1 | 1/4 |

CHARACTERISTICS: after RCBO has tripped, ReStart checks the insulation and the short circuit prior to the automatic reclosure. In the event of a fault (earth leakage), ReStart will not reset the circuit breaker but will continue to monitor the circuit every 2 minutes reclosing the circuit breaker when safe to do so.

Compatible with:

- GWD0951 auxiliary contact
- GWD0953 WiFi Interface Module
- GW90992 modbus RS485 interface module (only if already coupled with GWD0951 auxiliary contact).

NOTE: the ARD must be supplied at 230 Vac phase-neutral.

RESTART RM 4 POLES - VERSIONS TO BE COUPLED WITH COMPACT RCBO'S MDC



GW 90 986

AUTOMATIC RECLOSING DEVICES WITH PREVENTIVE CHECK OF THE INSULATION AND OF THE SHORT CIRCUIT PRO VERSION



| Code | Suitable for | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-----------|--|---------------|-------------------------|-------------|
| GW 90 986 | RCBO's MDC - 1P+N/2P/4P - 30 mA | 230 V | 3 | 1/4 |
| GW 90 988 | RCBO's MDC - 1P+N/2P/4P - 100 and 300 mA | 230 V | 3 | 1/4 |

CHARACTERISTICS: after RCBO has tripped, ReStart checks the insulation and the short circuit prior to the automatic reclosure. In the event of a fault (earth leakage), ReStart will not reset the circuit breaker but will continue to monitor the circuit every 2 minutes reclosing the circuit breaker when safe to do so. In the meantime the integrated configurable auxiliary contact will change state to indicate that the automatic reset did not take place.

Compatible with:

- GWD0953 WiFi interface module
- GW90992 modbus RS485 interface module

NOTE: the ARD must be supplied at 230 Vac phase-neutral.

RESTART RM TOP - VERSION TO BE COUPLED WITH RCBO'S MDC/MT+BD OR MCB'S MTC/MT



GW 90 893

ADJUSTABLE AUTOMATIC RECLOSING DEVICE WITH/WITHOUT PREVENTIVE CHECK OF THE INSULATION AND/OR OF THE SHORT CIRCUIT

| Code | Suitable for | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-----------|----------------------------------|---------------|-------------------------|-------------|
| GW 90 893 | RCBO's MDC/MT+BD or MCB's MTC/MT | 230 V | 4 | 1/4 |

CHARACTERISTICS: the Rm TOP ReStart allows to:

- set the reclosing mode (reclosing with system check, reclosing by attempts, remote reclosing and excluded reclosing)
- adapt the insulation threshold in according to the associated circuit breaker
- regulate the reclosing time delay.

The device is equipped with 2 integrated auxiliary contacts of position and/or tripped relay.

NOTE: the ARD must be supplied at 230 V ac phase-neutral.

RESTART CM - MOTOR OPERATING DEVICE TO BE COUPLED WITH RCBO'S MDC/MT+BD OR MCB'S MTC/MT



GW 90 896

MOTOR OPERATING DEVICE WITHOUT PREVENTIVE CONTROL OF THE INSULATION AND OF THE SHORT CIRCUIT

| Code | Suitable for | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-----------|----------------------------------|---------------|-------------------------|-------------|
| GW 90 896 | RCBO's MDC/MT+BD or MCB's MTC/MT | 230 V | 2 | 1/4 |

CHARACTERISTICS: the device is equipped with 1 integrated auxiliary position contact or tripped relay.

NOTE: the reclosing device must be supplied at 230 V ac phase-neutral.

ELECTRIC AUXILIARY FOR RESTART DEVICES



GW 96 014

SHUNT TRIP RELEASE WITH SIMULTANEOUS RECLOSING

| Code | Suitable for | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-----------|---------------------------|---------------|-------------------------|-------------|
| GW 96 014 | ReStart RM TOP/Restart CM | 230 V ac | 1 | 1/6 |

CHARACTERISTICS: when the circuit breaker trips, thanks to GW96014, it can be reclosed remotely by means the ReStart RM TOP or the motor operating ReStart CM, even before the shunt trip release has been reclosed. ReStart RM TOP and ReStart CM activate a remote reclosing of both the circuit breaker lever and the shunt trip release lever simultaneously.

APPLICATIONS: it is used to cause the remote opening of the circuit breaker coupled with the ReStart RM TOP or the motor operating ReStart CM. When using a release associated with ReStart RM TOP, pay attention to the system control and reclose logic set on the ReStart RM TOP.

NOTE: when using a ReStart RM TOP, the shunt trip release must be placed between the ReStart RM TOP device and the circuit breaker.

When using a ReStart CM, the shunt trip release must be placed to the left of the ReStart CM device. A position auxiliary contact or a fault indication switch can also be added to the left of the release GW96014.

RESTART ACCESSORIES

ACCESSORIES FOR RESTART DEVICES



GW D0 951

AUXILIARY CONTACT

| Code | Suitable for | Voltage operating | Current operating | No. of modules EN 50022 | Pack Carton |
|--------------------|---|-------------------|-------------------|-------------------------|-------------|
| GW D0 951 ① | ReStart RD PRO 2P (GWD0976 and GWD0978)/ ReStart Rm PRO 2P (GWD0996 and GWD0998) | 5-230 V ac/dc | 0,6-100 mA ac/dc | 1 | 1/4 |

CHARACTERISTICS: after RCBO has tripped, ReStart checks the insulation and the short circuit prior to the automatic reclosure.

The auxiliary contact can be configured with three operating modes:

- NA (default condition)

- NC

NO as signal of handle position

NOTE: the auxiliary contacts is free potential type.



GW D0 953

WI-FI COMMUNICATION INTERFACE MODULE

| Code | Suitable for | No. of modules EN 50022 | Pack Carton |
|--------------------|--|-------------------------|-------------|
| GW D0 953 ③ | ReStart RD PRO 2P (GWD0976 and GWD0978)/ReStart Rm PRO 2P (GWD0996 and GWD0998) | 1 | 1/4 |
| GW 90 953 ③ | ReStart Autotest 2P-4P/ReStart Rd PRO 4P (GW90967 and GW90969)/ ReStart Rm PRO 4P (GW90986 and GW90988) | 1 | 1/4 |

CHARACTERISTICS: Wi-Fi interfaces (coupled on the right side of ReStart device) connected to a router, allow to send following information to several device connected to internet network:

- status of circuit breaker (ON/OFF)
- lack of power supply in the system due to the presence of a fault
- resetting of power supply after successful automatic reclosing
- if coupled to Restart with Autotest device, details of the last Autotest operation (result, date and time).



GW 90 992

BUS RS485 COMMUNICATION INTERFACE MODULE

| Code | Suitable for | No. of modules EN 50022 | Pack Carton |
|------------------|--|-------------------------|-------------|
| GW 90 992 | ReStart Autotest/ReStart Rd PRO 4P (GW90967 and GW90969)/ReStart Rm PRO 4P (GW90986 e GW90988) | 1 | 1 |

CHARACTERISTICS: the BUS module, by means software available on www.GEWISS.com website, allows to:

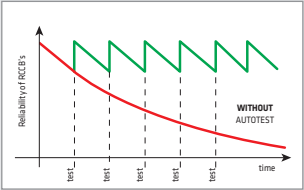
- monitor the status of circuit breaker coupled with ReStart
- control Autotest function remotely
- manage automatic reclosing function remotely.

APPLICATION: it allows the installation of ReStart device in monitoring systems with BUS RS485 communication protocol.

90 ReStart

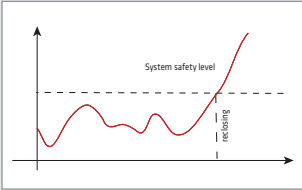


A PROTECTED SYSTEM FOREVER



Thanks to the automatic self-diagnosis system that does not interrupt the power supply, patented by GEWISS, ReStart Autotest guarantees maximum effectiveness of the protection and relieves the user from the need to periodically perform the manual residual current relay triggering test.

CONTINUAL CHECKING GUARANTEED



After a fault, ReStart PRO continuously checks the system until the safety conditions are restored and then proceeds with resetting the circuit breaker. The auxiliary contact also makes it possible to remotely access information about the condition of the system.

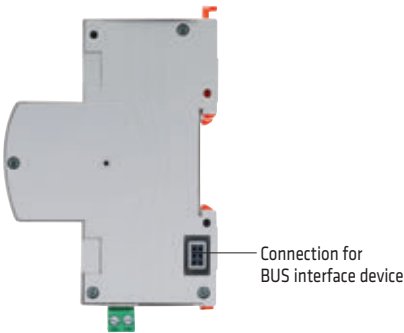
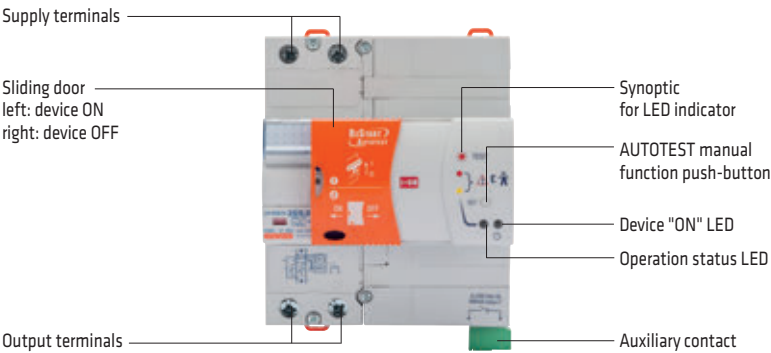
EVERITHING IN SIGHT



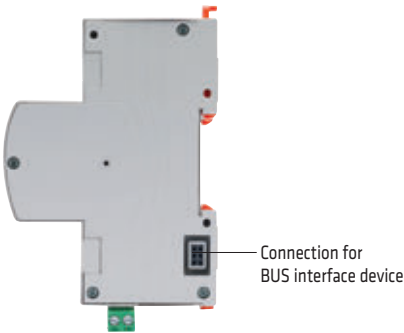
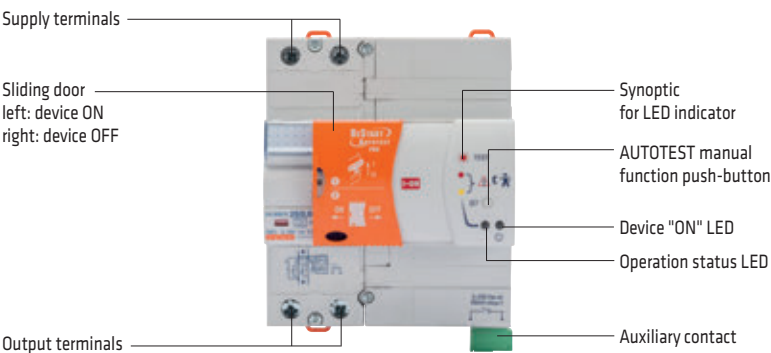
The LEDs positioned on the front of the device provide information about the system's operation status. A quick look is enough to know if the system is functioning correctly, if an automatic test is in progress or if there is a fault.

DEVICE DESCRIPTION

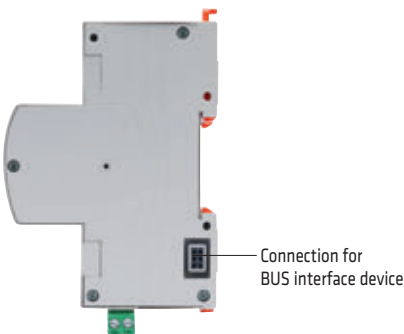
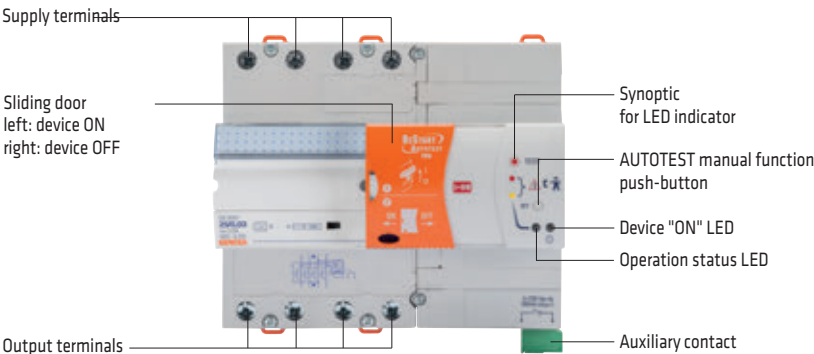
ReStart with Autotest 2P



ReStart with Autotest PRO 2P



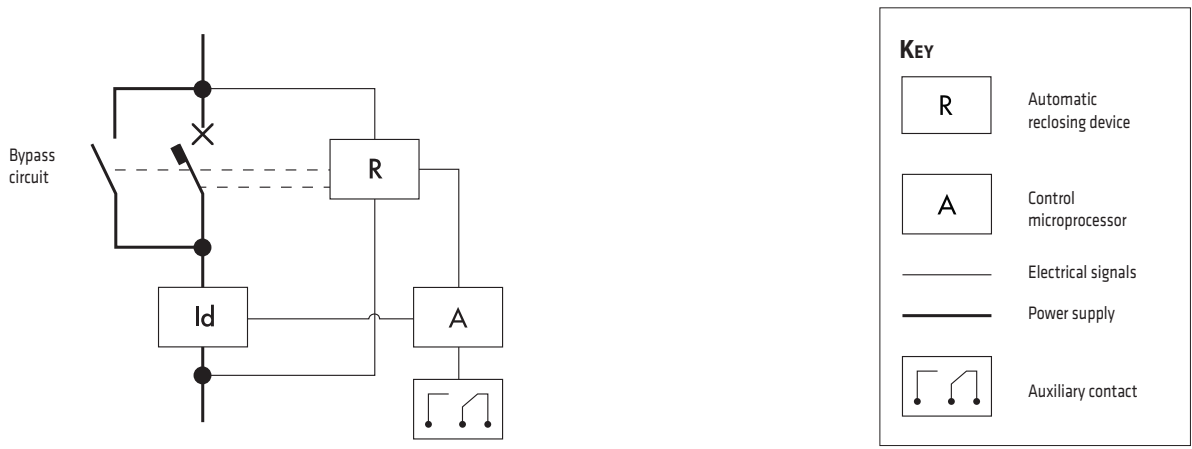
ReStart with Autotest PRO 4P



AUTOTEST FUNCTION

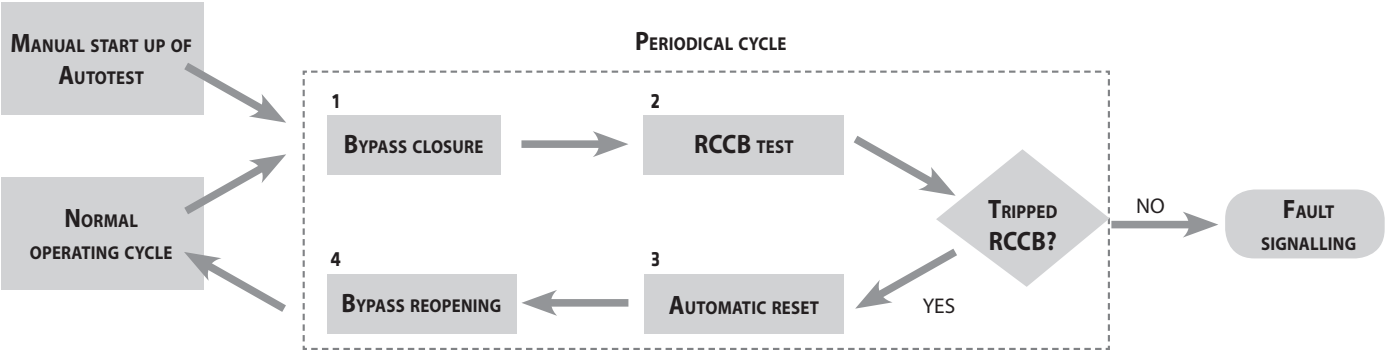
The AUTOTEST function periodically tests the working of the residual current circuit breaker protection. During the test, a bypass circuit ensures electrical continuity meanwhile an additional RCCB protection device guarantees system safety. The automatic reclosing device ensures the automatic resetting of the lever of circuit breaker in ON position. Moreover, pressing the button on the front of the device at any time, Autotest immediately carries out an automatic test on the RCCB without interrupting the power supply. This means test can be carried out during normal day-to-day operations without any inconvenience.

ELECTRICAL DIAGRAM



PERIODICAL TEST FUNCTION

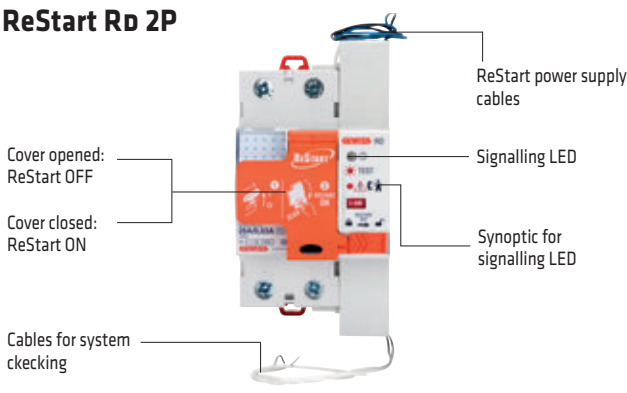
After installation, it is possible to start up the AUTOTEST function manually (pressing the appropriate button) in order to check if the wiring is correct and to synchronise the periodical test function.



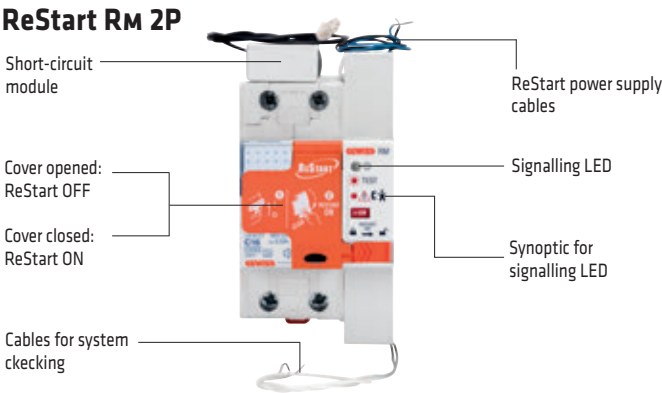
90 ReStart

DEVICE DESCRIPTION

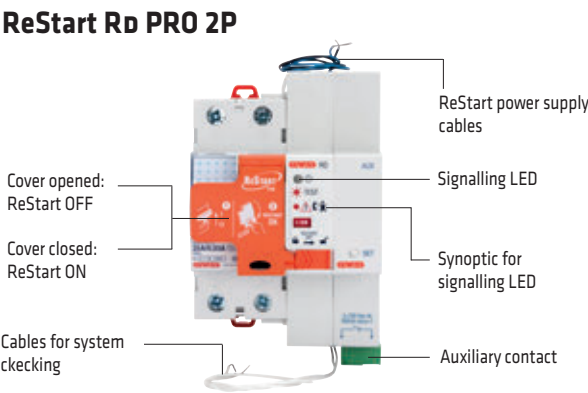
ReStart Rd 2P



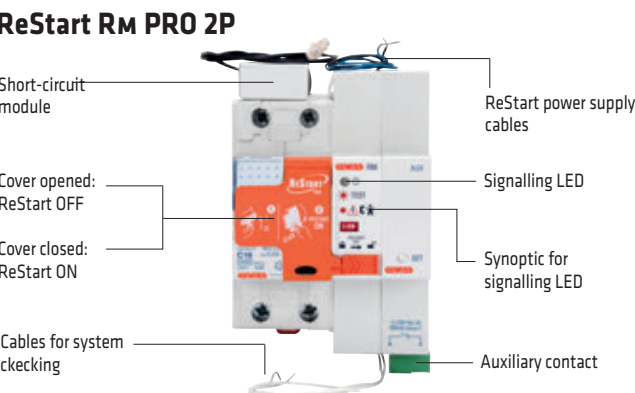
ReStart Rm 2P



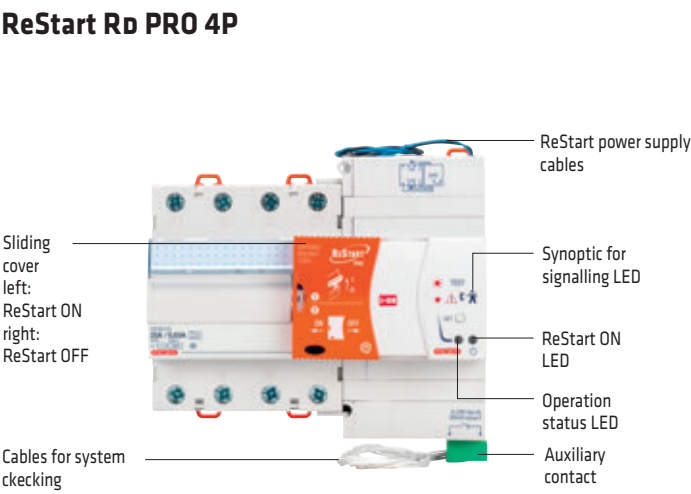
ReStart Rd PRO 2P



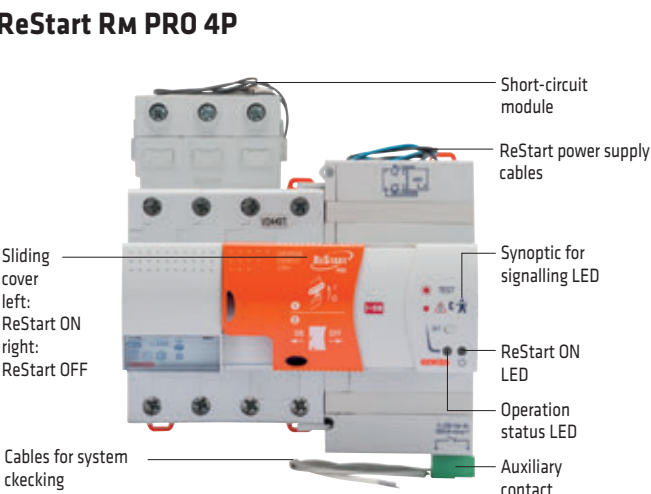
ReStart Rm PRO 2P



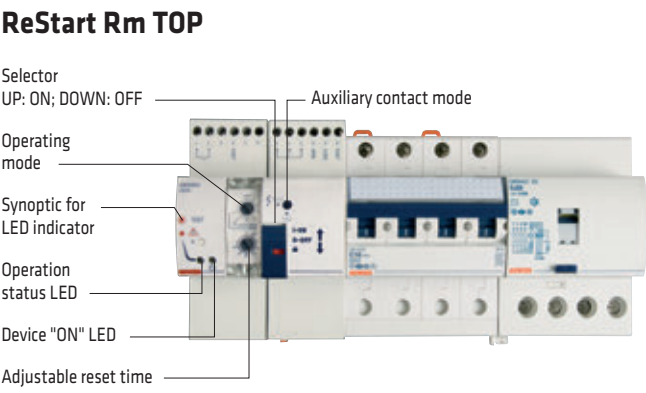
ReStart Rd PRO 4P



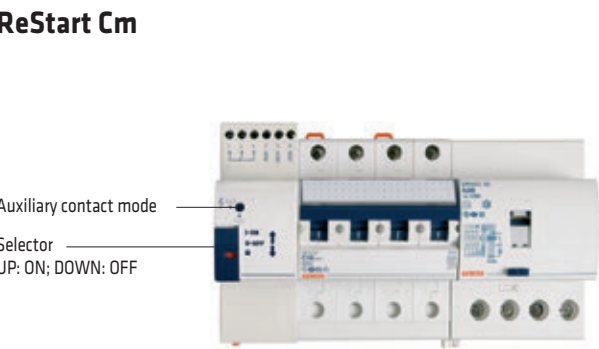
ReStart Rm PRO 4P



ReStart Rm TOP



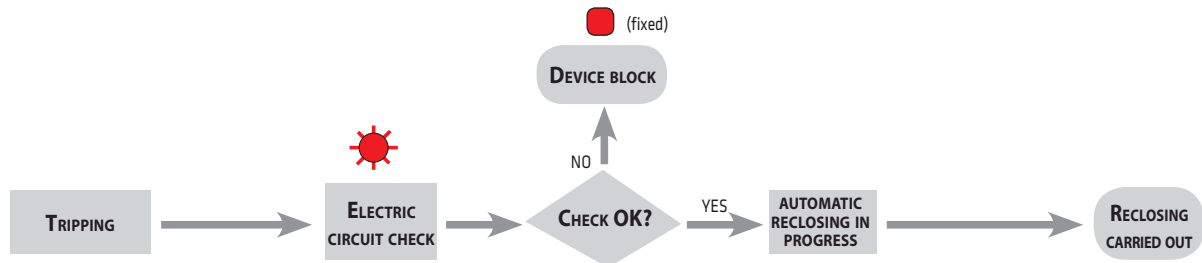
ReStart Cm



AUTOMATIC RECLOSING FUNCTION

ReStart with Autotest, Rd and Rm

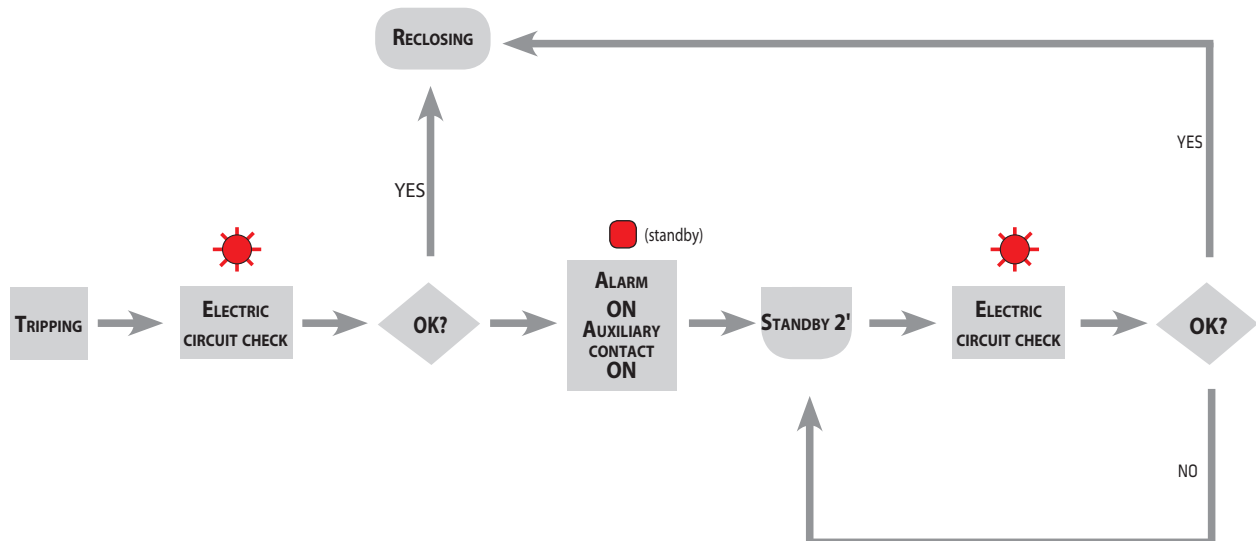
The automatic reclosing is carried out after an untimely tripping of the circuit breaker but only after an electrical circuit check. If a fault is found, the device sets itself on block condition and signals the fault by means of the front LED indicator.



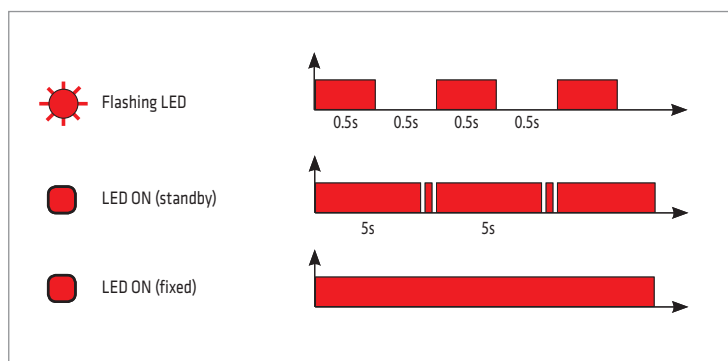
RESTART WITH AUTOTEST, RD AND RM PRO VERSION

The circuit breaker is reclosed after an untimely tripping of the circuit breaker but only after a system check.

When the system check gives a negative result, the device goes into standby and signals this condition by means of the frontal LED indicator. System checks will then be carried out at 2' intervals, and the device will only reclose when the result of the test is positive. If no positive result is obtained, the device will remain in standby until the next test, or until a manual reset. The auxiliary contact signals the system fault.



KEY



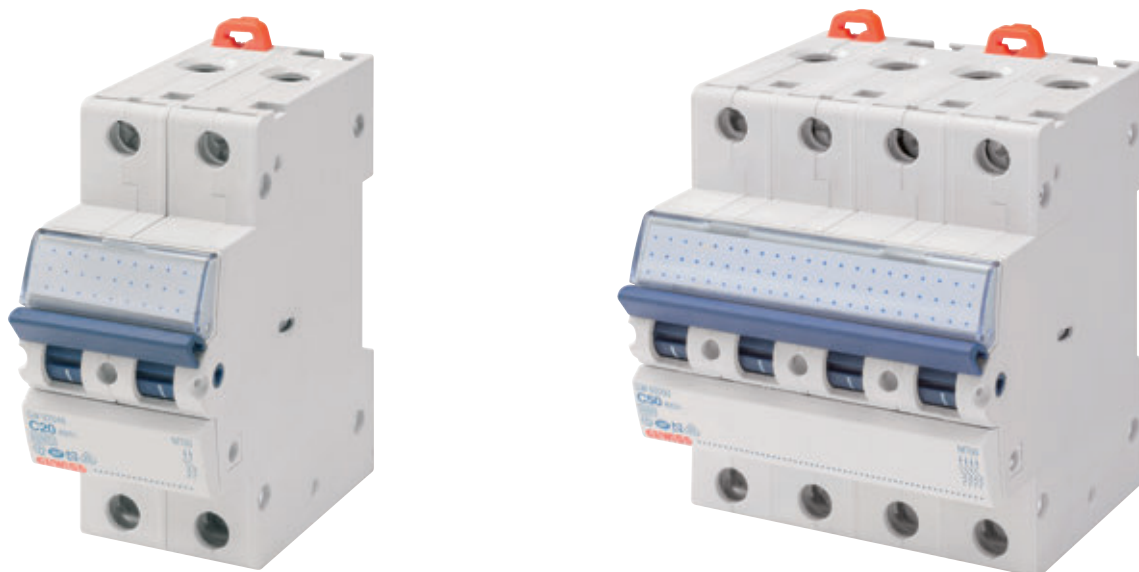
Modular circuit breakers for circuit protection

90 MCB

MTC - COMPACT MINIATURE CIRCUIT BREAKERS



MT - MINIATURE CIRCUIT BREAKERS














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MTHP - HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS













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Selection tables

| | | | MINIATURE CIRCUIT BREAKERS | | | | | | | | | | |
|----------------------|-------|--------|---|---|---|---|---|---|---|---|---|---|---|
| | | | MTC | | | | | | MT | | | | |
| | | |  |  |  |  |  |  |  |  |  |  |  |
| Icn [A] (EN60898) | Curve | In [A] | 1P | 1P+N | 1P+N* | 2P | 3P | 4P | 1P | 1P+N | 2P | 3P | 4P |
| | | | 1 mod. | 1 mod. | 1 mod. | 1 mod. | 2 mod. | 2 mod. | 1 mod. | 2 mod. | 2 mod. | 3 mod. | 4 mod. |
| | | | MTC 45 | | | | | | MT 45 | | | | |
| 4500 | C | 2 | - | GW 90 022 | GW 90 602 | - | - | - | - | - | - | - | - |
| | | 6 | GW 90 005 | GW 90 025 | GW 90 605 | GW 90 045 | GW 90 065 | GW 90 085 | GW 92 105 | GW 92 125 | GW 92 145 | GW 92 165 | GW 92 185 |
| | | 10 | GW 90 006 | GW 90 026 | GW 90 606 | GW 90 046 | GW 90 066 | GW 90 086 | GW 92 106 | GW 92 126 | GW 92 146 | GW 92 166 | GW 92 186 |
| | | 13 | GW 90 011 | GW 90 031 | - | GW 90 051 | GW 90 071 | GW 90 091 | GW 92 107 | GW 92 127 | GW 92 147 | GW 92 167 | GW 92 187 |
| | | 16 | GW 90 007 | GW 90 027 | GW 90 607 | GW 90 047 | GW 90 067 | GW 90 087 | GW 92 108 | GW 92 128 | GW 92 148 | GW 92 168 | GW 92 188 |
| | | 20 | GW 90 008 | GW 90 028 | GW 90 608 | GW 90 048 | GW 90 068 | GW 90 088 | GW 92 109 | GW 92 129 | GW 92 149 | GW 92 169 | GW 92 189 |
| | | 25 | GW 90 009 | GW 90 029 | GW 90 609 | GW 90 049 | GW 90 069 | GW 90 089 | GW 92 110 | GW 92 130 | GW 92 150 | GW 92 170 | GW 92 190 |
| | | 32 | GW 90 010 | GW 90 030 | GW 90 610 | GW 90 050 | GW 90 070 | GW 90 090 | GW 92 111 | GW 92 131 | GW 92 151 | GW 92 171 | GW 92 191 |
| | B | 40 | - | - | - | - | - | - | GW 92 112 | GW 92 132 | GW 92 152 | GW 92 172 | GW 92 192 |
| | | 6 | - | - | - | - | - | - | GW 92 305 | GW 92 325 | GW 92 345 | GW 92 365 | GW 92 385 |
| | | 10 | - | - | - | - | - | - | GW 92 306 | GW 92 326 | GW 92 346 | GW 92 366 | GW 92 386 |
| | | 13 | - | - | - | - | - | - | GW 92 307 | GW 92 327 | GW 92 347 | GW 92 367 | GW 92 387 |
| | | 16 | - | - | - | - | - | - | GW 92 308 | GW 92 328 | GW 92 348 | GW 92 368 | GW 92 388 |
| | | 20 | - | - | - | - | - | - | GW 92 309 | GW 92 329 | GW 92 349 | GW 92 369 | GW 92 389 |
| | | 25 | - | - | - | - | - | - | GW 92 310 | GW 92 330 | GW 92 350 | GW 92 370 | GW 92 390 |
| | | 32 | - | - | - | - | - | - | GW 92 311 | GW 92 331 | GW 92 351 | GW 92 371 | GW 92 391 |
| | 40 | - | - | - | - | - | - | GW 92 312 | GW 92 332 | GW 92 352 | GW 92 372 | GW 92 392 | |
| | | | MTC 60 | | | | | | MT 60 | | | | |
| 6000 | C | 1 | - | - | - | - | - | - | GW 92 001 | GW 92 021 | GW 92 041 | GW 92 061 | GW 92 081 |
| | | 2 | - | - | - | - | - | - | GW 92 002 | GW 92 022 | GW 92 042 | GW 92 062 | GW 92 082 |
| | | 3 | - | - | - | - | - | - | GW 92 003 | GW 92 023 | GW 92 043 | GW 92 063 | GW 92 083 |
| | | 4 | - | - | - | - | - | - | GW 92 004 | GW 92 024 | GW 92 044 | GW 92 064 | GW 92 084 |
| | | 6 | - | GW 90 225 | - | GW 90 245 | GW 90 265 | GW 90 285 | GW 92 005 | GW 92 025 | GW 92 045 | GW 92 065 | GW 92 085 |
| | | 10 | - | GW 90 226 | - | GW 90 246 | GW 90 266 | GW 90 286 | GW 92 006 | GW 92 026 | GW 92 046 | GW 92 066 | GW 92 086 |
| | | 13 | - | GW 90 231 | - | GW 90 251 | GW 90 271 | GW 90 291 | GW 92 014 | GW 92 034 | GW 92 054 | GW 92 074 | GW 92 094 |
| | | 16 | - | GW 90 227 | - | GW 90 247 | GW 90 267 | GW 90 287 | GW 92 007 | GW 92 027 | GW 92 047 | GW 92 067 | GW 92 087 |
| | | 20 | - | GW 90 228 | - | GW 90 248 | GW 90 268 | GW 90 288 | GW 92 008 | GW 92 028 | GW 92 048 | GW 92 068 | GW 92 088 |
| | | 25 | - | GW 90 229 | - | GW 90 249 | GW 90 269 | GW 90 289 | GW 92 009 | GW 92 029 | GW 92 049 | GW 92 069 | GW 92 089 |
| | | 32 | - | GW 90 230 | - | GW 90 250 | GW 90 270 | GW 90 290 | GW 92 010 | GW 92 030 | GW 92 050 | GW 92 070 | GW 92 090 |
| | | 40 | - | - | - | - | - | - | GW 92 011 | GW 92 031 | GW 92 051 | GW 92 071 | GW 92 091 |
| | | 50 | - | - | - | - | - | - | GW 92 012 | GW 92 032 | GW 92 052 | GW 92 072 | GW 92 092 |
| | | 63 | - | - | - | - | - | - | GW 92 013 | GW 92 033 | GW 92 053 | GW 92 073 | GW 92 093 |
| | B | 6 | - | GW 90 325 | - | GW 90 345 | - | - | GW 92 205 | - | GW 92 245 | GW 92 265 | GW 92 285 |
| | | 10 | - | GW 90 326 | - | GW 90 346 | - | - | GW 92 206 | - | GW 92 246 | GW 92 266 | GW 92 286 |
| | | 13 | - | GW 90 327 | - | GW 90 347 | - | - | GW 92 214 | - | GW 92 254 | GW 92 274 | GW 92 294 |
| | | 16 | - | GW 90 328 | - | GW 90 348 | - | - | GW 92 207 | - | GW 92 247 | GW 92 267 | GW 92 287 |
| | | 20 | - | GW 90 329 | - | GW 90 349 | - | - | GW 92 208 | - | GW 92 248 | GW 92 268 | GW 92 288 |
| | | 25 | - | GW 90 330 | - | GW 90 350 | - | - | GW 92 209 | - | GW 92 249 | GW 92 269 | GW 92 289 |
| | | 32 | - | GW 90 331 | - | GW 90 351 | - | - | GW 92 210 | - | GW 92 250 | GW 92 270 | GW 92 290 |
| | | 40 | - | - | - | - | - | - | GW 92 211 | - | GW 92 251 | GW 92 271 | GW 92 291 |
| | | 50 | - | - | - | - | - | - | GW 92 212 | - | GW 92 252 | GW 92 272 | GW 92 292 |
| | | 63 | - | - | - | - | - | - | GW 92 213 | - | GW 92 253 | GW 92 273 | GW 92 293 |
| | D | 6 | - | - | - | - | - | - | GW 92 405 | - | GW 92 445 | GW 92 465 | GW 92 485 |
| | | 10 | - | - | - | - | - | - | GW 92 406 | - | GW 92 446 | GW 92 466 | GW 92 486 |
| | | 13 | - | - | - | - | - | - | GW 92 414 | - | GW 92 454 | GW 92 474 | GW 92 494 |
| | | 16 | - | - | - | - | - | - | GW 92 407 | - | GW 92 447 | GW 92 467 | GW 92 487 |
| | | 20 | - | - | - | - | - | - | GW 92 408 | - | GW 92 448 | GW 92 468 | GW 92 488 |
| | | 25 | - | - | - | - | - | - | GW 92 409 | - | GW 92 449 | GW 92 469 | GW 92 489 |
| | | 32 | - | - | - | - | - | - | GW 92 410 | - | GW 92 450 | GW 92 470 | GW 92 490 |
| | | 40 | - | - | - | - | - | - | GW 92 411 | - | GW 92 451 | GW 92 471 | GW 92 491 |






* Miniature circuit breakers with neutral on the left

| | | | MINIATURE CIRCUIT BREAKERS | | | | | | | | | |
|------------------------------|-------|--------|---|---|---|---|---|--|---|---|---|---|
| | | | MTC | | MT | | | | MTHP | | | |
| | | |  |  |  |  |  |  |  |  |  |  |
| Icn [A] (EN60898) | Curve | In [A] | 1P+N 1 mod. | 2P 1 mod. | 1P 1 mod. | 2P 2 mod. | 3P 3 mod. | 4P 4 mod. | 1P 1.5 mod. | 2P 3 mod. | 3P 4.5 mod. | 4P 6 mod. |
| | | | MTC 100 | | MT 100 | | | | | | | |
| 10000 | C | 6 | GW 90 425 | GW 90 445 | GW 92 605 | GW 92 645 | GW 92 665 | GW 92 685 | - | - | - | - |
| | | 10 | GW 90 426 | GW 90 446 | GW 92 606 | GW 92 646 | GW 92 666 | GW 92 686 | - | - | - | - |
| | | 13 | GW 90 431 | GW 90 451 | GW 92 614 | GW 92 654 | GW 92 674 | GW 92 694 | - | - | - | - |
| | | 16 | GW 90 427 | GW 90 447 | GW 92 607 | GW 92 647 | GW 92 667 | GW 92 687 | - | - | - | - |
| | | 20 | GW 90 428 | GW 90 448 | GW 92 608 | GW 92 648 | GW 92 668 | GW 92 688 | - | - | - | - |
| | | 25 | GW 90 429 | GW 90 449 | GW 92 609 | GW 92 649 | GW 92 669 | GW 92 689 | - | - | - | - |
| | | 32 | GW 90 430 | GW 90 450 | GW 92 610 | GW 92 650 | GW 92 670 | GW 92 690 | - | - | - | - |
| | | 40 | - | - | GW 92 611 | GW 92 651 | GW 92 671 | GW 92 691 | - | - | - | - |
| | | 50 | - | - | GW 92 612 | GW 92 652 | GW 92 672 | GW 92 692 | - | - | - | - |
| | 63 | - | - | GW 92 613 | GW 92 653 | GW 92 673 | GW 92 693 | - | - | - | - | |
| | B | 6 | - | - | GW 92 505 | GW 92 545 | GW 92 565 | GW 92 585 | - | - | - | - |
| | | 10 | - | - | GW 92 506 | GW 92 546 | GW 92 566 | GW 92 586 | - | - | - | - |
| | | 13 | - | - | GW 92 507 | GW 92 547 | GW 92 567 | GW 92 587 | - | - | - | - |
| | | 16 | - | - | GW 92 508 | GW 92 548 | GW 92 568 | GW 92 588 | - | - | - | - |
| | | 20 | - | - | GW 92 509 | GW 92 549 | GW 92 569 | GW 92 589 | - | - | - | - |
| | | 25 | - | - | GW 92 510 | GW 92 550 | GW 92 570 | GW 92 590 | - | - | - | - |
| | | 32 | - | - | GW 92 511 | GW 92 551 | GW 92 571 | GW 92 591 | - | - | - | - |
| | | 40 | - | - | GW 92 512 | GW 92 552 | GW 92 572 | GW 92 592 | - | - | - | - |
| | | 50 | - | - | GW 92 513 | GW 92 553 | GW 92 573 | GW 92 593 | - | - | - | - |
| | 63 | - | - | GW 92 514 | GW 92 554 | GW 92 574 | GW 92 594 | - | - | - | - | |
| | D | 1 | - | - | GW 92 701 | GW 92 741 | GW 92 761 | GW 92 781 | - | - | - | - |
| | | 2 | - | - | GW 92 702 | GW 92 742 | GW 92 762 | GW 92 782 | - | - | - | - |
| | | 3 | - | - | GW 92 703 | GW 92 743 | GW 92 763 | GW 92 783 | - | - | - | - |
| | | 4 | - | - | GW 92 704 | GW 92 744 | GW 92 764 | GW 92 784 | - | - | - | - |
| | | 6 | - | - | GW 92 705 | GW 92 745 | GW 92 765 | GW 92 785 | - | - | - | - |
| | | 10 | - | - | GW 92 706 | GW 92 746 | GW 92 766 | GW 92 786 | - | - | - | - |
| | | 13 | - | - | GW 92 714 | GW 92 754 | GW 92 774 | GW 92 794 | - | - | - | - |
| | | 16 | - | - | GW 92 707 | GW 92 747 | GW 92 767 | GW 92 787 | - | - | - | - |
| | | 20 | - | - | GW 92 708 | GW 92 748 | GW 92 768 | GW 92 788 | - | - | - | - |
| | | 25 | - | - | GW 92 709 | GW 92 749 | GW 92 769 | GW 92 789 | - | - | - | - |
| | 32 | - | - | GW 92 710 | GW 92 750 | GW 92 770 | GW 92 790 | - | - | - | - | |
| | 40 | - | - | GW 92 711 | GW 92 751 | GW 92 771 | GW 92 791 | - | - | - | - | |
| | | | | | | | | | MTHP 160 | | | |
| 10000 (16kA EN60947-2) | C | 80 | - | - | - | - | - | - | GW 93 307 | GW 93 327 | GW 93 337 | GW 93 347 |
| | | 100 | - | - | - | - | - | - | GW 93 308 | GW 93 328 | GW 93 338 | GW 93 348 |
| | | 125 | - | - | - | - | - | - | GW 93 309 | GW 93 329 | GW 93 339 | GW 93 349 |
| | D | 63 | - | - | - | - | - | - | GW 93 356 | GW 93 376 | GW 93 386 | GW 93 396 |
| | | 80 | - | - | - | - | - | - | GW 93 357 | GW 93 377 | GW 93 387 | GW 93 397 |
| | | 100 | - | - | - | - | - | - | GW 93 358 | GW 93 378 | GW 93 388 | GW 93 398 |
| | | | | | MT 250 | | | | MTHP 250 | | | |
| 12500 | C | 50 | - | - | GW 92 812 | GW 92 852 | GW 92 872 | GW 92 892 | - | - | - | - |
| | | 63 | - | - | GW 92 813 | GW 92 853 | GW 92 873 | GW 92 893 | - | - | - | - |
| 15000 | C | 32 | - | - | GW 92 810 | GW 92 850 | GW 92 870 | GW 92 890 | - | - | - | - |
| | | 40 | - | - | GW 92 811 | GW 92 851 | GW 92 871 | GW 92 891 | - | - | - | - |
| 20000 | C | 25 | - | - | GW 92 809 | GW 92 849 | GW 92 869 | GW 92 889 | - | - | - | - |
| 25000 | C | 6 | - | - | GW 92 805 | GW 92 845 | GW 92 865 | GW 92 885 | - | - | - | - |
| | | 10 | - | - | GW 92 806 | GW 92 846 | GW 92 866 | GW 92 886 | - | - | - | - |
| | | 16 | - | - | GW 92 807 | GW 92 847 | GW 92 867 | GW 92 887 | - | - | - | - |
| | | 20 | - | - | GW 92 808 | GW 92 848 | GW 92 868 | GW 92 888 | GW 93 201 | GW 93 221 | GW 93 231 | GW 93 241 |
| | | 25 | - | - | - | - | - | - | GW 93 202 | GW 93 222 | GW 93 232 | GW 93 242 |
| | | 32 | - | - | - | - | - | - | GW 93 203 | GW 93 223 | GW 93 233 | GW 93 243 |
| | | 40 | - | - | - | - | - | - | GW 93 204 | GW 93 224 | GW 93 234 | GW 93 244 |
| | | 50 | - | - | - | - | - | - | GW 93 205 | GW 93 225 | GW 93 235 | GW 93 245 |
| | | 63 | - | - | - | - | - | - | GW 93 206 | GW 93 226 | GW 93 236 | GW 93 246 |

90 MCB





MCB - MTC - MT - MTHP

Technical data

| TYPE | | MTC | | | MT | | |
|---|----------------|---|---|---|---|---|-------------------------------|
| | |  |  |  |  |  | |
| Rated current (In) | (A) | 2-32 | 6-32 | 6-32 | 6-40 | 1-63 | |
| Utilization category | | A | A | A | A | A | |
| Rated operational voltage (Ue) | (V) | 230/400 - 240/415 | 230/400 - 240/415 | 230 - 240 | 230/400 - 240/415 | 230/400 - 240/415 | |
| Minimum operating voltage (Ue min) | (V) | 12 AC/DC | 12 AC/DC | 12 AC/DC | 12 AC/DC | 12 AC/DC | |
| Maximum operating voltage (Ue max) | (V) | 440 AC/ 220 DC | 440 AC/ 220 DC | 253 AC/ 110 DC | 440 AC/ 220 DC | 440 AC/ 220 DC | |
| Insulation voltage (Ui) | (V) | 500 | 500 | 500 | 500 | 500 | |
| Rated frequency | (Hz) | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 | |
| Rated impulse withstand voltage (Uimp) | (kV) | 4 | 4 | 4 | 4 | 4 | |
| Overvoltage category: | | III | III | III | III | III | |
| Number of poles | | 1 1+N,2 3,4 | 1+N,2 3,4 | 1+N,2 | 1,1+N 2,3,4 | 1,1+N 2,3,4 | |
| Energy limiting class (B and C curve): | | 3 3 3 | 3 3 3 (≤16A) 1 (>16A) | 3 | 3 3 | 3 3 | |
| Breaking capacity | | | | | | | |
| Alternating current | IEC/EN 60898-1 | Icn | (A) | 4500 | 6000 ⁽¹⁾ 6000 | 10000 ⁽¹⁾ | 4500 6000 |
| | | Ics | (A) | 1 Icn | 1 Icn | 0.75 Icn | 1 Icn |
| | | Icu | 230/240 V (kA) | 4.5 6 6 | 7.5 7.5 | 10 | 4.5 6 10 20 |
| | IEC/EN 60947-2 | | 400/415 V (kA) | - - 4.5 | - 6 | - | - 6 - 10 |
| Direct current | | Ics | (kA) | 100% Icu | 100% Icu | 75% Icu | 100% Icu 75% Icu |
| | | Icu (1 pole) 50 V | (kA) | 6 | 10 | - | 6 10 |
| | | Ics | (kA) | 6 | 10 | - | 6 10 |
| | | Icu (2 poles in series) 110 V | (kA) | 6 | 10 | 10 (15 at 50V) | 6 10 |
| | | Ics | (kA) | 6 | 10 | 10 (15 at 50V) | 6 6 |
| | | Icu (4 poles in series) 220 V | (kA) | 4.5 | 6 | - | 4.5 10 |
| Wiring | | Ics | (kA) | 4.5 | 6 | - | 4.5 10 |
| | | Ics | (kA) | 4.5 | 6 | - | 4.5 10 |
| Wiring | | cable section (mm ²) | rigid flexible | ≤ 1x16 - ≤ 1x10+1x6 | ≤ 1x16 - ≤ 1x10+1x6 | ≤ 1x16 - ≤ 1x10+1x6 | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 |
| Screwdriver suggested: | | | | PZ2 | PZ2 | PZ2 | PZ2 |
| Electrical endurance: | | | | 10000 | 10000 | 10000 | 10000 |
| Mechanical endurance: | | | | 20000 | 20000 | 20000 | 20000 |
| Max. no. of usable modular accessories: | | | | 2 | 2 | 2 | 2 |
| Upline/downline power supply: | | | | yes | yes | yes | yes |
| ON/OFF status displayed: | | | | yes | yes | yes | yes |
| Mounting position: | | | | any | any | any | any |
| Type of residual current device: | | | | - | - | - | Add-on RCD BD |
| Rated tightening torque: | | (Nm) | | 1.2 | 1.2 | 1.2 | 2 2 |
| Degree of protection: | terminals | | | IP20 | IP20 | IP20 | IP20 |
| | front | | | IP40 | IP40 | IP40 | IP40 |
| Pollution degree: | | | | 2 | 2 | 2 | 2 |
| Tropicalization: | | | | 55°C - RH 95% | 55°C - RH 95% | 55°C - RH 95% | 55°C - RH 95% |
| Reference temperature: | | (°C) | | 30 | 30 | 30 | 30 |
| Operating temperature: | | (°C) | | -25 +60 | -25 +60 | -25 +60 | -25 +60 |
| Stocking temperature: | | (°C) | | -40 +70 | -40 +70 | -40 +70 | -40 +70 |
| Double connection (cable+fork busbar) | | | | no | no | no | yes (only downstream) |
| Weight: | | (g) | | 135 (per module) | 135 (per module) | 135 (per module) | 145 (per pole) 145 (per pole) |
| Tripping characteristic | | | | C | C B | C | C B D |
| Rated currents available In: | | (A) | | - | - | - | 1 - - |
| | | | | 2 | - | - | 2 - - |
| | | | | - | - | - | 3 - - |
| | | | | - | - | - | 4 - - |
| | | | | 6 | 6 6 | 6 | 6 6 6 |
| | | | | 10 | 10 10 | 10 | 10 10 10 |
| | | | | 13 | 13 13 | 13 | 13 13 13 |
| | | | | 16 | 16 16 | 16 | 16 16 16 |
| | | | | 20 | 20 20 | 20 | 20 20 20 |
| | | | | 25 | 25 25 | 25 | 25 25 25 |
| | | | | 32 | 32 32 | 32 | 32 32 32 |
| | | | | - | - | - | 40 40 40 |
| | | | | - | - | - | 50 50 - |
| | | | | - | - | - | 63 63 - |
| | | | | - | - | - | - |
| | | | | - | - | - | - |
| | | | | - | - | - | - |

⁽¹⁾ Breaking capacity of the single pole Icn=4500A

⁽²⁾ ≤95mm² with reduced connection terminal (width connection < 17mm)

| MT | | | | | | | | | | | | | | | | | | MTHP | | | | | |
|---|----|-----|-------------------------------|----|------|---|----|-----|-------------------------------|----|-----|-------------------------------|----|-----|-------------------------------|----|-----|---|-------|----|---|-----|--|
| MT 100 | | | | | | MT 250 | | | | | | | | | | | | MTHP 160 | | | MTHP 250 | | |
|  | | | | | |  | | | | | | | | | | | |  | | |  | | |
| 1-25 | | | 32-63 | | | 6-20 | | | 25 | | | 32-40 | | | 50-63 | | | 63-125 | | | 20-63 | | |
| A | | | A | | | A | | | A | | | A | | | A | | | A | | | A | | |
| 230/400 - 240/415 | | | 230/400 - 240/415 | | | 230/400 - 240/415 | | | 230/400 - 240/415 | | | 230/400 - 240/415 | | | 230/400 - 240/415 | | | 230/400 | | | 230/400 | | |
| 12 AC/DC | | | 12 AC/DC | | | 12 AC/DC | | | 12 AC/DC | | | 12 AC/DC | | | 12 AC/DC | | | 12 AC/DC | | | 12 AC/DC | | |
| 440 AC/220 DC | | | 440 AC/220 DC | | | 440 AC/220 DC | | | 440 AC/220 DC | | | 440 AC/220 DC | | | 440 AC/220 DC | | | 440 AC/220 DC | | | 440 AC/220 DC | | |
| 500 | | | 500 | | | 500 | | | 500 | | | 500 | | | 500 | | | 500 | | | 500 | | |
| 50/60 | | | 50/60 | | | 50/60 | | | 50/60 | | | 50/60 | | | 50/60 | | | 50/60 | | | 50/60 | | |
| 4 | | | 4 | | | 4 | | | 4 | | | 4 | | | 4 | | | 6 | | | 6 | | |
| III | | | III | | | III | | | III | | | III | | | III | | | IV | | | IV | | |
| 1 | 2 | 3,4 | 1 | 2 | 3,4 | 1 | 2 | 3,4 | 1 | 2 | 3,4 | 1 | 2 | 3,4 | 1 | 2 | 3,4 | 1 | 2,3,4 | 1 | 2 | 3,4 | |
| 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 10000 | | | 10000 | | | 25000 | | | 20000 | | | 15000 | | | 12500 | | | 10000 | | | 25000 | | |
| 0.75 Icn | | | 0.75 Icn | | | 0.75 Icn | | | 0.75 Icn | | | 0.75 Icn | | | 0.75 Icn | | | 0.75 Icn | | | 0.75 Icn | | |
| 15 | 30 | 25 | 12.5 | 25 | 20 | 25 | 50 | 40 | 20 | 40 | 30 | 15 | 30 | 25 | 15 | 25 | 20 | 16 | 20 | 25 | 50 | 30 | |
| - | 20 | 15 | - | 15 | 12.5 | - | 30 | 25 | - | 25 | 20 | - | 20 | 15 | - | 15 | 15 | 4.5 | 16 | 6 | 25 | 25 | |
| 50% Icu | | | 50% Icu | | | 50% Icu | | | 50% Icu | | | 50% Icu | | | 50% Icu | | | 50% Icu | | | 75% Icu | | |
| 10 | | | 10 | | | 20 | | | 20 | | | 20 | | | 20 | | | 10 | | | 25 | | |
| 10 | | | 10 | | | 15 | | | 15 | | | 15 | | | 15 | | | 10 | | | 20 | | |
| 15 | | | 15 | | | 25 | | | 25 | | | 25 | | | 25 | | | 15 | | | 30 | | |
| 15 | | | 15 | | | 20 | | | 20 | | | 20 | | | 20 | | | 12 | | | 25 | | |
| 15 | | | 15 | | | 25 | | | 25 | | | 25 | | | 25 | | | 15 | | | 25 | | |
| 12 | | | 12 | | | 20 | | | 20 | | | 20 | | | 20 | | | 12 | | | 20 | | |
| 1x35 - . 2x16 - . 1x16+2x10 | | | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | ≤ 1x70 - ≤ 2x25 - ≤ 2x25+1x10 | | | ≤ 1x70 - ≤ 2x25 - ≤ 2x25+1x10 | | |
| 1x35 - . 2x16 - . 1x16+2x10 | | | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | ≤ 1x50 ⁽²⁾ - ≤ 2x25 - ≤ 3x16 | | | ≤ 1x50 ⁽²⁾ - ≤ 2x25 - ≤ 3x16 | | |
| PZ2 | | | PZ2 | | | PZ2 | | | PZ2 | | | PZ2 | | | PZ2 | | | PZ2 | | | PZ2 | | |
| 10000 | | | 10000 | | | 10000 | | | 10000 | | | 10000 | | | 10000 | | | 10000 | | | 10000 | | |
| 20000 | | | 20000 | | | 20000 | | | 20000 | | | 20000 | | | 20000 | | | 20000 | | | 20000 | | |
| 2 | | | 2 | | | 2 | | | 2 | | | 2 | | | 2 | | | 2 | | | 2 | | |
| yes | | | yes | | | yes | | | yes | | | yes | | | yes | | | yes | | | yes | | |
| yes | | | yes | | | yes | | | yes | | | yes | | | yes | | | yes | | | yes | | |
| any | | | any | | | any | | | any | | | any | | | any | | | any | | | any | | |
| Add-on RCD BD | | | Add-on RCD BD | | | Add-on RCD BD | | | Add-on RCD BD | | | Add-on RCD BD | | | Add-on RCD BD | | | Add-on RCD BDHP | | | Add-on RCD BDHP | | |
| 2 | | | 2 | | | 2 | | | 2 | | | 2 | | | 2 | | | 3.5 / 3 (terminal) | | | 3.5 / 3 (terminal) | | |
| IP20 | | | IP20 | | | IP20 | | | IP20 | | | IP20 | | | IP20 | | | IP20 | | | IP20 | | |
| IP40 | | | IP40 | | | IP40 | | | IP40 | | | IP40 | | | IP40 | | | IP40 | | | IP40 | | |
| 2 | | | 2 | | | 2 | | | 2 | | | 2 | | | 2 | | | 2 | | | 2 | | |
| 55°C - RH 95% | | | 55°C - RH 95% | | | 55°C - RH 95% | | | 55°C - RH 95% | | | 55°C - RH 95% | | | 55°C - RH 95% | | | 55°C - RH 95% | | | 55°C - RH 95% | | |
| 30 | | | 30 | | | 30 | | | 30 | | | 30 | | | 30 | | | 30 | | | 30 | | |
| -25 +60 | | | -25 +60 | | | -25 +60 | | | -25 +60 | | | -25 +60 | | | -25 +60 | | | -25 +60 | | | -25 +60 | | |
| -40 +70 | | | -40 +70 | | | -40 +70 | | | -40 +70 | | | -40 +70 | | | -40 +70 | | | -40 +70 | | | -40 +70 | | |
| yes (only downstream) | | | yes (only downstream) | | | yes (only downstream) | | | yes (only downstream) | | | yes (only downstream) | | | yes (only downstream) | | | no | | | no | | |
| 145 (per pole) | | | 145 (per pole) | | | 145 (per pole) | | | 145 (per pole) | | | 145 (per pole) | | | 145 (per pole) | | | 250 (per pole) | | | 250 (per pole) | | |
| C | B | D | C | | | | | | | | | | | | | | | | | | | | |
| - | - | 1 | - | | | | | | | | | | | | | | | | | | | | |
| - | - | 2 | - | | | | | | | | | | | | | | | | | | | | |
| - | - | 3 | - | | | | | | | | | | | | | | | | | | | | |
| - | - | 4 | - | | | | | | | | | | | | | | | | | | | | |
| 6 | 6 | 6 | 6 | | | | | | | | | | | | | | | | | | | | |
| 10 | 10 | 10 | 10 | | | | | | | | | | | | | | | | | | | | |
| 13 | 13 | 13 | - | | | | | | | | | | | | | | | | | | | | |
| 16 | 16 | 16 | 16 | | | | | | | | | | | | | | | | | | | | |
| 20 | 20 | 20 | 20 | | | | | | | | | | | | | | | | | | | | |
| 25 | 25 | 25 | 25 | | | | | | | | | | | | | | | | | | | | |
| 32 | 32 | 32 | 32 | | | | | | | | | | | | | | | | | | | | |
| 40 | 40 | 40 | 40 | | | | | | | | | | | | | | | | | | | | |
| 50 | 50 | - | 50 | | | | | | | | | | | | | | | | | | | | |
| 63 | 63 | - | 63 | | | | | | | | | | | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | | | | | | | | | | | |

90 MCB

Modular circuit breakers for circuit protection

The 90 MCB range meets any requirement for protection against overcurrent and short-circuit, for all domestic, commercial and industrial applications.

The range comprises MTC, compact miniature circuit breakers (from 2 to 32 A, curves B and C up to 10 kA) MT traditional miniature circuit breakers (from 1 to 63 A, curves B, C and D up to 25 kA) MTHP High-Power Miniature circuit breakers (from 20 to 125 A, curves C and D up to 25 kA).



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MTC - COMPACT MINIATURE CIRCUIT BREAKERS

MTC 45 - C CURVE - 4500 A (EN 60898) - 4.5 KA (EN 60947-2)

| BREAKING CAPACITY 1P | | |
|----------------------|-------------|---------------|
| 230V | EN60898 Icn | EN60947-2 Icu |
| In=6÷32 A | 4500 A | 4,5 kA |

| BREAKING CAPACITY 1P+N-2-3-4P | | |
|-------------------------------|-------------|---------------|
| 230V | EN60898 Icn | EN60947-2 Icu |
| In=2÷32 A | 4500 A | 4 kA |

| BREAKING CAPACITY 3-4P | | |
|------------------------|-------------|---------------|
| 400V | EN60898 Icn | EN60947-2 Icu |
| In=6÷32 A | 4500 A | 4,5 kA |



GW 90 046

COMPACT MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|--|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P | | | | |
| GW 90 005 | 6 A | 230-400 V | 1 | 6/24 |
| GW 90 006 | 10 A | 230-400 V | 1 | 6/24 |
| GW 90 011 | 13 A | 230-400 V | 1 | 6/24 |
| GW 90 007 | 16 A | 230-400 V | 1 | 6/24 |
| GW 90 008 | 20 A | 230-400 V | 1 | 6/24 |
| GW 90 009 | 25 A | 230-400 V | 1 | 6/24 |
| GW 90 010 | 32 A | 230-400 V | 1 | 6/24 |
| No. of poles: 1P+N | | | | |
| GW 90 022 | 2 A | 230 V | 1 | 6/24 |
| GW 90 025 | 6 A | 230 V | 1 | 6/24 |
| GW 90 026 | 10 A | 230 V | 1 | 6/24 |
| GW 90 031 | 13 A | 230 V | 1 | 6/24 |
| GW 90 027 | 16 A | 230 V | 1 | 6/24 |
| GW 90 028 | 20 A | 230 V | 1 | 6/24 |
| GW 90 029 | 25 A | 230 V | 1 | 6/24 |
| GW 90 030 | 32 A | 230 V | 1 | 6/24 |
| No. of poles: 1P+N (N-conductor left) | | | | |
| GW 90 602 | 2 A | 230 V | 1 | 6/24 |
| GW 90 605 | 6 A | 230 V | 1 | 6/24 |
| GW 90 606 | 10 A | 230 V | 1 | 6/24 |
| GW 90 607 | 16 A | 230 V | 1 | 6/24 |
| GW 90 608 | 20 A | 230 V | 1 | 6/24 |
| GW 90 609 | 25 A | 230 V | 1 | 6/24 |
| GW 90 610 | 32 A | 230 V | 1 | 6/24 |
| No. of poles: 2P | | | | |
| GW 90 045 | 6 A | 230 V | 1 | 6/24 |
| GW 90 046 | 10 A | 230 V | 1 | 6/24 |
| GW 90 051 | 13 A | 230 V | 1 | 6/24 |
| GW 90 047 | 16 A | 230 V | 1 | 6/24 |
| GW 90 048 | 20 A | 230 V | 1 | 6/24 |
| GW 90 049 | 25 A | 230 V | 1 | 6/24 |
| GW 90 050 | 32 A | 230 V | 1 | 6/24 |
| No. of poles: 3P | | | | |
| GW 90 065 | 6 A | 230-400 V | 2 | 3/12 |
| GW 90 066 | 10 A | 230-400 V | 2 | 3/12 |
| GW 90 071 | 13 A | 230-400 V | 2 | 3/12 |
| GW 90 067 | 16 A | 230-400 V | 2 | 3/12 |
| GW 90 068 | 20 A | 230-400 V | 2 | 3/12 |
| GW 90 069 | 25 A | 230-400 V | 2 | 3/12 |
| GW 90 070 | 32 A | 230-400 V | 2 | 3/12 |

to be continued on next page



GW 90 046

(CONTINUE)

COMPACT MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 4P | | | | |
| GW 90 085 | 6 A | 230-400 V | 2 | 3/12 |
| GW 90 086 | 10 A | 230-400 V | 2 | 3/12 |
| GW 90 091 | 13 A | 230-400 V | 2 | 3/12 |
| GW 90 087 | 16 A | 230-400 V | 2 | 3/12 |
| GW 90 088 | 20 A | 230-400 V | 2 | 3/12 |
| GW 90 089 | 25 A | 230-400 V | 2 | 3/12 |
| GW 90 090 | 32 A | 230-400 V | 2 | 3/12 |

MTC 60 - C CURVE - 6000 A (EN 60898) - 6 KA (EN 60947-2)

| BREAKING CAPACITY 1P+N-2-3-4P | | |
|-------------------------------|---------|-----------|
| 230V | EN60898 | EN60947-2 |
| I _n =6+32 A | 6000 A | 7,5 kA |

| BREAKING CAPACITY 3-4P | | |
|------------------------|---------|-----------|
| 400V | EN60898 | EN60947-2 |
| I _n =6+32 A | 6000 A | 6 kA |



GW 90 290

COMPACT MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P+N | | | | |
| GW 90 225 | 6 A | 230 V | 1 | 6/24 |
| GW 90 226 | 10 A | 230 V | 1 | 6/24 |
| GW 90 231 | 13 A | 230 V | 1 | 6/24 |
| GW 90 227 | 16 A | 230 V | 1 | 6/24 |
| GW 90 228 | 20 A | 230 V | 1 | 6/24 |
| GW 90 229 | 25 A | 230 V | 1 | 6/24 |
| GW 90 230 | 32 A | 230 V | 1 | 6/24 |
| No. of poles: 2P | | | | |
| GW 90 245 | 6 A | 230 V | 1 | 6/24 |
| GW 90 246 | 10 A | 230 V | 1 | 6/24 |
| GW 90 251 | 13 A | 230 V | 1 | 6/24 |
| GW 90 247 | 16 A | 230 V | 1 | 6/24 |
| GW 90 248 | 20 A | 230 V | 1 | 6/24 |
| GW 90 249 | 25 A | 230 V | 1 | 6/24 |
| GW 90 250 | 32 A | 230 V | 1 | 6/24 |
| No. of poles: 3P | | | | |
| GW 90 265 | 6 A | 230-400 V | 2 | 3/12 |
| GW 90 266 | 10 A | 230-400 V | 2 | 3/12 |
| GW 90 271 | 13 A | 230-400 V | 2 | 3/12 |
| GW 90 267 | 16 A | 230-400 V | 2 | 3/12 |
| GW 90 268 | 20 A | 230-400 V | 2 | 3/12 |
| GW 90 269 | 25 A | 230-400 V | 2 | 3/12 |
| GW 90 270 | 32 A | 230-400 V | 2 | 3/12 |
| No. of poles: 4P | | | | |
| GW 90 285 | 6 A | 230-400 V | 2 | 3/12 |
| GW 90 286 | 10 A | 230-400 V | 2 | 3/12 |
| GW 90 291 | 13 A | 230-400 V | 2 | 3/12 |
| GW 90 287 | 16 A | 230-400 V | 2 | 3/12 |
| GW 90 288 | 20 A | 230-400 V | 2 | 3/12 |
| GW 90 289 | 25 A | 230-400 V | 2 | 3/12 |
| GW 90 290 | 32 A | 230-400 V | 2 | 3/12 |

90 MCB

MTC 60 - B CURVE - 6000 A (EN 60898) - 7,5 KA (EN 60947-2)

| BREAKING CAPACITY 1P+N-2P | | |
|---------------------------|----------------------------|------------------------------|
| 230V | EN60898 I _{cn} | EN60947-2 I _{cu} |
| In=6÷32 A | 6000 A | 7,5 kA |



GW 90 326

COMPACT MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|--------------------|---------------|---------------|----------------------------|----------------|
| No. of poles: 1P+N | | | | |
| GW 90 325 | 6 A | 230 V | 1 | 6/24 |
| GW 90 326 | 10 A | 230 V | 1 | 6/24 |
| GW 90 327 | 13 A | 230 V | 1 | 6/24 |
| GW 90 328 | 16 A | 230 V | 1 | 6/24 |
| GW 90 329 | 20 A | 230 V | 1 | 6/24 |
| GW 90 330 | 25 A | 230 V | 1 | 6/24 |
| GW 90 331 | 32 A | 230 V | 1 | 6/24 |
| No. of poles: 2P | | | | |
| GW 90 345 | 6 A | 230 V | 1 | 6/24 |
| GW 90 346 | 10 A | 230 V | 1 | 6/24 |
| GW 90 347 | 13 A | 230 V | 1 | 6/24 |
| GW 90 348 | 16 A | 230 V | 1 | 6/24 |
| GW 90 349 | 20 A | 230 V | 1 | 6/24 |
| GW 90 350 | 25 A | 230 V | 1 | 6/24 |
| GW 90 351 | 32 A | 230 V | 1 | 6/24 |

MTC 100 - C CURVE - 10000 A (EN 60898) - 10 KA (EN 60947-2)

| BREAKING CAPACITY 1P+N-2P | | |
|---------------------------|----------------------------|------------------------------|
| 230V | EN60898 I _{cn} | EN60947-2 I _{cu} |
| In=6÷32 A | 10000 A | 10 kA |



GW 90 446

COMPACT MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|--------------------|---------------|---------------|----------------------------|----------------|
| No. of poles: 1P+N | | | | |
| GW 90 425 | 6 A | 230 V | 1 | 6/24 |
| GW 90 426 | 10 A | 230 V | 1 | 6/24 |
| GW 90 431 | 13 A | 230 V | 1 | 6/24 |
| GW 90 427 | 16 A | 230 V | 1 | 6/24 |
| GW 90 428 | 20 A | 230 V | 1 | 6/24 |
| GW 90 429 | 25 A | 230 V | 1 | 6/24 |
| GW 90 430 | 32 A | 230 V | 1 | 6/24 |
| No. of poles: 2P | | | | |
| GW 90 445 | 6 A | 230 V | 1 | 6/24 |
| GW 90 446 | 10 A | 230 V | 1 | 6/24 |
| GW 90 451 | 13 A | 230 V | 1 | 6/24 |
| GW 90 447 | 16 A | 230 V | 1 | 6/24 |
| GW 90 448 | 20 A | 230 V | 1 | 6/24 |
| GW 90 449 | 25 A | 230 V | 1 | 6/24 |
| GW 90 450 | 32 A | 230 V | 1 | 6/24 |

MT - MINIATURE CIRCUIT BREAKERS

MT 45 - C CURVE - 4500 A (EN 60898) - 6 KA (EN 60947-2)

| BREAKING CAPACITY 1P, 1P+N | | | |
|----------------------------|---------|-----------|--|
| 230V | EN60898 | EN60947-2 | |
| In=6+40 A | 4500 A | 6 kA | |

| BREAKING CAPACITY 2-3-4P | | | |
|--------------------------|---------|-----------|--|
| 230V | EN60898 | EN60947-2 | |
| In=6+40 A | 4500 A | 6 kA | |



GW 92 149

MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P | | | | |
| GW 92 105 | 6 A | 230-400 V | 1 | 6/24 |
| GW 92 106 | 10 A | 230-400 V | 1 | 6/24 |
| GW 92 107 | 13 A | 230-400 V | 1 | 6/24 |
| GW 92 108 | 16 A | 230-400 V | 1 | 6/24 |
| GW 92 109 | 20 A | 230-400 V | 1 | 6/24 |
| GW 92 110 | 25 A | 230-400 V | 1 | 6/24 |
| GW 92 111 | 32 A | 230-400 V | 1 | 6/24 |
| GW 92 112 | 40 A | 230-400 V | 1 | 6/24 |
| No. of poles: 1P+N | | | | |
| GW 92 125 | 6 A | 230 V | 2 | 3/12 |
| GW 92 126 | 10 A | 230 V | 2 | 3/12 |
| GW 92 127 | 13 A | 230 V | 2 | 3/12 |
| GW 92 128 | 16 A | 230 V | 2 | 3/12 |
| GW 92 129 | 20 A | 230 V | 2 | 3/12 |
| GW 92 130 | 25 A | 230 V | 2 | 3/12 |
| GW 92 131 | 32 A | 230 V | 2 | 3/12 |
| GW 92 132 | 40 A | 230 V | 2 | 3/12 |
| No. of poles: 2P | | | | |
| GW 92 145 | 6 A | 230-400 V | 2 | 3/12 |
| GW 92 146 | 10 A | 230-400 V | 2 | 3/12 |
| GW 92 147 | 13 A | 230-400 V | 2 | 3/12 |
| GW 92 148 | 16 A | 230-400 V | 2 | 3/12 |
| GW 92 149 | 20 A | 230-400 V | 2 | 3/12 |
| GW 92 150 | 25 A | 230-400 V | 2 | 3/12 |
| GW 92 151 | 32 A | 230-400 V | 2 | 3/12 |
| GW 92 152 | 40 A | 230-400 V | 2 | 3/12 |
| No. of poles: 3P | | | | |
| GW 92 165 | 6 A | 230-400 V | 3 | 2/8 |
| GW 92 166 | 10 A | 230-400 V | 3 | 2/8 |
| GW 92 167 | 13 A | 230-400 V | 3 | 2/8 |
| GW 92 168 | 16 A | 230-400 V | 3 | 2/8 |
| GW 92 169 | 20 A | 230-400 V | 3 | 2/8 |
| GW 92 170 | 25 A | 230-400 V | 3 | 2/8 |
| GW 92 171 | 32 A | 230-400 V | 3 | 2/8 |
| GW 92 172 | 40 A | 230-400 V | 3 | 2/8 |
| No. of poles: 4P | | | | |
| GW 92 185 | 6 A | 230-400 V | 4 | 1/3 |
| GW 92 186 | 10 A | 230-400 V | 4 | 1/3 |
| GW 92 187 | 13 A | 230-400 V | 4 | 1/3 |
| GW 92 188 | 16 A | 230-400 V | 4 | 1/3 |
| GW 92 189 | 20 A | 230-400 V | 4 | 1/3 |
| GW 92 190 | 25 A | 230-400 V | 4 | 1/3 |
| GW 92 191 | 32 A | 230-400 V | 4 | 1/3 |
| GW 92 192 | 40 A | 230-400 V | 4 | 1/3 |

MT 45 - B CURVE - 4500 A (EN 60898) - 6 KA (EN 60947-2)

| BREAKING CAPACITY 1P, 1P+N | | |
|----------------------------|---------|-----------|
| 230V | EN60898 | EN60947-2 |
| In=6+40 A | 4500 A | 6 kA |

| BREAKING CAPACITY 2-3-4P | | |
|--------------------------|---------|-----------|
| 230V | EN60898 | EN60947-2 |
| In=6+40 A | 4500 A | 6 kA |



GW 92 371

MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---------------------------|---------------|---------------|----------------------------|----------------|
| No. of poles: 1P | | | | |
| GW 92 305 | 6 A | 230-400 V | 1 | 6/24 |
| GW 92 306 | 10 A | 230-400 V | 1 | 6/24 |
| GW 92 307 | 13 A | 230-400 V | 1 | 6/24 |
| GW 92 308 | 16 A | 230-400 V | 1 | 6/24 |
| GW 92 309 | 20 A | 230-400 V | 1 | 6/24 |
| GW 92 310 | 25 A | 230-400 V | 1 | 6/24 |
| GW 92 311 | 32 A | 230-400 V | 1 | 6/24 |
| GW 92 312 | 40 A | 230-400 V | 1 | 6/24 |
| No. of poles: 1P+N | | | | |
| GW 92 325 | 6 A | 230 V | 2 | 3/12 |
| GW 92 326 | 10 A | 230 V | 2 | 3/12 |
| GW 92 327 | 13 A | 230 V | 2 | 3/12 |
| GW 92 328 | 16 A | 230 V | 2 | 3/12 |
| GW 92 329 | 20 A | 230 V | 2 | 3/12 |
| GW 92 330 | 25 A | 230 V | 2 | 3/12 |
| GW 92 331 | 32 A | 230 V | 2 | 3/12 |
| GW 92 332 | 40 A | 230 V | 2 | 3/12 |
| No. of poles: 2P | | | | |
| GW 92 345 | 6 A | 230-400 V | 2 | 3/12 |
| GW 92 346 | 10 A | 230-400 V | 2 | 3/12 |
| GW 92 347 | 13 A | 230-400 V | 2 | 3/12 |
| GW 92 348 | 16 A | 230-400 V | 2 | 3/12 |
| GW 92 349 | 20 A | 230-400 V | 2 | 3/12 |
| GW 92 350 | 25 A | 230-400 V | 2 | 3/12 |
| GW 92 351 | 32 A | 230-400 V | 2 | 3/12 |
| GW 92 352 | 40 A | 230-400 V | 2 | 3/12 |
| No. of poles: 3P | | | | |
| GW 92 365 | 6 A | 230-400 V | 3 | 2/8 |
| GW 92 366 | 10 A | 230-400 V | 3 | 2/8 |
| GW 92 367 | 13 A | 230-400 V | 3 | 2/8 |
| GW 92 368 | 16 A | 230-400 V | 3 | 2/8 |
| GW 92 369 | 20 A | 230-400 V | 3 | 2/8 |
| GW 92 370 | 25 A | 230-400 V | 3 | 2/8 |
| GW 92 371 | 32 A | 230-400 V | 3 | 2/8 |
| GW 92 372 | 40 A | 230-400 V | 3 | 2/8 |
| No. of poles: 4P | | | | |
| GW 92 385 | 6 A | 230-400 V | 4 | 1/3 |
| GW 92 386 | 10 A | 230-400 V | 4 | 1/3 |
| GW 92 387 | 13 A | 230-400 V | 4 | 1/3 |
| GW 92 388 | 16 A | 230-400 V | 4 | 1/3 |
| GW 92 389 | 20 A | 230-400 V | 4 | 1/3 |
| GW 92 390 | 25 A | 230-400 V | 4 | 1/3 |
| GW 92 391 | 32 A | 230-400 V | 4 | 1/3 |
| GW 92 392 | 40 A | 230-400 V | 4 | 1/3 |

MT 60 - C CURVE - 6000 A (EN 60898) - 10 KA (EN 60947-2)

| BREAKING CAPACITY 1P, 1P+N | | | |
|----------------------------|---------|-----------|-----|
| 230V | EN60898 | EN60947-2 | Icu |
| I _n =1÷63 A | 6000 A | 10 kA | |

| BREAKING CAPACITY 2-3-4P | | | |
|--------------------------|---------|-----------|-----|
| 230V | EN60898 | EN60947-2 | Icu |
| I _n =1÷63 A | 6000 A | 20 kA | |

| BREAKING CAPACITY 2-3-4P | | | |
|--------------------------|---------|-----------|-----|
| 400V | EN60898 | EN60947-2 | Icu |
| I _n =1÷63 A | 6000 A | 10 kA | |



GW 92 048

MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P | | | | |
| GW 92 001 | 1 A | 230-400 V | 1 | 6/24 |
| GW 92 002 | 2 A | 230-400 V | 1 | 6/24 |
| GW 92 003 | 3 A | 230-400 V | 1 | 6/24 |
| GW 92 004 | 4 A | 230-400 V | 1 | 6/24 |
| GW 92 005 | 6 A | 230-400 V | 1 | 6/24 |
| GW 92 006 | 10 A | 230-400 V | 1 | 6/24 |
| GW 92 014 | 13 A | 230-400 V | 1 | 6/24 |
| GW 92 007 | 16 A | 230-400 V | 1 | 6/24 |
| GW 92 008 | 20 A | 230-400 V | 1 | 6/24 |
| GW 92 009 | 25 A | 230-400 V | 1 | 6/24 |
| GW 92 010 | 32 A | 230-400 V | 1 | 6/24 |
| GW 92 011 | 40 A | 230-400 V | 1 | 6/24 |
| GW 92 012 | 50 A | 230-400 V | 1 | 6/24 |
| GW 92 013 | 63 A | 230-400 V | 1 | 6/24 |
| No. of poles: 1P+N | | | | |
| GW 92 021 | 1 A | 230 V | 2 | 3/12 |
| GW 92 022 | 2 A | 230 V | 2 | 3/12 |
| GW 92 023 | 3 A | 230 V | 2 | 3/12 |
| GW 92 024 | 4 A | 230 V | 2 | 3/12 |
| GW 92 025 | 6 A | 230 V | 2 | 3/12 |
| GW 92 026 | 10 A | 230 V | 2 | 3/12 |
| GW 92 034 | 13 A | 230 V | 2 | 3/12 |
| GW 92 027 | 16 A | 230 V | 2 | 3/12 |
| GW 92 028 | 20 A | 230 V | 2 | 3/12 |
| GW 92 029 | 25 A | 230 V | 2 | 3/12 |
| GW 92 030 | 32 A | 230 V | 2 | 3/12 |
| GW 92 031 | 40 A | 230 V | 2 | 3/12 |
| GW 92 032 | 50 A | 230 V | 2 | 3/12 |
| GW 92 033 | 63 A | 230 V | 2 | 3/12 |
| No. of poles: 2P | | | | |
| GW 92 041 | 1 A | 230-400 V | 2 | 3/12 |
| GW 92 042 | 2 A | 230-400 V | 2 | 3/12 |
| GW 92 043 | 3 A | 230-400 V | 2 | 3/12 |
| GW 92 044 | 4 A | 230-400 V | 2 | 3/12 |
| GW 92 045 | 6 A | 230-400 V | 2 | 3/12 |
| GW 92 046 | 10 A | 230-400 V | 2 | 3/12 |
| GW 92 054 | 13 A | 230-400 V | 2 | 3/12 |
| GW 92 047 | 16 A | 230-400 V | 2 | 3/12 |
| GW 92 048 | 20 A | 230-400 V | 2 | 3/12 |
| GW 92 049 | 25 A | 230-400 V | 2 | 3/12 |
| GW 92 050 | 32 A | 230-400 V | 2 | 3/12 |
| GW 92 051 | 40 A | 230-400 V | 2 | 3/12 |
| GW 92 052 | 50 A | 230-400 V | 2 | 3/12 |
| GW 92 053 | 63 A | 230-400 V | 2 | 3/12 |
| No. of poles: 3P | | | | |
| GW 92 061 | 1 A | 230-400 V | 3 | 2/8 |
| GW 92 062 | 2 A | 230-400 V | 3 | 2/8 |
| GW 92 063 | 3 A | 230-400 V | 3 | 2/8 |
| GW 92 064 | 4 A | 230-400 V | 3 | 2/8 |
| GW 92 065 | 6 A | 230-400 V | 3 | 2/8 |
| GW 92 066 | 10 A | 230-400 V | 3 | 2/8 |
| GW 92 074 | 13 A | 230-400 V | 3 | 2/8 |
| GW 92 067 | 16 A | 230-400 V | 3 | 2/8 |
| GW 92 068 | 20 A | 230-400 V | 3 | 2/8 |
| GW 92 069 | 25 A | 230-400 V | 3 | 2/8 |
| GW 92 070 | 32 A | 230-400 V | 3 | 2/8 |
| GW 92 071 | 40 A | 230-400 V | 3 | 2/8 |
| GW 92 072 | 50 A | 230-400 V | 3 | 2/8 |
| GW 92 073 | 63 A | 230-400 V | 3 | 2/8 |

to be continued on next page



GW 92 048

(CONTINUE)
MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 4P | | | | |
| GW 92 081 | 1 A | 230-400 V | 4 | 1/3 |
| GW 92 082 | 2 A | 230-400 V | 4 | 1/3 |
| GW 92 083 | 3 A | 230-400 V | 4 | 1/3 |
| GW 92 084 | 4 A | 230-400 V | 4 | 1/3 |
| GW 92 085 | 6 A | 230-400 V | 4 | 1/3 |
| GW 92 086 | 10 A | 230-400 V | 4 | 1/3 |
| GW 92 094 | 13 A | 230-400 V | 4 | 1/3 |
| GW 92 087 | 16 A | 230-400 V | 4 | 1/3 |
| GW 92 088 | 20 A | 230-400 V | 4 | 1/3 |
| GW 92 089 | 25 A | 230-400 V | 4 | 1/3 |
| GW 92 090 | 32 A | 230-400 V | 4 | 1/3 |
| GW 92 091 | 40 A | 230-400 V | 4 | 1/3 |
| GW 92 092 | 50 A | 230-400 V | 4 | 1/3 |
| GW 92 093 | 63 A | 230-400 V | 4 | 1/3 |

MT 60 - B CURVE - 6000 A (EN 60898) - 10 KA (EN 60947-2)

| BREAKING CAPACITY 1P | | | |
|------------------------|---------|-----------|--|
| 230V | EN60898 | EN60947-2 | |
| I _n =6+63 A | 6000 A | 10 kA | |

| BREAKING CAPACITY 2-3-4P | | | |
|--------------------------|---------|-----------|--|
| 230V | EN60898 | EN60947-2 | |
| I _n =6+63 A | 6000 A | 20 kA | |

| BREAKING CAPACITY 2-3-4P | | | |
|--------------------------|---------|-----------|--|
| 400V | EN60898 | EN60947-2 | |
| I _n =6+63 A | 6000 A | 10 kA | |



GW 92 292

MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|----------------------------|----------------|
| No. of poles: 1P | | | | |
| GW 92 205 | 6 A | 230-400 V | 1 | 6/24 |
| GW 92 206 | 10 A | 230-400 V | 1 | 6/24 |
| GW 92 214 | 13 A | 230-400 V | 1 | 6/24 |
| GW 92 207 | 16 A | 230-400 V | 1 | 6/24 |
| GW 92 208 | 20 A | 230-400 V | 1 | 6/24 |
| GW 92 209 | 25 A | 230-400 V | 1 | 6/24 |
| GW 92 210 | 32 A | 230-400 V | 1 | 6/24 |
| GW 92 211 | 40 A | 230-400 V | 1 | 6/24 |
| GW 92 212 | 50 A | 230-400 V | 1 | 6/24 |
| GW 92 213 | 63 A | 230-400 V | 1 | 6/24 |
| No. of poles: 2P | | | | |
| GW 92 245 | 6 A | 230-400 V | 2 | 3/12 |
| GW 92 246 | 10 A | 230-400 V | 2 | 3/12 |
| GW 92 254 | 13 A | 230-400 V | 2 | 3/12 |
| GW 92 247 | 16 A | 230-400 V | 2 | 3/12 |
| GW 92 248 | 20 A | 230-400 V | 2 | 3/12 |
| GW 92 249 | 25 A | 230-400 V | 2 | 3/12 |
| GW 92 250 | 32 A | 230-400 V | 2 | 3/12 |
| GW 92 251 | 40 A | 230-400 V | 2 | 3/12 |
| GW 92 252 | 50 A | 230-400 V | 2 | 3/12 |
| GW 92 253 | 63 A | 230-400 V | 2 | 3/12 |
| No. of poles: 3P | | | | |
| GW 92 265 | 6 A | 230-400 V | 3 | 2/8 |
| GW 92 266 | 10 A | 230-400 V | 3 | 2/8 |
| GW 92 274 | 13 A | 230-400 V | 3 | 2/8 |
| GW 92 267 | 16 A | 230-400 V | 3 | 2/8 |
| GW 92 268 | 20 A | 230-400 V | 3 | 2/8 |
| GW 92 269 | 25 A | 230-400 V | 3 | 2/8 |
| GW 92 270 | 32 A | 230-400 V | 3 | 2/8 |
| GW 92 271 | 40 A | 230-400 V | 3 | 2/8 |
| GW 92 272 | 50 A | 230-400 V | 3 | 2/8 |
| GW 92 273 | 63 A | 230-400 V | 3 | 2/8 |
| No. of poles: 4P | | | | |
| GW 92 285 | 6 A | 230-400 V | 4 | 1/3 |
| GW 92 286 | 10 A | 230-400 V | 4 | 1/3 |
| GW 92 294 | 13 A | 230-400 V | 4 | 1/3 |
| GW 92 287 | 16 A | 230-400 V | 4 | 1/3 |
| GW 92 288 | 20 A | 230-400 V | 4 | 1/3 |
| GW 92 289 | 25 A | 230-400 V | 4 | 1/3 |
| GW 92 290 | 32 A | 230-400 V | 4 | 1/3 |
| GW 92 291 | 40 A | 230-400 V | 4 | 1/3 |
| GW 92 292 | 50 A | 230-400 V | 4 | 1/3 |
| GW 92 293 | 63 A | 230-400 V | 4 | 1/3 |

MT 60 - D CURVE - 6000 A (EN 60898) - 10 KA (EN 60947-2)

| BREAKING CAPACITY 1P | | |
|----------------------|---------|-----------|
| 230V | EN60898 | EN60947-2 |
| In=6+40 A | 6000 A | 10 kA |

| BREAKING CAPACITY 2-3-4P | | |
|--------------------------|---------|-----------|
| 230V | EN60898 | EN60947-2 |
| In=6+40 A | 6000 A | 20 kA |

| BREAKING CAPACITY 2-3-4P | | |
|--------------------------|---------|-----------|
| 400V | EN60898 | EN60947-2 |
| In=6+40 A | 6000 A | 10 kA |



GW 92 470

MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|----------------------------|----------------|
| No. of poles: 1P | | | | |
| GW 92 405 | 6 A | 230-400 V | 1 | 6/24 |
| GW 92 406 | 10 A | 230-400 V | 1 | 6/24 |
| GW 92 414 | 13 A | 230-400 V | 1 | 6/24 |
| GW 92 407 | 16 A | 230-400 V | 1 | 6/24 |
| GW 92 408 | 20 A | 230-400 V | 1 | 6/24 |
| GW 92 409 | 25 A | 230-400 V | 1 | 6/24 |
| GW 92 410 | 32 A | 230-400 V | 1 | 6/24 |
| GW 92 411 | 40 A | 230-400 V | 1 | 6/24 |
| No. of poles: 2P | | | | |
| GW 92 445 | 6 A | 230-400 V | 2 | 3/12 |
| GW 92 446 | 10 A | 230-400 V | 2 | 3/12 |
| GW 92 454 | 13 A | 230-400 V | 2 | 3/12 |
| GW 92 447 | 16 A | 230-400 V | 2 | 3/12 |
| GW 92 448 | 20 A | 230-400 V | 2 | 3/12 |
| GW 92 449 | 25 A | 230-400 V | 2 | 3/12 |
| GW 92 450 | 32 A | 230-400 V | 2 | 3/12 |
| GW 92 451 | 40 A | 230-400 V | 2 | 3/12 |
| No. of poles: 3P | | | | |
| GW 92 465 | 6 A | 230-400 V | 3 | 2/8 |
| GW 92 466 | 10 A | 230-400 V | 3 | 2/8 |
| GW 92 474 | 13 A | 230-400 V | 3 | 2/8 |
| GW 92 467 | 16 A | 230-400 V | 3 | 2/8 |
| GW 92 468 | 20 A | 230-400 V | 3 | 2/8 |
| GW 92 469 | 25 A | 230-400 V | 3 | 2/8 |
| GW 92 470 | 32 A | 230-400 V | 3 | 2/8 |
| GW 92 471 | 40 A | 230-400 V | 3 | 2/8 |
| No. of poles: 4P | | | | |
| GW 92 485 | 6 A | 230-400 V | 4 | 1/3 |
| GW 92 486 | 10 A | 230-400 V | 4 | 1/3 |
| GW 92 494 | 13 A | 230-400 V | 4 | 1/3 |
| GW 92 487 | 16 A | 230-400 V | 4 | 1/3 |
| GW 92 488 | 20 A | 230-400 V | 4 | 1/3 |
| GW 92 489 | 25 A | 230-400 V | 4 | 1/3 |
| GW 92 490 | 32 A | 230-400 V | 4 | 1/3 |
| GW 92 491 | 40 A | 230-400 V | 4 | 1/3 |

MT 100 - C CURVE - 10000 A (EN 60898) - UP TO 15 KA (EN 60947-2)

| BREAKING CAPACITY 1P | | | |
|-------------------------|---------|-----------|-----|
| 230V | EN60898 | EN60947-2 | |
| | Icu | Icu | Icu |
| I _n =6÷25 A | 10000 A | 15 kA | |
| I _n =32÷63 A | 10000 A | 12,5 kA | |

| BREAKING CAPACITY 2P | | | |
|-------------------------|---------|-----------|-----|
| 230V | EN60898 | EN60947-2 | |
| | Icu | Icu | Icu |
| I _n =6÷25 A | 10000 A | 30 kA | |
| I _n =32÷63 A | 10000 A | 25 kA | |

| BREAKING CAPACITY 2P | | | |
|-------------------------|---------|-----------|-----|
| 400V | EN60898 | EN60947-2 | |
| | Icu | Icu | Icu |
| I _n =6÷25 A | 10000 A | 20 kA | |
| I _n =32÷63 A | 10000 A | 15 kA | |

| BREAKING CAPACITY 3-4P | | | |
|-------------------------|---------|-----------|-----|
| 230V | EN60898 | EN60947-2 | |
| | Icu | Icu | Icu |
| I _n =6÷25 A | 10000 A | 25 kA | |
| I _n =32÷63 A | 10000 A | 20 kA | |

| BREAKING CAPACITY 3-4P | | | |
|-------------------------|---------|-----------|-----|
| 400V | EN60898 | EN60947-2 | |
| | Icu | Icu | Icu |
| I _n =6÷25 A | 10000 A | 15 kA | |
| I _n =32÷63 A | 10000 A | 12,5 kA | |



GW 92 692

MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|----------------------------|----------------|
| No. of poles: 1P | | | | |
| GW 92 605 | 6 A | 230-400 V | 1 | 6/24 |
| GW 92 606 | 10 A | 230-400 V | 1 | 6/24 |
| GW 92 614 | 13 A | 230-400 V | 1 | 6/24 |
| GW 92 607 | 16 A | 230-400 V | 1 | 6/24 |
| GW 92 608 | 20 A | 230-400 V | 1 | 6/24 |
| GW 92 609 | 25 A | 230-400 V | 1 | 6/24 |
| GW 92 610 | 32 A | 230-400 V | 1 | 6/24 |
| GW 92 611 | 40 A | 230-400 V | 1 | 6/24 |
| GW 92 612 | 50 A | 230-400 V | 1 | 6/24 |
| GW 92 613 | 63 A | 230-400 V | 1 | 6/24 |
| No. of poles: 2P | | | | |
| GW 92 645 | 6 A | 230-400 V | 2 | 3/12 |
| GW 92 646 | 10 A | 230-400 V | 2 | 3/12 |
| GW 92 654 | 13 A | 230-400 V | 2 | 3/12 |
| GW 92 647 | 16 A | 230-400 V | 2 | 3/12 |
| GW 92 648 | 20 A | 230-400 V | 2 | 3/12 |
| GW 92 649 | 25 A | 230-400 V | 2 | 3/12 |
| GW 92 650 | 32 A | 230-400 V | 2 | 3/12 |
| GW 92 651 | 40 A | 230-400 V | 2 | 3/12 |
| GW 92 652 | 50 A | 230-400 V | 2 | 3/12 |
| GW 92 653 | 63 A | 230-400 V | 2 | 3/12 |
| No. of poles: 3P | | | | |
| GW 92 665 | 6 A | 230-400 V | 3 | 2/8 |
| GW 92 666 | 10 A | 230-400 V | 3 | 2/8 |
| GW 92 674 | 13 A | 230-400 V | 3 | 2/8 |
| GW 92 667 | 16 A | 230-400 V | 3 | 2/8 |
| GW 92 668 | 20 A | 230-400 V | 3 | 2/8 |
| GW 92 669 | 25 A | 230-400 V | 3 | 2/8 |
| GW 92 670 | 32 A | 230-400 V | 3 | 2/8 |
| GW 92 671 | 40 A | 230-400 V | 3 | 2/8 |
| GW 92 672 | 50 A | 230-400 V | 3 | 2/8 |
| GW 92 673 | 63 A | 230-400 V | 3 | 2/8 |
| No. of poles: 4P | | | | |
| GW 92 685 | 6 A | 230-400 V | 4 | 1/3 |
| GW 92 686 | 10 A | 230-400 V | 4 | 1/3 |
| GW 92 694 | 13 A | 230-400 V | 4 | 1/3 |
| GW 92 687 | 16 A | 230-400 V | 4 | 1/3 |
| GW 92 688 | 20 A | 230-400 V | 4 | 1/3 |
| GW 92 689 | 25 A | 230-400 V | 4 | 1/3 |
| GW 92 690 | 32 A | 230-400 V | 4 | 1/3 |
| GW 92 691 | 40 A | 230-400 V | 4 | 1/3 |
| GW 92 692 | 50 A | 230-400 V | 4 | 1/3 |
| GW 92 693 | 63 A | 230-400 V | 4 | 1/3 |

MT 100 - B CURVE - 10000 A (EN 60898) - UP TO 15 KA (EN 60947-2)

| BREAKING CAPACITY 1P | | | |
|-------------------------|----------------|------------------|--|
| 230V | EN60898 Icu | EN60947-2 Icu | |
| I _n =6÷25 A | 10000 A | 15 kA | |
| I _n =32÷63 A | 10000 A | 12,5 kA | |

| BREAKING CAPACITY 2P | | | |
|-------------------------|----------------|------------------|--|
| 230V | EN60898 Icu | EN60947-2 Icu | |
| I _n =6÷25 A | 10000 A | 30 kA | |
| I _n =32÷63 A | 10000 A | 25 kA | |

| BREAKING CAPACITY 2P | | | |
|-------------------------|----------------|------------------|--|
| 400V | EN60898 Icu | EN60947-2 Icu | |
| I _n =6÷25 A | 10000 A | 20 kA | |
| I _n =32÷63 A | 10000 A | 15 kA | |

| BREAKING CAPACITY 3-4P | | | |
|-------------------------|----------------|------------------|--|
| 230V | EN60898 Icu | EN60947-2 Icu | |
| I _n =6÷25 A | 10000 A | 25 kA | |
| I _n =32÷63 A | 10000 A | 20 kA | |

| BREAKING CAPACITY 3-4P | | | |
|-------------------------|----------------|------------------|--|
| 400V | EN60898 Icu | EN60947-2 Icu | |
| I _n =6÷25 A | 10000 A | 15 kA | |
| I _n =32÷63 A | 10000 A | 12,5 kA | |



GW 92 549

MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|----------------------------|----------------|
| No. of poles: 1P | | | | |
| GW 92 505 | 6 A | 230-400 V | 1 | 6/24 |
| GW 92 506 | 10 A | 230-400 V | 1 | 6/24 |
| GW 92 507 | 13 A | 230-400 V | 1 | 6/24 |
| GW 92 508 | 16 A | 230-400 V | 1 | 6/24 |
| GW 92 509 | 20 A | 230-400 V | 1 | 6/24 |
| GW 92 510 | 25 A | 230-400 V | 1 | 6/24 |
| GW 92 511 | 32 A | 230-400 V | 1 | 6/24 |
| GW 92 512 | 40 A | 230-400 V | 1 | 6/24 |
| GW 92 513 | 50 A | 230-400 V | 1 | 6/24 |
| GW 92 514 | 63 A | 230-400 V | 1 | 6/24 |
| No. of poles: 2P | | | | |
| GW 92 545 | 6 A | 230-400 V | 2 | 3/12 |
| GW 92 546 | 10 A | 230-400 V | 2 | 3/12 |
| GW 92 547 | 13 A | 230-400 V | 2 | 3/12 |
| GW 92 548 | 16 A | 230-400 V | 2 | 3/12 |
| GW 92 549 | 20 A | 230-400 V | 2 | 3/12 |
| GW 92 550 | 25 A | 230-400 V | 2 | 3/12 |
| GW 92 551 | 32 A | 230-400 V | 2 | 3/12 |
| GW 92 552 | 40 A | 230-400 V | 2 | 3/12 |
| GW 92 553 | 50 A | 230-400 V | 2 | 3/12 |
| GW 92 554 | 63 A | 230-400 V | 2 | 3/12 |
| No. of poles: 3P | | | | |
| GW 92 565 | 6 A | 230-400 V | 3 | 2/8 |
| GW 92 566 | 10 A | 230-400 V | 3 | 2/8 |
| GW 92 567 | 13 A | 230-400 V | 3 | 2/8 |
| GW 92 568 | 16 A | 230-400 V | 3 | 2/8 |
| GW 92 569 | 20 A | 230-400 V | 3 | 2/8 |
| GW 92 570 | 25 A | 230-400 V | 3 | 2/8 |
| GW 92 571 | 32 A | 230-400 V | 3 | 2/8 |
| GW 92 572 | 40 A | 230-400 V | 3 | 2/8 |
| GW 92 573 | 50 A | 230-400 V | 3 | 2/8 |
| GW 92 574 | 63 A | 230-400 V | 3 | 2/8 |
| No. of poles: 4P | | | | |
| GW 92 585 | 6 A | 230-400 V | 4 | 1/3 |
| GW 92 586 | 10 A | 230-400 V | 4 | 1/3 |
| GW 92 587 | 13 A | 230-400 V | 4 | 1/3 |
| GW 92 588 | 16 A | 230-400 V | 4 | 1/3 |
| GW 92 589 | 20 A | 230-400 V | 4 | 1/3 |
| GW 92 590 | 25 A | 230-400 V | 4 | 1/3 |
| GW 92 591 | 32 A | 230-400 V | 4 | 1/3 |
| GW 92 592 | 40 A | 230-400 V | 4 | 1/3 |
| GW 92 593 | 50 A | 230-400 V | 4 | 1/3 |
| GW 92 594 | 63 A | 230-400 V | 4 | 1/3 |

MT 100 - D CURVE - 10000 A (EN 60898) - UP TO 15 KA (EN 60947-2)

| BREAKING CAPACITY 1P | | |
|--------------------------|-------------|---------------|
| 230V | EN60898 Icu | EN60947-2 Icu |
| I _{in} =1÷25 A | 10000 A | 15 kA |
| I _{in} =32÷40 A | 10000 A | 12,5 kA |

| BREAKING CAPACITY 2P | | |
|--------------------------|-------------|---------------|
| 230V | EN60898 Icu | EN60947-2 Icu |
| I _{in} =1÷25 A | 10000 A | 30 kA |
| I _{in} =32÷40 A | 10000 A | 25 kA |

| BREAKING CAPACITY 2P | | |
|--------------------------|-------------|---------------|
| 400V | EN60898 Icu | EN60947-2 Icu |
| I _{in} =1÷25 A | 10000 A | 20 kA |
| I _{in} =32÷40 A | 10000 A | 15 kA |

| BREAKING CAPACITY 3-4P | | |
|--------------------------|-------------|---------------|
| 230V | EN60898 Icu | EN60947-2 Icu |
| I _{in} =1÷25 A | 10000 A | 25 kA |
| I _{in} =32÷40 A | 10000 A | 20 kA |

| BREAKING CAPACITY 3-4P | | |
|--------------------------|-------------|---------------|
| 400V | EN60898 Icu | EN60947-2 Icu |
| I _{in} =1÷25 A | 10000 A | 15 kA |
| I _{in} =32÷40 A | 10000 A | 12,5 kA |



GW 92 770

MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P | | | | |
| GW 92 701 | 1 A | 230-400 V | 1 | 6/24 |
| GW 92 702 | 2 A | 230-400 V | 1 | 6/24 |
| GW 92 703 | 3 A | 230-400 V | 1 | 6/24 |
| GW 92 704 | 4 A | 230-400 V | 1 | 6/24 |
| GW 92 705 | 6 A | 230-400 V | 1 | 6/24 |
| GW 92 706 | 10 A | 230-400 V | 1 | 6/24 |
| GW 92 714 | 13 A | 230-400 V | 1 | 6/24 |
| GW 92 707 | 16 A | 230-400 V | 1 | 6/24 |
| GW 92 708 | 20 A | 230-400 V | 1 | 6/24 |
| GW 92 709 | 25 A | 230-400 V | 1 | 6/24 |
| GW 92 710 | 32 A | 230-400 V | 1 | 6/24 |
| GW 92 711 | 40 A | 230-400 V | 1 | 6/24 |
| No. of poles: 2P | | | | |
| GW 92 741 | 1 A | 230-400 V | 2 | 3/12 |
| GW 92 742 | 2 A | 230-400 V | 2 | 3/12 |
| GW 92 743 | 3 A | 230-400 V | 2 | 3/12 |
| GW 92 744 | 4 A | 230-400 V | 2 | 3/12 |
| GW 92 745 | 6 A | 230-400 V | 2 | 3/12 |
| GW 92 746 | 10 A | 230-400 V | 2 | 3/12 |
| GW 92 754 | 13 A | 230-400 V | 2 | 3/12 |
| GW 92 747 | 16 A | 230-400 V | 2 | 3/12 |
| GW 92 748 | 20 A | 230-400 V | 2 | 3/12 |
| GW 92 749 | 25 A | 230-400 V | 2 | 3/12 |
| GW 92 750 | 32 A | 230-400 V | 2 | 3/12 |
| GW 92 751 | 40 A | 230-400 V | 2 | 3/12 |
| No. of poles: 3P | | | | |
| GW 92 761 | 1 A | 230-400 V | 3 | 2/8 |
| GW 92 762 | 2 A | 230-400 V | 3 | 2/8 |
| GW 92 763 | 3 A | 230-400 V | 3 | 2/8 |
| GW 92 764 | 4 A | 230-400 V | 3 | 2/8 |
| GW 92 765 | 6 A | 230-400 V | 3 | 2/8 |
| GW 92 766 | 10 A | 230-400 V | 3 | 2/8 |
| GW 92 774 | 13 A | 230-400 V | 3 | 2/8 |
| GW 92 767 | 16 A | 230-400 V | 3 | 2/8 |
| GW 92 768 | 20 A | 230-400 V | 3 | 2/8 |
| GW 92 769 | 25 A | 230-400 V | 3 | 2/8 |
| GW 92 770 | 32 A | 230-400 V | 3 | 2/8 |
| GW 92 771 | 40 A | 230-400 V | 3 | 2/8 |
| No. of poles: 4P | | | | |
| GW 92 781 | 1 A | 230-400 V | 4 | 1/3 |
| GW 92 782 | 2 A | 230-400 V | 4 | 1/3 |
| GW 92 783 | 3 A | 230-400 V | 4 | 1/3 |
| GW 92 784 | 4 A | 230-400 V | 4 | 1/3 |
| GW 92 785 | 6 A | 230-400 V | 4 | 1/3 |
| GW 92 786 | 10 A | 230-400 V | 4 | 1/3 |
| GW 92 794 | 13 A | 230-400 V | 4 | 1/3 |
| GW 92 787 | 16 A | 230-400 V | 4 | 1/3 |
| GW 92 788 | 20 A | 230-400 V | 4 | 1/3 |
| GW 92 789 | 25 A | 230-400 V | 4 | 1/3 |
| GW 92 790 | 32 A | 230-400 V | 4 | 1/3 |
| GW 92 791 | 40 A | 230-400 V | 4 | 1/3 |

MT 250 - C CURVE - 25000 A (EN 60898) - UP TO 25 KA (EN 60947-2)

| BREAKING CAPACITY 1P | | | |
|--------------------------|----------------------------|------------------------------|--|
| 230V | EN60898 I _{cn} | EN60947-2 I _{cu} | |
| I _{cn} =6÷20 A | 25000 A | 25 kA | |
| I _{cn} =25 A | 20000 A | 20 kA | |
| I _{cn} =32÷40 A | 15000 A | 15 kA | |
| I _{cn} =50÷63 A | 12500 A | 15 kA | |

| BREAKING CAPACITY 2P | | | |
|--------------------------|----------------------------|------------------------------|--|
| 230V | EN60898 I _{cn} | EN60947-2 I _{cu} | |
| I _{cn} =6÷20 A | 25000 A | 50 kA | |
| I _{cn} =25 A | 25000 A | 40 kA | |
| I _{cn} =32÷40 A | 25000 A | 30 kA | |
| I _{cn} =50÷63 A | 25000 A | 25 kA | |

| BREAKING CAPACITY 2P | | | |
|--------------------------|----------------------------|------------------------------|--|
| 400V | EN60898 I _{cn} | EN60947-2 I _{cu} | |
| I _{cn} =6÷20 A | 25000 A | 30 kA | |
| I _{cn} =25 A | 25000 A | 25 kA | |
| I _{cn} =32÷40 A | 20000 A | 20 kA | |
| I _{cn} =50÷63 A | 15000 A | 15 kA | |

| BREAKING CAPACITY 3-4P | | | |
|--------------------------|----------------------------|------------------------------|--|
| 230V | EN60898 I _{cn} | EN60947-2 I _{cu} | |
| I _{cn} =6÷20 A | 25000 A | 40 kA | |
| I _{cn} =25 A | 25000 A | 30 kA | |
| I _{cn} =32÷40 A | 25000 A | 25 kA | |
| I _{cn} =50÷63 A | 20000 A | 20 kA | |

| BREAKING CAPACITY 3-4P | | | |
|--------------------------|----------------------------|------------------------------|--|
| 400V | EN60898 I _{cn} | EN60947-2 I _{cu} | |
| I _{cn} =6÷20 A | 25000 A | 25 kA | |
| I _{cn} =25 A | 20000 A | 20 kA | |
| I _{cn} =32÷40 A | 15000 A | 15 kA | |
| I _{cn} =50÷63 A | 12500 A | 15 kA | |



GW 92 890

MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|------------------|---------------|---------------|----------------------------|----------------|
| No. of poles: 1P | | | | |
| GW 92 805 | 6 A | 230-400 V | 1 | 6/24 |
| GW 92 806 | 10 A | 230-400 V | 1 | 6/24 |
| GW 92 807 | 16 A | 230-400 V | 1 | 6/24 |
| GW 92 808 | 20 A | 230-400 V | 1 | 6/24 |
| GW 92 809 | 25 A | 230-400 V | 1 | 6/24 |
| GW 92 810 | 32 A | 230-400 V | 1 | 6/24 |
| GW 92 811 | 40 A | 230-400 V | 1 | 6/24 |
| GW 92 812 | 50 A | 230-400 V | 1 | 6/24 |
| GW 92 813 | 63 A | 230-400 V | 1 | 6/24 |
| No. of poles: 2P | | | | |
| GW 92 845 | 6 A | 230-400 V | 2 | 3/12 |
| GW 92 846 | 10 A | 230-400 V | 2 | 3/12 |
| GW 92 847 | 16 A | 230-400 V | 2 | 3/12 |
| GW 92 848 | 20 A | 230-400 V | 2 | 3/12 |
| GW 92 849 | 25 A | 230-400 V | 2 | 3/12 |
| GW 92 850 | 32 A | 230-400 V | 2 | 3/12 |
| GW 92 851 | 40 A | 230-400 V | 2 | 3/12 |
| GW 92 852 | 50 A | 230-400 V | 2 | 3/12 |
| GW 92 853 | 63 A | 230-400 V | 2 | 3/12 |
| No. of poles: 3P | | | | |
| GW 92 865 | 6 A | 230-400 V | 3 | 2/8 |
| GW 92 866 | 10 A | 230-400 V | 3 | 2/8 |
| GW 92 867 | 16 A | 230-400 V | 3 | 2/8 |
| GW 92 868 | 20 A | 230-400 V | 3 | 2/8 |
| GW 92 869 | 25 A | 230-400 V | 3 | 2/8 |
| GW 92 870 | 32 A | 230-400 V | 3 | 2/8 |
| GW 92 871 | 40 A | 230-400 V | 3 | 2/8 |
| GW 92 872 | 50 A | 230-400 V | 3 | 2/8 |
| GW 92 873 | 63 A | 230-400 V | 3 | 2/8 |
| No. of poles: 4P | | | | |
| GW 92 885 | 6 A | 230-400 V | 4 | 1/3 |
| GW 92 886 | 10 A | 230-400 V | 4 | 1/3 |
| GW 92 887 | 16 A | 230-400 V | 4 | 1/3 |
| GW 92 888 | 20 A | 230-400 V | 4 | 1/3 |
| GW 92 889 | 25 A | 230-400 V | 4 | 1/3 |
| GW 92 890 | 32 A | 230-400 V | 4 | 1/3 |
| GW 92 891 | 40 A | 230-400 V | 4 | 1/3 |
| GW 92 892 | 50 A | 230-400 V | 4 | 1/3 |
| GW 92 893 | 63 A | 230-400 V | 4 | 1/3 |

MTHP - HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

MTHP 160 - C CURVE - 10000 A (EN 60898) - 16 KA (EN 60947-2)

| BREAKING CAPACITY 1P | | | |
|----------------------|---------|-----------|-----|
| 230V | EN60898 | EN60947-2 | Icu |
| In=80+125 A | 10000 A | 16 kA | |

| BREAKING CAPACITY 1P | | | |
|----------------------|---------|-----------|-----|
| 400V | EN60898 | EN60947-2 | Icu |
| In=80+125 A | 4,5 kA | | |

| BREAKING CAPACITY 2-3-4P | | | |
|--------------------------|---------|-----------|-----|
| 230V | EN60898 | EN60947-2 | Icu |
| In=80+125 A | 10000 A | 20 kA | |

| BREAKING CAPACITY 2-3-4P | | | |
|--------------------------|---------|-----------|-----|
| 400V | EN60898 | EN60947-2 | Icu |
| In=80+125 A | 10000 A | 16 kA | |



GW 93 349

HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P | | | | |
| GW 93 307 | 80 A | 230-400 V | 1.5 | 1/12 |
| GW 93 308 | 100 A | 230-400 V | 1.5 | 1/12 |
| GW 93 309 | 125 A | 230-400 V | 1.5 | 1/12 |
| No. of poles: 2P | | | | |
| GW 93 327 | 80 A | 230-400 V | 3 | 1/8 |
| GW 93 328 | 100 A | 230-400 V | 3 | 1/8 |
| GW 93 329 | 125 A | 230-400 V | 3 | 1/8 |
| No. of poles: 3P | | | | |
| GW 93 337 | 80 A | 230-400 V | 4.5 | 1/4 |
| GW 93 338 | 100 A | 230-400 V | 4.5 | 1/4 |
| GW 93 339 | 125 A | 230-400 V | 4.5 | 1/4 |
| No. of poles: 4P | | | | |
| GW 93 347 | 80 A | 230-400 V | 6 | 1/4 |
| GW 93 348 | 100 A | 230-400 V | 6 | 1/4 |
| GW 93 349 | 125 A | 230-400 V | 6 | 1/4 |

ACCESSORIES SUPPLIED: kit for cable terminals wiring and poles separators.

MTHP 160 - D CURVE - 10000 A (EN 60898) - 16 KA (EN 60947-2)

| BREAKING CAPACITY 1P | | | |
|----------------------|---------|-----------|-----|
| 230V | EN60898 | EN60947-2 | Icu |
| In=80+125 A | 10000 A | 16 kA | |

| BREAKING CAPACITY 1P | | | |
|----------------------|---------|-----------|-----|
| 400V | EN60898 | EN60947-2 | Icu |
| In=80+125 A | 4,5 kA | | |

| BREAKING CAPACITY 2-3-4P | | | |
|--------------------------|---------|-----------|-----|
| 230V | EN60898 | EN60947-2 | Icu |
| In=63+100 A | 10000 A | 20 kA | |

| BREAKING CAPACITY 2-3-4P | | | |
|--------------------------|---------|-----------|-----|
| 400V | EN60898 | EN60947-2 | Icu |
| In=63+100 A | 10000 A | 16 kA | |



GW 93 388

HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P | | | | |
| GW 93 356 | 63 A | 230-400 V | 1.5 | 1/12 |
| GW 93 357 | 80 A | 230-400 V | 1.5 | 1/12 |
| GW 93 358 | 100 A | 230-400 V | 1.5 | 1/12 |
| No. of poles: 2P | | | | |
| GW 93 376 | 63 A | 230-400 V | 3 | 1/8 |
| GW 93 377 | 80 A | 230-400 V | 3 | 1/8 |
| GW 93 378 | 100 A | 230-400 V | 3 | 1/8 |
| No. of poles: 3P | | | | |
| GW 93 386 | 63 A | 230-400 V | 4.5 | 1/4 |
| GW 93 387 | 80 A | 230-400 V | 4.5 | 1/4 |
| GW 93 388 | 100 A | 230-400 V | 4.5 | 1/4 |
| No. of poles: 4P | | | | |
| GW 93 396 | 63 A | 230-400 V | 6 | 1/4 |
| GW 93 397 | 80 A | 230-400 V | 6 | 1/4 |
| GW 93 398 | 100 A | 230-400 V | 6 | 1/4 |

ACCESSORIES SUPPLIED: kit for cable terminals wiring and poles separators.

MTHP 250 - C CURVE - 25000 A (EN 60898) - 25 KA (EN 60947-2)

| BREAKING CAPACITY 1P | | | |
|-------------------------|---------|-----------|--|
| 230V | EN60898 | EN60947-2 | |
| I _n =20+63 A | 25000 A | 25 kA | |

| BREAKING CAPACITY 1P | | | |
|-------------------------|---------|-----------|--|
| 400V | EN60898 | EN60947-2 | |
| I _n =20+63 A | 6 kA | | |

| BREAKING CAPACITY 2P | | | |
|-------------------------|---------|-----------|--|
| 230V | EN60898 | EN60947-2 | |
| I _n =20+63 A | 25000 A | 50 kA | |

| BREAKING CAPACITY 3-4P | | | |
|-------------------------|---------|-----------|--|
| 230V | EN60898 | EN60947-2 | |
| I _n =20+63 A | 25000 A | 30 kA | |

| BREAKING CAPACITY 2-3-4P | | | |
|--------------------------|---------|-----------|--|
| 400V | EN60898 | EN60947-2 | |
| I _n =20+63 A | 25000 A | 25 kA | |



GW 93 222

HIGH PERFORMANCE MINIATURE CIRCUIT BREAKERS

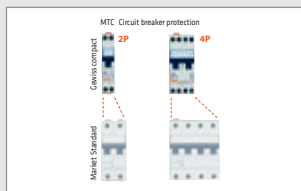
| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P | | | | |
| GW 93 201 | 20 A | 230-400 V | 1.5 | 1/12 |
| GW 93 202 | 25 A | 230-400 V | 1.5 | 1/12 |
| GW 93 203 | 32 A | 230-400 V | 1.5 | 1/12 |
| GW 93 204 | 40 A | 230-400 V | 1.5 | 1/12 |
| GW 93 205 | 50 A | 230-400 V | 1.5 | 1/12 |
| GW 93 206 | 63 A | 230-400 V | 1.5 | 1/12 |
| No. of poles: 2P | | | | |
| GW 93 221 | 20 A | 230-400 V | 3 | 1/8 |
| GW 93 222 | 25 A | 230-400 V | 3 | 1/8 |
| GW 93 223 | 32 A | 230-400 V | 3 | 1/8 |
| GW 93 224 | 40 A | 230-400 V | 3 | 1/8 |
| GW 93 225 | 50 A | 230-400 V | 3 | 1/8 |
| GW 93 226 | 63 A | 230-400 V | 3 | 1/8 |
| No. of poles: 3P | | | | |
| GW 93 231 | 20 A | 230-400 V | 4.5 | 1/4 |
| GW 93 232 | 25 A | 230-400 V | 4.5 | 1/4 |
| GW 93 233 | 32 A | 230-400 V | 4.5 | 1/4 |
| GW 93 234 | 40 A | 230-400 V | 4.5 | 1/4 |
| GW 93 235 | 50 A | 230-400 V | 4.5 | 1/4 |
| GW 93 236 | 63 A | 230-400 V | 4.5 | 1/4 |
| No. of poles: 4P | | | | |
| GW 93 241 | 20 A | 230-400 V | 6 | 1/4 |
| GW 93 242 | 25 A | 230-400 V | 6 | 1/4 |
| GW 93 243 | 32 A | 230-400 V | 6 | 1/4 |
| GW 93 244 | 40 A | 230-400 V | 6 | 1/4 |
| GW 93 245 | 50 A | 230-400 V | 6 | 1/4 |
| GW 93 246 | 63 A | 230-400 V | 6 | 1/4 |

ACCESSORIES SUPPLIED: kit for cable terminals wiring and poles separators.

90 MCB



SPACE SAVING



By using the compact MTC circuit breakers, it is possible to protect 2 pole in one module length; this operation guarantees a space saving (up to 50%) which allows the installation of smaller boards and therefore the cost is cheaper. Therefore, it is possible to install smaller sized boards, which also provides a cost savings.

MAXIMUM SAFETY



In addition to the characteristic of the double DIN clip, which allows a more steady mounting and facilitates maintenance operations, the terminals are supplied with protective and sliding insulation insert for the maximum safety of tightening and against any possible contacts with live parts.

ACCESSORIES TO SIMPLIFY USE

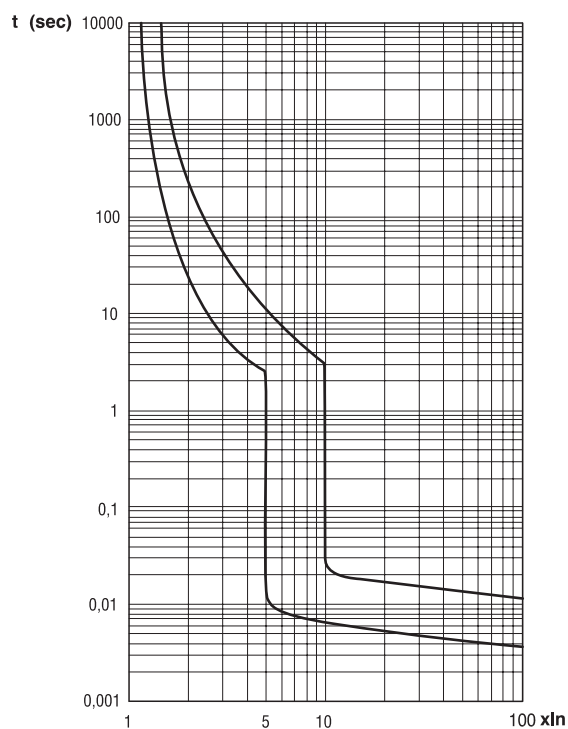


Modular circuit breakers of 90 MCB Range can be perfectly integrated with electrical auxiliary of 90 Range, ensuring a more simple use and managing of accessories.

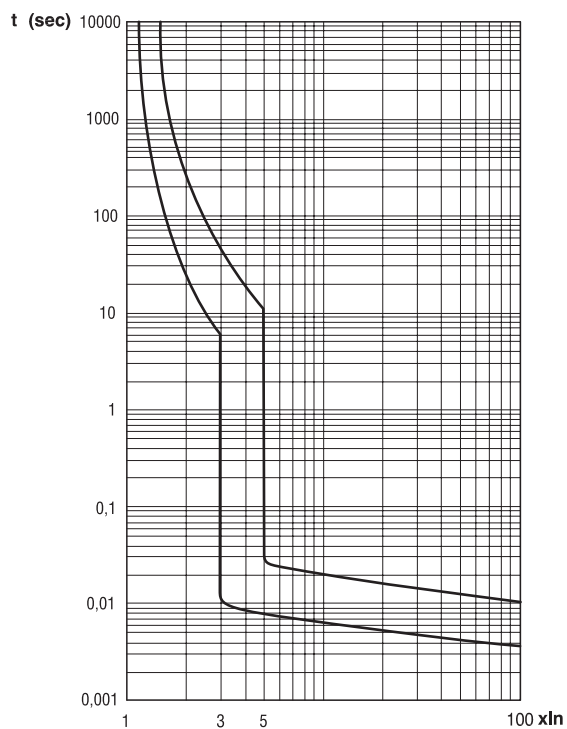
TRIPPING CHARACTERISTICS

Tripping characteristics in alternating current (EN 60898)

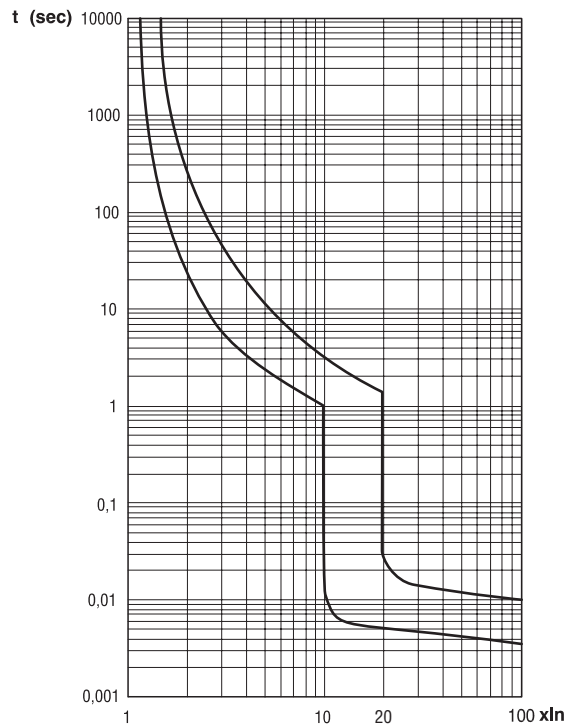
MTC 45 - 60 - 100 Characteristic C
MT 45 - MT 60 - 100 - 250 Characteristic C
MTHP 160 - 250 Characteristic C



MT 45 - MT 60 - 100 Characteristic B
MTC 60 Characteristic B



MT 60 - 100 Characteristic D
MTHP 160 Characteristic D



| Tripping characteristic | B | C | D |
|-------------------------|----------------|-----------------|-----------------|
| I_n | from 6 to 63 A | from 1 to 125 A | from 6 to 100 A |
| Thermal release | | | |
| I_{nf} | 1,13 I_n | 1,13 I_n | 1,13 I_n |
| I_{ft} | 1,45 I_n | 1,45 I_n | 1,45 I_n |
| t | < 1 h | < 1 h | < 1 h |
| Magnetic release | | | |
| I_{nf} | 3 I_n | 5 I_n | 10 I_n |
| I_{ft} | 5 I_n | 10 I_n | 20 I_n |
| t | instantaneous | instantaneous | instantaneous |

I_n = rated current
 I_{nf} = conventional non-tripping current
 I_{ft} = conventional tripping current
 t = tripping time

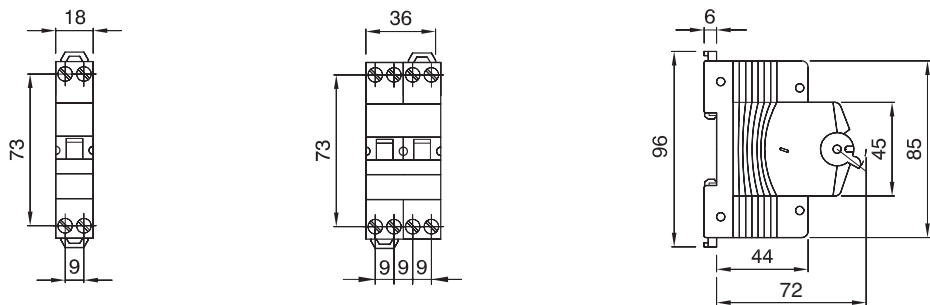
B tripping curve: tripping characteristic for the protection of electrical resistive loads (for example: heating) and very long electrical distribution lines.

C tripping curve: tripping characteristic for the protection of general electrical resistive or slight inductive loads (for example: fluorescent lamps).

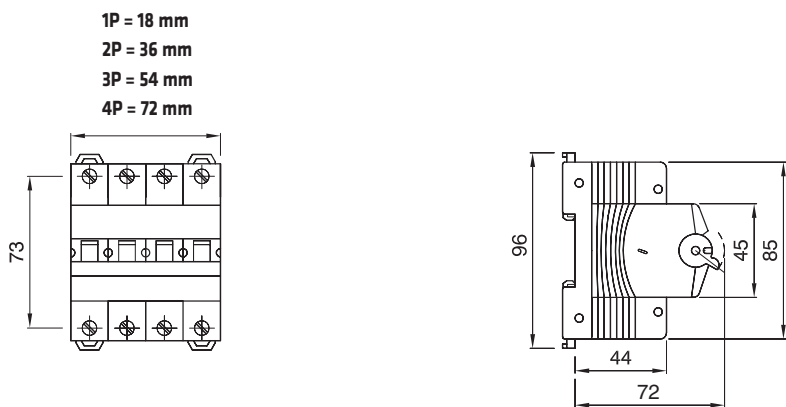
D tripping curve: tripping characteristic for the protection of electrical heavy inductive loads or high starting currents (for example: electrical engines).

DIMENSION TABLES

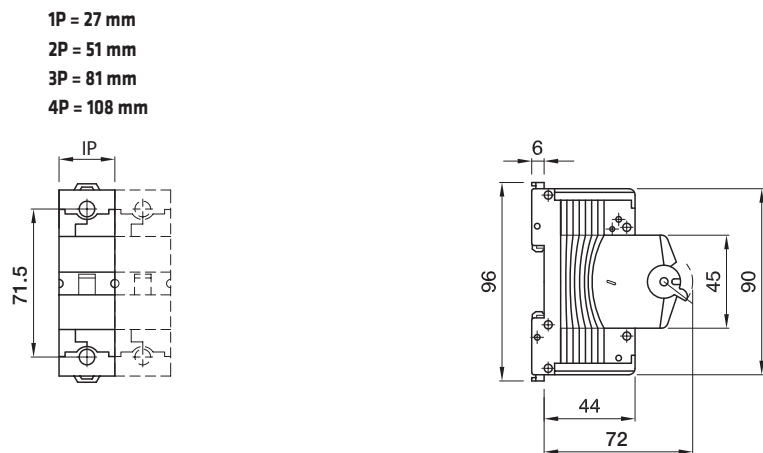
MTC 45 - MTC 60 - MTC 100



MT 45 - MT 60 - MT 100 - MT 250



MTHP 160 - MTHP 250



Residual current protection circuit breakers

90 RCD

MDC - MONOBLOC COMPACT RCBO'S



BD - ADD-ON RESIDUAL CURRENT DEVICES FOR MINIATURE CIRCUIT BREAKERS











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IDP - RESIDUAL CURRENT CIRCUIT BREAKERS






pag. 701

Selection tables

| | | | | COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION | | | | | | | | |
|-------------------------|-------|-------|--------|---|---|---|---|--|---|---|---|-----------|
| | | | | IΔn = 30mA | | | | IΔn = 300mA | | | | |
| | | | |  |  |  |  |  |  |  |  | |
| | | | | 1P+N | 2P | 3P | 4P | 1P+N | 2P | 3P | 4P | |
| Icn [A] (EN 61009-1) | Curve | Type | In [A] | 2 mod. | 2 mod. | 3 mod. | 4 mod. | 2 mod. | 2 mod. | 3 mod. | 4 mod. | |
| | | | | MDC 45 | | | | | | | | |
| 4500 | C | AC | 6 | GW 94 005 | GW 94 025 | GW 94 045 | GW 94 065 | GW 94 015 | GW 94 035 | GW 94 055 | GW 94 075 | |
| | | | 10 | GW 94 006 | GW 94 026 | GW 94 046 | GW 94 066 | GW 94 016 | GW 94 036 | GW 94 056 | GW 94 076 | |
| | | | 13 | GW 94 011 | GW 94 031 | GW 94 051 | GW 94 071 | - | - | - | - | |
| | | | 16 | GW 94 007 | GW 94 027 | GW 94 047 | GW 94 067 | GW 94 017 | GW 94 037 | GW 94 057 | GW 94 077 | |
| | | | 20 | GW 94 008 | GW 94 028 | GW 94 048 | GW 94 068 | GW 94 018 | GW 94 038 | GW 94 058 | GW 94 078 | |
| | | | 25 | GW 94 009 | GW 94 029 | GW 94 049 | GW 94 069 | GW 94 019 | GW 94 039 | GW 94 059 | GW 94 079 | |
| | | | 32 | GW 94 010 | GW 94 030 | GW 94 050 | GW 94 070 | GW 94 020 | GW 94 040 | GW 94 060 | GW 94 080 | |
| | | A | 6 | GW 94 205 | GW 94 225 | GW 94 245 | GW 94 265 | GW 94 215 | GW 94 235 | GW 94 255 | GW 94 275 | |
| | | | 10 | GW 94 206 | GW 94 226 | GW 94 246 | GW 94 266 | GW 94 216 | GW 94 236 | GW 94 256 | GW 94 276 | |
| | | | 13 | GW 94 211 | GW 94 231 | GW 94 251 | GW 94 271 | - | - | - | - | |
| | | | 16 | GW 94 207 | GW 94 227 | GW 94 247 | GW 94 267 | GW 94 217 | GW 94 237 | GW 94 257 | GW 94 277 | |
| | | | 20 | GW 94 208 | GW 94 228 | GW 94 248 | GW 94 268 | GW 94 218 | GW 94 238 | GW 94 258 | GW 94 278 | |
| | | | 25 | GW 94 209 | GW 94 229 | GW 94 249 | GW 94 269 | GW 94 219 | GW 94 239 | GW 94 259 | GW 94 279 | |
| | | | 32 | GW 94 210 | GW 94 230 | GW 94 250 | GW 94 270 | GW 94 220 | GW 94 240 | GW 94 260 | GW 94 280 | |
| | | | | MDC 60 | | | | | | | | |
| 6000 | C | AC | 6 | GW 94 105 | GW 94 125 | GW 94 145 | GW 94 165 | GW 94 115 | GW 94 135 | GW 94 155 | GW 94 175 | |
| | | | 10 | GW 94 106 | GW 94 126 | GW 94 146 | GW 94 166 | GW 94 116 | GW 94 136 | GW 94 156 | GW 94 176 | |
| | | | 13 | GW 94 111 | GW 94 131 | GW 94 151 | GW 94 171 | - | - | - | - | |
| | | | 16 | GW 94 107 | GW 94 127 | GW 94 147 | GW 94 167 | GW 94 117 | GW 94 137 | GW 94 157 | GW 94 177 | |
| | | | 20 | GW 94 108 | GW 94 128 | GW 94 148 | GW 94 168 | GW 94 118 | GW 94 138 | GW 94 158 | GW 94 178 | |
| | | | 25 | GW 94 109 | GW 94 129 | GW 94 149 | GW 94 169 | GW 94 119 | GW 94 139 | GW 94 159 | GW 94 179 | |
| | | | 32 | GW 94 110 | GW 94 130 | GW 94 150 | GW 94 170 | GW 94 120 | GW 94 140 | GW 94 160 | GW 94 180 | |
| | | A | 6 | GW 94 305 | GW 94 325 | GW 94 345 | GW 94 365 | GW 94 315 | GW 94 335 | GW 94 355 | GW 94 375 | |
| | | | 10 | GW 94 306 | GW 94 326 | GW 94 346 | GW 94 366 | GW 94 316 | GW 94 336 | GW 94 356 | GW 94 376 | |
| | | | 13 | GW 94 311 | GW 94 331 | GW 94 351 | GW 94 371 | - | - | - | - | |
| | | | 16 | GW 94 307 | GW 94 327 | GW 94 347 | GW 94 367 | GW 94 317 | GW 94 337 | GW 94 357 | GW 94 377 | |
| | | | 20 | GW 94 308 | GW 94 328 | GW 94 348 | GW 94 368 | GW 94 318 | GW 94 338 | GW 94 358 | GW 94 378 | |
| | | | 25 | GW 94 309 | GW 94 329 | GW 94 349 | GW 94 369 | GW 94 319 | GW 94 339 | GW 94 359 | GW 94 379 | |
| | | | 32 | GW 94 310 | GW 94 330 | GW 94 350 | GW 94 370 | GW 94 320 | GW 94 340 | GW 94 360 | GW 94 380 | |
| | | A[IR] | 6 | - | GW 95 805 | - | GW 95 815 | - | - | - | - | |
| | | | 10 | - | GW 95 806 | - | GW 95 816 | - | - | - | - | |
| | | | 13 | - | GW 95 811 | - | GW 95 821 | - | - | - | - | |
| | | | 16 | - | GW 95 807 | - | GW 95 817 | - | - | - | - | |
| | | | 20 | - | GW 95 808 | - | GW 95 818 | - | - | - | - | |
| | | | 25 | - | GW 95 809 | - | GW 95 819 | - | - | - | - | |
| | | | 32 | - | GW 95 810 | - | GW 95 820 | - | - | - | - | |
| | | A[S] | 16 | - | - | - | - | - | GW 95 847 | - | GW 95 857 | |
| | | | 20 | - | - | - | - | - | GW 95 848 | - | GW 95 858 | |
| | | | 25 | - | - | - | - | - | GW 95 849 | - | GW 95 859 | |
| | | | 32 | - | - | - | - | - | GW 95 850 | - | GW 95 860 | |
| | | B | A | 6 | GW 95 105 | GW 95 125 | GW 95 145 | GW 95 165 | GW 95 115 | GW 95 135 | GW 95 155 | GW 95 175 |
| | | | | 10 | GW 95 106 | GW 95 126 | GW 95 146 | GW 95 166 | GW 95 116 | GW 95 136 | GW 95 156 | GW 95 176 |
| | | | | 13 | GW 95 111 | GW 95 131 | GW 95 151 | GW 95 171 | - | - | - | - |
| | | | | 16 | GW 95 107 | GW 95 127 | GW 95 147 | GW 95 167 | GW 95 117 | GW 95 137 | GW 95 157 | GW 95 177 |
| | | | | 20 | GW 95 108 | GW 95 128 | GW 95 148 | GW 95 168 | GW 95 118 | GW 95 138 | GW 95 158 | GW 95 178 |
| | | | | 25 | GW 95 109 | GW 95 129 | GW 95 149 | GW 95 169 | GW 95 119 | GW 95 139 | GW 95 159 | GW 95 179 |
| | | | | 32 | GW 95 110 | GW 95 130 | GW 95 150 | GW 95 170 | GW 95 120 | GW 95 140 | GW 95 160 | GW 95 180 |






* Rated operating voltage equal to 110V ac ** Rated operating voltage equal to 230V ac

| | | | | RCD SAFETY SOCKET | | FLUSH-MOUNTING RCD WATERTIGHT COVER | HOUSING FOR SURFACE-MOUNTING |
|--------|--------|------|----------|---|-----------|--|---|
| | | | |  | |  |  |
| In [A] | Ue [V] | Type | IΔn [mA] | IP21 | IP44 | IP41 | IP44 |
| 16 | 230 | A | 10 | GW 95 921 | GW 95 923 | GW 95 925 | GW 95 928 |
| | | | 30 | GW 95 922 | GW 95 924 | GW 95 926 | |

90 RCD

RCCBS IDP

Selection tables

| | | | 2P | | 4P | | | |
|--------|-------|----------|---|---|---|--|---|-----------|
| | | |  |  |  |  |  | |
| In [A] | Type | IΔn [mA] | 2 mod. (NA)* | 2 mod. | 3 mod. | 4 mod. (NA)* | 4 mod. | 4 mod.*** |
| 25 | AC | 10 | - | GW D4 001 | - | - | - | - |
| | | 30 | GW D4 617 | GW D4 002 | GW 94 662 | GW D4 427 | GW D4 102 | GW D4 302 |
| | | 100 | - | GW D4 003 | - | - | GW D4 103 | - |
| | | 300 | - | GW D4 004 | GW 94 664 | GW D4 429 | GW D4 104 | GW D4 304 |
| | A | 10 | - | GW D4 011 | GW 94 866 | - | GW D4 111 | - |
| | | 30 | GW D4 817 | GW D4 012 | GW 94 867 | GW D4 439 | GW D4 112 | GW D4 312 |
| | | 100 | - | GW D4 013 | - | - | GW D4 113 | - |
| | | 300 | - | GW D4 014 | GW 94 869 | GW D4 441 | GW D4 114 | GW D4 314 |
| | A[IR] | 30 | - | GW D4 202 | - | - | GW D4 217 | GW D4 317 |
| | | 300 | - | GW D4 203 | - | - | GW D4 218 | - |
| | B[IR] | 30 | - | GW 95 701 ** | - | - | GW 95 716 | - |
| | | 300 | - | - | - | - | GW 95 718 | - |
| 40 | AC | 30 | GW D4 627 | GW D4 022 | GW 94 667 | GW D4 431 | GW D4 122 | GW D4 322 |
| | | 100 | - | GW D4 023 | GW 94 668 | - | GW D4 123 | - |
| | | 300 | - | GW D4 024 | GW 94 669 | GW D4 433 | GW D4 124 | GW D4 324 |
| | | 500 | - | GW D4 025 | GW 94 670 | - | GW D4 125 | - |
| | A | 30 | GW D4 827 | GW D4 032 | GW 94 897 | GW D4 443 | GW D4 132 | GW D4 332 |
| | | 100 | - | GW D4 033 | GW 94 898 | - | GW D4 133 | - |
| | | 300 | - | GW D4 034 | GW 94 899 | GW D4 445 | GW D4 134 | GW D4 334 |
| | | 500 | - | GW D4 035 | GW 94 900 | - | GW D4 135 | - |
| | A[IR] | 30 | - | GW D4 205 | - | - | GW D4 220 | GW D4 337 |
| | | 300 | - | GW D4 206 | - | - | GW D4 221 | - |
| | A[S] | 300 | - | GW D4 234 | - | - | GW D4 249 | - |
| | | 500 | - | GW D4 235 | - | - | GW D4 250 | - |
| | B[IR] | 30 | - | GW 95 706 ** | - | - | GW 95 721 | - |
| | | 300 | - | - | - | - | GW 95 723 | - |
| 63 | AC | 30 | - | GW D4 042 | - | GW D4 435 | GW D4 142 | GW D4 342 |
| | | 100 | - | GW D4 043 | - | - | GW D4 143 | - |
| | | 300 | - | GW D4 044 | - | GW D4 437 | GW D4 144 | GW D4 344 |
| | | 500 | - | GW D4 045 | - | - | GW D4 145 | - |
| | A | 30 | - | GW D4 052 | - | GW D4 447 | GW D4 152 | GW D4 352 |
| | | 100 | - | GW D4 053 | - | - | GW D4 153 | - |
| | | 300 | - | GW D4 054 | - | GW D4 449 | GW D4 154 | GW D4 354 |
| | | 500 | - | GW D4 055 | - | - | GW D4 155 | - |
| | A[IR] | 30 | - | GW D4 208 | - | - | GW D4 223 | GW D4 357 |
| | | 300 | - | GW D4 209 | - | - | GW D4 224 | - |
| | A[S] | 300 | - | GW D4 237 | - | - | GW D4 252 | - |
| | | 500 | - | GW D4 238 | - | - | GW D4 253 | - |
| | B[IR] | 30 | - | - | - | - | GW 95 726 | - |
| | | 300 | - | - | - | - | GW 95 728 | - |
| | B[S] | 500 | - | - | - | - | GW 95 729 | - |
| | | 300 | - | - | - | - | GW 95 737 | - |
| 80 | AC | 30 | - | GW D4 062 | - | - | GW D4 162 | GW D4 362 |
| | | 100 | - | GW D4 063 | - | - | GW D4 163 | - |
| | | 300 | - | GW D4 064 | - | - | GW D4 164 | GW D4 364 |
| | A | 30 | - | GW D4 072 | - | - | GW D4 172 | - |
| | | 100 | - | GW D4 073 | - | - | GW D4 173 | - |
| | | 300 | - | GW D4 074 | - | - | GW D4 174 | - |
| | A[S] | 300 | - | GW D4 240 | - | - | GW D4 255 | - |
| | B[IR] | 30 | - | - | - | - | GW 95 731 | - |
| | | 300 | - | - | - | - | GW 95 733 | - |
| | B[S] | 300 | - | - | - | - | GW 95 743 | - |
| 100 | AC | 30 | - | GW D4 082 | - | - | GW D4 182 | GW D4 382 |
| | | 100 | - | - | - | - | GW D4 183 | - |
| | | 300 | - | GW D4 084 | - | - | GW D4 184 | GW D4 384 |
| | | 500 | - | - | - | - | GW D4 185 | - |
| | A | 30 | - | GW D4 092 | - | - | GW D4 192 | - |
| | | 100 | - | GW D4 093 | - | - | GW D4 193 | - |
| | | 300 | - | GW D4 094 | - | - | GW D4 194 | - |
| | | 500 | - | - | - | - | GW D4 195 | - |
| | A[IR] | 30 | - | GW D4 211 | - | - | GW D4 226 | - |
| | | 300 | - | - | - | - | GW D4 227 | - |
| | A[S] | 300 | - | GW D4 243 | - | - | GW D4 258 | - |
| | | 500 | - | GW D4 244 | - | - | GW D4 259 | - |
| 125 | AC | 30 | - | - | - | - | GW 95 601 | - |
| | | 300 | - | - | - | - | GW 95 603 | - |
| | | 500 | - | - | - | - | GW 95 604 | - |
| | A | 30 | - | - | - | - | GW 95 606 | - |
| | | 300 | - | - | - | - | GW 95 608 | - |
| | | 500 | - | - | - | - | GW 95 609 | - |





* Accessories not available

** 4 Modules

*** RCCBs with left neutral




RCBO - MDC

Technical data

| TYPE | | | | | MDC 45 | | MDC 60 | | MDC 100 | | MDC 100 MA | | |
|---|----------------|-----|----------------|-------|---|----------|--|-------------------------------|---|-------------------------------|---|------|--|
| | | | | |  | |  | |  | |  | | |
| Standard | | | | | IEC/EN 61009-1 IEC/EN 61009-2-1 | | IEC/EN 61009-1 IEC/EN 61009-2-1 | | IEC/EN 61009-1 IEC/EN 61009-2-1 | | IEC/EN 61009-1 IEC/EN 61009-2-1 | | |
| Rated current (In) (A) | | | | | 6-32 | | 6-32 | | 6-32 | | 6-32 | | |
| Utilization category | | | | | A | | A | | A | | A | | |
| Rated operational voltage (Ue) (V AC) | | | | | 230/400 - 240/415 | | 230/400 - 240/415 | | 230 - 240 | | 110 | | |
| Insulation voltage (Ui) (V) | | | | | 500 | | 500 | | 500 | | 500 | | |
| Rated frequency (Hz) | | | | | 50/60 | | 50/60 | | 50/60 | | 50/60 | | |
| Rated impulse withstand voltage (Uimp) | | | | | 4 | | 4 | | 4 | | 4 | | |
| Overvoltage category | | | | | III | | III | | III | | III | | |
| Number of poles | | | | | 1+N, 2 | 3, 4 | 1+N, 2 | 3, 4 | 1+N, 2, 3 | | 2 | | |
| Energy limiting class (B and C) | | | | | 3 | 1 | 3 | 1 | 3 | | 3 | | |
| Breaking capacity | | | | | | | | | | | | | |
| Alternating current | IEC/EN 61009-1 | Icn | (A) | 4500 | | 6000 | | 10000 | | 10000 | | | |
| | | Ics | (A) | 1 Icn | | 1 Icn | | 0.75 Icn | | 0.75 Icn | | | |
| | IEC/EN 60947-2 | Icu | 230/240 V (kA) | 6 | - | 7.5 | - | 10 | | 10 | | | |
| | | Ics | 400/415 V (kA) | - | 4,5 | - | 6 | - | | - | | | |
| | | | | | 100% Icu | | 100% Icu | | 75% Icu | | 75% Icu | | |
| Rated residual operating current (IΔn) (mA) | | | | | | | | | | | | | |
| Type | AC | | | 30 | | 30 | | 30 | | 30 | | | |
| | | | | 300 | | 300 | | 300 | | 300 | | | |
| | | | | 30 | | 30 | | 30 | | 30 | | | |
| | | | | - | | - | | 100 | | - | | | |
| | | | | 300 | | 300 | | 300 | | 300 | | | |
| | | | | - | | 30 | | 30 | | - | | | |
| | | | | | - | | 300 | | - | | - | | |
| Level of immunity (8/20 μs) (A) | | | | | 250 | | 250 (for AC and A types) 3000 (for A[IR] and A[S] types) | | 250 (for AC and A types) 3000 (for A[IR] type) | | 250 | | |
| Residual making and breaking capacity (IΔm) (A) | | | | | 4500 | | 4500 | | 4500 | | 4500 | | |
| Voltage independent working: | | | | | yes | | yes | | yes | | yes | | |
| Wiring | | | | | cable section (mm²) | rigid | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | |
| | | | | | | flexible | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | | |
| Electrical endurance | | | | | 10000 | | 10000 | | 10000 | | 10000 | | |
| Mechanical endurance | | | | | 20000 | | 20000 | | 20000 | | 20000 | | |
| Max. no. of usable modular accessories: | | | | | 2 | | 2 | | 2 | | 2 | | |
| Upline/Downline power supply | | | | | yes | | yes | | yes | | yes | | |
| Status displayed | | | | | yes | | yes | | yes | | yes | | |
| Mounting position | | | | | any | | any | | any | | any | | |
| Rated tightening torque (Nm) | | | | | 2 | | 2 | | 2 | | 2 | | |
| Screwdriver suggested | | | | | PZ2 | | PZ2 | | PZ2 | | PZ2 | | |
| Degree of protection | | | | | terminals front | IP20 | | IP20 | | IP20 | | IP20 | |
| | | | | | | IP40 | | IP40 | | IP40 | | IP40 | |
| Tropicalization | | | | | 55°C - RH 95% | | 55°C - RH 95% | | 55°C - RH 95% | | 55°C - RH 95% | | |
| Reference temperature (°C) | | | | | 30 | | 30 | | 30 | | 30 | | |
| Operating temperature (°C) | | | | | -25 +40 | | -25 +40 | | -25 +40 | | -25 +40 | | |
| Stocking temperature (°C) | | | | | -40 +70 | | -40 +70 | | -40 +70 | | -40 +70 | | |
| Double connection (cable+fork busbar) | | | | | yes (only downstream) | | yes (only downstream) | | yes (only downstream) | | yes (only downstream) | | |
| Weight per pole (g) | | | | | 120 | | 120 | | 120 | | 120 | | |
| Tripping characteristic | | | | | C | | C | B | C | B | C | | |
| Rated currents available (In) (A) | | | | | 6 | | 6 | 6 | 6 | 6 | 6 | | |
| | | | | | 10 | | 10 | 10 | 10 | 10 | 10 | | |
| | | | | | 13 | | 13 | 13 | 13 | 13 | 13 | | |
| | | | | | 16 | | 16 | 16 | 16 | 16 | 16 | | |
| | | | | | 20 | | 20 | 20 | 20 | 20 | 20 | | |
| | | | | | 25 | | 25 | 25 | 25 | 25 | 25 | | |
| | | | | | 32 | | 32 | 32 | 32 | 32 | 32 | | |

ADD-ON RCD - BD - BDHP






Technical data

| TIPO | | | BD | BDHP | BDHP ADJUSTABLE |
|---|------------------------|----------|---|--|---|
| | | |  |  |  |
| Standard | | | IEC/EN 61009-1 app. G IEC/EN 61009-2-1 app. G | | EN 60947-2 app. B |
| Rated current (In) | (A) | | ≤ 25 | ≤ 63 | ≤ 125 |
| Rated operational voltage (Ue) | (V AC) | | 230/400 | | 230/400 |
| Insulation voltage (Ui) | (V) | | 500 | | 500 |
| Rated frequency | (Hz) | | 50/60 | | 50 |
| Rated impulse withstand voltage (Uimp) | (kV) | | 4 | | 4 |
| Overvoltage category | | | III | | III |
| Number of poles | | | 2,3,4 | | 4 |
| Rated residual operating current (IΔn) | | | | | |
| Type | AC | | 10 ⁽¹⁾ | - | - |
| | | | 30 | 30 | - |
| | | | 300 | 300 | - |
| | | | 500 | 500 | - |
| | A | | 30 | 30 | - |
| | | | 300 | 300 | - |
| | | | 500 | 500 | - |
| | A[IR] | | - | 30 | - |
| | A[S] | | - | 300 | - |
| | | | - | 1000 | - |
| | A[Adj.] | | - | - | 300 - 500 - 1000 - 3000 |
| Adjustable tripping time (t) | (ms) | | - | | 0 - 60 - 150 |
| Level of immunity (8/20 μs) | (A) | | 250 (for AC and A types) 3000 (for A[IR] and A[S] types) | | 3000 |
| Residual making and breaking capacity (IΔm) | (A) | | Icn circuit breaker | | Icn circuit breaker |
| Voltage independent working: | | | yes | | yes |
| Wiring | cable section (mm²) | rigid | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | ≤ 1x70 - ≤ 2x25 - ≤ 2x25+1x10 |
| | | flexible | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | | ≤ 1x50 - ≤ 2x25 - ≤ 3x16 |
| Upline/Downline power supply | | | yes | | yes |
| Mounting position | | | any | | any |
| Rated tightening torque | (Nm) | | 2 | | 3,5 / 3 (terminals) |
| Screwdriver suggested | | | PZ2 | | PZ2 |
| Degree of protection | terminals | | IP20 | | IP20 |
| | front | | IP40 | | IP40 |
| Pollution degree | | | 2 | | 2 |
| Tropicalization | | | 55°C - RH 95% | | 55°C - RH 95% |
| Reference temperature | (°C) | | 30 | | 30 |
| Operating temperature | (°C) | | -25 +40 | | -25 +40 |
| Stocking temperature: | (°C) | | -40 +70 | | -40 +70 |
| Weight per pole | (g) | | 100 | | 200 |

⁽¹⁾ Only for 2P versions

RCCB - IDP

Technical data

| | | IDP NA | IDP | IDP 4P (3M) | IDP 125A | IDP B Type |
|---|------------------------|---|---|--|---|---|
| | |  |  |  |  |  |
| Standard | | IEC/EN 61008-1 IEC/EN 61008-2-1 | IEC/EN 61008-1 IEC/EN 61008-2-1 | IEC/EN 61008-1 IEC/EN 61008-2-1 | IEC/EN 61008-1 IEC/EN 61008-2-1 | IEC/EN 61008-1 IEC/EN 61008-2-1 IEC/EN 62423 |
| Rated current (In) | (A) | 25-40-63 | 25-100 | 25-40 | 125 | 25-80 |
| Rated operational voltage (Ue) | (V a.c.) | 230/400 - 240/415 | 230/400 - 240/415 | 230/400 | 400 | 230/400 |
| Insulation voltage (Ui) | (V) | 500 | 500 | 500 | 500 | 500 |
| Rated impulse withstand voltage (Uimp) | kV | 4 | 4 | 4 | 4 | 4 |
| Overvoltage category | | III | III | III | III | III |
| Rated frequency | (Hz) | 50 | 50/60 | 50 | 50 | 50/60 |
| Poles | | 2 (Up to 40A) 4 (Up to 63A) | 2, 4 | 4 | 4 | 2 (Up to 40A) 4 (Up to 80A) |
| Number of modules | | 2 (2P) 4 (4P) | 2 (2P) 4 (4P) | 3 | 4 | 4 (2P / 4P) |
| Rated residual operating current (IΔn) | (mA) | | | | | |
| Type | AC | - | 10 ⁽¹⁾ | - | - | - |
| | | 30 | 30 | 30 | 30 | - |
| | | - | 100 | 100 | - | - |
| | | 300 | 300 | 300 | 300 | - |
| | | - | 500 | 500 | 500 | - |
| | A | - | 10 ⁽¹⁾ | 10 ⁽¹⁾ | - | - |
| | | 30 | 30 | 30 | 30 | - |
| | | - | 100 | 100 | - | - |
| | | 300 | 300 | 300 | 300 | - |
| | | - | 500 | 500 | 500 | - |
| | IR - Impulse resistant | - | 30 | - | - | 30 |
| | | - | 300 | - | - | 300 |
| | | - | - | - | - | 500 |
| | S - Selective | - | 300 | - | - | 300 |
| | | - | 500 | - | - | - |
| | | - | - | - | - | - |
| Level of immunity (8/20μs) | (A) | 250 | 250 (Type AC - A) 3000 (Type A[IR] - A[S]) | 250 | 250 | 3000 (Type B[IR]) 5000 (Type B[S]) |
| Residual making and breaking capacity (Idm) | (A) | 10 x In (500A min) | 10xIn (500A min) | 630 | 1250 | 800 |
| Making and breaking capacity (Im) | (A) | 10 x In (500A min) | 10xIn (500A min) | 630 | 1250 | 800 |
| Voltage independent working | | yes | yes | yes | yes | yes |
| Wiring | Cable section (mm²) | rigid | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 50 |
| | | flexible | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 | ≤ 1x25 - ≤ 1x16+1x10 - ≤ 3x6 | ≤ 50 |
| Electrical endurance | | 5000 | 10000 | 5000 | 10000 | 10000 |
| Mechanical endurance | | 10000 | 20000 | 10000 | 10000 | 10000 |
| Upstream / Downstream supply | | yes | yes | yes | yes | yes |
| Mounting position | | any | any | any | any | any |
| Rated tightening torque | (Nm) | 2 | 3 | 2 | 3 | 2,5 |
| Screw type | | PZ2 | PZ2 | PZ2 | PZ2 | PZ2 |
| Pollution degree | | 2 | 2 | 2 | 2 | 2 |
| Fire resistance | | Glow wire Test IEC 60695-2-11 according with IEC 61008-1 | | | | |
| IP degree (inside the distribution board) | | IP40 | IP40 | IP40 | IP40 | IP40 |
| Tropicalization | | 55°C - UR 95% | 55°C - UR 95% | 55°C - UR 95% | 55°C - UR 95% | 55°C - UR 95% |
| Installation altitude | (m) | ≤ 2000 | ≤ 2000 | ≤ 2000 | ≤ 2000 | ≤ 2000 |
| Operating temperature (average daily temperature ≤35°C) | (°C) | -5 ÷ +40 | -25 ÷ +60 | -25 ÷ +40 | -25 ÷ +40 | -25 ÷ +45 |
| Storage temperature (average daily temperature ≤35°C) | (°C) | -40 ÷ +70 | -40 ÷ +70 | -40 ÷ +70 | -40 ÷ +70 | -40 ÷ +70 |
| Double connection (cable + fork busbar) | | no (for 2P) yes (only downstream for 4P) | yes (Upstream and downstream) | yes (Upstream and downstream) | no | yes (only downstream) |
| Signalization of the relay tripping | | no | yes | no | no | no |

⁽¹⁾ Up to 25A

| RATED CONDITIONAL RESIDUAL SHORT-CIRCUIT CURRENT IΔc (kA) | | | | | | | | | | | | | |
|---|----------|----------------|----|-----------|-----|---------|---------|-------|-----|----|------|----|------|
| Rated current In | | 25A / 40A (NA) | | 25A / 40A | | | 63A(NA) | 63A | 80A | | 100A | | 125A |
| Poles | | 2P | 4P | 2P | 4P | 4P (3M) | 2P/4P | 2P/4P | 2P | 4P | 2P | 4P | 4P |
| Fuse | gG 63A | 6 | 6 | 10 | 10 | 6 | 6 | - | - | - | - | - | - |
| | gG 80A | - | - | - | - | - | - | 10 | - | - | - | - | - |
| | gG 100 | - | - | 10* | 10* | - | - | 10* | 6 | 6 | 6 | 6 | - |
| | gG 125 | - | - | - | - | - | - | - | - | - | - | - | 10 |
| MCB | MTC 45 | 4,5 | | | | | - | | - | | - | | - |
| | MTC 60 | 6 | | | | | - | | - | | - | | - |
| | MT 60 | 6 | | | | | 6 | | - | | - | | - |
| | MT 100 | 10 | | | | | 10 | | - | | - | | - |
| | MT 250 | 10 | | | | | 10 | | - | | - | | - |
| | MTHP 160 | - | | | | | 10 | | 10 | | 10 | | 10 |
| | MTHP 250 | 10 | | | | | 10 | | - | | - | | - |

* Only Type B RCCBs

90 RCD

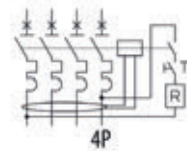
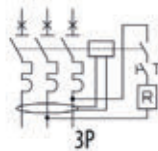
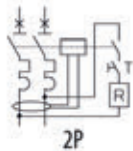
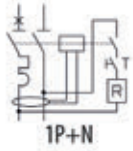
Modular circuit breakers for residual current protection

The 90 RCD range meets any ground fault protection requirement for any area of application. The range comprises MDC compact residual current c.b. with overcurrent protection (from 6 to 32 A, curves B and C, up to 10 kA and I Δ n from 30 and 300 mA type AC, A, A[IR] and A[S]) BD and BDHP, add-on residual current devices for circuit breakers MT and MTHP (I Δ n from 10 mA to 3 A type AC, A, A[IR], A[S] and A adjustable) SD residual current circuit breakers (up to 125 A, I Δ n from 10 to 500 mA type AC, A, A[IR], A[S], B[IR] and B[S]).



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MDC - MONOBLOC COMPACT RCBO'S



MDC 45 - AC TYPE - C CURVE - 4500 A (EN 61009-1) - 4.5 KA (EN 60947-2)

| BREAKING CAPACITY 1P+N-2P | | |
|---------------------------|---------------------------|---------------------------|
| 230V | EN61009-1 I Δ n | EN60947-2 I Δ n |
| I Δ n=6÷32 A | 4500 A | 6 kA |

| BREAKING CAPACITY 3-4P | | |
|------------------------|---------------------------|---------------------------|
| 400V | EN61009-1 I Δ n | EN60947-2 I Δ n |
| I Δ n=6÷32 A | 4500 A | 4.5 kA |



GW 94 027

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | I Δ n | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|--------------------|--------------|---------------|---------------|----------------------------|----------------|
| No. of poles: 1P+N | | | | | |
| GW 94 005 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 006 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 011 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 94 007 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 008 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 009 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 010 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 94 015 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 016 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 017 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 018 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 019 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 020 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 2P | | | | | |
| GW 94 025 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 026 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 031 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 94 027 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 028 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 029 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 030 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 94 035 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 036 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 037 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 038 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 039 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 040 | 300 mA | 32 A | 230 V | 2 | 1/6 |

to be continued on next page



GW 94 027

(CONTINUE)

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION


| Code | I _{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|-----------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 3P | | | | | |
| GW 94 045 | 30 mA | 6 A | 400 V | 3 | 1/4 |
| GW 94 046 | 30 mA | 10 A | 400 V | 3 | 1/4 |
| GW 94 051 | 30 mA | 13 A | 400 V | 3 | 1/4 |
| GW 94 047 | 30 mA | 16 A | 400 V | 3 | 1/4 |
| GW 94 048 | 30 mA | 20 A | 400 V | 3 | 1/4 |
| GW 94 049 | 30 mA | 25 A | 400 V | 3 | 1/4 |
| GW 94 050 | 30 mA | 32 A | 400 V | 3 | 1/4 |
| GW 94 055 | 300 mA | 6 A | 400 V | 3 | 1/4 |
| GW 94 056 | 300 mA | 10 A | 400 V | 3 | 1/4 |
| GW 94 057 | 300 mA | 16 A | 400 V | 3 | 1/4 |
| GW 94 058 | 300 mA | 20 A | 400 V | 3 | 1/4 |
| GW 94 059 | 300 mA | 25 A | 400 V | 3 | 1/4 |
| GW 94 060 | 300 mA | 32 A | 400 V | 3 | 1/4 |
| No. of poles: 4P | | | | | |
| GW 94 065 | 30 mA | 6 A | 400 V | 4 | 1/3 |
| GW 94 066 | 30 mA | 10 A | 400 V | 4 | 1/3 |
| GW 94 071 | 30 mA | 13 A | 400 V | 4 | 1/3 |
| GW 94 067 | 30 mA | 16 A | 400 V | 4 | 1/3 |
| GW 94 068 | 30 mA | 20 A | 400 V | 4 | 1/3 |
| GW 94 069 | 30 mA | 25 A | 400 V | 4 | 1/3 |
| GW 94 070 | 30 mA | 32 A | 400 V | 4 | 1/3 |
| GW 94 075 | 300 mA | 6 A | 400 V | 4 | 1/3 |
| GW 94 076 | 300 mA | 10 A | 400 V | 4 | 1/3 |
| GW 94 077 | 300 mA | 16 A | 400 V | 4 | 1/3 |
| GW 94 078 | 300 mA | 20 A | 400 V | 4 | 1/3 |
| GW 94 079 | 300 mA | 25 A | 400 V | 4 | 1/3 |
| GW 94 080 | 300 mA | 32 A | 400 V | 4 | 1/3 |

90 RCD

MDC 45 - A TYPE - C CURVE - 4500 A (EN 61009-1) - 4.5 KA (EN 60947-2)

| BREAKING CAPACITY 1P+N-2P | | |
|---------------------------|-----------|-----------|
| 230V | EN61009-1 | EN60947-2 |
| I _n =6+32 A | 4500 A | 6 kA |

| BREAKING CAPACITY 3-4P | | |
|------------------------|-----------|-----------|
| 400V | EN61009-1 | EN60947-2 |
| I _n =6+32 A | 4500 A | 4.5 kA |



GW 94 227

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | Idn | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---------------------------|--------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P+N | | | | | |
| GW 94 205 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 206 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 211 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 94 207 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 208 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 209 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 210 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 94 215 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 216 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 217 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 218 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 219 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 220 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 2P | | | | | |
| GW 94 225 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 226 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 231 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 94 227 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 228 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 229 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 230 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 94 235 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 236 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 237 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 238 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 239 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 240 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 3P | | | | | |
| GW 94 245 | 30 mA | 6 A | 400 V | 3 | 1/4 |
| GW 94 246 | 30 mA | 10 A | 400 V | 3 | 1/4 |
| GW 94 251 | 30 mA | 13 A | 400 V | 3 | 1/4 |
| GW 94 247 | 30 mA | 16 A | 400 V | 3 | 1/4 |
| GW 94 248 | 30 mA | 20 A | 400 V | 3 | 1/4 |
| GW 94 249 | 30 mA | 25 A | 400 V | 3 | 1/4 |
| GW 94 250 | 30 mA | 32 A | 400 V | 3 | 1/4 |
| GW 94 255 | 300 mA | 6 A | 400 V | 3 | 1/4 |
| GW 94 256 | 300 mA | 10 A | 400 V | 3 | 1/4 |
| GW 94 257 | 300 mA | 16 A | 400 V | 3 | 1/4 |
| GW 94 258 | 300 mA | 20 A | 400 V | 3 | 1/4 |
| GW 94 259 | 300 mA | 25 A | 400 V | 3 | 1/4 |
| GW 94 260 | 300 mA | 32 A | 400 V | 3 | 1/4 |
| No. of poles: 4P | | | | | |
| GW 94 265 | 30 mA | 6 A | 400 V | 4 | 1/3 |
| GW 94 266 | 30 mA | 10 A | 400 V | 4 | 1/3 |
| GW 94 271 | 30 mA | 13 A | 400 V | 4 | 1/3 |
| GW 94 267 | 30 mA | 16 A | 400 V | 4 | 1/3 |
| GW 94 268 | 30 mA | 20 A | 400 V | 4 | 1/3 |
| GW 94 269 | 30 mA | 25 A | 400 V | 4 | 1/3 |
| GW 94 270 | 30 mA | 32 A | 400 V | 4 | 1/3 |
| GW 94 275 | 300 mA | 6 A | 400 V | 4 | 1/3 |
| GW 94 276 | 300 mA | 10 A | 400 V | 4 | 1/3 |
| GW 94 277 | 300 mA | 16 A | 400 V | 4 | 1/3 |
| GW 94 278 | 300 mA | 20 A | 400 V | 4 | 1/3 |
| GW 94 279 | 300 mA | 25 A | 400 V | 4 | 1/3 |
| GW 94 280 | 300 mA | 32 A | 400 V | 4 | 1/3 |

MDC 60 - AC TYPE - C CURVE - 6000 A (EN 61009-1) - 6 KA (EN 60947-2)

| BREAKING CAPACITY 1P+N-2P | | |
|---------------------------|-----------------|-----------------|
| 230V | EN61009-1 | EN60947-2 |
| I _{cn} | I _{cn} | I _{cn} |
| I _n =6-32 A | 6000 A | 7.5 kA |

| BREAKING CAPACITY 3-4P | | |
|------------------------|-----------------|-----------------|
| 400V | EN61009-1 | EN60947-2 |
| I _{cn} | I _{cn} | I _{cn} |
| I _n =6-32 A | 6000 A | 6 kA |



GW 94 168

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | I _{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---------------------------|-----------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P+N | | | | | |
| GW 94 105 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 106 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 111 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 94 107 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 108 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 109 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 110 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 94 115 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 116 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 117 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 118 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 119 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 120 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 2P | | | | | |
| GW 94 125 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 126 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 131 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 94 127 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 128 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 129 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 130 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 94 135 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 136 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 137 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 138 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 139 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 140 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 3P | | | | | |
| GW 94 145 | 30 mA | 6 A | 400 V | 3 | 1/4 |
| GW 94 146 | 30 mA | 10 A | 400 V | 3 | 1/4 |
| GW 94 151 | 30 mA | 13 A | 400 V | 3 | 1/4 |
| GW 94 147 | 30 mA | 16 A | 400 V | 3 | 1/4 |
| GW 94 148 | 30 mA | 20 A | 400 V | 3 | 1/4 |
| GW 94 149 | 30 mA | 25 A | 400 V | 3 | 1/4 |
| GW 94 150 | 30 mA | 32 A | 400 V | 3 | 1/4 |
| GW 94 155 | 300 mA | 6 A | 400 V | 3 | 1/4 |
| GW 94 156 | 300 mA | 10 A | 400 V | 3 | 1/4 |
| GW 94 157 | 300 mA | 16 A | 400 V | 3 | 1/4 |
| GW 94 158 | 300 mA | 20 A | 400 V | 3 | 1/4 |
| GW 94 159 | 300 mA | 25 A | 400 V | 3 | 1/4 |
| GW 94 160 | 300 mA | 32 A | 400 V | 3 | 1/4 |
| No. of poles: 4P | | | | | |
| GW 94 165 | 30 mA | 6 A | 400 V | 4 | 1/3 |
| GW 94 166 | 30 mA | 10 A | 400 V | 4 | 1/3 |
| GW 94 171 | 30 mA | 13 A | 400 V | 4 | 1/3 |
| GW 94 167 | 30 mA | 16 A | 400 V | 4 | 1/3 |
| GW 94 168 | 30 mA | 20 A | 400 V | 4 | 1/3 |
| GW 94 169 | 30 mA | 25 A | 400 V | 4 | 1/3 |
| GW 94 170 | 30 mA | 32 A | 400 V | 4 | 1/3 |
| GW 94 175 | 300 mA | 6 A | 400 V | 4 | 1/3 |
| GW 94 176 | 300 mA | 10 A | 400 V | 4 | 1/3 |
| GW 94 177 | 300 mA | 16 A | 400 V | 4 | 1/3 |
| GW 94 178 | 300 mA | 20 A | 400 V | 4 | 1/3 |
| GW 94 179 | 300 mA | 25 A | 400 V | 4 | 1/3 |
| GW 94 180 | 300 mA | 32 A | 400 V | 4 | 1/3 |

90 RCD

MDC 60 - A TYPE - C CURVE - 6000 A (EN 61009-1) - 6 KA (EN 60947-2)

| BREAKING CAPACITY 1P+N-2P | | |
|---------------------------|-----------|-----------|
| 230V | EN61009-1 | EN60947-2 |
| I _n =6+32 A | 6000 A | 7.5 kA |

| BREAKING CAPACITY 3-4P | | |
|------------------------|-----------|-----------|
| 400V | EN61009-1 | EN60947-2 |
| I _n =6+32 A | 6000 A | 6 kA |



GW 94 347

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | Idn | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---------------------------|--------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P+N | | | | | |
| GW 94 305 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 306 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 311 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 94 307 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 308 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 309 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 310 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 94 315 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 316 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 317 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 318 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 319 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 320 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 2P | | | | | |
| GW 94 325 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 326 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 331 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 94 327 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 328 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 329 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 330 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 94 335 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 94 336 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 94 337 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 94 338 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 94 339 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 94 340 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 3P | | | | | |
| GW 94 345 | 30 mA | 6 A | 400 V | 3 | 1/4 |
| GW 94 346 | 30 mA | 10 A | 400 V | 3 | 1/4 |
| GW 94 351 | 30 mA | 13 A | 400 V | 3 | 1/4 |
| GW 94 347 | 30 mA | 16 A | 400 V | 3 | 1/4 |
| GW 94 348 | 30 mA | 20 A | 400 V | 3 | 1/4 |
| GW 94 349 | 30 mA | 25 A | 400 V | 3 | 1/4 |
| GW 94 350 | 30 mA | 32 A | 400 V | 3 | 1/4 |
| GW 94 355 | 300 mA | 6 A | 400 V | 3 | 1/4 |
| GW 94 356 | 300 mA | 10 A | 400 V | 3 | 1/4 |
| GW 94 357 | 300 mA | 16 A | 400 V | 3 | 1/4 |
| GW 94 358 | 300 mA | 20 A | 400 V | 3 | 1/4 |
| GW 94 359 | 300 mA | 25 A | 400 V | 3 | 1/4 |
| GW 94 360 | 300 mA | 32 A | 400 V | 3 | 1/4 |
| No. of poles: 4P | | | | | |
| GW 94 365 | 30 mA | 6 A | 400 V | 4 | 1/3 |
| GW 94 366 | 30 mA | 10 A | 400 V | 4 | 1/3 |
| GW 94 371 | 30 mA | 13 A | 400 V | 4 | 1/3 |
| GW 94 367 | 30 mA | 16 A | 400 V | 4 | 1/3 |
| GW 94 368 | 30 mA | 20 A | 400 V | 4 | 1/3 |
| GW 94 369 | 30 mA | 25 A | 400 V | 4 | 1/3 |
| GW 94 370 | 30 mA | 32 A | 400 V | 4 | 1/3 |
| GW 94 375 | 300 mA | 6 A | 400 V | 4 | 1/3 |
| GW 94 376 | 300 mA | 10 A | 400 V | 4 | 1/3 |
| GW 94 377 | 300 mA | 16 A | 400 V | 4 | 1/3 |
| GW 94 378 | 300 mA | 20 A | 400 V | 4 | 1/3 |
| GW 94 379 | 300 mA | 25 A | 400 V | 4 | 1/3 |
| GW 94 380 | 300 mA | 32 A | 400 V | 4 | 1/3 |

MDC 60 - A[IR] TYPE IMPULSE RESISTANT - C CURVE - 6000 A (EN 61009-1) - 6 KA (EN 60947-2)

| BREAKING CAPACITY 2P | | |
|----------------------|-----------|-----------|
| 230V | EN61009-1 | EN60947-2 |
| $I_n=6+32\text{ A}$ | 6000 A | 7.5 kA |

| BREAKING CAPACITY 4P | | |
|----------------------|-----------|-----------|
| 400V | EN61009-1 | EN60947-2 |
| $I_n=6+32\text{ A}$ | 6000 A | 6 kA |



GW 95 817

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | I_{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|----------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 95 805 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 806 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 811 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 807 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 808 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 809 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 810 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 4P | | | | | |
| GW 95 815 | 30 mA | 6 A | 400 V | 4 | 1/3 |
| GW 95 816 | 30 mA | 10 A | 400 V | 4 | 1/3 |
| GW 95 821 | 30 mA | 13 A | 400 V | 4 | 1/3 |
| GW 95 817 | 30 mA | 16 A | 400 V | 4 | 1/3 |
| GW 95 818 | 30 mA | 20 A | 400 V | 4 | 1/3 |
| GW 95 819 | 30 mA | 25 A | 400 V | 4 | 1/3 |
| GW 95 820 | 30 mA | 32 A | 400 V | 4 | 1/3 |

CHARACTERISTICS: type A[IR] presents greater resistance to mains disturbances and atmospheric discharges in comparison to standard residual current circuit breakers with overcurrent protection. Immunity level 8/20 μs is 3000 A.

MDC 60 - A[S] TYPE SELECTIVE - C CURVE - 6000 A (EN 61009-1) - 6 KA (EN 60947-2)

| BREAKING CAPACITY 2-4P | | |
|------------------------|-----------|-----------|
| 230V | EN61009-1 | EN60947-2 |
| $I_n=16+32\text{ A}$ | 6000 A | 7.5 kA |

| BREAKING CAPACITY 4P | | |
|----------------------|-----------|-----------|
| 400V | EN61009-1 | EN60947-2 |
| $I_n=16+32\text{ A}$ | 6000 A | 6 kA |



GW 95 850

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | I_{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|----------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 95 847 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 848 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 849 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 850 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 4P | | | | | |
| GW 95 857 | 300 mA | 16 A | 400 V | 4 | 1/3 |
| GW 95 858 | 300 mA | 20 A | 400 V | 4 | 1/3 |
| GW 95 859 | 300 mA | 25 A | 400 V | 4 | 1/3 |
| GW 95 860 | 300 mA | 32 A | 400 V | 4 | 1/3 |

90 RCD

MDC 60 - A TYPE - B CURVE - 6000 A (EN 61009-1) - 6 KA (EN 60947-2)

| BREAKING CAPACITY 1P+N-2P | | |
|---------------------------|-----------|-----------|
| 230V | EN61009-1 | EN60947-2 |
| I _n =6÷32 A | 6000 A | 7.5 kA |

| BREAKING CAPACITY 3-4P | | |
|------------------------|-----------|-----------|
| 400V | EN61009-1 | EN60947-2 |
| I _n =6÷32 A | 6000 A | 6 kA |



GW 95 168

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | I _{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---------------------------|-----------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P+N | | | | | |
| GW 95 105 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 106 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 111 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 107 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 108 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 109 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 110 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 95 115 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 116 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 117 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 118 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 119 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 120 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 2P | | | | | |
| GW 95 125 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 126 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 131 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 127 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 128 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 129 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 130 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 95 135 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 136 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 137 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 138 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 139 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 140 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 3P | | | | | |
| GW 95 145 | 30 mA | 6 A | 400 V | 3 | 1/4 |
| GW 95 146 | 30 mA | 10 A | 400 V | 3 | 1/4 |
| GW 95 151 | 30 mA | 13 A | 400 V | 3 | 1/4 |
| GW 95 147 | 30 mA | 16 A | 400 V | 3 | 1/4 |
| GW 95 148 | 30 mA | 20 A | 400 V | 3 | 1/4 |
| GW 95 149 | 30 mA | 25 A | 400 V | 3 | 1/4 |
| GW 95 150 | 30 mA | 32 A | 400 V | 3 | 1/4 |
| GW 95 155 | 300 mA | 6 A | 400 V | 3 | 1/4 |
| GW 95 156 | 300 mA | 10 A | 400 V | 3 | 1/4 |
| GW 95 157 | 300 mA | 16 A | 400 V | 3 | 1/4 |
| GW 95 158 | 300 mA | 20 A | 400 V | 3 | 1/4 |
| GW 95 159 | 300 mA | 25 A | 400 V | 3 | 1/4 |
| GW 95 160 | 300 mA | 32 A | 400 V | 3 | 1/4 |
| No. of poles: 4P | | | | | |
| GW 95 165 | 30 mA | 6 A | 400 V | 4 | 1/3 |
| GW 95 166 | 30 mA | 10 A | 400 V | 4 | 1/3 |
| GW 95 171 | 30 mA | 13 A | 400 V | 4 | 1/3 |
| GW 95 167 | 30 mA | 16 A | 400 V | 4 | 1/3 |
| GW 95 168 | 30 mA | 20 A | 400 V | 4 | 1/3 |
| GW 95 169 | 30 mA | 25 A | 400 V | 4 | 1/3 |
| GW 95 170 | 30 mA | 32 A | 400 V | 4 | 1/3 |
| GW 95 175 | 300 mA | 6 A | 400 V | 4 | 1/3 |
| GW 95 176 | 300 mA | 10 A | 400 V | 4 | 1/3 |
| GW 95 177 | 300 mA | 16 A | 400 V | 4 | 1/3 |
| GW 95 178 | 300 mA | 20 A | 400 V | 4 | 1/3 |
| GW 95 179 | 300 mA | 25 A | 400 V | 4 | 1/3 |
| GW 95 180 | 300 mA | 32 A | 400 V | 4 | 1/3 |

MDC 100 - AC TYPE - C CURVE - 10000 A (EN 61009-1) - 10 KA (EN 60947-2)

| BREAKING CAPACITY 1P+N-2P | | |
|---------------------------|-----------|-----------|
| 230V | EN61009-1 | EN60947-2 |
| I _n =6+32 A | 10000 A | 10 kA |



GW 95 027

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | I _{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---------------------------|-----------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P+N | | | | | |
| GW 95 005 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 006 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 011 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 007 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 008 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 009 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 010 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 95 015 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 016 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 017 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 018 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 019 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 020 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 2P | | | | | |
| GW 95 025 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 026 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 031 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 027 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 028 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 029 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 030 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 95 035 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 036 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 037 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 038 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 039 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 040 | 300 mA | 32 A | 230 V | 2 | 1/6 |

MDC 100 MA - AC TYPE - C CURVE - 10000 A (EN 61009-1) - 10 KA (EN 60947-2)

| BREAKING CAPACITY 2P | | |
|------------------------|-----------|-----------|
| 110V | EN61009-1 | EN60947-2 |
| I _n =6+32 A | 10000 A | 10 kA |



GW 95 025 MA

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | I _{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|-----------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 95 025 MA | 30 mA | 6 A | 110 V | 2 | 1/6 |
| GW 95 026 MA | 30 mA | 10 A | 110 V | 2 | 1/6 |
| GW 95 031 MA | 30 mA | 13 A | 110 V | 2 | 1/6 |
| GW 95 027 MA | 30 mA | 16 A | 110 V | 2 | 1/6 |
| GW 95 028 MA | 30 mA | 20 A | 110 V | 2 | 1/6 |
| GW 95 029 MA | 30 mA | 25 A | 110 V | 2 | 1/6 |
| GW 95 030 MA | 30 mA | 32 A | 110 V | 2 | 1/6 |
| GW 95 035 MA | 300 mA | 6 A | 110 V | 2 | 1/6 |
| GW 95 036 MA | 300 mA | 10 A | 110 V | 2 | 1/6 |
| GW 95 037 MA | 300 mA | 16 A | 110 V | 2 | 1/6 |
| GW 95 038 MA | 300 mA | 20 A | 110 V | 2 | 1/6 |
| GW 95 039 MA | 300 mA | 25 A | 110 V | 2 | 1/6 |
| GW 95 040 MA | 300 mA | 32 A | 110 V | 2 | 1/6 |

MDC 100 - A TYPE - C CURVE - 10000 A (EN 61009-1) - 10 KA (EN 60947-2)

| BREAKING CAPACITY 1P+N-2P-3P | | |
|------------------------------|-------------|-------------|
| 230V | 10kA/1000-1 | 10kA/1000-1 |
| In=6+32 A | 10000 A | 10 kA |



GW 95 227

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | Idn | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|---------------------------|--------|---------------|---------------|-------------------------|-------------|
| No. of poles: 1P+N | | | | | |
| GW 95 205 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 206 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 211 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 207 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 208 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 209 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 210 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 95 215 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 216 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 217 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 218 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 219 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 220 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 2P | | | | | |
| GW 95 225 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 226 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 231 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 227 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 228 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 229 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 230 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 95 785 | 100 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 786 | 100 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 791 | 100 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 787 | 100 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 788 | 100 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 789 | 100 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 790 | 100 mA | 32 A | 230 V | 2 | 1/6 |
| GW 95 235 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 236 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 237 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 238 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 239 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 240 | 300 mA | 32 A | 230 V | 2 | 1/6 |
| No. of poles: 3P | | | | | |
| GW 95 245 | 30 mA | 6 A | 230 V | 3 | 1/4 |
| GW 95 246 | 30 mA | 10 A | 230 V | 3 | 1/4 |
| GW 95 247 | 30 mA | 16 A | 230 V | 3 | 1/4 |
| GW 95 248 | 30 mA | 20 A | 230 V | 3 | 1/4 |
| GW 95 249 | 30 mA | 25 A | 230 V | 3 | 1/4 |
| GW 95 250 | 30 mA | 32 A | 230 V | 3 | 1/4 |

MDC 100 MA - A TYPE - C CURVE - 10000 A (EN 61009-1) - 10 KA (EN 60947-2)

| BREAKING CAPACITY 2P | | |
|------------------------|------------------------------|------------------------------|
| 110V | EN61009-1 I _{cn} | EN60947-2 I _{cu} |
| I _n =6÷32 A | 10000 A | 10 kA |



GW 95 225 MA

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | I _{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|-----------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 95 225 MA | 30 mA | 6 A | 110 V | 2 | 1/6 |
| GW 95 226 MA | 30 mA | 10 A | 110 V | 2 | 1/6 |
| GW 95 231 MA | 30 mA | 13 A | 110 V | 2 | 1/6 |
| GW 95 227 MA | 30 mA | 16 A | 110 V | 2 | 1/6 |
| GW 95 228 MA | 30 mA | 20 A | 110 V | 2 | 1/6 |
| GW 95 229 MA | 30 mA | 25 A | 110 V | 2 | 1/6 |
| GW 95 230 MA | 30 mA | 32 A | 110 V | 2 | 1/6 |
| GW 95 235 MA | 300 mA | 6 A | 110 V | 2 | 1/6 |
| GW 95 236 MA | 300 mA | 10 A | 110 V | 2 | 1/6 |
| GW 95 237 MA | 300 mA | 16 A | 110 V | 2 | 1/6 |
| GW 95 238 MA | 300 mA | 20 A | 110 V | 2 | 1/6 |
| GW 95 239 MA | 300 mA | 25 A | 110 V | 2 | 1/6 |
| GW 95 240 MA | 300 mA | 32 A | 110 V | 2 | 1/6 |

MDC 100 - A[IR] TYPE IMPULSE RESISTANT - C CURVE - 10000 A (EN 61009-1) - 10 KA (EN 60947-2)

| BREAKING CAPACITY 2P | | |
|------------------------|------------------------------|------------------------------|
| 230V | EN61009-1 I _{cn} | EN60947-2 I _{cu} |
| I _n =6÷32 A | 10000 A | 10 kA |



GW 95 827

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | I _{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|-----------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 95 825 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 826 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 831 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 827 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 828 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 829 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 830 | 30 mA | 32 A | 230 V | 2 | 1/6 |

CHARACTERISTICS: type A[IR] presents greater resistance to mains disturbances and atmospheric discharges in comparison to standard residual current circuit breakers with overcurrent protection. Immunity level 8/20 µs is 3000 A.

90 RCD

MDC 100 - A TYPE - B CURVE - 10000 A (EN 61009-1) - 10 KA (EN 60947-2)

| BREAKING CAPACITY 2P | | |
|------------------------|------------------------------|------------------------------|
| 230V | EN61009-1 I _{nt} | EN60947-2 I _{cu} |
| I _n =6÷32 A | 10000 A | 10 kA |



GW 95 327

COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | I _{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|-----------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 95 325 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 326 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 331 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 327 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 328 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 329 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 330 | 30 mA | 32 A | 230 V | 2 | 1/6 |
| GW 95 795 | 100 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 796 | 100 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 801 | 100 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 797 | 100 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 798 | 100 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 799 | 100 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 800 | 100 mA | 32 A | 230 V | 2 | 1/6 |
| GW 95 335 | 300 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 336 | 300 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 337 | 300 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 338 | 300 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 339 | 300 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 340 | 300 mA | 32 A | 230 V | 2 | 1/6 |

MDC 100 - A[IR] TYPE IMPULSE RESISTANT - B CURVE - 10000 A (EN 61009-1) - 10 KA (EN 60947-2)

| BREAKING CAPACITY 2P | | |
|------------------------|------------------------------|------------------------------|
| 230V | EN61009-1 I _{nt} | EN60947-2 I _{cu} |
| I _n =6÷32 A | 10000 A | 10 kA |



GW 95 837

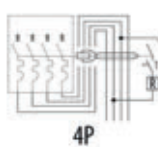
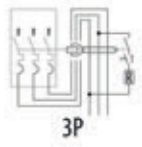
COMPACT RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERCURRENT PROTECTION



| Code | I _{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|-----------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 95 835 | 30 mA | 6 A | 230 V | 2 | 1/6 |
| GW 95 836 | 30 mA | 10 A | 230 V | 2 | 1/6 |
| GW 95 841 | 30 mA | 13 A | 230 V | 2 | 1/6 |
| GW 95 837 | 30 mA | 16 A | 230 V | 2 | 1/6 |
| GW 95 838 | 30 mA | 20 A | 230 V | 2 | 1/6 |
| GW 95 839 | 30 mA | 25 A | 230 V | 2 | 1/6 |
| GW 95 840 | 30 mA | 32 A | 230 V | 2 | 1/6 |

CHARACTERISTICS: type A[IR] presents greater resistance to mains disturbances and atmospheric discharges in comparison to standard residual current circuit breakers with overcurrent protection. Immunity level 8/20 μs is 3000 A.

BD - ADD-ON RESIDUAL CURRENT DEVICES FOR MT CIRCUIT BREAKERS



BD - AC TYPE (INSTANTANEOUS)



GW 94 402

ADD-ON RESIDUAL CURRENT DEVICES



| Code | Idn | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|--------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 94 401 | 10 mA | 25 A | 230 V | 2 | 1/2 |
| GW 94 402 | 30 mA | 25 A | 230 V | 2 | 1/2 |
| GW 94 403 | 300 mA | 25 A | 230 V | 2 | 1/2 |
| GW 94 404 | 500 mA | 25 A | 230 V | 2 | 1/2 |
| GW 94 412 | 30 mA | 63 A | 230 V | 2 | 1/2 |
| GW 94 413 | 300 mA | 63 A | 230 V | 2 | 1/2 |
| GW 94 414 | 500 mA | 63 A | 230 V | 2 | 1/2 |
| No. of poles: 3P | | | | | |
| GW 94 442 | 30 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 443 | 300 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 444 | 500 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 448 | 30 mA | 63 A | 400 V | 3.5 | 1/2 |
| GW 94 449 | 300 mA | 63 A | 400 V | 3.5 | 1/2 |
| GW 94 450 | 500 mA | 63 A | 400 V | 3.5 | 1/2 |
| No. of poles: 4P | | | | | |
| GW 94 422 | 30 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 423 | 300 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 424 | 500 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 432 | 30 mA | 63 A | 400 V | 3.5 | 1/2 |
| GW 94 433 | 300 mA | 63 A | 400 V | 3.5 | 1/2 |
| GW 94 434 | 500 mA | 63 A | 400 V | 3.5 | 1/2 |

BD - A TYPE (INSTANTANEOUS)



GW 94 502

ADD-ON RESIDUAL CURRENT DEVICES





| Code | Idn | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|--------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 94 502 | 30 mA | 25 A | 230 V | 2 | 1/2 |
| GW 94 503 | 300 mA | 25 A | 230 V | 2 | 1/2 |
| GW 94 504 | 500 mA | 25 A | 230 V | 2 | 1/2 |
| GW 94 512 | 30 mA | 63 A | 230 V | 2 | 1/2 |
| GW 94 513 | 300 mA | 63 A | 230 V | 2 | 1/2 |
| GW 94 514 | 500 mA | 63 A | 230 V | 2 | 1/2 |
| No. of poles: 3P | | | | | |
| GW 94 542 | 30 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 543 | 300 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 544 | 500 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 547 | 30 mA | 63 A | 400 V | 3.5 | 1/2 |
| GW 94 548 | 300 mA | 63 A | 400 V | 3.5 | 1/2 |
| GW 94 549 | 500 mA | 63 A | 400 V | 3.5 | 1/2 |
| No. of poles: 4P | | | | | |
| GW 94 522 | 30 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 523 | 300 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 524 | 500 mA | 25 A | 400 V | 3.5 | 1/2 |
| GW 94 532 | 30 mA | 63 A | 400 V | 3.5 | 1/2 |
| GW 94 533 | 300 mA | 63 A | 400 V | 3.5 | 1/2 |
| GW 94 534 | 500 mA | 63 A | 400 V | 3.5 | 1/2 |

BD - A[IR] TYPE (IMPULSE RESISTANT)



GW 94 566

ADD-ON RESIDUAL CURRENT DEVICES

| <div></div> | | | | | |
|---|-------|---------------|---------------|-------------------------|-------------|
| Code | Idn | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
| No. of poles: 2P | | | | | |
| GW 94 566 | 30 mA | 63 A | 230 V | 2 | 1/2 |
| No. of poles: 3P | | | | | |
| GW 94 595 | 30 mA | 63 A | 400 V | 3.5 | 1/2 |
| No. of poles: 4P | | | | | |
| GW 94 586 | 30 mA | 63 A | 400 V | 3.5 | 1/2 |



CHARACTERISTICS: type A[IR] presents greater resistance to mains disturbances and atmospheric discharges in comparison to add-on residual current devices.
Immunity level 8/20 µs is 3000 A.

BD - A[S] TYPE (SELECTIVE)

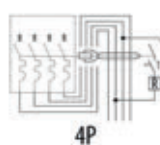
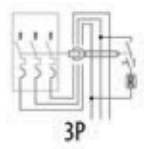
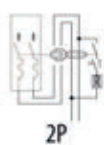


GW 94 563

ADD-ON RESIDUAL CURRENT DEVICES

| <div></div> | | | | | |
|---|---------|---------------|---------------|-------------------------|-------------|
| Code | Idn | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
| No. of poles: 2P | | | | | |
| GW 94 563 | 300 mA | 63 A | 230 V | 2 | 1/2 |
| GW 94 565 | 1000 mA | 63 A | 230 V | 2 | 1/2 |
| No. of poles: 3P | | | | | |
| GW 94 598 | 300 mA | 63 A | 400 V | 3.5 | 1/2 |
| GW 94 600 | 1000 mA | 63 A | 400 V | 3.5 | 1/2 |
| No. of poles: 4P | | | | | |
| GW 94 583 | 300 mA | 63 A | 400 V | 3.5 | 1/2 |
| GW 94 585 | 1000 mA | 63 A | 400 V | 3.5 | 1/2 |

BDHP - ADD-ON RESIDUAL CURRENT DEVICES FOR MTHP CIRCUIT BREAKERS



BDHP - AC TYPE (INSTANTANEOUS)



GW 95 416

ADD-ON RESIDUAL CURRENT DEVICES



| Code | I_{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|----------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 95 406 | 30 mA | 125 A | 230 V | 4 | 1/2 |
| GW 95 408 | 300 mA | 125 A | 230 V | 4 | 1/2 |
| No. of poles: 3P | | | | | |
| GW 95 416 | 30 mA | 125 A | 400 V | 6 | 1/2 |
| GW 95 418 | 300 mA | 125 A | 400 V | 6 | 1/2 |
| No. of poles: 4P | | | | | |
| GW 95 426 | 30 mA | 125 A | 400 V | 6 | 1/2 |
| GW 95 428 | 300 mA | 125 A | 400 V | 6 | 1/2 |

BDHP - A TYPE (INSTANTANEOUS)



GW 95 446

ADD-ON RESIDUAL CURRENT DEVICES



| Code | I_{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|----------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 95 436 | 30 mA | 125 A | 230 V | 4 | 1/2 |
| GW 95 438 | 300 mA | 125 A | 230 V | 4 | 1/2 |
| No. of poles: 3P | | | | | |
| GW 95 446 | 30 mA | 125 A | 400 V | 6 | 1/2 |
| GW 95 448 | 300 mA | 125 A | 400 V | 6 | 1/2 |
| No. of poles: 4P | | | | | |
| GW 95 456 | 30 mA | 125 A | 400 V | 6 | 1/2 |
| GW 95 458 | 300 mA | 125 A | 400 V | 6 | 1/2 |

BDHP - A[S] TYPE (SELECTIVE)



GW 95 478

ADD-ON RESIDUAL CURRENT DEVICES



| Code | I_{dn} | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|----------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | |
| GW 95 468 | 300 mA | 125 A | 230 V | 4 | 1/2 |
| GW 95 470 | 1000 mA | 125 A | 230 V | 4 | 1/2 |
| No. of poles: 3P | | | | | |
| GW 95 478 | 300 mA | 125 A | 400 V | 6 | 1/2 |
| GW 95 480 | 1000 mA | 125 A | 400 V | 6 | 1/2 |
| No. of poles: 4P | | | | | |
| GW 95 488 | 300 mA | 125 A | 400 V | 6 | 1/2 |
| GW 95 490 | 1000 mA | 125 A | 400 V | 6 | 1/2 |

90 RCD

BDHP - TYPE A[IR] ADJUSTABLE BOOSTED IMMUNITY



GW 95 512

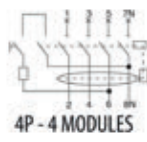
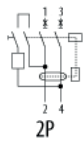
ADD-ON RESIDUAL CURRENT DEVICE



| Code | Idn | Adjustable tripping time | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|-------------|--------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 4P | | | | | | |
| GW 95 512 | 300-3000 mA | 0 - 60 - 150 ms | 125 A | 400 V | 6 | 1/2 |

CHARACTERISTICS: Id_a: adjustable 300-500-1000-3000 mA; adjustable tripping time 0-60-150 ms.
Type A[IR] presents greater resistance to mains disturbances and atmospheric discharges in comparison to standard add-on residual current devices. Immunity level 8/20 µs is 3000 A.

IDP NA - RESIDUAL CURRENT CIRCUIT BREAKERS (ACCESSORIES NOT AVAILABLE)



IDP NA - AC TYPE INSTANTANEOUS



GW D4 617

RESIDUAL CURRENT CIRCUIT BREAKERS



| Code | Rated current | Idn | Rated voltage | Auxiliaries compatibility | ReStart compatibility | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|--------|---------------|---------------------------|-----------------------|-------------------------|-------------|
| No. of poles: 2P | | | | | | | |
| GW D4 617 | 25 A | 30 mA | 230 V | No | Yes | 2 | 1/6 |
| GW D4 627 | 40 A | 30 mA | 230 V | No | Yes | 2 | 1/6 |
| No. of poles: 4P | | | | | | | |
| GW D4 427 | 25 A | 30 mA | 400 V | No | No | 4 | 1/3 |
| GW D4 429 | 25 A | 300 mA | 400 V | No | No | 4 | 1/3 |
| GW D4 431 | 40 A | 30 mA | 400 V | No | No | 4 | 1/3 |
| GW D4 433 | 40 A | 300 mA | 400 V | No | No | 4 | 1/3 |
| GW D4 435 | 63 A | 30 mA | 400 V | No | No | 4 | 1/3 |
| GW D4 437 | 63 A | 300 mA | 400 V | No | No | 4 | 1/3 |

IDP NA - A TYPE INSTANTANEOUS



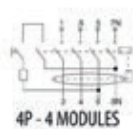
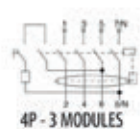
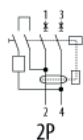
GW D4 817

RESIDUAL CURRENT CIRCUIT BREAKERS



| Code | Rated current | Idn | Rated voltage | Auxiliaries compatibility | ReStart compatibility | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|--------|---------------|---------------------------|-----------------------|-------------------------|-------------|
| No. of poles: 2P | | | | | | | |
| GW D4 817 | 25 A | 30 mA | 230 V | No | Yes | 2 | 1/6 |
| GW D4 827 | 40 A | 30 mA | 230 V | No | Yes | 2 | 1/6 |
| No. of poles: 4P | | | | | | | |
| GW D4 439 | 25 A | 30 mA | 400 V | No | No | 4 | 1/3 |
| GW D4 441 | 25 A | 300 mA | 400 V | No | No | 4 | 1/3 |
| GW D4 443 | 40 A | 30 mA | 400 V | No | No | 4 | 1/3 |
| GW D4 445 | 40 A | 300 mA | 400 V | No | No | 4 | 1/3 |
| GW D4 447 | 63 A | 30 mA | 400 V | No | No | 4 | 1/3 |
| GW D4 449 | 63 A | 300 mA | 400 V | No | No | 4 | 1/3 |

IDP - RESIDUAL CURRENT CIRCUIT BREAKERS



IDP - AC TYPE INSTANTANEOUS



GW D4 001

RESIDUAL CURRENT CIRCUIT BREAKERS



| Code | Rated current | I _{dn} | Rated voltage | Auxiliaries compatibility | ReStart compatibility | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|-----------------|---------------|---------------------------|-----------------------|-------------------------|-------------|
| No. of poles: 2P | | | | | | | |
| GW D4 001 | 25 A | 10 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 002 | 25 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 003 | 25 A | 100 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 004 | 25 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 022 | 40 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 023 | 40 A | 100 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 024 | 40 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 025 | 40 A | 500 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 042 | 63 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 043 | 63 A | 100 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 044 | 63 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 045 | 63 A | 500 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 062 | ③ 80 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 063 | ③ 80 A | 100 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 064 | ③ 80 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 082 | ③ 100 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 084 | ③ 100 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| No. of poles: 4P | | | | | | | |
| GW 94 662 | 25 A | 30 mA | 400 V | Yes | No | 3 | 1/4 |
| GW 94 664 | 25 A | 300 mA | 400 V | Yes | No | 3 | 1/4 |
| GW 94 667 | 40 A | 30 mA | 400 V | Yes | No | 3 | 1/4 |
| GW 94 668 | 40 A | 100 mA | 400 V | Yes | No | 3 | 1/4 |
| GW 94 669 | 40 A | 300 mA | 400 V | Yes | No | 3 | 1/4 |
| GW 94 670 | 40 A | 500 mA | 400 V | Yes | No | 3 | 1/4 |
| GW D4 102 | 25 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 103 | 25 A | 100 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 104 | 25 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 122 | 40 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 123 | 40 A | 100 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 124 | 40 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 125 | 40 A | 500 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 142 | 63 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 143 | 63 A | 100 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 144 | 63 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 145 | 63 A | 500 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 162 | ③ 80 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 163 | ③ 80 A | 100 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 164 | ③ 80 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 182 | ③ 100 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 183 | ③ 100 A | 100 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 184 | ③ 100 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 185 | ③ 100 A | 500 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW 95 601 | 125 A | 30 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 603 | 125 A | 300 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 604 | 125 A | 500 mA | 400 V | Yes | No | 4 | 1 |

to be continued on next page



GW D4 001

(CONTINUE)
RESIDUAL CURRENT CIRCUIT BREAKERS



| Code | Rated current | Idn | Rated voltage | Auxiliaries compatibility | ReStart compatibility | No. of modules EN 50022 | Pack Carton |
|-------------------------------------|---------------|--------|---------------|---------------------------|-----------------------|-------------------------|-------------|
| No. of poles: 4P (N-conductor left) | | | | | | | |
| GW D4 302 | 25 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 304 | 25 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 322 | 40 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 324 | 40 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 342 | 63 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 344 | 63 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 362 | 80 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 364 | 80 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 382 | 100 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 384 | 100 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |

IDP - A TYPE INSTANTANEOUS



GW D4 011

RESIDUAL CURRENT CIRCUIT BREAKERS



| Code | Rated current | I _{dn} | Rated voltage | Auxiliaries compatibility | ReStart compatibility | No. of modules EN 50022 | Pack Carton |
|--|---------------|-----------------|---------------|---------------------------|-----------------------|-------------------------|-------------|
| No. of poles: 2P | | | | | | | |
| GW D4 011 | 25 A | 10 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 012 | 25 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 013 | 25 A | 100 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 014 | 25 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 032 | 40 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 033 | 40 A | 100 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 034 | 40 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 035 | 40 A | 500 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 052 | 63 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 053 | 63 A | 100 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 054 | 63 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 055 | 63 A | 500 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 072 | ③ 80 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 073 | ③ 80 A | 100 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 074 | ③ 80 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 092 | ③ 100 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 093 | ③ 100 A | 100 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 094 | ③ 100 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| No. of poles: 4P | | | | | | | |
| GW 94 866 | 25 A | 10 mA | 400 V | Yes | No | 3 | 1/4 |
| GW 94 867 | 25 A | 30 mA | 400 V | Yes | No | 3 | 1/4 |
| GW 94 869 | 25 A | 300 mA | 400 V | Yes | No | 3 | 1/4 |
| GW 94 885 | 40 A | 300 mA | 230 V | Yes | No | 3 | 1/4 |
| GW 94 897 | 40 A | 30 mA | 400 V | Yes | No | 3 | 1/4 |
| GW 94 898 | 40 A | 100 mA | 400 V | Yes | No | 3 | 1/4 |
| GW 94 899 | 40 A | 300 mA | 400 V | Yes | No | 3 | 1/4 |
| GW 94 900 | 40 A | 500 mA | 400 V | Yes | No | 3 | 1/4 |
| GW D4 111 | 25 A | 10 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 112 | 25 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 113 | 25 A | 100 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 114 | 25 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 132 | 40 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 133 | 40 A | 100 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 134 | 40 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 135 | 40 A | 500 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 152 | 63 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 153 | 63 A | 100 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 154 | 63 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 155 | 63 A | 500 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 172 | ③ 80 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 173 | ③ 80 A | 100 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 174 | ③ 80 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 192 | ③ 100 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 193 | ③ 100 A | 100 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 194 | ③ 100 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 195 | ③ 100 A | 500 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW 95 606 | 125 A | 30 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 608 | 125 A | 300 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 609 | 125 A | 500 mA | 400 V | Yes | No | 4 | 1 |
| No. of poles: 4P (N-conductor left) | | | | | | | |
| GW D4 312 | 25 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 314 | 25 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 332 | 40 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 334 | 40 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 352 | 63 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 354 | 63 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |

IDP - A[IR] TYPE (IMPULSE RESISTANT)



GW D4 217

RESIDUAL CURRENT CIRCUIT BREAKERS



| Code | Rated current | I _{dn} | Rated voltage | Auxiliaries compatibility | ReStart compatibility | No. of modules EN 50022 | Pack Carton |
|--|---------------|-----------------|---------------|---------------------------|-----------------------|-------------------------|-------------|
| No. of poles: 2P | | | | | | | |
| GW D4 202 | 25 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 203 | 25 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 205 | 40 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 206 | 40 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 208 | 63 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 209 | 63 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 211 | ③ 100 A | 30 mA | 230 V | Yes | Yes | 2 | 1/6 |
| No. of poles: 4P | | | | | | | |
| GW D4 217 | 25 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 218 | 25 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 220 | 40 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 221 | 40 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 223 | 63 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 224 | 63 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 226 | ③ 100 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 227 | ③ 100 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| No. of poles: 4P (N-conductor left) | | | | | | | |
| GW D4 317 | 25 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 337 | 40 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 357 | 63 A | 30 mA | 400 V | Yes | Yes | 4 | 1/3 |

CHARACTERISTICS: type A[IR] presents greater resistance to mains disturbances and atmospheric discharges in comparison to standard residual current circuit breakers. Immunity level 8/20 µs is 3000 A.

IDP - A[S] TYPE (SELECTIVE)



GW D4 249

RESIDUAL CURRENT CIRCUIT BREAKERS



| Code | Rated current | I _{dn} | Rated voltage | Auxiliaries compatibility | ReStart compatibility | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|-----------------|---------------|---------------------------|-----------------------|-------------------------|-------------|
| No. of poles: 2P | | | | | | | |
| GW D4 234 | 40 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 235 | 40 A | 500 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 237 | 63 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 238 | 63 A | 500 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 240 | ③ 80 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 243 | ③ 100 A | 300 mA | 230 V | Yes | Yes | 2 | 1/6 |
| GW D4 244 | ③ 100 A | 500 mA | 230 V | Yes | Yes | 2 | 1/6 |
| No. of poles: 4P | | | | | | | |
| GW D4 249 | 40 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 250 | 40 A | 500 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 252 | 63 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 253 | 63 A | 500 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 255 | ③ 80 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 258 | ③ 100 A | 300 mA | 400 V | Yes | Yes | 4 | 1/3 |
| GW D4 259 | ③ 100 A | 500 mA | 400 V | Yes | Yes | 4 | 1/3 |

IDP - B[IR] TYPE (IMPULSE RESISTANT)



GW 95 701

RESIDUAL CURRENT CIRCUIT BREAKERS



| Code | Rated current | Idn | Rated voltage | Auxiliaries compatibility | ReStart compatibility | No. of modules EN 50022 | Pack Carton |
|------------------|---------------|--------|---------------|---------------------------|-----------------------|-------------------------|-------------|
| No. of poles: 2P | | | | | | | |
| GW 95 701 | 25 A | 30 mA | 230 V | Yes | No | 4 | 1 |
| GW 95 706 | 40 A | 30 mA | 230 V | Yes | No | 4 | 1 |
| No. of poles: 4P | | | | | | | |
| GW 95 716 | 25 A | 30 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 718 | 25 A | 300 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 721 | 40 A | 30 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 723 | 40 A | 300 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 726 | 63 A | 30 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 728 | 63 A | 300 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 729 | 63 A | 500 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 731 | 80 A | 30 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 733 | 80 A | 300 mA | 400 V | Yes | No | 4 | 1 |

CHARACTERISTICS: type B[IR] presents greater resistance to mains disturbances and atmospheric discharges in comparison to standard residual current circuit breakers. Immunity level 8/20 μ s is 3000 A.

IDP - B[S] TYPE (SELECTIVE)



GW 95 737

RESIDUAL CURRENT CIRCUIT BREAKERS



| Code | Rated current | Idn | Rated voltage | Auxiliaries compatibility | ReStart compatibility | No. of modules EN 50022 | Pack Carton |
|------------------|---------------|--------|---------------|---------------------------|-----------------------|-------------------------|-------------|
| No. of poles: 4P | | | | | | | |
| GW 95 737 | 63 A | 300 mA | 400 V | Yes | No | 4 | 1 |
| GW 95 743 | 80 A | 300 mA | 400 V | Yes | No | 4 | 1 |

90 RCD

LOCAL RESIDUAL CURRENT PROTECTION DEVICES

SAFETY SOCKET-OUTLETS WITH RESIDUAL CURRENT PROTECTION



GW 95 921

FLUSH MOUNTING RCD SAFETY SOCKET-OUTLETS - TYPE A - COLOUR POLAR WHITE - IP21

| Code | Idn | Rated current | Rated voltage | Pack Carton |
|-----------|-------|---------------|---------------|-------------|
| GW 95 921 | 10 mA | 16 A | 230 V | 1/2 |
| GW 95 922 | 30 mA | 16 A | 230 V | 1/2 |



GW 95 924

FLUSH MOUNTING RCD SAFETY SOCKET-OUTLETS - TYPE A - COLOUR POLAR WHITE - WATER PROTECTED VERSION IP44

| Code | Idn | Rated current | Rated voltage | Pack Carton |
|-----------|-------|---------------|---------------|-------------|
| GW 95 923 | 10 mA | 16 A | 230 V | 1/2 |
| GW 95 924 | 30 mA | 16 A | 230 V | 1/2 |



GW 95 925

FLUSH-MOUNTING RCD SAFETY UNIT - TYPE A - COLOUR POLAR WHITE - IP41

| Code | Idn | Rated current | Rated voltage | Pack Carton |
|-----------|-------|---------------|---------------|-------------|
| GW 95 925 | 10 mA | 16 A | 230 V | 1/2 |
| GW 95 926 | 30 mA | 16 A | 230 V | 1/2 |



GW 95 928

WALL MOUNTING HOUSING FOR RCD SAFETY SOCKET-OUTLETS AND UNITS

| Code | Description | Suitable for | Colour | Pack Carton |
|-----------|-------------|---------------------|--------|-------------|
| GW 95 928 | Housing | IP44 socket-outlets | White | 5/100 |

90 RCD

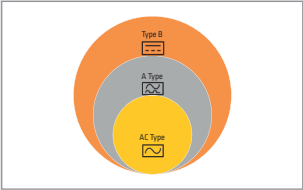


MAXIMUM PROTECTION IN MINIMUM SPACE



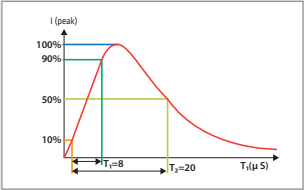
In the same application, the use of compact RCBO's guarantees a saving of the number of modules used which allows the installation of smaller distribution boards and therefore the cost is cheaper.

A CIRCUIT BREAKER FOR EVERY NEED



The 90 RCD range allows to meet all the needs of protection in electrical circuit with different types of earth fault currents, from sinusoidal alternating shape (AC type) and pulsating (A type), up to smooth DC shape (B type).

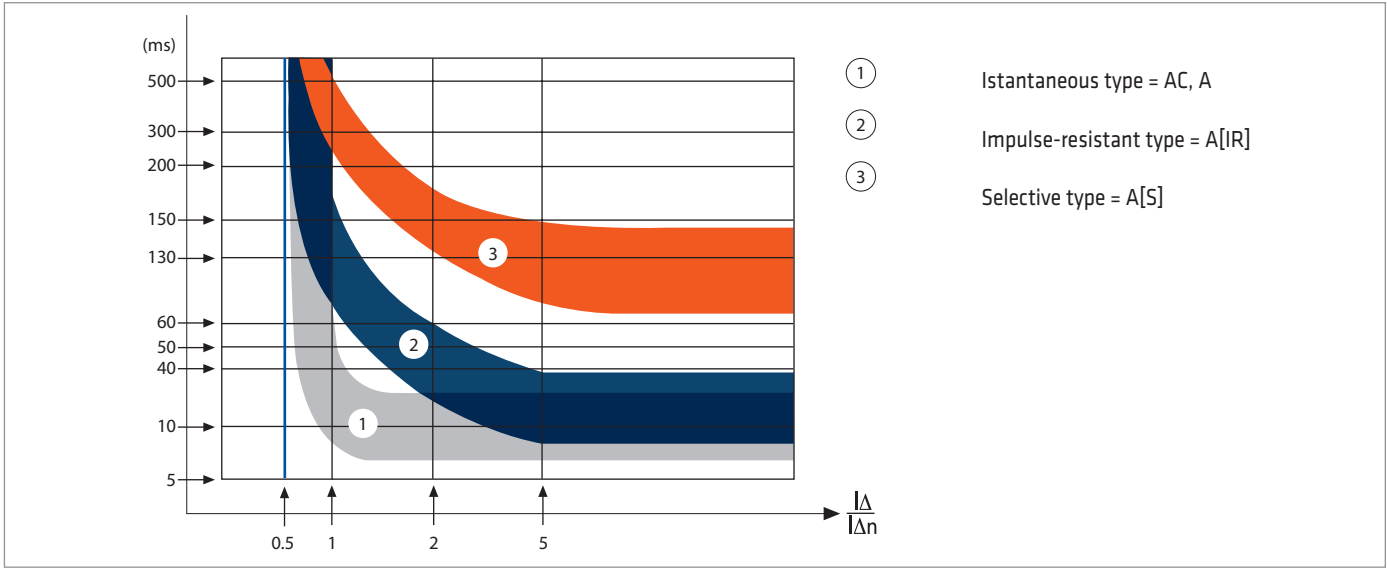
WITHOUT INTERRUPTION



The 90 RCD range also includes Impulse Resistant IR versions with high resistance to untimely tripping due to overvoltage impulses. These versions are particularly suitable for installations where the continuity of service is extremely important.

Residual current circuit breaker tripping characteristics

The following diagram shows the tripping range (relation between leakage current and tripping time) of the different type of RCCBs:



| RCD TYPE | AC | A | B | Level of immunity (8/20μs) |
|--|------------------------------|---|--|----------------------------|
| RESIDUAL FAULT CURRENT TYPE | • sinusoidal alternating | • sinusoidal alternating • pulsating | • sinusoidal alternating • pulsating • smooth DC | |
| 1. INSTANTANEUS First level of residual-current protection against direct and indirect contacts | ✓ | ✓ | | 250A |
| 2. IMPULSE RESISTANT Prevention of untimely tripping caused by: • overvoltages due to indirect lightning strikes (8/20 μs impulse current waveform up to 3000A) • overvoltages due to manœuvres on electrical network • overvoltages due to earth fault on three-phase system • permanent harmonics due electronic devices (immunity to currents with frequency higher than 50Hz) • starting current (immunity to the ring wave waveform) | | ✓ | ✓ | 3000A |
| 3. SELECTIVE Second level of residual-current protection for total or chronometric selectivity with downstream RCDs | | ✓ | ✓ | 3000A 5000A |

Modular accessories

90 AM

MODULAR ACCESSORIES





90 PV

PRODUCTS FOR PHOTOVOLTAIC SYSTEMS



90 AM

Modulr accessories

The 90 AM range, in addition to auxiliaries common for the all circuit breakers, comprises many modular accessories for the protection, command, programming, measurement and signalling in electrical systems.



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AUXILIARIES AND ACCESSORIES FOR MODULAR CIRCUIT BREAKERS

ELECTRICAL AUXILIARIES FOR CIRCUIT BREAKERS MTC / MT / MTHP / MDC



GW 96 001

AUXILIARY CONTACT OF OPEN/CLOSED POSITION

| Code | Contact rating in AC | Contact rating in DC | Type of contacts | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------|---|------------------|-------------------------|-------------|
| GW 96 001 | 6 A (230 V) 3 A (400 V) | 6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V) | 1 Changeover | 0.5 | 1/16 |

APPLICATIONS: signals the position of circuit breaker contacts, when manually open or tripped.
NOTE: up to max. 2 auxiliary contacts can be fitted to each circuit breaker.



GW 96 006

AUXILIARY CONTACT OF FAULT INDICATOR SWITCH

| Code | Contact rating in AC | Contact rating in DC | Type of contacts | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------|---|------------------|-------------------------|-------------|
| GW 96 006 | 6 A (230 V) 3 A (400 V) | 6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V) | 1 Changeover | 0.5 | 1/16 |

APPLICATIONS: signals the automatic trip of the circuit breaker caused by overloading, short-circuiting or earth leakage.
In the event of manual manoeuvring, it does not indicate the change of position of the contacts.
NOTE: up to max. 2 auxiliary contacts can be fitted to each circuit breaker.



GW 96 009

ADJUSTABLE AUXILIARY CONTACT OF FAULT INDICATOR SWITCH OR OPEN/CLOSED POSITION

| Code | Contact rating in AC | Contact rating in DC | Type of contacts | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------|---|------------------|-------------------------|-------------|
| GW 96 009 | 6 A (230 V) 3 A (400 V) | 6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V) | 1 Changeover | 0.5 | 1/16 |

APPLICATIONS: using the specific button key, 2 separate functions can be obtained: signalling of automatic trip of the circuit breaker (auxiliary contact of fault indicator switch) or signalling of the circuit breaker contact position (auxiliary contact of position).
NOTE: up to max. 2 auxiliary contacts can be fitted to each circuit breaker.



GW 96 012

SHUNT TRIP RELEASES

| Code | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|-----------------------|-------------------------|-------------|
| GW 96 011 | 12-48 ac/dc | 1 | 1/8 |
| GW 96 012 | 110-125 dc 110-415 ac | 1 | 1/8 |

APPLICATIONS: used for the remote trip of the coupled circuit breaker.

CHARACTERISTICS: minimum operating voltage: 0.7 Vn min. Maximum operating voltage: 1.1 Vn max.

NOTE: up to max. one release (shunt trip or under voltage) can be fitted to each circuit breaker with an auxiliary contact.



GW 96 016

UNDER VOLTAGE RELEASES (DELAYED)

| Code | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|-------------------------|-------------|
| GW 96 016 | 230 ac | 1 | 1/8 |
| GW 96 017 | 24 ac/dc | 1 | 1/8 |
| GW 96 018 | 48 ac/dc | 1 | 1/8 |

APPLICATIONS: constantly controls the effective value of the voltage, and trips the coupled circuit breaker when the voltage falls below its minimum value.

The 300 ms delay allows any tiny blackouts to be avoided, preventing the untimely tripping of circuit breaker.

NOTE: up to max. one release (shunt trip or under voltage) can be fitted to each circuit breaker with an auxiliary contact.

ACCESSORIES FOR CIRCUIT BREAKERS MTC / MT / MTHP / MDC



GW 96 022

SEALABLE SCREW CAPS

| Code | Suitable for | Nr. pieces per module | Pack Carton |
|-----------|--------------|-----------------------|-------------|
| GW 96 022 | MTC/MT/MDC | 2 | 10/100 |
| GW 96 026 | MTHP/BDHP | 1 | 10/100 |

APPLICATIONS: allows for sealing of terminal screws, preventing access to cable connections.



GW 96 042

POLE SEPARATOR

| Code | Suitable for | Pack Carton |
|-----------|--------------|-------------|
| GW 96 042 | MT/MDC | 10/100 |

ELECTRICAL AUXILIARIES FOR RCCBS IDP



GW D6 002

AUXILIARY CONTACTS FOR OPEN/CLOSED POSITION

| Code | Suitable for | Contact rating in AC | Contact rating in DC | Type of contacts | No. of modules EN 50022 | Pack Carton |
|-----------|--------------------|---------------------------|---|------------------|-------------------------|-------------|
| GW D6 002 | IDP 25-100A 2P-4P | 6 A (230 V) 3 A (400 V) | 6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V) | 1 Changeover | 0.5 | 1/16 |
| GW 96 003 | IDP 4P - 3 modules | 6 A (230 V) 2 A (400 V) | 4 A (24 V) 1 A (110 V) | 1 NO - 1 NC | 0.5 | 1/12 |
| GW 96 005 | IDP 125 A | 5 A (230 V) 0.5 A (400 V) | | 1 NO - 1 NC | 0.5 | 1 |
| GW 96 007 | IDP B type | 5 A (230 V) | 0.5 A (220 V) | 1 NO - 1 NC | 0.5 | 1 |

APPLICATIONS: signals the position of circuit breaker contacts, when manually open or tripped.



GW D6 007

FAULT INDICATOR SWITCH

| Code | Suitable for | Contact rating in AC | Contact rating in DC | Type of contacts | No. of modules EN 50022 | Pack Carton |
|-----------|--------------------|-------------------------|---|------------------|-------------------------|-------------|
| GW D6 007 | IDP 25-100A 2P-4P | 6 A (230 V) 3 A (400 V) | 6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V) | 1 Changeover | 0.5 | 1/16 |
| GW 96 004 | IDP 4P - 3 modules | 6 A (230 V) 2 A (400 V) | 4 A (24 V) 1 A (110 V) | 1 NO - 1 NC | 0.5 | 1/12 |

APPLICATIONS: indicates the automatic trip of the circuit breaker due to an earth leakage. In the event of manual manoeuvring, it does not indicate the change of position of the contacts.

NOTE: cannot be used with type B RCCBs.



GW D6 010

ADJUSTABLE AUXILIARY CONTACT OR FAULT INDICATOR SWITCH

| Code | Suitable for | Contact rating in AC | Contact rating in DC | Type of contacts | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|-------------------------|---|------------------|-------------------------|-------------|
| GW D6 010 | IDP 25-100A 2P-4P | 6 A (230 V) 3 A (400 V) | 6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V) | 1 Changeover | 0.5 | 1/16 |

APPLICATIONS: using the specific button key, 2 separate functions can be obtained: signalling of automatic trip of the circuit breaker (fault indicator switch) or indication of the circuit breaker contact position (auxiliary contact).

NOTE: cannot be used with 4P RCCBs in 3 modules and type B RCCBs.



GW D6 013

SHUNT TRIP RELEASES

| Code | Suitable for | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|--------------------|-----------------------|-------------------------|-------------|
| GW D6 013 | IDP 25-100A 2P-4P | 12-48 ac/dc | 1 | 1/8 |
| GW D6 015 | IDP 25-100A 2P-4P | 110-125 dc 110-415 ac | 1 | 1/8 |
| GW 96 015 | IDP 4P - 3 modules | 230 AC | 0.5 | 1/12 |

APPLICATIONS: used for the remote trip of the coupled circuit breaker.

CHARACTERISTICS: minimum operating voltage: 0.7 Vn min. maximum operating voltage: 1.1 Vn max.

NOTE: cannot be used with type B RCCBs.

ACCESSORIES FOR RCCB'S - IDP



GW D6 026

COUPLE OF SEALABLE SCREW CAPS

| Code | Suitable for | Pack Carton |
|------------------|--------------------|-------------|
| GW D6 026 | IDP 25-100A 2P | 1/50 |
| GW D6 027 | IDP 25-100A 4P | 1/10 |
| GW 96 038 | IDP 4P - 3 modules | 1/10 |

NOTE: cannot be used with type B RCCBs.

ACCESSORIES FOR MODULAR CIRCUIT BREAKERS



GW 96 041

PADLOCKING LEVER BLOCK

| Code | Suitable for | Pack Carton |
|------------------|-----------------|-------------|
| GW 96 041 | MTC/MT/MTHP/MDC | 10/100 |

APPLICATIONS: to lock the control lever in "ON" or "OFF" positions. For padlocks max Ø 8mm.



GW D6 766

SPACER INSERT

| Code | No. of modules EN 50022 | Pack Carton |
|------------------|----------------------------|-------------|
| GW D6 766 | 0.5 | 12 |

CHARACTERISTICS: it reduces heating when modular devices are installed side-by-side and it allows crossing of wiring cables.

APPLICATIONS: it's suggested the use of spacer insert to separate the elettromechanical devices (e.g. circuit breakers, contactors, latching relays etc...) from electronic devices (e.g. time switches etc...) for optimum operation.

BUSBARS

MONOBLOC BUSBARS



GW 96 507 F

MONOBLOC BUSBARS 2P

| Code | Type of main | Type of outgoing | Rated current | Pack Carton |
|--------------------|---------------|------------------|---------------|-------------|
| Length: 13 modules | | | | |
| GW 96 507 F | IDP/MDC/MT 2P | 11 MTC 1P+N/2P | 63 A | 1/10 |

ACCESSORY SUPPLIED: closing plug (to be used only if the busbar is cut); plumbable screw caps with an adhesive indicating voltage presence.
APPLICATIONS: busbars indicated for domestic enclosures.

BUSBARS FOR CIRCUIT BREAKERS MTC



GW 96 500

PIN BUSBARS

| Code | Type | Colour | Rated current | Pack Carton |
|------------------------------|------|--------|---------------|-------------|
| Length: 13 modules | | | | |
| GW 96 500 | 1P | Grey | 80 A | 1/25 |
| GW 96 501 | 1P | Blue | 80 A | 1/25 |
| Length: 1 meter (56 modules) | | | | |
| GW 96 988 | 1P | White | 80 A | 50 |

NOTE: not compatible with GW96963 end caps.

BUSBARS FOR CIRCUIT BREAKERS MT / MDC / IDP



GW 96 984

PIN BUSBARS

| Code | Type | Rated current | Pack Carton |
|------------------------------|------|---------------|-------------|
| Length: 12 modules | | | |
| GW 96 984 | 1P | 63 A | 50 |
| GW 96 985 | 2P | 63 A | 25 |
| GW 96 986 | 3P | 63 A | 25 |
| GW 96 987 | 4P | 80 A | 20 |
| Length: 1 meter (56 modules) | | | |
| GW 96 988 | 1P | 80 A | 50 |
| GW 96 989 | 2P | 63 A | 20 |
| GW 96 990 | 3P | 63 A | 20 |
| GW 96 991 | 4P | 80 A | 15 |

NOTES: 12 module versions complete with end caps.
The 1P versions are not compatible with GW96963 end caps.
Busbars are suitable also for modular switch-disconnectors with red lever.



GW 96 992

FORK BUSBARS

| Code | Type | Rated current | Pack Carton |
|------------------------------|------|---------------|-------------|
| Length: 12 modules | | | |
| GW 96 992 | 1P | 63 A | 50 |
| GW 96 993 | 2P | 63 A | 25 |
| GW 96 994 | 3P | 63 A | 25 |
| GW 96 995 | 4P | 80 A | 20 |
| Length: 1 meter (56 modules) | | | |
| GW 96 996 | 1P | 63 A | 50 |
| GW 96 997 | 2P | 63 A | 20 |
| GW 96 998 | 3P | 63 A | 20 |
| GW 96 999 | 4P | 80 A | 15 |

NOTES: 12 module versions complete with end caps.
Busbars are suitable also for modular switch-disconnectors with red lever.

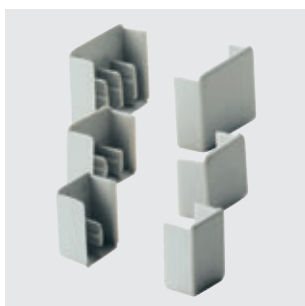
WIRING COMPONENTS



GW 96 962

CONNECTION TERMINALS FOR PIN BUSBARS

| Code | Suitable for | Type | Length (mm) | Conductors section (mm ²) | Pack Carton |
|-----------|----------------------------------|-------|-------------|---------------------------------------|-------------|
| GW 96 503 | 1P busbar for MTC | | | 6-25 | 1/50 |
| GW 96 961 | 1P, 2P, 3P busbar for MT/MDC/IDP | Short | 14 | 25 | 50 |
| GW 96 962 | 4P busbar for MT/MDC/IDP | Long | 27 | 25 | 50 |



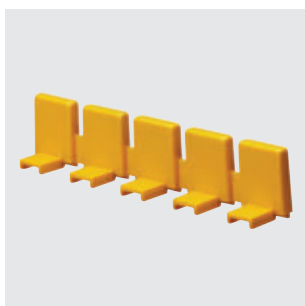
GW 96 963

CLOSING CAPS FOR BUSBARS

| Code | Type | Pack Carton |
|-----------|------|-------------|
| GW 96 963 | 1P | 10 |
| GW 96 964 | 2P | 10 |
| GW 96 965 | 3P | 10 |
| GW 96 966 | 4P | 10 |

APPLICATIONS: to isolate the ends of the connection busbars.

NOTE: code GW96963 is not compatible with push rod 1P busbars.



GW 96 967

TEETH-COVER ROW FOR BUSBARS

| Code | No. teeth-cover | Pack Carton |
|-----------|-----------------|-------------|
| GW 96 967 | 5 | 10 |

APPLICATIONS: to insulate the unused busbar teeth.

PROTECTION

DISCONNECTABLE FUSE-HOLDERS



GW 96 312

DISCONNECTABLE FUSE-HOLDERS



| Code | Rated current | Fuse dimension (mm) | No. of modules EN 50022 | Rated voltage | Pack Carton |
|---------------------------|---------------|---------------------|-------------------------|---------------|-------------|
| No. of poles: 1P | | | | | |
| GW 96 206 | 20 A | 8.5x31.5 | 1 | 400 V ac | 12 |
| GW 96 226 | 20 A | 10.3x38 | 1 | 1000 V dc | 12 |
| GW 96 205 | 32 A | 10.3x38 | 1 | 690 V ac | 12 |
| GW 96 207 | 50 A | 14x51 | 1.5 | 690 V ac | 12 |
| No. of poles: 1P+N | | | | | |
| GW 96 216 | 20 A | 8.5x31.5 | 2 | 400 V ac | 6 |
| GW 96 220 | 32 A | 10.3x38 | 1 | 690 V ac | 12 |
| GW 96 215 | 32 A | 10.3x38 | 2 | 690 V ac | 6 |
| GW 96 217 | 50 A | 14x51 | 3 | 690 V ac | 6 |
| GW 96 218 | 100 A | 22x58 | 4 | 690 V ac | 2 |
| No. of poles: 2P | | | | | |
| GW 96 301 | 20 A | 8.5x31.5 | 2 | 400 V ac | 6 |
| GW 96 227 | 20 A | 10.3x38 | 2 | 1000 V dc | 6 |
| GW 96 302 | 32 A | 10.3x38 | 2 | 690 V ac | 6 |
| GW 96 303 | 50 A | 14x51 | 3 | 690 V ac | 6 |
| No. of poles: 3P | | | | | |
| GW 96 306 | 20 A | 8.5x31.5 | 3 | 400 V ac | 4 |
| GW 96 307 | 32 A | 10.3x38 | 3 | 690 V ac | 4 |
| GW 96 308 | 50 A | 14x51 | 4.5 | 690 V ac | 4 |
| No. of poles: 3P+N | | | | | |
| GW 96 311 | 20 A | 8.5x31.5 | 4 | 400 V ac | 3 |
| GW 96 312 | 32 A | 10.3x38 | 4 | 690 V ac | 3 |
| GW 96 313 | 50 A | 14x51 | 6 | 690 V ac | 3 |
| GW 96 314 | 100 A | 22x58 | 8 | 690 V ac | 1 |

APPLICATIONS: protection against low voltage overcurrents in industrial and advanced tertiary application in case of high short-circuit currents.

NOTES: the products GW96226 and GW96227 are suitable for the protection and isolation of the photovoltaic strings too (Utilization category DC20B)

FUSES



GW 72 105

CYLINDRICAL FUSES - TYPE GG

| Code | Rated current | Rated voltage AC | Breaking capacity AC | Pack Carton |
|--------------------------------------|---------------|------------------|----------------------|-------------|
| Dimensions (mm): Ø 8.5 x 31.5 | | | | |
| GW 72 111 | 2 A | 400 V | 50 kA | 10/100 |
| GW 72 112 | 4 A | 400 V | 50 kA | 10/100 |
| GW 72 113 | 6 A | 400 V | 50 kA | 10/100 |
| GW 72 114 | 10 A | 400 V | 50 kA | 10/100 |
| GW 72 115 | 16 A | 400 V | 50 kA | 10/100 |
| GW 72 116 | 20 A | 400 V | 50 kA | 10/100 |
| GW 72 117 | 25 A | 400 V | 50 kA | 10/100 |
| Dimensions (mm): Ø 10.3 x 38 | | | | |
| GW 72 104 | 2 A | 500 V | 120 kA | 10/100 |
| GW 72 105 | 6 A | 500 V | 120 kA | 10/100 |
| GW 72 107 | 10 A | 500 V | 120 kA | 10/100 |
| GW 72 101 | 16 A | 500 V | 120 kA | 10/100 |
| GW 72 108 | 20 A | 500 V | 120 kA | 10/100 |
| GW 72 109 | 25 A | 500 V | 120 kA | 10/100 |
| GW 72 110 | 32 A | 400 V | 120 kA | 10/100 |
| Dimensions (mm): Ø 14 x 51 | | | | |
| GW 72 121 | 25 A | 690 V | 80 kA | 10/100 |
| GW 72 122 | 32 A | 500 V | 80 kA | 10/100 |
| GW 72 123 | 40 A | 500 V | 80 kA | 10/100 |
| GW 72 124 | 50 A | 400 V | 80 kA | 10/100 |
| Dimensions (mm): Ø 22 x 58 | | | | |
| GW 72 103 | 63 A | 690 V | 80 kA | 10/30 |

NOTE: fast fuse type.



GW 72 131

CYLINDRICAL FUSES - TYPE GPV

| Code | Rated current | Rated voltage DC | Breaking capacity DC | Pack Carton |
|-------------------------------------|---------------|------------------|----------------------|-------------|
| Dimensions (mm): Ø 10.3 x 38 | | | | |
| GW 72 131 | 6 A | 1000 V | 30 kA | 10 |
| GW 72 132 | 8 A | 1000 V | 30 kA | 10 |
| GW 72 133 | 10 A | 1000 V | 30 kA | 10 |
| GW 72 134 | 12 A | 1000 V | 30 kA | 10 |
| GW 72 135 | 16 A | 1000 V | 30 kA | 10 |
| GW 72 136 | 20 A | 1000 V | 30 kA | 10 |

APPLICATIONS: photovoltaic systems.

MOTOR PROTECTION SWITCHES



GW 96 758

MOTOR PROTECTION SWITCHES

| Code | Operating current | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-------------------------|-------------------|-------------------|-------------------------|-------------|
| No. of poles: 3P | | | | |
| GW 96 751 | 0.1-0.16 A | 230/400 ac | 3 | 1/4 |
| GW 96 752 | 0.16-0.25 A | 230/400 ac | 3 | 1/4 |
| GW 96 753 | 0.25-0.4 A | 230/400 ac | 3 | 1/4 |
| GW 96 754 | 0.4-0.63 A | 230/400 ac | 3 | 1/4 |
| GW 96 755 | 0.63-1 A | 230/400 ac | 3 | 1/4 |
| GW 96 756 | 1-1.6 A | 230/400 ac | 3 | 1/4 |
| GW 96 757 | 1.6-2.5 A | 230/400 ac | 3 | 1/4 |
| GW 96 758 | 2.5-4 A | 230/400 ac | 3 | 1/4 |
| GW 96 759 | 4-6.3 A | 230/400 ac | 3 | 1/4 |
| GW 96 760 | 6.3-10 A | 230/400 ac | 3 | 1/4 |
| GW 96 761 | 10-16 A | 230/400 ac | 3 | 1/4 |
| GW 96 762 | 16-25 A | 230/400 ac | 3 | 1/4 |
| GW 96 763 | 25-40 A | 230/400 ac | 3 | 1/4 |

APPLICATIONS: protection of electric motors both in single-phase and 3-phase distribution. Using an adjustment screw, it is possible to set the thermal tripping threshold within an adjustable value range with a ratio of 1:1.6.

ACCESSORIES FOR MOTOR PROTECTION SWITCHES



GW 96 765

AUXILIARY CONTACTS FOR MOTOR PROTECTION SWITCHES

| Code | Contacts Description | No. of contacts | Type of contacts | No. of modules EN 50022 | Pack Carton |
|-----------|--------------------------|-----------------|------------------|-------------------------|-------------|
| GW 96 764 | Position | 2 | 1 NO + 1 NC | 0.5 | 1/12 |
| GW 96 765 | Fault/position indicator | 2 | CHANGE-OVER | 0.5 | 1/12 |



GW 96 767

SHUNT TRIP RELEASE FOR MOTOR PROTECTION SWITCHES

| Code | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|-------------------------|-------------|
| GW 96 767 | 110-415 ac | 1 | 1/6 |



GW 96 769

UNDER VOLTAGE RELEASE FOR MOTOR PROTECTION SWITCHES

| Code | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|----------------------------|----------------|
| GW 96 769 | 230 ac | 1 | 1/6 |
| GW 96 770 | 400 ac | 1 | 1/6 |



GW 96 771

SURFACE-MOUNTING BOX IP54 FOR MOTOR PROTECTION SWITCHES

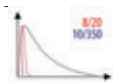
| Code | Description | Pack Carton |
|-----------|---------------------------|----------------|
| GW 96 771 | Box with rotary manoeuvre | 1 |

SURGE PROTECTIVE DEVICES LST



GW D6 405

SURGE PROTECTIVE DEVICES TYPE 1+2



| Code | Impulse current | Maximum discharge current | Rated voltage AC | No. of modules EN 50022 | Aux end-of-life contact | Pack Carton |
|---------------------------|-----------------|---------------------------|------------------|-------------------------|-------------------------|-------------|
| No. of poles: 1P+N | | | | | | |
| GW D6 401 | 12.5 kA | 65 kA | 230 V | 2 | No | 1 |
| GW D6 404 | 25 kA | 100 kA | 230 V | 4 | Yes | 1 |
| No. of poles: 3P+N | | | | | | |
| GW D6 402 | 12.5 kA | 65 kA | 400 V | 4 | No | 1 |
| GW D6 405 | 25 kA | 100 kA | 400 V | 8 | Yes | 1 |

CHARACTERISTICS: SPDs are equipped with extractable cartridges with optic end-of-life signal.



GW D6 420

SURGE PROTECTIVE DEVICES TYPE 2



| Code | Maximum discharge current | Rated voltage AC | No. of modules EN 50022 | Aux end-of-life contact | Pack Carton |
|---------------------------|---------------------------|------------------|-------------------------|-------------------------|-------------|
| No. of poles: 1P | | | | | |
| GW D6 411 | 40 kA | 230 V | 1 | No | 1 |
| GW D6 412 | 40 kA | 230 V | 1 | Yes | 1 |
| GW D6 413 | 40 kA | 400 V | 1 | No | 1 |
| No. of poles: 1P+N | | | | | |
| GW D6 407 | 20 kA | 230 V | 2 | No | 1 |
| GW D6 417 | 40 kA | 230 V | 2 | No | 1 |
| GW D6 418 | 40 kA | 230 V | 2 | Yes | 1 |
| No. of poles: 3P+N | | | | | |
| GW D6 409 | 20 kA | 400 V | 4 | No | 1 |
| GW D6 419 | 40 kA | 400 V | 4 | No | 1 |
| GW D6 420 | 40 kA | 400 V | 4 | Yes | 1 |

CHARACTERISTICS: SPDs are equipped with extractable cartridges with optic end-of-life signal.



GW D6 426

SURGE PROTECTIVE DEVICES TYPE 2 FOR PHOTOVOLTAIC APPLICATIONS



| Code | Maximum discharge current | Rated voltage DC | No. of modules EN 50022 | Aux end-of-life contact | Pack Carton |
|-----------|---------------------------|------------------|-------------------------|-------------------------|-------------|
| GW D6 426 | 40 kA | 600 V | 3 | No | 1 |
| GW D6 428 | 40 kA | 1000 V | 3 | No | 1 |

CHARACTERISTICS: SPDs are equipped with extractable cartridges with optic end-of-life signal.



GW D6 430

SURGE PROTECTIVE DEVICES FOR TELECOM AND DATALINE



| Code | Maximum discharge current | Rated voltage AC | No. of modules EN 50022 | Aux end-of-life contact | Pack Carton |
|-----------|---------------------------|------------------|-------------------------|-------------------------|-------------|
| GW D6 430 | 10 kA | 50 V | 1 | No | 1 |



GW D6 433

EXTRACTABLE SPARE CARTRIDGES FOR LST TYPE 1+2

| Code | Type | Impulse current | Pack Carton |
|-----------------------------------|---------|-----------------|-------------|
| Suitable for: GWD6401 and GWD6402 | | | |
| GW D6 451 | Phase | 12.5 kA | 1 |
| GW D6 452 | Neutral | 25 kA | 1 |
| GW D6 453 | Neutral | 50 kA | 1 |
| Suitable for: GWD6404 and GWD6405 | | | |
| GW D6 433 | Phase | 25 kA | 1 |
| GW D6 434 | Neutral | 50 kA | 1 |
| GW D6 435 | Neutral | 100 kA | 1 |

CHARACTERISTICS: a fissure on the base of the surge protection devices will help you to insert the cartridges, and prevents the insertion of the phase cartridge in place of the neutral one, or viceversa.



GW D6 436

EXTRACTABLE SPARE CARTRIDGES FOR LST TYPE 2

| Code | Type | Maximum discharge current | Rated voltage | Pack Carton |
|---------------------------------------|---------|---------------------------|---------------|-------------|
| Suitable for: from GWD6407 to GWD6420 | | | | |
| GW D6 436 | Phase | 20 kA | 230 V ac | 1 |
| GW D6 438 | Neutral | 20 kA | | 1 |
| GW D6 441 | Phase | 40 kA | 230 V ac | 1 |
| GW D6 442 | Phase | 40 kA | 400 V ac | 1 |
| GW D6 443 | Neutral | 40 kA | | 1 |

CHARACTERISTICS: a fissure on the base of the surge protection devices will help you to insert the cartridges, and prevents the insertion of the phase cartridge in place of the neutral one, or viceversa.



GW D6 446

EXTRACTABLE SPARE CARTRIDGES FOR LST TYPE 2 FOR PHOTOVOLTAIC APPLICATIONS

| Code | Maximum discharge current | Rated voltage | Pack Carton |
|-----------------------------------|---------------------------|---------------|-------------|
| Suitable for: GWD6426 and GWD6428 | | | |
| GW D6 446 | 40 kA | 600 V dc | 1 |
| GW D6 448 | 40 kA | 1000 V dc | 1 |

PERMANENT AND TRANSIENT SURGE PROTECTIVE DEVICES POP



GW D6 467

POP 2 POLES (COMBINED SPD+POP WITH MCB INCLUDED)

| Code | MCB rated current | SPD Maximum discharge current | Rated voltage AC | No. of modules EN 50022 | Pack Carton |
|------------------|-------------------|-------------------------------|------------------|-------------------------|-------------|
| MCB type: MT 60 | | | | | |
| GW D6 464 | 25 A | 15 kA (Type 2) | 230 V | 5 | 1/4 |
| GW D6 465 | 32 A | 15 kA (Type 2) | 230 V | 5 | 1/4 |
| GW D6 466 | 40 A | 15 kA (Type 2) | 230 V | 5 | 1/4 |
| GW D6 467 | 50 A | 15 kA (Type 2) | 230 V | 5 | 1/4 |
| GW D6 468 | 63 A | 15 kA (Type 2) | 230 V | 5 | 1/4 |
| MCB type: MTC 60 | | | | | |
| GW D6 474 | 25 A | 15 kA (Type 2) | 230 V | 4 | 1/4 |
| GW D6 475 | 32 A | 15 kA (Type 2) | 230 V | 4 | 1/4 |

CHARACTERISTICS: every kit is made up of:
- 1 x shunt trip release (GW96012)
- 1 x miniature circuit breaker (MT or MTC) 1P+N 6000 A curve C
- 1 x combined SPD+POP device.

APPLICATIONS: protection for single-phase electrical supply network overvoltage.
It protects against transient overvoltage (e.g. lightning) as well as voltage increases which last for an indefinite period (e.g permanent overvoltages due to the distribution network or to the loss of neutral).

RESIDUAL CURRENT RELAY WITH SEPARATE TOROID



GW 96 331

RESIDUAL CURRENT RELAY WITH SEPARATE TOROID

| Code | Rated voltage (V) | Type | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|------|-------------------------|-------------|
| GW 96 331 | 230 ac | A | 3 | 1/4 |

CHARACTERISTICS: the tripping (I_{dn}) and delay (dt) thresholds are adjustable:

I_{dn} (A): 0.03 - 0.05 - 0.1 - 0.25 - 0.3 - 0.35 - 0.5 - 1 - 1.5 - 2 - 3.

dt (s): 0 - 0.25 - 0.5 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 10.

NOTE: mounting on DIN rail EN 50022. For the operation of the residual current protection, it is necessary to use: the residual current relay, a suitable toroid, and a release for the associated circuit breaker.



GW 96 332

SEPARATE TOROID FOR RESIDUAL CURRENT RELAY GW96331

| Code | Description | Internal diameter (mm) | Rated current | Pack Carton |
|-----------|-------------------|------------------------|---------------|-------------|
| GW 96 332 | Solid-core toroid | 35 | 125 A | 1 |
| GW 96 333 | Solid-core toroid | 80 | 400 A | 1 |
| GW 96 334 | Solid-core toroid | 110 | 630 A | 1 |
| GW 96 335 | Solid-core toroid | 210 | 1600 A | 1 |
| GW 96 336 | Split-core toroid | 110 | 630 A | 1 |
| GW 96 337 | Split-core toroid | 210 | 1600 A | 1 |

COMMAND

SWITCH DISCONNECTORS (EN 60947-3)



GW 96 134

AC SWITCH DISCONNECTORS



| Code | Rated current | No. of modules EN 50022 | Rated voltage AC | Pack Carton |
|-------------------------|---------------|-------------------------|------------------|-------------|
| No. of poles: 1P | | | | |
| GW 96 104 | 32 A | 1 | 240 V | 6/12 |
| GW 96 105 | 40 A | 1 | 240 V | 6/12 |
| GW 96 146 | 63 A | 1 | 240 V | 6/24 |
| GW 96 147 | 80 A | 1 | 240 V | 6/24 |
| GW 96 148 | 100 A | 1 | 240 V | 6/24 |
| GW 96 149 | 125 A | 1 | 240 V | 6/24 |
| No. of poles: 2P | | | | |
| GW 96 114 | 32 A | 2 | 415 V | 3/12 |
| GW 96 115 | 40 A | 2 | 415 V | 3/12 |
| GW 96 156 | 63 A | 2 | 415 V | 3/12 |
| GW 96 157 | 80 A | 2 | 415 V | 3/12 |
| GW 96 158 | 100 A | 2 | 415 V | 3/12 |
| GW 96 159 | 125 A | 2 | 415 V | 3/12 |
| No. of poles: 3P | | | | |
| GW 96 124 | 32 A | 3 | 415 V | 2/8 |
| GW 96 125 | 40 A | 3 | 415 V | 2/8 |
| GW 96 166 | 63 A | 3 | 415 V | 2/8 |
| GW 96 167 | 80 A | 3 | 415 V | 2/8 |
| GW 96 168 | 100 A | 3 | 415 V | 2/8 |
| GW 96 169 | 125 A | 3 | 415 V | 2/8 |
| No. of poles: 4P | | | | |
| GW 96 134 | 32 A | 4 | 415 V | 1/3 |
| GW 96 135 | 40 A | 4 | 415 V | 1/3 |
| GW 96 176 | 63 A | 4 | 415 V | 1/2 |
| GW 96 177 | 80 A | 4 | 415 V | 1/2 |
| GW 96 178 | 100 A | 4 | 415 V | 1/2 |
| GW 96 179 | 125 A | 4 | 415 V | 1/2 |

NOTES: they can be combined ONLY with an auxiliary position contact (GW96001 or GW96009, configured for open/closed position).

They can be padlocked with the accessory GW96041, to lock the operating lever in either the "ON" or "OFF" position. For padlock of max Ø 8 mm.



GW 96 187

DC ROTARY SWITCH DISCONNECTORS

| Code | No. of poles | Rated current | Rated voltage DC | No. of modules EN 50022 | Pack Carton |
|-----------|--------------|---------------|------------------|-------------------------|-------------|
| GW 96 186 | 2P | 25 A | 600 V | 3.5 | 1 |
| GW 96 187 | 4P | 32 A | 1000 V | 3.5 | 1 |

NOTE: utilisation category DC21B. These switch disconnectors cannot be combined.

ISOLATING SWITCHES (EN 60669-2-4)



GW 96 538

COMPACT ISOLATING SWITCHES



| Code | Rated current | No. of modules EN 50022 | Rated voltage | Pack Carton |
|-------------------------|---------------|-------------------------|---------------|-------------|
| No. of poles: 1P | | | | |
| GW 96 531 | 16 A | 1 | 250 V | 3/12 |
| GW 96 532 | 32 A | 1 | 250 V | 3/12 |
| No. of poles: 2P | | | | |
| GW 96 533 | 16 A | 1 | 250-415 V | 3/12 |
| GW 96 534 | 32 A | 1 | 250-415 V | 3/12 |
| No. of poles: 3P | | | | |
| GW 96 535 | 16 A | 1 | 250-415 V | 1/12 |
| GW 96 536 | 32 A | 1 | 250-415 V | 1/12 |
| No. of poles: 4P | | | | |
| GW 96 537 | 16 A | 1 | 250-415 V | 1/12 |
| GW 96 538 | 32 A | 1 | 250-415 V | 1/12 |

NOTES: switch disconnectors cannot be combined.

They can be padlocked with the accessory GW96041, to lock the operating lever in either the "ON" or "OFF" position. For padlocks max Ø 8 mm.

ON-OFF SWITCHES



GW 96 542

ON-OFF SWITCHES WITH INDICATOR LAMP



| Code | Rated current | Characteristics | No. of modules EN 50022 | Rated voltage | Pack Carton |
|-------------------------|---------------|-------------------------|-------------------------|---------------|-------------|
| No. of poles: 1P | | | | | |
| GW 96 539 | 16 A | With red indicator lamp | 1 | 230 V | 3/12 |
| GW 96 540 | 32 A | With red indicator lamp | 1 | 230 V | 1/12 |
| No. of poles: 2P | | | | | |
| GW 96 541 | 16 A | With red indicator lamp | 1 | 230 V | 1/12 |
| GW 96 542 | 32 A | With red indicator lamp | 1 | 230 V | 1/12 |

ACCESSORIES SUPPLIED: indicator light with LED.

NOTE: they can be padlocked with the accessory GW96041, to lock the operating lever in either the "ON" or "OFF" position. For padlocks with max Ø 8 mm.

LEVER SWITCHES



GW 96 554

LEVER SWITCHES



| Code | Rated current | No. of poles | No. of modules EN 50022 | Rated voltage | Pack Carton |
|---------------------------------------|---------------|--------------|-------------------------|---------------|-------------|
| Type: Change-over switch (1-2) | | | | | |
| GW 96 551 | 16 A | 1P | 1 | 250 V | 3/12 |
| GW 96 552 | 16 A | 2P | 1 | 250 V | 1/12 |
| Type: Three-way switch (1-0-2) | | | | | |
| GW 96 553 | 16 A | 1P | 1 | 250 V | 3/12 |
| GW 96 554 | 16 A | 2P | 1 | 250 V | 1/12 |
| Type: Two-ways switch (1-2) | | | | | |
| GW 96 555 | 16 A | 2P (1NO+1NC) | 1 | 250 V | 3/12 |
| GW 96 556 | 32 A | 2P (1NO+1NC) | 1 | 250 V | 1/12 |

NOTE: they can be padlocked with the accessory GW96041, to lock the operating lever in either the "ON" or "OFF" position. For padlocks with max Ø 8 mm.

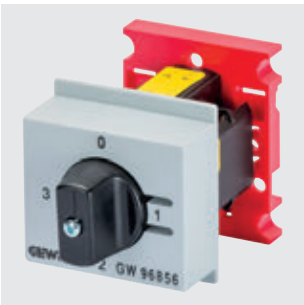
ROTARY SWITCHES



GW 96 851

VOLTMETER SWITCHES

| Code | Description | Characteristics | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-----------|-------------|-----------------------------------|---------------|---------------|-------------------------|-------------|
| GW 96 851 | 4 positions | Phase - Neutral | 16 A | 690 V | 3 | 1/4 |
| GW 96 852 | 4 positions | Phase - Phase | 16 A | 690 V | 3 | 1/4 |
| GW 96 853 | 7 positions | Phase - Phase and Phase - Neutral | 16 A | 690 V | 3 | 1/4 |



GW 96 856

AMMETER SWITCH

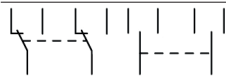
| Code | Description | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-----------|-------------|---------------|---------------|-------------------------|-------------|
| GW 96 856 | 4 positions | 16 A | 690 V | 3 | 1/4 |

NOTES: the GW96856 can also be used as a single-pole command three-way switch with 4 positions.



GW 96 951

LINE SWITCHES



| Code | Description | Characteristics | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|------------------|-------------|------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 2P | | | | | | |
| GW 96 951 | 2 positions | | 16 A | 690 V | 3 | 1/4 |
| GW 96 952 | 3 positions | 0 central | 16 A | 690 V | 3 | 1/4 |
| GW 96 953 | 3 positions | With 0 return position | 16 A | 690 V | 3 | 1/4 |

APPLICATIONS: DIN rail three-way switches usable for motor, pump and fan command.

CONTACTORS CTR



GW D6 703

CONTACTORS



| Code | Contacts | Control coil voltage (V) | No. of modules EN 50022 | Pack Carton |
|---|----------|--------------------------|-------------------------|-------------|
| Rated current (AC-1/AC-7a): 20 A - CTR20 | | | | |
| GW D6 701 | 1NO | 230 ac | 1 | 6/24 |
| GW D6 702 | 2NO | 24 ac | 1 | 6/24 |
| GW D6 703 | 2NO | 230 ac | 1 | 6/24 |
| GW D6 705 | 2NC | 230 ac | 1 | 6/24 |
| GW D6 706 | 1NO+1NC | 24 ac | 1 | 6/24 |
| GW D6 707 | 1NO+1NC | 230 ac | 1 | 6/24 |
| GW D6 708 | 3NO | 230 ac | 2 | 3/12 |
| GW D6 709 | 4NO | 230 ac | 2 | 3/12 |
| Rated current (AC-1/AC-7a): 25 A - CTR25 | | | | |
| GW D6 711 | 2NO | 24 ac/dc | 2 | 3/12 |
| GW D6 712 | 2NO | 230 ac - 220 dc | 2 | 3/12 |
| GW D6 713 | 3NO | 230 ac - 220 dc | 2 | 3/12 |
| GW D6 714 | 4NO | 24 ac/dc | 2 | 3/12 |
| GW D6 715 | 4NO | 230 ac - 220 dc | 2 | 3/12 |
| GW D6 716 | 4NC | 24 ac/dc | 2 | 3/12 |
| GW D6 717 | 4NC | 230 ac - 220 dc | 2 | 3/12 |
| GW D6 718 | 3NO+1NC | 230 ac - 220 dc | 2 | 3/12 |
| Rated current (AC-1/AC-7a): 40 A - CTR40 | | | | |
| GW D6 721 | 2NO | 230 ac - 220 dc | 3 | 2/8 |
| GW D6 722 | 3NO | 230 ac - 220 dc | 3 | 2/8 |
| GW D6 723 | 4NO | 24 ac/dc | 3 | 2/8 |
| GW D6 724 | 4NO | 230 ac - 220 dc | 3 | 2/8 |
| GW D6 725 | 2NO+2NC | 230 ac - 220 dc | 3 | 2/8 |
| Rated current (AC-1/AC-7a): 63 A - CTR63 | | | | |
| GW D6 731 | 2NO | 230 ac - 220 dc | 3 | 2/8 |
| GW D6 732 | 3NO | 230 ac - 220 dc | 3 | 2/8 |
| GW D6 733 | 4NO | 24 ac/dc | 3 | 2/8 |
| GW D6 734 | 4NO | 230 ac - 220 dc | 3 | 2/8 |
| GW D6 735 | 3NO+1NC | 230 ac - 220 dc | 3 | 2/8 |

APPLICATIONS: they are used for automatic control of electrical devices with high number of operations. The switching of contacts happens when the coil is both energized and de-energized. For other applications than AC-1/AC-7a utilization category, please consult the technical pages.

CHARACTERISTICS: they can be combined with auxiliary contacts and sealing terminal covers.

NOTE: it's suggested the use of a spacer insert between adjacent contactors to ensure optimum operation.



GW D6 742

MANUAL CONTROL CONTACTORS

| Code | Contacts | Control coil voltage (V) | No. of modules EN 50022 | Pack Carton |
|--|----------|--------------------------|-------------------------|-------------|
| Rated current (AC-1/AC-7a): 20 A - CTRM20 | | | | |
| GW D6 741 | 2NO | 24 ac | 1 | 6/24 |
| GW D6 742 | 2NO | 230 ac | 1 | 6/24 |
| GW D6 743 | 2NC | 230 ac | 1 | 6/24 |
| GW D6 744 | 1NO+1NC | 230 ac | 1 | 6/24 |
| Rated current (AC-1/AC-7a): 25 A - CTRM25 | | | | |
| GW D6 751 | 2NO | 230 ac - 220 dc | 2 | 3/12 |
| GW D6 752 | 3NO | 230 ac - 220 dc | 2 | 3/12 |
| GW D6 753 | 4NO | 24 ac/dc | 2 | 3/12 |
| GW D6 754 | 4NO | 230 ac - 220 dc | 2 | 3/12 |

APPLICATIONS: they have a three positions built-in toggle handle switch (A - 0 - I) to enable permanent opening or closing manually leaving out normal contactor function

Position A: working as normal contactor

Position 0: working as manual control contactor (contacts locked mechanically)

Position I: working as manual control contactor (contacts are switched without control coil voltage). When coil is energized the toggle handle switch is automatically set to position A maintaining the previous contacts status.

CHARACTERISTICS: they can be combined with auxiliary contacts and sealing terminal covers

NOTE: it's suggested the use of a spacer insert between adjacent contactors to ensure optimum operation.

INSTALLATION RELAYS RLM



GW D6 604

INSTALLATION RELAY 16 A



| Code | Contacts | Control coil voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|--------------|--------------------------|-------------------------|-------------|
| GW D6 601 | 1NO | 8 ac | 1 | 6/24 |
| GW D6 602 | 1NO | 12 ac | 1 | 6/24 |
| GW D6 603 | 1NO | 24 ac | 1 | 6/24 |
| GW D6 604 | 1NO | 230 ac | 1 | 6/24 |
| GW D6 606 | 1 Changeover | 8 ac | 1 | 6/24 |
| GW D6 608 | 1 Changeover | 12 ac/dc | 1 | 6/24 |
| GW D6 610 | 1 Changeover | 24 ac/dc | 1 | 6/24 |
| GW D6 611 | 1 Changeover | 230 ac | 1 | 6/24 |
| GW D6 617 | 1NO+1NC | 12 ac | 1 | 6/24 |
| GW D6 618 | 1NO+1NC | 24 ac | 1 | 6/24 |
| GW D6 619 | 1NO+1NC | 230 ac | 1 | 6/24 |
| GW D6 624 | 2NO | 230 ac | 1 | 6/24 |
| GW D6 626 | 2 Changeover | 8 ac | 2 | 3/12 |
| GW D6 627 | 2 Changeover | 12 ac | 2 | 3/12 |
| GW D6 629 | 2 Changeover | 24 ac/dc | 2 | 3/12 |
| GW D6 630 | 2 Changeover | 230 ac | 2 | 3/12 |
| GW D6 632 | 4NO | 12 ac | 2 | 3/12 |
| GW D6 633 | 4NO | 24 ac | 2 | 3/12 |
| GW D6 634 | 4NO | 230 ac | 2 | 3/12 |

CHARACTERISTICS: relay with single stable state; the contacts are maintained in switched position only while the control coil is supplied. they can be combined with auxiliary contacts (except for GWD6608 e GWD6610) and sealing terminal covers.

APPLICATION: command of low voltage circuits with high number of switchovers (lighting, heating and ventilation systems). they have a three positions built-in toggle handle switch (A - O - I) to enable permanent opening or closing manually independently of the external commands:

Position A: automatic operation as a momentary relay.

Position O: operation as a manually commanded momentary relay (contacts locked mechanically in the rest state).

Position I: operation as a manually commanded momentary relay (contacts switched without the need for a remote control with return to automatic on A as soon as the lever is released).

ACCESSORIES FOR CTR CONTACTORS AND RLM INSTALLATION RELAYS



GW D6 761

AUXILIARY CONTACTS

| Code | Contacts | Contact rating in AC-15 | No. of modules EN 50022 | Pack Carton |
|-----------|----------|-------------------------|-------------------------|-------------|
| GW D6 761 | 2NO | 6 A (230 V) 4 A (400 V) | 0.5 | 1/12 |
| GW D6 762 | 1NO+1NC | 6 A (230 V) 4 A (400 V) | 0.5 | 1/12 |

APPLICATION: used in order to signal the contacts position (open or closed).

NOTE: each device can be associated with 1 auxiliary contact. Auxiliary contacts cannot be coupled with GWD6608 and GWD6610 installation relays.



GW D6 766

SPACER INSERT

| Code | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------|-------------|
| GW D6 766 | 0.5 | 12 |

APPLICATIONS: used in order to have a better heat dissipation when more contactors/relay are installed in adjacent position.

SUGGESTIONS FOR AN OPTIMAL HEAT DISSIPATION:

- Room temperature up to 40°C: 1 spacer every 3 side-by-side devices.
- Room temperature between 40°C and 55°C: 1 spacer every 2 side-by-side devices.



GW D6 764

SEALING TERMINAL COVERS

| Code | Suitable for contactor | No. of pieces | Pack Carton |
|-----------|------------------------|---------------|-------------|
| GW D6 763 | 1 mod. width | 2 | 1/10 |
| GW D6 764 | 2 mod. width | 2 | 1/10 |
| GW D6 765 | 3 mod. width | 2 | 1/10 |

APPLICATIONS: they enable to seal terminal screws, preventing access to cable connections.

LATCHING RELAY RLB



GW D6 644

LATCHING RELAY 16 A



| Code | Contacts | Control coil voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|--------------|--------------------------|-------------------------|-------------|
| GW D6 641 | 1NO | 8 ac | 1 | 6/24 |
| GW D6 642 | 1NO | 12 ac | 1 | 6/24 |
| GW D6 643 | 1NO | 24 ac | 1 | 6/24 |
| GW D6 644 | 1NO | 230 ac | 1 | 6/24 |
| GW D6 646 | 1 Changeover | 8 ac | 1 | 6/24 |
| GW D6 647 | 1 Changeover | 12 ac | 1 | 6/24 |
| GW D6 648 | 1 Changeover | 24 ac | 1 | 6/24 |
| GW D6 649 | 1 Changeover | 24 dc | 1 | 6/24 |
| GW D6 650 | 1 Changeover | 230 ac | 1 | 6/24 |
| GW D6 652 | 1NO+1NC | 12 ac | 1 | 6/24 |
| GW D6 653 | 1NO+1NC | 24 ac | 1 | 6/24 |
| GW D6 654 | 1NO+1NC | 230 ac | 1 | 6/24 |
| GW D6 657 | 2NO | 12 ac | 1 | 6/24 |
| GW D6 658 | 2NO | 24 ac | 1 | 6/24 |
| GW D6 659 | 2NO | 230 ac | 1 | 6/24 |
| GW D6 663 | 2 Changeover | 24 ac | 2 | 3/12 |
| GW D6 664 | 2 Changeover | 230 ac | 2 | 3/12 |
| GW D6 667 | 4NO | 12 ac | 2 | 3/12 |
| GW D6 668 | 4NO | 24 ac | 2 | 3/12 |
| GW D6 669 | 4NO | 230 ac | 2 | 3/12 |

CHARACTERISTICS: relay with two stable states; every impulse to the coil switches over the contacts position that is maintained until the next signal. Auxiliary contacts, central command or group command (except for GW D6 649) can be used up to max 1 accessory for each relay.

APPLICATION: control of lighting circuits in domestic and commercial environments.

It is possible to inhibit the remote command thanks to the ON/OFF frontal selector.

The lever indicates the contacts status and it could be used in order to manual command the relay.

ACCESSORIES FOR LATCHING RELAY RLB



GW D6 676

AUXILIARY CONTACTS

| Code | Contacts | Contact rating in AC-15 | No. of modules EN 50022 | Pack Carton |
|-----------|--------------|-------------------------|-------------------------|-------------|
| GW D6 676 | 1 Changeover | 4A (230V) | 0.5 | 1/20 |
| GW D6 677 | 1NO+1NC | 4A (230V) | 0.5 | 1/20 |
| GW D6 678 | 2NO | 4A (230V) | 0.5 | 1/20 |

APPLICATION: used in order to signal the contacts position (open or closed).

NOTE: it is possible to use 1 auxiliary contact for each contactor. It is not possible to use auxiliary contacts with GWD6649 latching relay.



GW D6 671

CENTRALIZED COMMAND

| Code | Functions | No. of modules EN 50022 | Pack Carton |
|-----------|-----------------|-------------------------|-------------|
| GW D6 671 | Central command | 0.5 | 1/20 |
| GW D6 672 | Group command | 0.5 | 1/20 |

NOTE: It is not possible to use them with GWD6649 latching relay.

APPLICATION:

- GWD6671: used to centralize the command in only one point allowing to simultaneously turning ON and OFF 2 or more relays independently by their position. In order to use this function every relay has to mount this accessory.
- GWD6672: used to realize the simultaneously command of 2 or more groups of centralized relays from one point. In order to obtain this function it is necessary to install this accessory for each group of centralized relay.

EXAMPLE: It is possible to centralize the command of a group of latching relay installed on a building floor (every relay has a GWD6671 coupled). With the GWD6672 it is possible to command from one point all groups of centralized relays installed on the different buildings floors.



GW D6 766

SPACER INSERT

| Code | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------|-------------|
| GW D6 766 | 0.5 | 12 |

APPLICATIONS: used in order to have a better heat dissipation when more contactors/relay are installed in adjacent position.

SUGGESTIONS FOR AN OPTIMAL HEAT DISSIPATION:

- Operating temperature up to 40°C: no limitations.
- Operating temperature between 40°C and 55°C: No limitation for AC coils, 1 spacer every 3 adjacent relays with DC coils:
- Operating temperature between 55°C and 70°C: 1 spacer every 3 adjacent relays with AC coils. It is not possible the adjacent installation of relay with DC coil.

MONITORING RELAYS



GW 96 906

CURRENT MONITORING RELAY - 1 PHASE AC ELECTRICAL SYSTEM

| Code | Rated voltage (V) | Controlled current (A) | Output contacts | Contact capacity (A) | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|------------------------|-----------------|----------------------|-------------------------|-------------|
| GW 96 906 | 230 ac | 10 | 1 Changeover | 5 | 1 | 1/8 |

APPLICATIONS: overcurrent control: the output contact changes status when the measured current exceeds the "MAX" set value.

Undercurrent control: the output contact changes status when the measured current falls below the "MIN" set value.

Window function: the output contact changes status when the measured current is not within the "MIN"-"MAX" set range.

Adjustment of contact switchover delay, from minimum 0.1s to maximum 10s.

For the three operating modes, there is a memory function for exceeding the set threshold.

NOTE: if you need to monitor currents greater than 10A, use a current transformer (CT).

If necessary, connect the output contact with a device (usually a contactor) suitable for the needs of the line to be commanded.



GW 96 907

PHASE MONITORING RELAY - 3 PHASE ELECTRICAL SYSTEM

| Code | Rated voltage (V) | Controlled voltage (V) | Adjustable asymmetry | Output contacts | Contact capacity (A) | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|------------------------|----------------------|-----------------|----------------------|-------------------------|-------------|
| GW 96 907 | 230/400 ac | 230/400 ac | 5% ... 25% | 1 Changeover | 5 | 1 | 1/8 |

APPLICATIONS: phase sequence check: if the check shows that the phases are not in the correct sequence, the output contact will change its status.

Phase and neutral failure: if one of the three phases or the neutral fails, the output contact will change its status.

Asymmetry check: if the measured asymmetry value exceeds the set threshold, the output contact will change its status.

NOTE: if necessary, connect the output contact with a device (usually a contactor) suitable for the needs of the line to be commanded.



GW 96 908

UNDERVOLTAGE MONITORING RELAY - 1 PHASE AC/DC ELECTRICAL SYSTEM

| Code | Rated voltage (V) | Controlled voltage (V) | Output contacts | Contact capacity (A) | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|------------------------|-----------------|----------------------|-------------------------|-------------|
| GW 96 908 | 24 ac/dc - 230 ac | 24 ac/dc - 230 ac | 1 Changeover | 5 | 1 | 1/8 |

APPLICATIONS: undervoltage check: when the measured voltage falls below the set value, the output contact will change its status.

The contact switches back again when the measured voltage exceeds the set value plus the hysteresis.

NOTE: if necessary, connect the output contact with a device (usually a contactor) suitable for the needs of the line to be commanded.



GW 96 909

UNDERVOLTAGE MONITORING RELAY - 3 PHASE AC ELECTRICAL SYSTEM

| Code | Rated voltage (V) | Controlled voltage (V) | Output contacts | Contact capacity (A) | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|------------------------|-----------------|----------------------|-------------------------|-------------|
| GW 96 909 | 230/400 ac | 230/400 ac | 1 Changeover | 5 | 1 | 1/8 |

APPLICATIONS: undervoltage check with variable threshold: when the measured voltage of one of the phases falls below the set value, the output contact will change its status.

The undervoltage threshold can be adjusted from 160 V to 240 V (Phase - Neutral).

NOTE: if necessary, connect the output contact with a device (usually a contactor) suitable for the needs of the line to be commanded.

LOAD MANAGEMENT RELAY P-COMFORT



GW D6 916

LOAD MANAGEMENT RELAY P-COMFORT (WIRE VERSION)

| Code | Rated voltage (V) | Rated current | Type Relay contact | capacity Relay contact | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|---------------|--------------------|------------------------|-------------------------|-------------|
| GW D6 916 | 230 ac | 32 A | 1 Changeover | 16 A AC1 | 2 | 1/6 |

APPLICATION: The P-Comfort relay can be installed in electrical systems up to 6 kW. In the event of overload due to the simultaneous switching of several electric loads, P-Comfort prevents power supply interruption disconnecting the non-preferential loads wired to the relay inside the device. After a time period, P-Comfort automatically power supplies non-preferential loads again, avoiding service interruptions. P-Comfort allows the measurement and visualisation on the display of the active energy values (supplied and absorbed), and instantaneous active power (supplied and absorbed).



GW A1 916

LOAD MANAGEMENT RELAY P-COMFORT (RADIO FREQUENCY VERSION)

| Code | Rated voltage (V) | Rated current | Type Relay contact | capacity Relay contact | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|---------------|--------------------|------------------------|-------------------------|-------------|
| GW A1 916 | 230 ac | 32 A | 1 Changeover | 16 A AC1 | 2 | 1/6 |

APPLICATION: The P-Comfort relay can be installed in electrical systems up to 6 kW. In the event of overload due to the simultaneous switching of several electric loads, P-Comfort prevents power supply interruption disconnecting the non-preferential loads connected by radio frequency to smart plug RF ZigBee (GWA1526), to flush-mounting actuator RF ZigBee (GWA1523) or wired to the relay inside the device (max 10 devices). The disconnection and connection of preferential loads can be set by Priority (regardless of power consumption) or by Power (depending on the power consumption).

ACCESSORIES FOR P-COMFORT RF ZIGBEE (RADIO FREQUENCY VERSION)



GW A1 526

SMART PLUG RF ZIGBEE - GERMAN STANDARD - 230V AC

| Code | Type of plug | Socket-outlet type | Dimensions ØxH (mm) | Colour | Pack Carton |
|-----------|--------------|--------------------|---------------------|--------|-------------|
| GW A1 526 | 2P+E - 10A | 2P+E - 10A | 41x45 mm | White | 1/4 |

CHARACTERISTICS: adapter with side earthing and safety shields. Measures the power consumed of the connected load and sends the data to the P-Comfort RF ZigBee which disconnects the load according to the chosen setting.



GW A1 523

RF ZIGBEE ACTUATOR FOR FLUSH-MOUNTING

| Code | Rated voltage (V) | Type Relay contact | capacity Relay contact | Dimensions LxHxD (mm) | Pack Carton |
|-----------|-------------------|--------------------|------------------------|-----------------------|-------------|
| GW A1 523 | 230 ac | 1 NC | 10 A AC1 | 42x40x20 mm | 1/4 |

CHARACTERISTICS: Measures the power consumed of the connected load and sends the data to the P-Comfort RF ZigBee which disconnects the load according to the chosen setting.

APPLICATION: installation in flush-mounting boxes, junction boxes or in blanking modules GW10750, GW12750, GW14750.



GW 14 750

BLANKING MODULES FOR HOUSING RF ZIGBEE ACTUATORS

| Code | Colour | No. Chorus modules | Pack Carton |
|-----------|----------|--------------------|-------------|
| GW 10 750 | White | 1 | 1/12 |
| GW 12 750 | Black | 1 | 1/12 |
| GW 14 750 | Titanium | 1 | 1/12 |

CHARACTERISTICS: 1-gang blanking module with pad printing. Allows the housing and fast identification of the flush-mounting RF ZigBee actuator.

NOTE: embedded coupling.

KIT P-COMFORT RF ZIGBEE (RADIO FREQUENCY VERSION)



GW A1 912

PRE-INSTALLED KIT P-COMFORT RF ZIGBEE AND SMART PLUG

| Code | Number of smart plugs included | Pack Carton |
|-----------|--------------------------------|-------------|
| GW A1 911 | 1 | 1 |
| GW A1 912 | 2 | 1 |

CHARACTERISTICS: P-Comfort RF ZigBee inside the kit is pre-installed type set in Priority mode; When the power threshold is exceeded, loads connected to the Smart plug 1 are disconnected, then the loads connected to the Smart plug 2 and after all the loads wired to the relay inside the device. the reconnection of non-preferential loads is done following reverse sequence.

BIOCOMFORT MAIN DISCONNECTION SWITCH

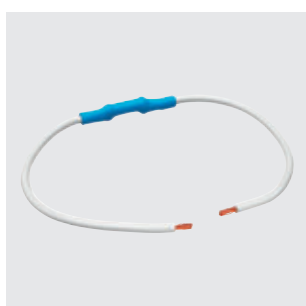


GW 96 339

MAIN DISCONNECTION SWITCH WITH SELF LEARNING FUNCTION

| Code | Rated voltage (V) | Rated current | Monitoring voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|---------------|------------------------|-------------------------|-------------|
| GW 96 339 | 230 ac | 16 A | 5 - 230 dc | 1 | 1/2 |

APPLICATIONS: the BIOCOMFORT disconnection switch reduces the voltage of the electrical system when the loads connected to it in the sleeping area are switched off. It is not necessary to manually adjust the relay tripping threshold because the main disconnection switch, thanks to the self-learning function, automatically learns the value of the current absorbed by the loads and applies it as the tripping threshold. During operation of the disconnection switch, the line downstream of BIOCOMFORT is powered by a continuous monitoring voltage (5-230 V dc). This voltage prevents the formation of electromagnetic fields in the sleeping area and is necessary for restoring the mains voltage (230 V ac) at any moment when a load is switched on.



GW 96 340

BASE LOAD

| Code | Rated voltage (V) | Pack Carton |
|-----------|-------------------|-------------|
| GW 96 340 | 230 ac | 1/5 |

NOTE: base load necessary for fluorescent lamps, low consumption lamps, LED lamps, halogen lamps with transformer, dimmers, electronic transformers or loads with absorption lower than 30 mA (e.g. loads with stand-by).

PROGRAMMING

TIMERS



GW 96 814

MULTIFUNCTION TIMER

| Code | Rated coil voltage (V) | Regulation field | Type of contacts | Contact rating - In | No. of modules EN 50022 | Pack Carton |
|-----------|------------------------|------------------|------------------|---------------------|-------------------------|-------------|
| GW 96 814 | 24....240 ac/dc | 0.05 s - 100 h | 1 Changeover | 8 A | 1 | 1/8 |

APPLICATIONS: allows to activate and deactivate the power supply to a load for a time set.
NOTE: cannot be used with illuminated push-buttons.



GW 96 815

ASYMMETRICAL CYCLE TIMER

| Code | Rated coil voltage (V) | Regulation field | Type of contacts | Contact rating - In | No. of modules EN 50022 | Pack Carton |
|-----------|------------------------|------------------|------------------|---------------------|-------------------------|-------------|
| GW 96 815 | 12....240 ac/dc | 0.05 s - 100 h | 1 Changeover | 8 A | 1 | 1/8 |

APPLICATIONS: allows to activate and deactivate the power supply to a load, for a time set with different ON and OFF times.
NOTE: cannot be used with illuminated push-buttons.



GW 96 809

STAIRCASE LIGHTING TIME DELAY SWITCHES

| Code | Rated voltage (V) | Regulation field | Type of contacts | Contact rating - In | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|------------------|------------------|---------------------|-------------------------|-------------|
| GW 96 809 | 230 ac | 30 s - 12 min | 1 NO | 16 A | 1 | 1/8 |

APPLICATION: timed management of the lights in passageway environments (stairs, corridors, entrances, etc.).
CHARACTERISTICS: the electronic staircase time switch, without switch-off warning, also allow to:
-turn off the lights completely by prolonged pressing of push-button (energy saving function).
-to extend lighting time by rapid and multiple pressing of the push-button (pumping function).

TIME SWITCHES



GW 96 831

ANALOGUE TIME SWITCHES

| Code | Type | Type of contacts | Rated voltage (V) | Charge reserve | No. of modules EN 50022 | Pack Carton |
|-----------|--------|------------------|-------------------|----------------|-------------------------|-------------|
| GW 96 830 | Daily | 1 NO | 230 ac | No | 1 | 1/8 |
| GW 96 836 | Daily | 1 NO | 230 ac - 110 dc | 50 h | 1 | 1/8 |
| GW 96 831 | Daily | 1 Changeover | 230 ac - 130 dc | 150 h | 3 | 1/4 |
| GW 96 832 | Weekly | 1 Changeover | 230 ac - 110 dc | 150 h | 3 | 1/4 |

APPLICATIONS: command and management of circuits according to pre-established daily or weekly programming; particularly useful where it is necessary to time the functions and optimise the level of comfort (ventilation, lighting, heating).

NOTE: minimum adjustment of the time switch: 30 minutes (daily), 3 hours (weekly).



GW 96 844

DAILY AND WEEKLY DIGITAL TIME SWITCHES

| Code | No. memories | Type of contacts | Rated voltage (V) | Charge reserve | No. modules | Pack Carton |
|-----------|--------------|------------------|-------------------|----------------|-------------|-------------|
| GW 96 846 | 50 | 1 Changeover | 230 ac | 3 years | 1 | 1/4 |
| GW 96 844 | 50 | 1 Changeover | 230 ac | 3 years | 2 | 1/4 |
| GW 96 845 | 50 | 2 Changeover | 230 ac | 3 years | 2 | 1/4 |

APPLICATIONS: allow the optimal management of circuits such as lighting and heating, to improve comfort levels and reduce electricity consumption.

NOTE: each time memorised is a memory occupied. Minimum adjustment - 1 minute.

CHARACTERISTICS: backlit shield and battery replacement by means of a slide mechanism for codes GW96844 and GW96845.

TWILIGHT SWITCHES



GW 96 891

TWILIGHT SWITCHES (WITH OUTDOOR PROBE)

| Code | Rated voltage (V) | Type of contacts | Brightness control | No. memories | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------|------------------|--------------------|--------------|-------------------------|-------------|
| GW 96 891 | 230 ac | 1 Changeover | 2...500 lux | 50 | 3 | 1/2 |
| GW 96 892 | 230 ac | 1 NO | 2...500 lux | | 1 | 1/2 |

CHARACTERISTICS: GW96891 also includes a digital time switch with charge reserve of 3 years and 1 minute as minimum setting.

APPLICATIONS: command the ON/OFF switching of external lighting devices depending on outside lighting.

The switchover delay prevents untimely interventions.



GW 96 895

OUTDOOR PROBE FOR TWILIGHT SWITCHES (SPARE PART)

| Code | Suitable for | Pack Carton |
|-----------|-------------------|-------------|
| GW 96 895 | Twilight switches | 1 |

NOTE: maximum length of the cable connecting the sensor 100 m.

ASTRONOMICAL SWITCH



GW 96 821

ASTRONOMICAL SWITCH (WITHOUT OUTDOOR PROBE)

| Code | Rated voltage (V) | Type of contacts | Charge reserve | No. modules | Pack Carton |
|-----------|-------------------|------------------|----------------|-------------|-------------|
| GW 96 821 | 230 ac | 1 Changeover | 3 years | 2 | 1/4 |

APPLICATIONS: commands the switching ON and OFF of external lighting equipment like a twilight switch but does not require an outdoor probe. Simply select one of the pre-set locations to make the product operate correctly.
CHARACTERISTICS: backlit shield and battery replacement by means of a slide mechanism.

MEASUREMENT

VOLTMETERS



GW 96 861

SINGLE-PHASE ANALOGUE VOLTMETERS WITH DIRECT CONNECTION - 40/60 HZ

| Code | Scale | Accuracy | No. of modules EN 50022 | Pack Carton |
|-----------|---------|----------|-------------------------|-------------|
| GW 96 861 | 0-300 V | 1.5 | 3 | 1/4 |
| GW 96 862 | 0-500 V | 1.5 | 3 | 1/4 |



GW 96 867

SINGLE-PHASE DIGITAL VOLTMETER WITH DIRECT CONNECTION

| Code | Scale | Supply voltage | Accuracy | No. of modules EN 50022 | Pack Carton |
|-----------|---------|----------------|----------|-------------------------|-------------|
| GW 96 867 | 0-500 V | 230 V ac | 0.5 | 2 | 1/4 |

AMMETERS



GW 96 871

ANALOGUE AMMETERS - 40/60 HZ

| Code | Capacity | Connection | Accuracy | No. of modules EN 50022 | Pack Carton |
|-----------|----------|----------------|----------|----------------------------|----------------|
| GW 96 871 | 10 A | Direct | 1.5 | 3 | 1/4 |
| GW 96 872 | 20 A | Direct | 1.5 | 3 | 1/4 |
| GW 96 873 | 30 A | Direct | 1.5 | 3 | 1/4 |
| GW 96 878 | 5 A | Using C.T./5 A | 1.5 | 3 | 1/4 |

NOTE: GW96878 does not have a scale. Select the most suitable interchangeable scale based on the primary current of the C.T..



INTERCHANGEABLE SCALES FOR GW96878 ANALOGUE AMMETER

| Code | Scale (A) | Pack Carton |
|-----------|--------------|----------------|
| GW 96 971 | 40 | 1/10 |
| GW 96 972 | 50 | 1/10 |
| GW 96 973 | 60 | 1/10 |
| GW 96 974 | 100 | 1/10 |
| GW 96 975 | 150 | 1/10 |
| GW 96 976 | 250 | 1/10 |
| GW 96 977 | 400 | 1/10 |
| GW 96 978 | 600 | 1/10 |
| GW 96 979 | 1000 | 1/10 |
| GW 96 980 | 1200 | 1/10 |
| GW 96 981 | 1500 | 1/10 |



GW 96 879

DIGITAL AMMETER FOR CONNECTION USING CURRENT TRANSFORMER

| Code | Capacity | Supply voltage | Accuracy | No. of modules EN 50022 | Pack Carton |
|-----------|----------|-------------------|----------|----------------------------|----------------|
| GW 96 879 | 5-999 A | 230 V ac | 0.5 | 2 | 1/4 |

NOTE: connection using a current transformer (up to 1000 A) with secondary of 5 A.

ENERGY METERS



GW D6 801

SINGLE-PHASE DIGITAL ENERGY METERS FOR DIRECT CONNECTION

| Code | Type MID | No. digits | Accuracy | I max (A) | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|----------|---------------------|----------|-----------|-------------------|-------------------------|-------------|
| GW D6 801 | No | 5 unit + 2 decimals | 1 | 32 A | 230 ac | 1 | 1/5 |
| GW D6 802 | Yes | 5 unit + 2 decimals | 1 | 32 A | 230 ac | 1 | 1/5 |

APPLICATION: allows the measurement and visualisation on the display of the active energy values (exported and imported), instantaneous active power (exported and imported), voltage, current, power factor and frequency.
If used with the KNX GW90876 interface, the measured values can be sent on the KNX BUS.
If used with the MODBUS GWD6820 interface, the measured values can be sent on Modbus RS485.
CHARACTERISTICS: the energy meters have an impulse output for remote energy consumption control.



GW D6 808

THREE-PHASE DIGITAL ENERGY METERS

| Code | Type MID | No. digits | Accuracy | Connection | Rated voltage (V) | No. of modules EN 50022 | Pack Carton |
|-----------|----------|---------------------|---------------------------------------|---------------------|-------------------|-------------------------|-------------|
| GW D6 806 | No | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Direct (I max=80 A) | 400 ac | 4 | 1/2 |
| GW D6 807 | Yes | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Direct (I max=80 A) | 400 ac | 4 | 1/2 |
| GW D6 808 | No | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Using C.T./5 A | 400 ac | 4 | 1/2 |
| GW D6 809 | Yes | 6 unit + 2 decimals | 1 (active energy) 2 (reactive energy) | Using C.T./5 A | 400 ac | 4 | 1/2 |

APPLICATION: allow the measurement and the visualization on display of the active and reactive energy values (exported and imported), and instantaneous active and reactive power values (exported and imported). If used with the KNX GW90876 interface, the measured values can be sent on the KNX BUS.
If used with the MODBUS GWD6820 interface, the measured values can be sent on Modbus RS485.
CHARACTERISTICS: the meters have two impulse outputs for remote energy consumption control.



GW 90 876

COMMUNICATION INTERFACES FOR SINGLE-PHASE AND THREE-PHASE ENERGY METERS

| Code | Technology | No. of modules EN 50022 | Pack Carton |
|-----------|--------------|-------------------------|-------------|
| GW 90 876 | KNX | 1 | 1/5 |
| GW D6 820 | RS485 MODBUS | 1 | 1/5 |

CHARACTERISTICS: To be configured with ETS software.
APPLICATION: use the KNX BUS or MODBUS RS485 to send the energy and power values measured by the energy meters GWD6801, GWD6802, GWD6806, GWD6807, GWD6808 and GWD6809.
The KNX interfaces are optically coupled with the energy meters if installed side-by-side.
NOTES: equipped with coupling terminal for connection to bus.

HOUR COUNTER



GW 96 881

HOUR COUNTER

| Code | No. digits | Accuracy | No. of modules EN 50022 | Pack Carton |
|-----------|---------------------|-----------------|-------------------------|-------------|
| GW 96 881 | 5 unit + 2 decimals | 1/100 h (36 s.) | 2 | 1/4 |

APPLICATIONS: computing the operating hours of electrical devices (motors, machines, tools, adjustment devices etc.).

MULTIMETER



GW 96 897

VOLTAGE/CURRENT MULTIMETER

| Code | Type of display | Rated voltage (V) | Measured sizes | Accuracy | No. of modules EN 50022 | Pack Carton |
|-----------|------------------------|-------------------|----------------|----------|-------------------------|-------------|
| GW 96 897 | LED 3 units on 3 lines | 230 ac | V, I | 0.5 | 2 | 1/4 |

NOTE: connection using current transformers (up to 1000 A) with secondary of 5 A.

NETWORK ANALYSER



GW 96 899

NETWORK ANALYSER

| Code | Type of display | Measured sizes | Accuracy | No. of modules EN 50022 | Pack Carton |
|-----------|-----------------|---|----------|-------------------------|-------------|
| GW 96 899 | LCD | V, I, F, W, VAR, VA, kWh, kVARh, power factor | 2 | 4 | 1/2 |

NOTE: connection using current transformers with secondary of 5 A. It allows remote communication of all measured sizes via RS485 (MODBUS RTU).

CURRENT TRANSFORMERS



GW 96 452

CURRENT TRANSFORMERS WITH 5 A SECONDARY

| Code | Primary current | Primary circuit with bar | Primary circuit with cable | Performance | Accuracy | Pack Carton |
|-----------|-----------------|--------------------------|----------------------------|-------------|----------|-------------|
| GW 96 441 | 15 A | Wound | | 3 VA | 1 | 1 |
| GW 96 442 | 25 A | Wound | | 3 VA | 1 | 1 |
| GW 96 443 | 40 A | Busbar 30x10 mm max | Cable Ø 23 mm max | 2 VA | 3 | 1 |
| GW 96 444 | 50 A | Busbar 30x10 mm max | Cable Ø 23 mm max | 2 VA | 3 | 1 |
| GW 96 445 | 60 A | Busbar 30x10 mm max | Cable Ø 23 mm max | 3 VA | 3 | 1 |
| GW 96 446 | 100 A | Busbar 30x10 mm max | Cable Ø 23 mm max | 3 VA | 1 | 1 |
| GW 96 447 | 150 A | Busbar 30x10 mm max | Cable Ø 23 mm max | 3 VA | 0.5 | 1 |
| GW 96 448 | 250 A | Busbar 30x10 mm max | Cable Ø 23 mm max | 5 VA | 0.5 | 1 |
| GW 96 449 | 400 A | Busbar 30x10 mm max | Cable Ø 23 mm max | 6 VA | 0.5 | 1 |
| GW 96 450 | 600 A | Busbar 30x10 mm max | Cable Ø 23 mm max | 10 VA | 0.5 | 1 |
| GW 96 451 | 1000 A | Busbar 64x20 mm max | Cable Ø 50 mm max | 20 VA | 0.5 | 1 |
| GW 96 452 | 1200 A | Busbar 64x20 mm max | Cable Ø 50 mm max | 20 VA | 0.5 | 1 |
| GW 96 453 | 1500 A | Busbar 64x20 mm max | Cable Ø 50 mm max | 30 VA | 0.5 | 1 |

CHARACTERISTICS: two types of primary circuit: wound type (supplied with busbar or primary terminal already available) and through type (with a hole through which the busbar, or the cable constituting the primary, is passed). Transformers up to 600 A can be installed on DIN rail.

APPLICATIONS: allow the measurement of high currents by analogue and digital ammeters; provide a current to the secondary which is proportional to the primary current.

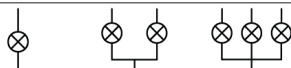
SIGNALLING

INDICATOR LIGHTS



GW 96 592

INDICATOR LIGHTS



| Code | Type | Colour | No. of modules EN 50022 | Pack Carton |
|--|--------|------------------|----------------------------|----------------|
| Rated voltage: 12-24-48 V ac/dc | | | | |
| GW 96 586 | Single | Red | 1 | 1/12 |
| GW 96 587 | Single | Green | 1 | 1/12 |
| GW 96 588 | Single | Yellow | 1 | 1/12 |
| GW 96 589 | Single | Blue | 1 | 1/12 |
| GW 96 590 | Single | White | 1 | 1/12 |
| Rated voltage: 230 V ac | | | | |
| GW 96 581 | Single | Red | 1 | 3/12 |
| GW 96 582 | Single | Green | 1 | 3/12 |
| GW 96 583 | Single | Yellow | 1 | 3/12 |
| GW 96 584 | Single | Blue | 1 | 3/12 |
| GW 96 585 | Single | White | 1 | 3/12 |
| GW 96 591 | Double | Green/Red | 1 | 1/12 |
| GW 96 592 | Triple | Red | 1 | 1/12 |
| GW 96 598 | Triple | Red/Yellow/Green | 1 | 1/12 |

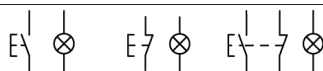
CHARACTERISTICS: indicator light with LED.

ILLUMINATED PUSH-BUTTONS



GW 96 568

ILLUMINATED PUSH-BUTTONS



| Code | Contacts | Indicator light colour | Characteristics | Rated current | No. of modules EN 50022 | Pack Carton |
|---|-------------|---------------------------|--------------------|------------------|----------------------------|----------------|
| Rated lamp voltage: 12-24-48 V ac/dc | | | | | | |
| GW 96 570 | 1 NO | Green | Single push-button | 16 A | 1 | 1/12 |
| GW 96 571 | 1 NC | Red | Single push-button | 16 A | 1 | 1/12 |
| Rated lamp voltage: 230 V ac | | | | | | |
| GW 96 566 | 1 NO | Green | Single push-button | 16 A | 1 | 1/12 |
| GW 96 567 | 1 NC | Red | Single push-button | 16 A | 1 | 1/12 |
| GW 96 568 | 1 NO + 1 NC | Green | Single push-button | 16 A | 1 | 1/12 |
| GW 96 569 | 1 NO + 1 NC | Red | Single push-button | 16 A | 1 | 1/12 |

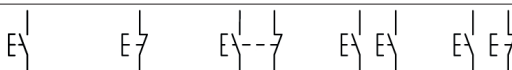
CHARACTERISTICS: indicator light with LED.

PUSH-BUTTONS WITHOUT LIGHTING



GW 96 565

PUSH-BUTTONS



| Code | Contacts | Characteristics | Rated current | No. of modules EN 50022 | Pack Carton |
|--------------------------------|-------------|----------------------------------|------------------|----------------------------|----------------|
| Rated voltage: 230 V ac | | | | | |
| GW 96 561 | 1 NO | Single push-button | 16 A | 1 | 3/12 |
| GW 96 562 | 1 NC | Single push-button | 16 A | 1 | 3/12 |
| GW 96 563 | 1 NO + 1 NC | Single push-button | 16 A | 1 | 1/12 |
| GW 96 564 | 1 NO / 1 NO | Double push-button (grey / grey) | 16 A | 1 | 1/12 |
| GW 96 565 | 1 NO / 1 NC | Double push-button (green / red) | 16 A | 1 | 1/12 |

BELLS AND BUZZERS



GW 96 402

| BELLS | | | | |
|-----------|---------------|------------|-------------------------|-------------|
| Code | Rated voltage | Power loss | No. of modules EN 50022 | Pack Carton |
| GW 96 401 | 12 V | 5 VA | 1 | 12 |
| GW 96 402 | 230 V | 10 VA | 1 | 12 |
| GW 96 403 | 230 V | 6.1 VA | 2 | 6 |

CHARACTERISTICS: GW96403 incorporates a transformer with a very low safety voltage of 24 V-.

APPLICATIONS: acoustic signal of an operation in the domestic and commercial sectors.



GW 96 408

| BUZZERS | | | | |
|-----------|---------------|------------|-------------------------|-------------|
| Code | Rated voltage | Power loss | No. of modules EN 50022 | Pack Carton |
| GW 96 406 | 12 V | 5 VA | 1 | 12 |
| GW 96 407 | 230 V | 10 VA | 1 | 12 |
| GW 96 408 | 230 V | 6.1 VA | 2 | 6 |

CHARACTERISTICS: GW96408 incorporates a transformer with a very low safety voltage of 24 V-.

APPLICATIONS: acoustic signal of an operation in the domestic and commercial sectors.



GW 96 411

| COMBINED TRANSFORMER-BELL-BUZZER | | | | |
|----------------------------------|---------------|------------|-------------------------|-------------|
| Code | Rated voltage | Power loss | No. of modules EN 50022 | Pack Carton |
| GW 96 411 | 230 V | 3.8 VA | 2 | 4 |

CHARACTERISTICS: GW96411 incorporates a transformer with a very low safety voltage of 24 V.

TRANSFORMERS



GW 96 421

BELLS TRANSFORMERS (FOR DISCONTINUOUS USE)

| Code | Rated power | Primary voltage | Secondary voltage | No. of modules EN 50022 | Pack Carton |
|-----------|--|-----------------|-------------------|-------------------------|-------------|
| GW 96 421 | 6 VA (12 V) 4 VA (8 V) 2 VA (4 V) | 230 V | 4+8=12 V | 2 | 6 |
| GW 96 422 | 6 VA (24 V) 3 VA (12 V) | 230 V | 12+12=24 V | 2 | 6 |
| GW 96 423 | 10 VA (12 V)/6.6 VA (8 V)/3.3 VA (4 V) | 230 V | 4+8=12 V | 2 | 6 |
| GW 96 424 | 10 VA (24 V)/5 VA (12 V) | 230 V | 12+12=24 V | 2 | 6 |
| GW 96 425 | 15 VA (12 V)/10 VA (8 V)/5 VA (4 V) | 230 V | 4+8=12 V | 2 | 6 |
| GW 96 426 | 15 VA (24 V)/7.5 VA (12 V) | 230 V | 12+12=24 V | 2 | 6 |
| GW 96 431 | 30 VA (12 V)/20 VA (8 V)/10 VA (4 V) | 230 V | 4+8=12 V | 3 | 4 |
| GW 96 432 | 30 VA (24 V)/15 VA (12 V) | 230 V | 12+12=24 V | 3 | 4 |
| GW 96 433 | 40 VA (12 V)/27 VA (8 V)/13 VA (4 V) | 230 V | 4+8=12 V | 3 | 4 |
| GW 96 434 | 40 VA (24 V)/20 VA (12 V) | 230 V | 12+12=24 V | 3 | 4 |

APPLICATIONS: distribution and realisation of SELV very low voltage safety circuits, with a value lower or equal to 24 V.

They allow electrical separation between the primary and secondary circuits, thus allowing the supply of bells and similar discontinuous operation signalling devices. They can also be used to supply the shunt trip release GW96011 with a rated voltage up to 24 V ac. To know the maximum number of releases that can be supplied with the transformers, refer to the technical characteristics.



GW 96 781

TRANSFORMERS FOR BELLS AND BUZZERS (SWITCH OFF TYPE)

| Code | Rated power | Primary voltage | Secondary voltage | No. of modules EN 50022 | Pack Carton |
|-----------|-------------|-----------------|-------------------|-------------------------|-------------|
| GW 96 781 | 8 VA | 230 V | 8 V | 2 | 1/6 |
| GW 96 782 | 12 VA | 230 V | 24 V | 4 | 1/3 |



GW 96 783

TERMINAL COVERS

| Code | Suitable for | Pack Carton |
|-----------|--------------|-------------|
| GW 96 783 | GW96781 | 1/50 |



GW 96 323

SAFETY TRANSFORMERS

| Code | Rated power | Primary voltage | Secondary voltage | No. of modules EN 50022 | Pack Carton |
|-----------|-----------------|-----------------|-------------------|-------------------------|-------------|
| GW 96 321 | 15 VA (12/24 V) | 230 V | 12+12=24 V | 3 | 4 |
| GW 96 322 | 25 VA (12/24 V) | 230 V | 12+12=24 V | 3 | 4 |
| GW 96 323 | 40 VA (12/24 V) | 230 V | 12+12=24 V | 4 | 1 |
| GW 96 324 | 63 VA (12/24 V) | 230 V | 12+12=24 V | 6 | 1 |

OTHER ACCESSORIES

ACCESSORIES FOR MOUNTING ON DIN RAIL EN 50022



GW 96 523

SOCKET-OUTLETS FOR MOUNTING ON DIN RAIL EN 50022

| Code | No. of poles | Standard | Rated voltage (V) | Rated current | No. of modules EN 50022 | Pack Carton |
|-----------|--------------|------------------|-------------------|---------------|-------------------------|-------------|
| GW 96 522 | 2P+E | German | 250 V ac | 16 A | 2.5 | 2/8 |
| GW 96 523 | 2P+E | German, with lid | 250 V ac | 16 A | 2.5 | 2/8 |
| GW 96 524 | 2P+E | French | 250 V ac | 16 A | 2.5 | 2/8 |
| GW 96 525 | 2P+E | Italian / German | 250 V ac | 10/16 A* | 2.5 | 2/8 |
| GW 96 526 | 2P+E | Danish | 250 V ac | 16 A | 2.5 | 2/8 |

* 10 A Italian standard / 16 A German standard

CHORUS RANGE COMPONENTS AND SUPPORTS FOR MOUNTING ON DIN RAIL EN 50022



GW 10 204

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS - 250 V AC

| Code | Description | Earth pit | Socket-out type | For plug pins | No. Chorus modules | Pack Carton |
|-----------|---------------------------|------------------|-----------------|------------------|--------------------|-------------|
| GW 10 204 | 2P+E - 16 A Dual amperage | Side and central | P40 | Ø 4 / 4.8 / 5 mm | 2 | 6/48 |

CHARACTERISTICS: with safety shields.



GW 10 661

EXTRACTABLE ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Minimum autonomy | Lamp | Pack Carton |
|-----------|---------------------|------------------------|------------------|------|-------------|
| GW 10 661 | 230 V ac - 50/60 Hz | Ni - Mh | 2 h | LED | 1/6 |

CHARACTERISTICS: equipped with a 3-position selector on the front panel, for anti black-out inhibition and night functioning.
To be inserted in any socket-outlet of the Italian, German or French type. Highly efficient, white LED lamp.



GW 16 841

SUPPORTS FOR ASSEMBLING CHORUS DEVICES ON DIN EN 50022 RAIL

| Code | Description | No. DIN modules | Pack Carton |
|-----------|-------------|-----------------|-------------|
| GW 16 841 | 1 gang | 1.5 | 5/300 |
| GW 16 842 | 2 gang | 3 | 5/150 |
| GW 16 843 | 3 gang | 4 | 5/50 |

CHARACTERISTICS: manual release system for Chorus devices, without the need for tools.

NOTES: pay attention when using particularly deep devices (2P three-way switches, movement detectors and IR receivers, relays, German standard socket-outlets with front tightening, quick wiring terminals, British standard socket-outlets, interlocked switched socket-outlet, shaver socket-outlets, USB power supplies, miniature circuit breakers and residual current circuit breakers, anti black-out and emergency lamps, ringers and buzzers, thermostats and timed thermostats, programmers, water and gas detectors, timers, dimmers, touch commands, electronic push-buttons with interlock, KNX flush-mounting timed thermostats, etc.) as they may interfere with the DIN rail, preventing the correct passage of the wires.

SYSTEM RANGE COMPONENTS AND SUPPORTS FOR MOUNTING ON DIN RAIL EN 50022



GW 20 246

ITALIAN/GERMAN STANDARD SOCKET-OUTLETS - 250 V AC

| Code | Description | Earth pit | Type | For plug pins | No. SYSTEM modules | Pack Carton |
|-----------|---------------------------|------------------|------|------------------|--------------------|-------------|
| GW 20 246 | 2P+E - 16 A Dual amperage | Side and central | P40 | Ø 4 / 4.8 / 5 mm | 2 | 30/120 |

CHARACTERISTICS: with safety shields.



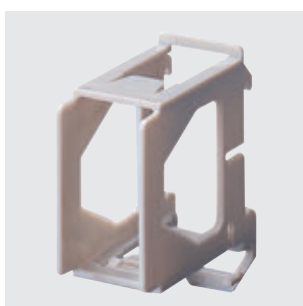
GW 20 833

EXTRACTABLE ANTI BLACK-OUT LAMP

| Code | Supply voltage | Power supply batteries | Autonomy | Type of lamp | No. SYSTEM modules | Pack Carton |
|-----------|---------------------|------------------------|----------|--------------|--------------------|-------------|
| GW 20 833 | 230 V ac - 50/60 Hz | Ni-Mh | 2 h | White Led | 2 | 1/4 |

CHARACTERISTICS: equipped with inhibition selector on the front. Replaceable batteries (battery pack 4.8 V 40 mAh).

APPLICATION: according to CEI 64-8 (chapter 37).



GW 26 409

SUPPORTS FOR ASSEMBLING SYSTEM DEVICES ON DIN RAIL EN 50022

| Code | Description | No. of modules EN 50022 | Pack Carton |
|-----------|-------------|-------------------------|-------------|
| GW 26 409 | 1 gang | 1.5 | 5/300 |
| GW 26 410 | 2 gang | 3 | 5/150 |

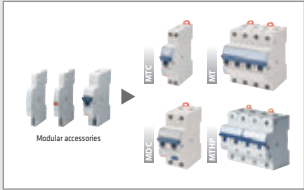


SMART LOAD
MANAGEMENT



P-Comfort prevents the interruption of electrical supply: in the event of overload, it disconnects only non-preferential loads, after connects theme automatically in a set time, removing inconvenience due to blackout.

ACCESSORIES
TO SIMPLIFY USE



The auxiliary contacts and shunt trip releases, which are common to all miniature circuit breakers and residual current c.b. with overcurrent protection guarantee simplicity, interchangeability, multiple uses and rationalisation of the items.

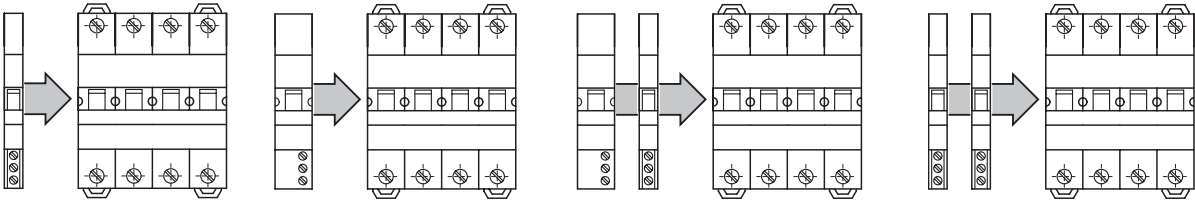
OVERVOLTAGE
UNDER CONTROL



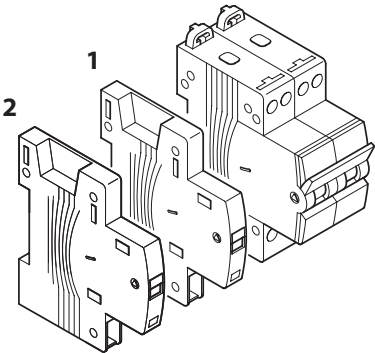
The range of surge protective devices Ist provides maximum protection against atmospheric discharge generated by both direct and indirect lightning strikes. With the pluggable cartridge feature, maintenance is made quick and easy.

ACCESSORIES AND AUXILIARIES FOR MODULAR CIRCUIT BREAKERS MTC-MT-MTHP-MDC

For each circuit breaker it's possible to fit up to max 2 accessories. The shunt trip releases or under voltage releases must be positioned to the left of the accessories, as shown in the figure.



If 2 auxiliary contacts are used, it is necessary to observe the connection rules shown in the table below.



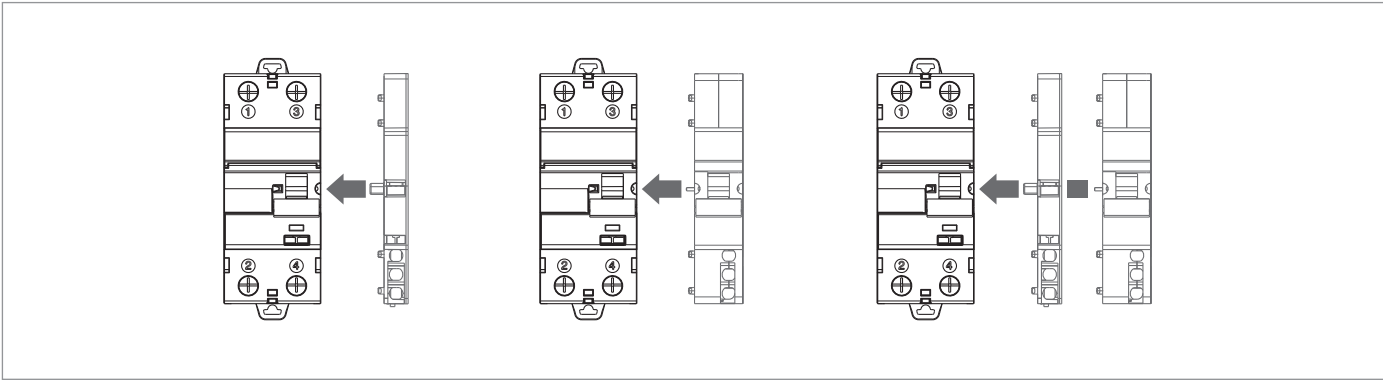
| POS. 2 | POS. 1 |
|-------------------------|-------------------------|
| GW 96 001 GW 96 009c | GW 96 001 GW 96 009c |
| GW 96 001 | GW 96 006 GW 96 009s |
| GW 96 009c | |
| GW 96 006 GW 96 009s | |

GW 96 009c: open/closed auxiliary contact set
GW 96 009s: tripped relay auxiliary contact set

ACCESSORIES AND AUXILIARIES FOR RCCB'S IDP

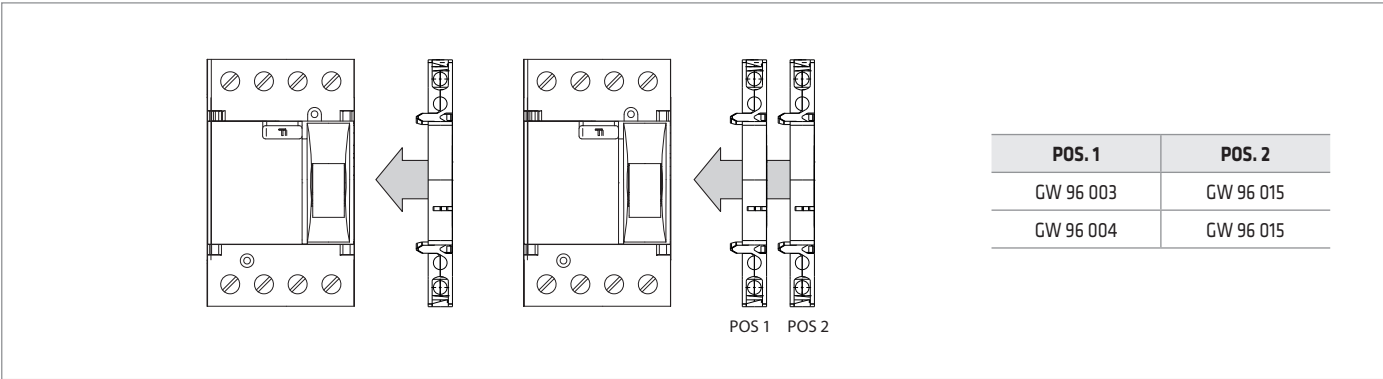
RCCB's for IDP 2P-4P up to 100 A (except for the B type)

It is possible to couple until 2 accessories for each RCCB. The shunt trip releases or the under voltage releases must be set at the right end of accessories as shown in the figure below.



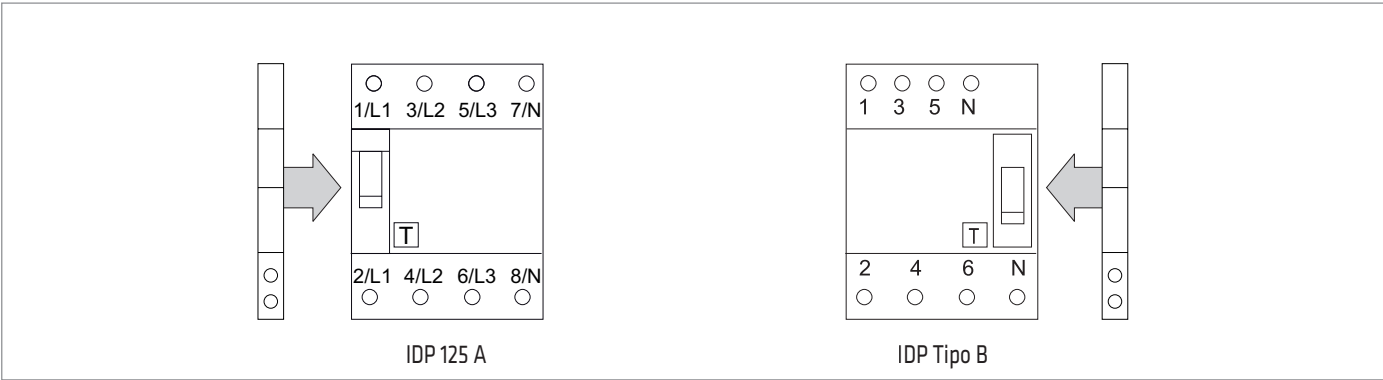
RCCB's 4P 3 modules

It is possible to couple until 2 accessories for each RCCB. The shunt trip release must be set at the right end of accessories as shown in the figure below.



RCCBS's 125A and B type

It is possible to couple until 1 accessory for each 2P and 4P RCCB.



90 PV

Products for photovoltaic systems

The 90 PV range comprises 6 versions of string boards able to meet the most varying photovoltaic plant engineering requirements, from the residential context to the commercial/ industrial one. The different versions are distinguished by the number of strings that can be managed, and by the voltage level of the photovoltaic generator. In addition to string boards, the range also includes modular products specifically for the DC side of the photovoltaic system.



Technical characteristics page 748

PREWIRED STRING BOARDS

PREWIRED STRING BOARDS



GW D9 903

PREWIRED STRING BOARDS

| Code | No. of strings | Rated current | No. of board modules | Pack Carton |
|----------------------------------|----------------|---------------|----------------------|-------------|
| String voltage: 600 V dc | | | | |
| GW D9 901 | 2 | 25 A | 1x12 | 1 |
| GW D9 902 | 3 | 25 A | 2x12 | 1 |
| GW D9 903 | 4 | 50 A | 2x12 | 1 |
| String voltage: 800 V dc | | | | |
| GW D9 906 | 2 | 20 A | 1x12 | 1 |
| String voltage: 1000 V dc | | | | |
| GW D9 907 | 3 | 32 A | 2x12 | 1 |
| GW D9 908 | 4 | 32 A | 2x12 | 1 |

ACCESSORIES SUPPLIED: cable glands as spare parts and equipotential terminal blocks.
DC fuses not included. Refer to the fuse code list.

DC MODULAR DEVICES

SWITCH DISCONNECTORS



GW 96 187

DC ROTARY SWITCH DISCONNECTORS

| Code | No. of poles | Rated current | Rated voltage DC | No. of modules EN 50022 | Pack Carton |
|-----------|--------------|---------------|------------------|-------------------------|-------------|
| GW 96 186 | 2P | 25 A | 600 V | 3.5 | 1 |
| GW 96 187 | 4P | 32 A | 1000 V | 3.5 | 1 |

NOTE: utilisation category DC21B. These switch disconnectors cannot be combined.

SURGE PROTECTIVE DEVICES LST



GW D6 426

SURGE PROTECTIVE DEVICES TYPE 2 FOR PHOTOVOLTAIC APPLICATIONS



| Code | Rated voltage DC | Maximum discharge current | No. of modules EN 50022 | Aux end-of-life contact | Pack Carton |
|-----------|------------------|---------------------------|-------------------------|-------------------------|-------------|
| GW D6 426 | 600 V | 40 kA | 3 | No | 1 |
| GW D6 428 | 1000 V | 40 kA | 3 | No | 1 |

CHARACTERISTICS: SPDs are equipped with extractable cartridges with optic end-of-life signal.

DISCONNECTABLE FUSE-HOLDERS



GW 96 227

DISCONNECTABLE FUSE-HOLDERS

| Code | No. of poles | Rated current | Rated voltage | Fuse dimension (mm) | No. of modules EN 50022 | Pack Carton |
|-----------|--------------|---------------|---------------|---------------------|-------------------------|-------------|
| GW 96 226 | 1P | 20 A | 1000 V dc | 10.3x38 | 1 | 12 |
| GW 96 227 | 2P | 20 A | 1000 V dc | 10.3x38 | 2 | 6 |

NOTE: utilization category DC20B.

FUSES



GW 72 131

CYLINDRICAL FUSES - TYPE GPV

| Code | Rated current | Rated voltage DC | Breaking capacity DC | Pack Carton |
|-------------------------------------|---------------|------------------|----------------------|-------------|
| Dimensions (mm): Ø 10.3 x 38 | | | | |
| GW 72 131 | 6 A | 1000 V | 30 kA | 10 |
| GW 72 132 | 8 A | 1000 V | 30 kA | 10 |
| GW 72 133 | 10 A | 1000 V | 30 kA | 10 |
| GW 72 134 | 12 A | 1000 V | 30 kA | 10 |
| GW 72 135 | 16 A | 1000 V | 30 kA | 10 |
| GW 72 136 | 20 A | 1000 V | 30 kA | 10 |

APPLICATIONS: photovoltaic systems.

90 PV



READY TO BE CONNECTED



To allow an easy, quick and safe connection, the string boards are already completed with cable glands and terminal blocks. The cable glands are supplied as spare parts, so the connection cable can be made according to individual needs (from the top, bottom or sides).

ALREADY TESTED CERTIFIED



The string boards have been tested in the GEWISS laboratories, passing all the tests according to the standards EN 61439-1 and EN 61439-2 for the product certification.

WIDE RANGE



Our offer for the protection of AC side allows to meet every installation need from residential to the commercial/ industrial sector, offering a wide family of products from modular devices to MCCB's, from modular accessories up to distribution boards.

90 PV RANGE - MODULAR DEVICES IN DIRECT CURRENT

SWITCH DISCONNECTOR



Compact dc switch disconnecter suitable for photovoltaic installation up to 32 A 1000 V dc

TECHNICAL DATA

| | |
|---|--|
| Standards: | EN 60947-3 |
| Utilization category: | DC21B / DC22B |
| Rated insulation voltage (Ui): | 1000V |
| Rated impulse withstand voltage (Uimp): | 8kV |
| Operating temperature: | -40 to +65°C |
| Max. cable section: | 16mm ² (solid or stranded) 10mm ² (flexible, also with terminals) |

| Code | Modules | Poles | Utilization category | Rated operational voltage (Ue) | | |
|-----------|---------|-------|----------------------|--------------------------------|---------|----------|
| | | | | 600V dc | 800V dc | 1000V dc |
| | | | | Rated operational current (In) | | |
| GW 96 186 | 3,5 | 2 | DC21B | 25A | 20A | 11A |
| | | | DC22B | 6A | 2,5A | 1,5A |
| GW 96 187 | 3,5 | 4 | DC21B | 32A | 32A | 32A |
| | | | DC22B | 27,5A | 12,5A | 10A |

SURGE PROTECTIVE DEVICES LST



Surge protective devices with extractable cartridge suitable for photovoltaic applications up to 1000 V dc

TECHNICAL DATA

| | |
|-----------------------------------|---|
| Standards: | EN 61643-11 |
| Type: | Type 2 (8/20 μs) |
| Rated discharge current (In): | 20kA |
| Maximum discharge current (Imax): | 40kA |
| Back-up protection: | if Icc > 100A dc, fuse type gPV ≤ 20A if Icc < 100A dc, protection not necessary |

| Code | Rated operational voltage (Un) | Maximum continuous operating voltage (Uc) | Voltage protection level at In (Up) | Modules |
|-----------|--------------------------------|---|-------------------------------------|---------|
| GW D6 426 | 600V dc | 700V dc | ≤ 2,6kV | 3 |
| GW D6 428 | 1000V dc | 1170V dc | ≤ 4kV | 3 |

SPARE CARTRIDGES

- GW D6 446 suitable for SPD GW D6 426.
- GW D6 448 suitable for SPD GW D6 428.

DISCONNECTABLE FUSE-HOLDER



Fuse-holder for protection and isolation of the photovoltaic strings.

TECHNICAL DATA

| | |
|---------------------------------|------------|
| Standards: | EN 60947-3 |
| Utilization category: | DC20B |
| Rated operational voltage (Ue): | 1000V dc |
| Rated current (In): | 20A |
| Max power loss: | 3W |

| Code | Poles | Modules |
|-----------|-------|---------|
| GW 96 226 | 1 | 1 |
| GW 96 227 | 2 | 2 |

FUSES



The fuses are type Gpv, as required for photovoltaic applications.

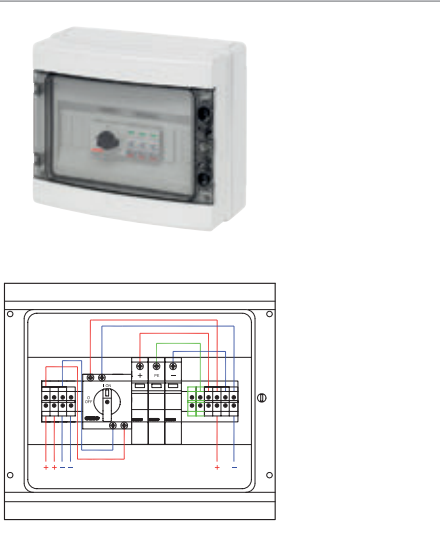
TECHNICAL DATA

| | |
|---------------------------------|-------------|
| Standards: | IEC 60269-6 |
| Dimensions: | 10,3x38 mm |
| Type: | gPV |
| Rated operational voltage (Ue): | 1000V dc |
| Breaking capacity: | 30kA dc |

| Code | Rated current (In) |
|-----------|--------------------|
| GW 72 131 | 6 |
| GW 72 132 | 8 |
| GW 72 133 | 10 |
| GW 72 134 | 12 |
| GW 72 135 | 16 |
| GW 72 136 | 20 |

90 PV RANGE - PREWIRED STRING BOARDS

2 STRINGS - 600V DC - 25A
GW D9901



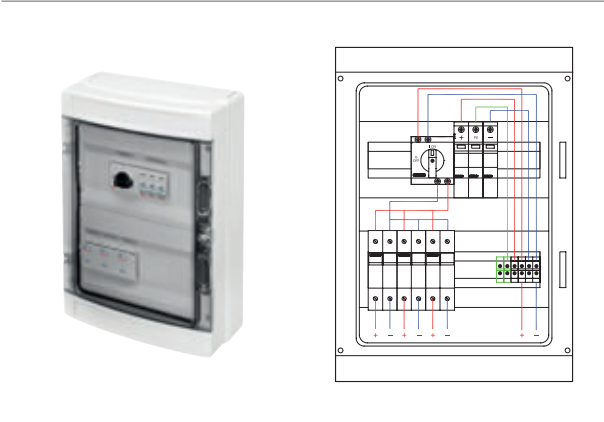
Pre-wired board for connecting 1 or 2 strings of photovoltaic panels to the inverter. It includes:

- watertight enclosure
- 1 rotary switch disconnecter 2-pole
- 1 surge protective device with extractable cartridges

| TECHNICAL DATA | |
|--|---------------------------|
| Standards: | EN 61439-1 and EN 61439-2 |
| No. of modules of 40CDK enclosure: | 1x12 |
| Degree of protection: | IP65 |
| Insulation class: | Class II |
| Rated voltage of the switch disconnecter (Ue): | 600V dc |
| Rated current of the switch disconnecter (In): | 25A |
| Rated operational voltage of the SPD (Un): | 600V dc |
| Connection cable section: | 6mm² |

STRING BOARD EQUIPMENT: cable glands (supplied loose) and equipotential terminal blocks.

3 STRINGS - 600V DC - 25A
GW D9902



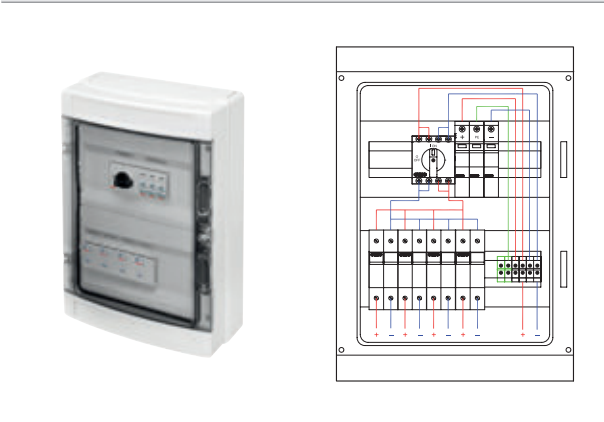
Pre-wired board for connecting 3 strings of photovoltaic panels to the inverter. It includes:

- watertight enclosure
- 1 rotary switch disconnecter 2-pole
- 1 surge protective device with extractable cartridges
- 3 disconnectable fuse-holders

| TECHNICAL DATA | |
|--|---------------------------|
| Standards: | EN 61439-1 and EN 61439-2 |
| No. of modules of 40CDK enclosure: | 2x12 |
| Degree of protection: | IP65 |
| Insulation class: | Class II |
| Rated voltage of the switch disconnecter (Ue): | 600V dc |
| Rated current of the switch disconnecter (In): | 25A |
| Rated operational voltage of the SPD (Un): | 600V dc |
| Connection cable section: | 6mm² |

STRING BOARD EQUIPMENT: cable glands (supplied loose) and equipotential terminal blocks.
NB: DC fuses not supplied.

4 STRINGS - 600V DC - 50A
GW D9903



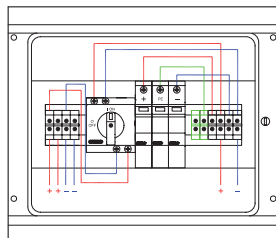
Pre-wired board for connecting 4 strings of photovoltaic panels to the inverter. It includes:

- watertight enclosure
- 1 rotary switch disconnecter 4-pole
- 1 surge protective device with extractable cartridges
- 4 disconnectable fuse-holders

| TECHNICAL DATA | |
|--|----------------------------|
| Standards: | EN 61439-1 and EN 61439-2 |
| No. of modules of 40CDK enclosure: | 2x12 |
| Degree of protection: | IP65 |
| Insulation class: | Class II |
| Rated voltage of the switch disconnecter (Ue): | 600V dc |
| Rated current of the switch disconnecter (In): | 50 A (2 poles in parallel) |
| Rated operational voltage of the SPD (Un): | 600V dc |
| Connection cable section: | 6mm² |

STRING BOARD EQUIPMENT: cable glands (supplied loose) and equipotential terminal blocks.
NB: DC fuses not supplied.

2 STRINGS - 800V DC - 20A GW D9906



Pre-wired board for connecting 1 or 2 strings of photovoltaic panels to the inverter. It includes:

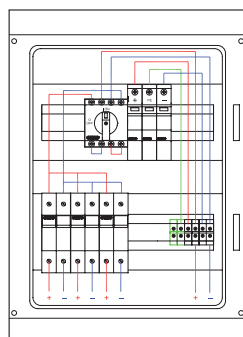
- watertight enclosure
- 1 rotary switch disconnecter 2-pole
- 1 surge protective device with extractable cartridges

TECHNICAL DATA

| | |
|--|---------------------------|
| Standards: | EN 61439-1 and EN 61439-2 |
| No. of modules of 40CDK enclosure: | 1x12 |
| Degree of protection: | IP65 |
| Insulation class: | Class II |
| Rated voltage of the switch disconnecter (Ue): | 800V dc |
| Rated current of the switch disconnecter (In): | 20A |
| Rated operational voltage of the SPD (Un): | 1000V dc |
| Connection cable section: | 6mm ² |

STRING BOARD EQUIPMENT: cable glands (supplied loose) and equipotential terminal blocks.

3 STRINGS - 1000V DC - 32A GW D9907



Pre-wired board for connecting 3 strings of photovoltaic panels to the inverter. It includes:

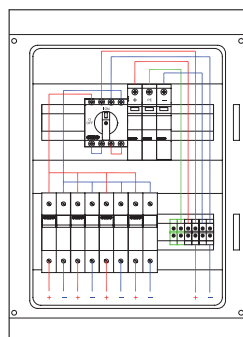
- watertight enclosure
- 1 rotary switch disconnecter 4-pole
- 1 surge protective device with extractable cartridges
- 3 disconnectable fuse-holders

TECHNICAL DATA

| | |
|--|---------------------------|
| Standards: | EN 61439-1 and EN 61439-2 |
| No. of modules of 40CDK enclosure: | 2x12 |
| Degree of protection: | IP65 |
| Insulation class: | Class II |
| Rated voltage of the switch disconnecter (Ue): | 1000V dc |
| Rated current of the switch disconnecter (In): | 32A (4 poles in series) |
| Rated operational voltage of the SPD (Un): | 1000V dc |
| Connection cable section: | 6mm ² |

STRING BOARD EQUIPMENT: cable glands (supplied loose) and equipotential terminal blocks.
NB: DC fuses not supplied.

4 STRINGS - 1000V DC - 32A GW D9908



Pre-wired board for connecting 4 strings of photovoltaic panels to the inverter. It includes:

- watertight enclosure
- 1 rotary switch disconnecter 4-pole
- 1 surge protective device with extractable cartridges
- 4 disconnectable fuse-holders

TECHNICAL DATA

| | |
|--|---------------------------|
| Standards: | EN 61439-1 and EN 61439-2 |
| No. of modules of 40CDK enclosure: | 2x12 |
| Degree of protection: | IP65 |
| Insulation class: | Class II |
| Rated voltage of the switch disconnecter (Ue): | 1000V dc |
| Rated current of the switch disconnecter (In): | 32A (4 poles in series) |
| Rated operational voltage of the SPD (Un): | 1000V dc |
| Connection cable section: | 6mm ² |

STRING BOARD EQUIPMENT: cable glands (supplied loose) and equipotential terminal blocks.
NB: DC fuses not supplied.

MCCB devices

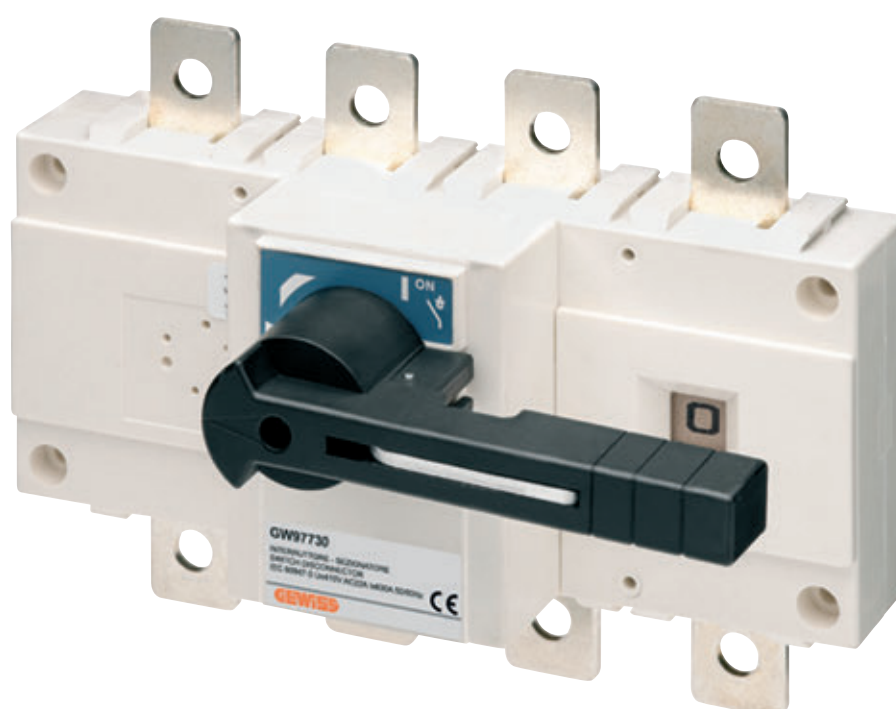
MTX

MOULDED CASE CIRCUIT BREAKERS FOR POWER DISTRIBUTION




97 MSS


ROTARY SWITCH DISCONNECTORS




Selection tables

| | | | MTX 160c | | | | | |
|------------------|-----|--------------------------|---|-----------|-----------|-----------|-----------|--|
| | | |  | | | | | |
| Release | | | In [A] | B (16kA) | | C (25kA) | | |
| | | | 3P | 4P | 3P | 4P | | |
| THERMAL MAGNETIC | TM1 | Magnetic threshold 10 In | 16 | GW D7 001 | GW D7 021 | - | - | |
| | | | 20 | GW D7 002 | GW D7 022 | - | - | |
| | | | 25 | GW D7 003 | GW D7 023 | GW D7 041 | GW D7 051 | |
| | | | 32 | GW D7 004 | GW D7 024 | GW D7 042 | GW D7 052 | |
| | | | 40 | GW D7 005 | GW D7 025 | GW D7 043 | GW D7 053 | |
| | | | 50 | GW D7 006 | GW D7 026 | GW D7 044 | GW D7 054 | |
| | | | 63 | GW D7 007 | GW D7 027 | GW D7 045 | GW D7 055 | |
| | | | 80 | GW D7 008 | GW D7 028 | GW D7 046 | GW D7 056 | |
| | | | 100 | GW D7 009 | GW D7 029 | GW D7 047 | GW D7 057 | |
| | | | 125 | GW D7 010 | GW D7 030 | GW D7 048 | GW D7 058 | |
| | | | 160 | GW D7 011 | GW D7 031 | GW D7 049 | GW D7 059 | |


NOTE: for fixing on DIN EN 50022 profile order following bracket :GW D8 261.


| | | | MTX/E 160 | | | | | | |
|------------------|----------------------------|----------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| | | |  | | | | | | |
| Release | | | In [A] | N (36kA) | | S (50kA) | | H (70kA) | |
| | | | | 3P | 4P | 3P | 4P | 3P | 4P |
| THERMAL MAGNETIC | TM1 | Magnetic threshold 10 In | 10 | GW D7 931 | GW D7 936 | - | - | - | - |
| | | | 16 | GW D7 932 | GW D7 937 | - | - | - | - |
| | | | 20 | GW D7 933 | GW D7 938 | - | - | - | - |
| | | | 25 | GW D7 934 | GW D7 939 | - | - | - | - |
| | GENERATOR PROTECTION - TMG | Magnetic threshold 3 In | 25 | GW D7 081 | GW D7 091 | - | - | - | - |
| | | | 40 | GW D7 082 | GW D7 092 | - | - | - | - |
| | | | 63 | GW D7 083 | GW D7 093 | - | - | - | - |
| | | | 80 | GW D7 084 | GW D7 094 | - | - | - | - |
| | | | 100 | GW D7 085 | GW D7 095 | - | - | - | - |
| | | | 125 | GW D7 086 | GW D7 096 | - | - | - | - |
| | | | 160 | GW D7 087 | GW D7 097 | - | - | - | - |
| ELECTRONIC | SEP/1 | I | 10 | GW D7 146 | GW D7 156 | GW D7 166 | GW D7 176 | GW D7 186 | GW D7 196 |
| | | | 25 | GW D7 147 | GW D7 157 | GW D7 167 | GW D7 177 | GW D7 187 | GW D7 197 |
| | | | 63 | GW D7 148 | GW D7 158 | GW D7 168 | GW D7 178 | GW D7 188 | GW D7 198 |
| | | | 100 | GW D7 149 | GW D7 159 | GW D7 169 | GW D7 179 | GW D7 189 | GW D7 199 |
| | | | 160 | GW D7 150 | GW D7 160 | GW D7 170 | GW D7 180 | GW D7 190 | GW D7 200 |
| | | LS/I | 10 | GW D7 141 | GW D7 151 | GW D7 161 | GW D7 171 | GW D7 181 | GW D7 191 |
| | | | 25 | GW D7 142 | GW D7 152 | GW D7 162 | GW D7 172 | GW D7 182 | GW D7 192 |
| | | | 63 | GW D7 143 | GW D7 153 | GW D7 163 | GW D7 173 | GW D7 183 | GW D7 193 |
| | | | 100 | GW D7 144 | GW D7 154 | GW D7 164 | GW D7 174 | GW D7 184 | GW D7 194 |
| | | | 160 | GW D7 145 | GW D7 155 | GW D7 165 | GW D7 175 | GW D7 185 | GW D7 195 |
| MAGNETIC ONLY | MOTOR PROTECTION - M | Magnetic threshold 13 In | 1 | GW D7 101 | - | GW D7 121 | - | - | - |
| | | | 1,6 | GW D7 102 | - | GW D7 122 | - | - | - |
| | | | 2 | GW D7 103 | - | GW D7 123 | - | - | - |
| | | | 2,5 | GW D7 104 | - | GW D7 124 | - | - | - |
| | | | 3,2 | GW D7 105 | - | GW D7 125 | - | - | - |
| | | | 4 | GW D7 106 | - | GW D7 126 | - | - | - |
| | | | 5 | GW D7 107 | - | GW D7 127 | - | - | - |
| | | | 6,5 | GW D7 108 | - | GW D7 128 | - | - | - |
| | | | 8,5 | GW D7 109 | - | GW D7 129 | - | - | - |
| | | | 11 | GW D7 110 | - | GW D7 130 | - | - | - |
| | | | 12,5 | GW D7 111 | - | GW D7 131 | - | - | - |
| | | Magnetic threshold 6÷12 In | 20 | GW D7 112 | - | GW D7 132 | - | - | - |
| | | | 32 | GW D7 113 | - | GW D7 133 | - | - | - |
| | | | 52 | GW D7 114 | - | GW D7 134 | - | - | - |
| | | | 80 | GW D7 115 | - | GW D7 135 | - | - | - |
| | | | 100 | GW D7 116 | - | GW D7 136 | - | - | - |


NOTE: for fixing on DIN EN 50022 profile order following bracket :GW D8 261.


| | | | | MTX 250 | | | |
|------------------|-------------------------------|----------------------------------|--------|--|-----------|-----------|-----------|
| | | | |  | | | |
| Release | | | In [A] | N (36kA) | | S (50kA) | |
| | | | | 3P | 4P | 3P | 4P |
| THERMAL MAGNETIC | TM1 | Magnetic threshold 10 In | 63 | GW D7 201 | GW D7 211 | GW D7 221 | GW D7 231 |
| | | | 80 | GW D7 202 | GW D7 212 | GW D7 222 | GW D7 232 |
| | | | 100 | GW D7 203 | GW D7 213 | GW D7 223 | GW D7 233 |
| | | | 125 | GW D7 204 | GW D7 214 | GW D7 224 | GW D7 234 |
| | | | 160 | GW D7 205 | GW D7 215 | GW D7 225 | GW D7 235 |
| | | | 200 | GW D7 206 | GW D7 216 | GW D7 226 | GW D7 236 |
| | | | 250 | GW D7 207 | GW D7 217 | GW D7 227 | GW D7 237 |
| THERMAL MAGNETIC | GENERATOR PROTECTION - TMG | Magnetic threshold 3 In | 63 | GW D7 241 | GW D7 251 | GW D7 261 | GW D7 271 |
| | | | 80 | GW D7 242 | GW D7 252 | GW D7 262 | GW D7 272 |
| | | | 100 | GW D7 243 | GW D7 253 | GW D7 263 | GW D7 273 |
| | | | 125 | GW D7 244 | GW D7 254 | GW D7 264 | GW D7 274 |
| | | | 160 | GW D7 245 | GW D7 255 | GW D7 265 | GW D7 275 |
| | | | 200 | GW D7 246 | GW D7 256 | GW D7 266 | GW D7 276 |
| | | | 250 | GW D7 247 | GW D7 257 | GW D7 267 | GW D7 277 |
| MAGNETIC ONLY | MOTOR PROTECTION - M | Magnetic threshold 6÷12 In | 100 | GW D7 281 | - | GW D7 291 | - |
| | | | 125 | GW D7 282 | - | GW D7 292 | - |
| | | | 160 | GW D7 283 | - | GW D7 293 | - |
| | | | 200 | GW D7 284 | - | GW D7 294 | - |







NOTE: for fixing on DIN EN 50022 profile order following bracket :GW D8 262

| | | | | MTX/E 320 | | | | | |
|---------------------|-------|-------------------------------|--------|---|-----------|-----------|-----------|-----------|-----------|
| | | | |  | | | | | |
| Release | | | In [A] | N (36kA) | | S (50kA) | | H (70kA) | |
| | | | | 3P | 4P | 3P | 4P | 3P | 4P |
| THERMAL MAGNETIC | TM2 | Magnetic threshold 5÷10 In | 100 | GW D7 301 | GW D7 311 | GW D7 321 | GW D7 331 | - | - |
| | | | 125 | GW D7 302 | GW D7 312 | GW D7 322 | GW D7 332 | - | - |
| | | | 160 | GW D7 303 | GW D7 313 | GW D7 323 | GW D7 333 | - | - |
| | | | 200 | GW D7 304 | GW D7 314 | GW D7 324 | GW D7 334 | - | - |
| | | | 250 | GW D7 305 | GW D7 315 | GW D7 325 | GW D7 335 | - | - |
| ELECTRONIC | SEP/1 | I | 100 | GW D7 344 | GW D7 364 | GW D7 384 | GW D7 404 | GW D7 424 | GW D7 444 |
| | | | 160 | GW D7 345 | GW D7 365 | GW D7 385 | GW D7 405 | GW D7 425 | GW D7 445 |
| | | | 250 | GW D7 346 | GW D7 366 | GW D7 386 | GW D7 406 | GW D7 426 | GW D7 446 |
| | | | 320 | GW D7 354 | GW D7 374 | GW D7 394 | GW D7 414 | GW D7 434 | GW D7 454 |
| | | LS/I | 100 | GW D7 341 | GW D7 361 | GW D7 381 | GW D7 401 | GW D7 421 | GW D7 441 |
| | | | 160 | GW D7 342 | GW D7 362 | GW D7 382 | GW D7 402 | GW D7 422 | GW D7 442 |
| | | | 250 | GW D7 343 | GW D7 363 | GW D7 383 | GW D7 403 | GW D7 423 | GW D7 443 |
| | | | 320 | GW D7 353 | GW D7 373 | GW D7 393 | GW D7 413 | GW D7 433 | GW D7 453 |
| | SEP/2 | LSI | 100 | GW D7 347 | GW D7 367 | GW D7 387 | GW D7 407 | GW D7 427 | GW D7 447 |
| | | | 160 | GW D7 348 | GW D7 368 | GW D7 388 | GW D7 408 | GW D7 428 | GW D7 448 |
| | | | 250 | GW D7 349 | GW D7 369 | GW D7 389 | GW D7 409 | GW D7 429 | GW D7 449 |
| | | | 320 | GW D7 355 | GW D7 375 | GW D7 395 | GW D7 415 | GW D7 435 | GW D7 455 |
| | | LSIG | 100 | GW D7 350 | GW D7 370 | GW D7 390 | GW D7 410 | GW D7 430 | GW D7 450 |
| | | | 160 | GW D7 351 | GW D7 371 | GW D7 391 | GW D7 411 | GW D7 431 | GW D7 451 |
| | | | 250 | GW D7 352 | GW D7 372 | GW D7 392 | GW D7 412 | GW D7 432 | GW D7 452 |
| | | | 320 | GW D7 356 | GW D7 376 | GW D7 396 | GW D7 416 | GW D7 436 | GW D7 456 |



| | | | MTX/E 630 | | | | | | | | |
|---------------------|-------|----------------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | |  | | | | | | | | |
| Release | | | In [A] | N (36kA) | | S (50kA) | | H (70kA) | | L (120kA) | |
| | | | | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| THERMAL MAGNETIC | TM2 | Magnetic threshold 5÷10 In | 320 | GW D7 501 | GW D7 506 | GW D7 511 | GW D7 516 | GW D7 521 | GW D7 526 | - | - |
| | | | 400 | GW D7 502 | GW D7 507 | GW D7 512 | GW D7 517 | GW D7 522 | GW D7 527 | - | - |
| | | | 500 | GW D7 503 | GW D7 508 | GW D7 513 | GW D7 518 | GW D7 523 | GW D7 528 | - | - |
| ELECTRONIC | SEP/1 | I | 400 | GW D7 534 | GW D7 554 | GW D7 574 | GW D7 594 | GW D7 614 | GW D7 634 | GW D7 654 | GW D7 674 |
| | | | 630 | GW D7 540 | GW D7 560 | GW D7 580 | GW D7 600 | GW D7 620 | GW D7 640 | GW D7 660 | GW D7 680 |
| | | LS/I | 400 | GW D7 532 | GW D7 552 | GW D7 572 | GW D7 592 | GW D7 612 | GW D7 632 | GW D7 652 | GW D7 672 |
| | | | 630 | GW D7 539 | GW D7 559 | GW D7 579 | GW D7 599 | GW D7 619 | GW D7 639 | GW D7 659 | GW D7 679 |
| | SEP/2 | LSI | 400 | GW D7 536 | GW D7 556 | GW D7 576 | GW D7 596 | GW D7 616 | GW D7 636 | GW D7 656 | GW D7 676 |
| | | | 630 | GW D7 541 | GW D7 561 | GW D7 581 | GW D7 601 | GW D7 621 | GW D7 641 | GW D7 661 | GW D7 681 |
| | | LSIG | 400 | GW D7 538 | GW D7 558 | GW D7 578 | GW D7 598 | GW D7 618 | GW D7 638 | GW D7 658 | GW D7 678 |
| | | | 630 | GW D7 542 | GW D7 562 | GW D7 582 | GW D7 602 | GW D7 622 | GW D7 642 | GW D7 662 | GW D7 682 |

| | | | MTX/E 1000 | | | | | | | | |
|---------------------|-------|----------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | |  | | | | | | | | |
| Release | | | In [A] | N (36kA) | | S (50kA) | | H (70kA) | | L (100kA) | |
| | | | | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| THERMAL MAGNETIC | TM2 | Magnetic threshold 5÷10 In | 630 | GW D7 701 | GW D7 706 | GW D7 710 | GW D7 716 | GW D7 721 | GW D7 726 | - | - |
| | | | 800 | GW D7 702 | GW D7 707 | GW D7 711 | GW D7 717 | GW D7 722 | GW D7 727 | - | - |
| ELECTRONIC | SEP/1 | I | 630 | GW D7 732 | GW D7 752 | GW D7 772 | GW D7 792 | GW D7 812 | GW D7 832 | GW D7 852 | GW D7 872 |
| | | | 800 | GW D7 736 | GW D7 756 | GW D7 776 | GW D7 796 | GW D7 816 | GW D7 836 | GW D7 856 | GW D7 876 |
| | | | 1000 | GW D7 740 | GW D7 760 | GW D7 780 | GW D7 800 | GW D7 820 | GW D7 840 | GW D7 860 | GW D7 880 |
| | | LS/I | 630 | GW D7 731 | GW D7 751 | GW D7 771 | GW D7 791 | GW D7 811 | GW D7 831 | GW D7 851 | GW D7 871 |
| | | | 800 | GW D7 735 | GW D7 755 | GW D7 775 | GW D7 795 | GW D7 815 | GW D7 835 | GW D7 855 | GW D7 875 |
| | | | 1000 | GW D7 739 | GW D7 759 | GW D7 779 | GW D7 799 | GW D7 819 | GW D7 839 | GW D7 859 | GW D7 879 |
| | SEP/2 | LSI | 630 | GW D7 733 | GW D7 753 | GW D7 773 | GW D7 793 | GW D7 813 | GW D7 833 | GW D7 853 | GW D7 873 |
| | | | 800 | GW D7 737 | GW D7 757 | GW D7 777 | GW D7 797 | GW D7 817 | GW D7 837 | GW D7 857 | GW D7 877 |
| | | | 1000 | GW D7 741 | GW D7 761 | GW D7 781 | GW D7 801 | GW D7 821 | GW D7 841 | GW D7 861 | GW D7 881 |
| | | LSIG | 630 | GW D7 734 | GW D7 754 | GW D7 774 | GW D7 794 | GW D7 814 | GW D7 834 | GW D7 854 | GW D7 874 |
| | | | 800 | GW D7 738 | GW D7 758 | GW D7 778 | GW D7 798 | GW D7 818 | GW D7 838 | GW D7 858 | GW D7 878 |
| | | | 1000 | GW D7 742 | GW D7 762 | GW D7 782 | GW D7 802 | GW D7 822 | GW D7 842 | GW D7 862 | GW D7 882 |

| | | | MTSE 1600 | | | | | | | |
|------------|-------|------|---|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | | |  | | | | | | | |
| Release | | | In [A] | S (50kA) | | H (65kA) | | L (100kA) | | |
| | | | | 3P | 4P | 3P | 4P | 3P | 4P | |
| ELECTRONIC | SEP/A | I | 1250 | GW 97 601 | GW 97 607 | GW 97 625 | GW 97 631 | GW 97 649 | GW 97 655 | |
| | | | 1600 | GW 97 602 | GW 97 608 | GW 97 626 | GW 97 632 | GW 97 650 | GW 97 656 | |
| | | LI | 1250 | GW 97 604 | GW 97 610 | GW 97 628 | GW 97 634 | GW 97 652 | GW 97 658 | |
| | | | 1600 | GW 97 605 | GW 97 611 | GW 97 629 | GW 97 635 | GW 97 653 | GW 97 659 | |
| | SEP/B | LSI | 1250 | GW 97 613 | GW 97 619 | GW 97 637 | GW 97 643 | GW 97 661 | GW 97 667 | |
| | | | 1600 | GW 97 614 | GW 97 620 | GW 97 638 | GW 97 644 | GW 97 662 | GW 97 668 | |
| | | LSIG | 1250 | GW 97 616 | GW 97 622 | GW 97 640 | GW 97 646 | GW 97 664 | GW 97 670 | |
| | | | 1600 | GW 97 617 | GW 97 623 | GW 97 641 | GW 97 647 | GW 97 665 | GW 97 671 | |

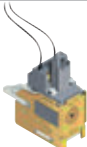

| MTXM SWITCH DISCONNECTOR | | | | | | | | | | | | |
|---|-----------|---|-----------|---|-----------|--|-----------|---|-----------|---|-----------|-----------|
| MTXM 160c | | MTXM 250 | | MTXM 320 | | MTXM 400 - 630 | | MTXM 800 - 1000 | | MTSM 1600 | | |
|  | |  | |  | |  | |  | |  | | |
| In [A] | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| 160 | GW D7 901 | GW D7 902 | - | - | - | - | - | - | - | - | - | - |
| 250 | - | - | GW D7 903 | GW D7 904 | - | - | - | - | - | - | - | - |
| 320 | - | - | - | - | GW D7 905 | GW D7 906 | - | - | - | - | - | - |
| 400 | - | - | - | - | - | - | GW D7 907 | GW D7 908 | - | - | - | - |
| 630 | - | - | - | - | - | - | GW D7 909 | GW D7 910 | - | - | - | - |
| 800 | - | - | - | - | - | - | - | - | GW D7 911 | GW D7 912 | - | - |
| 1000 | - | - | - | - | - | - | - | - | GW D7 913 | GW D7 914 | - | - |
| 1250 | - | - | - | - | - | - | - | - | - | - | GW 97 715 | GW 97 718 |
| 1600 | - | - | - | - | - | - | - | - | - | - | GW 97 716 | GW 97 719 |

NOTE: MTXM 160c and MTXM 250 can be fixed on DIN EN 50022 profile with dedicated bracket

| ADD-ON RESIDUAL CURRENT DEVICES | | | | | |
|--|---|-----------|--|------------------------------|------------------------|
| "L" SHAPED | | | PLACED BELOW | | |
|  | | |  | | |
| Suitable for | MTX/M 160c | MTX/E 160 | MTX/M 250 | MTX/E/M 320 | MTXM 400 - MTX/E/M 630 |
| Versions | For 4P circuit breakers only | | | For 4P circuit breakers only | |
| Instantaneous | GW D8 242 | GW D8 244 | GW D8 246 | - | - |
| Adjustable | GW D8 241 (reduced height) GW D8 243 | GW D8 245 | GW D8 247 | GW D8 248 (up to 500A) | GW D8 249 (up to 500A) |

NB: the L-shaped add-on residual current devices can be fixed on the DIN EN 50022 profile using the specific fixing bracket.

For the add-on residual current device GWD8241, use the fixing bracket GWD8266. For the add-on residual current devices GWD8242, GWD8243, GWD8244 and GWD8245, use the fixing bracket GWD8263. For the add-on residual current devices GWD8246 and GWD8247, use the fixing bracket GWD8264.

| OPENING RELEASES | | | | | | | |
|---|--------------------------|--------------------|-------------|---|--------------------|-------------|----------------------------------|
| SHUNT-TRIP | | | | UNDER VOLTAGE | | | |
|  | | | |  | | | |
| Suitable for | MTX/E/M 160c - 160 - 250 | MTX/E/M 320 - 1000 | MTSE/M 1600 | MTX/E/M 160c - 160 - 250 | MTX/E/M 320 - 1000 | MTSE/M 1600 | |
| Supply voltage | 12V DC | GW D8 101 | - | - | - | - | - |
| | 24-30V AC/DC | GW D8 102 | GW D8 107 | GW 98 260 | GW D8 117 | GW D8 122 | GW 98 281 (ac) GW 98 288 (dc) |
| | 48-60V AC/DC | GW D8 103 | GW D8 108 | GW 98 261 | GW D8 118 | GW D8 123 | GW 98 282 (ac) GW 98 289 (dc) |
| | 127V AC - 125V DC | GW D8 104 | GW D8 109 | GW 98 263 | GW D8 119 | GW D8 124 | GW 98 284 (ac) GW 98 291 (dc) |
| | 240V AC - 250V DC | GW D8 105 | GW D8 110 | GW 98 264 | GW D8 120 | GW D8 125 | GW 98 285 (ac) GW 98 292 (dc) |
| | 380 - 400V AC | GW D8 106 | GW D8 111 | GW 98 265 | GW D8 121 | GW D8 126 | GW 98 286 (ac) |

VERSIONS

PLUG-IN



| Terminals | N. poles | MTX/E 160 | | | MTX/M 250 | | |
|----------------------|----------|-----------|---|-----------|-----------|---|-----------|
| Front | 3P | GW D8 001 | + | GW D8 051 | GW D8 003 | + | GW D8 053 |
| F | 4P | GW D8 002 | + | GW D8 052 | GW D8 004 | + | GW D8 054 |
| Extended Front | 3P | - | | | - | | |
| EF | 4P | - | | | - | | |
| Rear vertical flat | 3P | - | | | - | | |
| VR | 4P | - | | | - | | |
| Rear horizontal flat | 3P | - | | | - | | |
| HR | 4P | - | | | - | | |

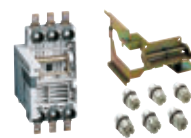
WITHDRAWABLE



| Terminals | N. poles | MTX/E/M 320 | | | | | MTX/M 400 MTX/E 630 (400A) | | | | |
|----------------------|----------|-------------|---|-----------|---|-----------|-------------------------------|---|-----------|---|-----------|
| Extended Front | 3P | GW D8 007 | + | GW D8 079 | + | GW D8 066 | GW D8 009 | + | GW D8 080 | + | GW D8 068 |
| EF | 4P | GW D8 008 | + | GW D8 079 | + | GW D8 067 | GW D8 010 | + | GW D8 080 | + | GW D8 069 |
| Rear vertical flat | 3P | GW D8 015 | + | GW D8 079 | + | GW D8 066 | GW D8 017 | + | GW D8 080 | + | GW D8 068 |
| VR | 4P | GW D8 016 | + | GW D8 079 | + | GW D8 067 | GW D8 018 | + | GW D8 080 | + | GW D8 069 |
| Rear horizontal flat | 3P | GW D8 023 | + | GW D8 079 | + | GW D8 066 | GW D8 025 | + | GW D8 080 | + | GW D8 068 |
| HR | 4P | GW D8 024 | + | GW D8 079 | + | GW D8 067 | GW D8 026 | + | GW D8 080 | + | GW D8 069 |

VERSIONS
PLUG-IN





| MTX/E/M 320 | | | MTX/M 400 MTX/E 630 (400A) | | | MTX/E/M 630 (500/630A) | | |
|-------------|---|-----------|-------------------------------|---|-----------|---------------------------|---|-----------|
| - | | | - | | | - | | |
| - | | | - | | | - | | |
| GW D8 007 | + | GW D8 055 | GW D8 009 | + | GW D8 057 | GW D8 011 | + | GW D8 059 |
| GW D8 008 | + | GW D8 056 | GW D8 010 | + | GW D8 058 | GW D8 012 | + | GW D8 060 |
| GW D8 015 | + | GW D8 055 | GW D8 017 | + | GW D8 057 | GW D8 019 | + | GW D8 059 |
| GW D8 016 | + | GW D8 056 | GW D8 018 | + | GW D8 058 | GW D8 020 | + | GW D8 060 |
| GW D8 023 | + | GW D8 055 | GW D8 025 | + | GW D8 057 | GW D8 027 | + | GW D8 059 |
| GW D8 024 | + | GW D8 056 | GW D8 026 | + | GW D8 058 | GW D8 028 | + | GW D8 060 |

WITHDRAWABLE


| MTX/E/M 630 (500/630A) | | | | | MTXM 800 MTX/E/M 1000 (800A) | | | MTSE/M 1600 | | |
|---------------------------|---|-----------|---|-----------|---------------------------------|---|-----------|-------------|---|-----------|
| GW D8 011 | + | GW D8 080 | + | GW D8 070 | GW D8 031 | + | GW D8 072 | GW 98 221 | + | GW 98 227 |
| GW D8 012 | + | GW D8 080 | + | GW D8 071 | GW D8 032 | + | GW D8 073 | GW 98 222 | + | GW 98 228 |
| GW D8 019 | + | GW D8 080 | + | GW D8 070 | GW D8 038 | + | GW D8 072 | GW 98 223 | + | GW 98 227 |
| GW D8 020 | + | GW D8 080 | + | GW D8 071 | GW D8 039 | + | GW D8 073 | GW 98 224 | + | GW 98 228 |
| GW D8 027 | + | GW D8 080 | + | GW D8 070 | GW D8 045 | + | GW D8 072 | GW 98 225 | + | GW 98 227 |
| GW D8 028 | + | GW D8 080 | + | GW D8 071 | GW D8 046 | + | GW D8 073 | GW 98 226 | + | GW 98 228 |

MTX - Moulded-case circuit breakers

Technical data

| | | | | MTX 160c | | MTX 160 - MTXE 160 | | | MTX 250 | |
|---|--|--|--|---|--|--|--|--|---|--|
| | | | |  | |  | | |  | |
| Standard | | | | IEC 60947-2 | | IEC 60947-2 | | | IEC 60947-2 | |
| Continuous rated current (Iu) | | | | (A) | | 160 | | | 250 | |
| No. of poles | | | | 3-4 | | 3-4 | | | 3-4 | |
| Rated operational voltage (Ue) | | | | (AC) 50-60Hz | | 690 | | | 690 | |
| | | | | (DC) | | 500 | | | 500 | |
| Rated impulse withstand voltage (Uimp) | | | | (kV) | | 8 | | | 8 | |
| Overvoltage category | | | | IV | | IV | | | IV | |
| Rated insulation voltage (Ui) | | | | (V) | | 800 | | | 800 | |
| Test voltage at industrial frequency for 1 min. | | | | 3000 | | 3000 | | | 3000 | |
| Short-circuit breaking capacity (Icu) | | | | B | | C | | | N | |
| (AC) 50-60 Hz 220/230V | | | | (kA) | | 25 | | | S | |
| (AC) 50-60 Hz 380/415V | | | | (kA) | | 16 | | | H | |
| (AC) 50-60 Hz 440V | | | | (kA) | | 10 | | | N | |
| (AC) 50-60 Hz 500V | | | | (kA) | | 8 | | | S | |
| (AC) 50-60 Hz 690V | | | | (kA) | | 3 | | | N | |
| (DC) 250V - 2 poles in series | | | | (kA) | | 16 | | | S | |
| (DC) 250V - 3 poles in series | | | | (kA) | | 20 | | | S | |
| (DC) 500V - 2 poles in series | | | | (kA) | | - | | | S | |
| (DC) 500V - 3 poles in series | | | | (kA) | | 16 | | | S | |
| (DC) 750V - 3 poles in series | | | | (kA) | | - | | | S | |
| Service short-circuit breaking capacity (Ics) | | | | | | | | | | |
| (AC) 50-60 Hz 380/415V | | | | (kA) | | 100% | | | 75% | |
| (AC) 50-60 Hz 440V | | | | (kA) | | 100% | | | 75% | |
| (AC) 50-60 Hz 500V | | | | (kA) | | 100% | | | 75% | |
| (AC) 50-60 Hz 690V | | | | (kA) | | 100% | | | 75% | |
| Rated short-circuit making capacity Icm (415V) | | | | (kA) | | 32 | | | 75.6 | |
| Opening time (415V at Icu) | | | | (ms) | | 7 | | | 7 | |
| Utilisation category (IEC 60947-2) | | | | A | | A | | | A | |
| Suitable for isolation | | | | ■ | | ■ | | | ■ | |
| Thermomagnetic release for power distribution | | | | T adjustable, M fixed | | TM1 | | | ■ | |
| | | | | T adjustable, M adjustable (5..10 x In) | | TM2 | | | ■ | |
| Thermomagnetic release for generator protection | | | | T adjustable, M fixed (3 x In) | | TMG | | | ■ | |
| Magnetic release for motor protection | | | | M | | ■ | | | ■ | |
| Electronic release for power distribution | | | | SEP/1 | | ■ | | | | |
| | | | | SEP/2 | | | | | | |
| Versions | | | | F | | F - P | | | F - P | |
| Fixed (F) | | | | FC Cu - EF - FC CuAl - HR | | F - FC Cu - FC CuAl EF - ES - R | | | F - FC Cu - FC CuAl EF - ES - R | |
| Terminals | | | | - | | F - FC Cu - FC CuAl EF - ES - R | | | F - FC Cu - FC CuAl EF - ES - R | |
| Withdrawable (W) | | | | - | | - | | | - | |
| Fixing on DIN profile | | | | DIN EN 50022 | | DIN EN 50022 | | | DIN EN 50022 | |
| Mechanical endurance (No. of total operations / No. hourly operations) | | | | 25000 / 240 | | 25000 / 240 | | | 25000 / 240 | |
| Electrical endurance (415V) (No. of total operations / No. hourly operations) | | | | 8000 / 120 | | 8000 / 120 | | | 8000 / 120 | |
| Standard dimensions, fixed 3/4 poles | | | | L (mm) | | 76 / 102 | | | 105 / 140 | |
| | | | | D (mm) | | 70 | | | 70 | |
| | | | | H (mm) | | 130 | | | 150 | |
| Operating temperature (°C) | | | | -25 +70 | | -25 +70 | | | -25 +70 | |
| Weight | | | | Fixed (F) 3 / 4 P (kg) | | 0.9 / 1.2 | | | 1.5 / 2 | |
| | | | | Plug-in (P) 3 / 4 P (kg) | | - | | | 2.7 / 3.7 | |
| | | | | Withdrawable (W) 3 / 4 P (kg) | | - | | | - | |

Version key:





F - Fixed
P - Plug-in
W - Withdrawable

Terminals key:

F = Front
EF = Extended front
ES = Extended divaricated front

FC Cu = Front for copper cables
FC CuAl = Front for copper or aluminium cables
R = Rear threaded

HR = Rear horizontal flat
VR = Rear vertical flat
MC = multi-cable

| MTX 320 - MTXE 320 | | | | MTX 630 - MTXE 630 | | | | MTX 1000 - MTXE 1000 | | | | MTSE 1600 | | |
|---|------|------|------|---|------|-------------------|-------------------|--|------|------|-----|---|-----|-----|
|  | | | |  | | | |  | | | |  | | |
| IEC 60947-2 | | | | IEC 60947-2 | | | | IEC 60947-2 | | | | IEC 60947-2 | | |
| 250 / 320 | | | | 400 / 630 | | | | 630/800/1000 | | | | 1250 / 1600 | | |
| 3-4 | | | | 3-4 | | | | 3-4 | | | | 3-4 | | |
| 690 | | | | 690 | | | | 690 | | | | 690 | | |
| 750 | | | | 750 | | | | 750 | | | | - | | |
| 8 | | | | 8 | | | | 8 | | | | 8 | | |
| IV | | | | IV | | | | IV | | | | IV | | |
| 1000 | | | | 1000 | | | | 1000 | | | | 800 | | |
| 3500 | | | | 3500 | | | | 3500 | | | | 3000 | | |
| N | S | H | L | N | S | H | L | N | S | H | L | S | H | L |
| 70 | 85 | 100 | 200 | 70 | 85 | 100 | 200 | 70 | 85 | 100 | 200 | 85 | 100 | 200 |
| 36 | 50 | 70 | 120 | 36 | 50 | 70 | 120 | 36 | 50 | 70 | 100 | 50 | 65 | 100 |
| 30 | 40 | 65 | 100 | 30 | 40 | 65 | 100 | 30 | 45 | 50 | 80 | 40 | 55 | 80 |
| 25 | 30 | 50 | 85 | 25 | 30 | 50 | 85 | 25 | 35 | 50 | 65 | 35 | 45 | 70 |
| 20 | 25 | 40 | 70 | 20 | 25 | 40 | 70 | 20 | 22 | 25 | 30 | 20 | 25 | 35 |
| 36 | 50 | 70 | 100 | 36 | 50 | 70 | 100 | 36 | 50 | 70 | 100 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 25 | 36 | 50 | 70 | 25 | 36 | 50 | 70 | 20 | 35 | 50 | 65 | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 16 | 25 | 36 | 50 | 16 | 25 | 36 | 50 | 16 | 20 | 36 | 50 | - | - | - |
| 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 75% | 100% | 75% | 50% |
| 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 75% | 100% | 75% | 50% |
| 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% ¹ | 100% | 100% | 100% | 75% | 100% | 75% | 50% |
| 100% | 100% | 100% | 100% | 100% | 100% | 100% ¹ | 100% ² | 75% | 75% | 75% | 75% | 100% | 75% | 50% |
| 75.6 | 105 | 154 | 264 | 75.6 | 105 | 154 | 264 | 75.6 | 105 | 154 | 220 | 105 | 143 | 220 |
| 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 10 | 9 | 8 | 7 | 22 | 22 | 22 |
| A | | | | B (400A) ⁵ - A (630 A) | | | | B (630-800 A) ⁵ - A (1000 A) | | | | B ⁷ | | |
| ■ | | | | ■ | | | | ■ | | | | ■ | | |
| ■ | | | | ■ | | | | ■ | | | | | | |
| ■ | | | | ■ | | | | ■ | | | | | | |
| ■ | | | | ■ | | | | ■ | | | | | | |
| ■ | | | | ■ | | | | ■ | | | | (SEP/A) ■ | | |
| ■ | | | | ■ | | | | ■ | | | | (SEP/B) ■ | | |
| F - P - W | | | | F - P - W | | | | F - W ³ | | | | F - W | | |
| F - FC Cu - FC CuAl EF - ES - R - MC | | | | F - FC CuAl EF - ES - R - RC | | | | F - FC CuAl EF - ES - R - RC | | | | F - FC CuAl (1250A) EF - ES - HR - VR | | |
| EF - ES - HR - VR FC Cu - FC CuAl | | | | EF - ES - HR - VR FC Cu - FC CuAl | | | | - | | | | - | | |
| EF - ES - HR - VR FC Cu - FC CuAl | | | | EF - ES - HR - VR FC Cu - FC CuAl | | | | EF ⁴ - HR - VR | | | | EF - HR - VR | | |
| - | | | | - | | | | - | | | | - | | |
| 20000 / 240 | | | | 20000 / 120 | | | | 20000 / 120 | | | | 10000 / 120 | | |
| 8000 / 120 (250A) 6000 / 120 (320A) | | | | 7000 / 60 (400A) 5000 / 60 (630A) | | | | 7000 / 60 (630A) 5000 / 60 (800A) 4000 / 60 (1000A) | | | | 7000 / 20 (1250A) 5000 / 20 (1600A) | | |
| 105 / 140 | | | | 140 / 184 | | | | 210 / 280 | | | | 210 / 280 | | |
| 103.5 | | | | 103.5 | | | | 103.5 | | | | 138.5 | | |
| 205 | | | | 205 | | | | 268 | | | | 406 | | |
| -25 +70 | | | | -25 +70 | | | | -25 +70 | | | | -25 +70 | | |
| 2.35 / 3.05 | | | | 3.25 / 4.15 | | | | 9.5 / 12 | | | | 17 / 22 | | |
| 3.6 / 4.65 | | | | 5.15 / 6.65 | | | | - | | | | - | | |
| 3.85 / 4.9 | | | | 5.4 / 6.9 | | | | 12.1 / 15.1 | | | | 21.8 / 29.2 | | |

Notes:




- 1 - 75% for In=630A
2 - 50% for In=630A
3 - Not available for In=1000A

- 4 - The EF terminals are supplied with the circuit breaker in the version In=1000A
5 - Icw=5kA
6 - Icw=7.6kA (630A) - 10kA (800A)
7 - Icw=15kA (1250A) - 20kA (1600A)

In the plug-in assembly of MTX/E 160, MTX 250 and MTX/E 630 (630A), and in the withdrawable assembly of MTX/E 630 (630A), the maximum calibration is derated by 10% to 40°C

MTXM - Switch disconnectors

Technical data

| | | | | MTXM 160 c | MTXM 250 | MTXM 320 | |
|--|--------------------------|---------|------|---|---|---|--|
| | | | |  |  |  | |
| Standard | | | | IEC 60947-3 | IEC 60947-3 | IEC 60947-3 | |
| Conventional thermal current (Ith) | | (A) | | 160 | 250 | 320 | |
| Rated operating current in category AC22 (Ie) | | (A) | | 160 | 250 | 320 | |
| Rated operating current in category AC23 (Ie) | | (A) | | 125 | 200 | 250 | |
| No. of poles | | | | 3-4 | 3-4 | 3-4 | |
| Rated operational voltage (Ue) | (AC) 50-60Hz | (V) | | 690 | 690 | 690 | |
| | (DC) | (V) | | 500 | 500 | 750 | |
| Rated impulse withstand voltage (Uimp) | | (kV) | | 8 | 8 | 8 | |
| Overvoltage category | | | | IV | IV | IV | |
| Rated insulation voltage (Ui) | | (V) | | 800 | 800 | 800 | |
| Test voltage at industrial frequency for 1 min. | | (V) | | 3000 | 3000 | 3000 | |
| Rated short-circuit making capacity (Icm) | | (kA) | | 2.8 | 5.3 | 5.3 | |
| Brief allowable rated current for 1s (Icw) | | (kA) | | 2 | 3.6 | 3.6 | |
| Versions | | | | F | F - P | F - P - W | |
| Terminals | | | | FC Cu - EF - FC CuAl | F - FC CuAl - FC Cu - EF - ES - R | F - FC CuAl - FC Cu - EF - ES - R - MC - HR - VR | |
| Mechanical endurance (no. of manoeuvres / operations per hour) | | | | 25000 / 120 | 25000 / 120 | 20000 / 120 | |
| Standard dimensions, fixed, 3/4 poles | L | (mm) | | 76 / 102 | 105 / 140 | 105 / 140 | |
| | D | (mm) | | 70 | 70 | 103.5 | |
| | H | (mm) | | 130 | 150 | 205 | |
| Operating temperature | | (°C) | | -25 +70 | -25 +70 | -25 +70 | |
| Weight | Fixed (F) | 3 / 4 P | (kg) | 0.9 / 1.2 | 1.5 / 2 | 2.35 / 3.05 | |
| | Plug-in version (P) | 3 / 4 P | (kg) | / | 2.1 / 3.7 | 3.6 / 4.65 | |
| | Withdrawable version (W) | 3 / 4 P | (kg) | / | / | 3.85 / 4.9 | |

Version key:

F - Fixed
P - Plug-in
W - Withdrawable






Terminals key:

F = Front
EF = Extended front
ES = Extended divaricated front
FC Cu = Front for copper cables
FC CuAl = Front for copper or aluminium cables
R = Rear threaded
HR = Rear horizontal flat
VR = Rear vertical flat
MC = multi-cable

COORDINATION BETWEEN SWITCH DISCONNECTORS AND MCCB'S - 380/415V a.c.

MCCB'S




| RANGE | | MTX 160c | | MTX 160 - MTXE 160 | | | MTX 250 | | MTX 320 - MTXE 320 | | | | MTX 630 - MTXE 630 (400A) | | | |
|----------------------|-----------|----------|----|--------------------|----|----|---------|----|--------------------|----|----|-----|---------------------------|----|----|-----|
| Icu (kA) | | 16 | 25 | 36 | 50 | 70 | 36 | 50 | 36 | 50 | 70 | 120 | 36 | 50 | 70 | 120 |
| SWITCH DISCONNECTORS | MTXM 160c | 16 | 25 | 36 | 50 | 70 | - | - | - | - | - | - | - | - | - | - |
| | MTXM 250 | - | - | - | - | - | 36 | 50 | 36 | 50 | 70 | 120 | - | - | - | - |
| | MTXM 320 | - | - | - | - | - | - | - | 36 | 50 | 70 | 120 | - | - | - | - |
| | MTXM 400 | - | - | - | - | - | - | - | - | - | - | - | 36 | 50 | 70 | 120 |
| | MTXM 630 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | MTXM 800 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | MTXM 1000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | MTSM 1600 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

| | MTXM 400 | MTXM 630 | MTXM 800 | MTXM 1000 | MTSM 1600 |
|--|---|---|---|---|---|
| |  |  |  |  |  |
| | IEC 60947-3 | IEC 60947-3 | IEC 60947-3 | IEC 60947-3 | IEC 60947-3 |
| | 400 | 630 | 800 | 1000 | 1250 / 1600 |
| | 400 | 630 | 800 | 1000 | 1250 / 1600 |
| | 400 | 400 | 800 | 800 | / |
| | 3-4 | 3-4 | 3-4 | 3-4 | 3-4 |
| | 690 | 690 | 690 | 690 | 690 |
| | 750 | 750 | 750 | 750 | 750 |
| | 8 | 8 | 8 | 8 | 8 |
| | IV | IV | IV | IV | IV |
| | 800 | 800 | 1000 | 1000 | 800 |
| | 3000 | 3000 | 3500 | 3500 | 3000 |
| | 11 | 11 | 30 | 30 | 52.5 |
| | 6 | 6 | 15 | 15 | 25 |
| | F - P - W | F - P - W | F - W | F | F - W |
| | F - FC CuAl - FC Cu - EF - ES - R - HR - VR | F - FC CuAl - FC Cu - EF - ES - R - HR - VR | F - FC CuAl - EF - ES - R - RC | F - FC CuAl - EF - ES - R - RC | F - EF - FC CuAl (1250) - HR - VR |
| | 20000 / 120 | 20000 / 120 | 20000 / 120 | 20000 / 120 | 1000 / 120 |
| | 140 / 184 | 140 / 184 | 210 / 280 | 210 / 280 | 210 / 280 |
| | 103.5 | 103.5 | 103.5 | 103.5 | 138.5 |
| | 205 | 205 | 268 | 268 | 406 |
| | -25 +70 | -25 +70 | -25 +70 | -25 +70 | -25 +70 |
| | 3.25 / 4.15 | 3.25 / 4.15 | 9.5 / 12 | 9.5 / 12 | 17 / 22 |
| | 5.15 / 6.65 | 5.15 / 6.65 | / | / | / |
| | 5.4 / 6.9 | 5.4 / 6.9 | 12.1 / 15.1 | / | 21.8 / 29.2 |

| COORDINATION BETWEEN SWITCH DISCONNECTORS AND MCCB'S - 380/415V a.c. | | | | | | | | | | | | | | | |
|--|----|----|-----|-----------------------------|----|----|-----|-------------------|----|----|-----|-----------|----|-----|---|
| MCCB'S | | | | | | | | | | | | | | | |
| MTXE 630 (630A) | | | | MTX 1000 - MTXE 1000 (800A) | | | | MTXE 1000 (1000A) | | | | MTSE 1600 | | | |
| 36 | 50 | 70 | 120 | 36 | 50 | 70 | 100 | 36 | 50 | 70 | 100 | 50 | 65 | 100 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 36 | 50 | 70 | 120 | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | 36 | 50 | 70 | 100 | 36 | 50 | 70 | 100 | - | - | - | - |
| - | - | - | - | - | - | - | - | 36 | 50 | 70 | 100 | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | 50 | 65 | 100 | |

ADD-ON RCD for MTX/M

Technical data

| TYPE | BDI (instantaneous) | BDR (adjustable) | |
|--|---|--|---|
| |  |  |  |
| Suitable for | MTX/M 160c - MTX/E160 MTX/M 250 | MTX/M 160c - MTX/E160 MTX/M 250 | MTX/E/M 320 - MTXM 400 MTX/E/M 630 |
| Type | "L"-shaped | "L"-shaped | Placed below |
| Technology | Electronic | Electronic | Electronic |
| Action | Solenoid | Solenoid | Solenoid |
| Primary operating voltage ⁽¹⁾ | (V) 85...500 | 85...500 | 85...500 |
| Operating frequency | (Hz) 45...66 | 45...66 | 45...66 |
| Self-powered | Yes | Yes | Yes |
| Test operation range ⁽¹⁾ | (V) 85...500 | 85...500 | 85...500 |
| Rated operating current | (A) Up to 250 | Up to 250 | Up to 500 |
| Adjustable tripping thresholds | (A) 0.03 - 0.1 - 0.3 - 0.5 - 1 - 3 | 0.03 - 0.05 - 0.1 - 0.3 - 0.5 - 1 - 3 - 5 - 10 | 0.03 - 0.05 - 0.1 - 0.3 - 0.5 - 1 - 3 - 5 - 10 |
| Adjustable tripping times | (s) Instantaneous | Instantaneous 0.1 - 0.2 - 0.3 - 0.5 - 1 - 2 - 3 | Instantaneous 0.1 - 0.2 - 0.3 - 0.5 - 1 - 2 - 3 |
| Tolerance for tripping time | | ± 20% | ± 20% |
| Absorbed power ⁽²⁾ | < 8W at 400V AC | < 10W at 400V AC | < 10W at 400V AC |
| Local tripping signalling | ■ | ■ | ■ |
| Change-over contact for tripping signalling | ■ | ■ | ■ |
| Input for remote opening | | ■ | ■ |
| NO contact for pre-alarm signalling | | ■ | ■ |
| NO contact for alarm signalling | | ■ | ■ |
| Pre-alarm indication at 25% I _{dn} (tolerance ±3%) | ■ | ■ | ■ |
| Timed alarm indication at 75% I _{dn} (tolerance ±3%) | ■ | ■ | ■ |
| A type for alternating and pulsating current AC type only for alternating current | ■ | ■ | ■ |
| AE type with remote release | | ■ | ■ |
| S type (selective) | | ■ | ■ |
| Button key for insulation test | ■ | ■ | ■ |
| Power supply from above or below | ■ | ■ | ■ |
| Kit for converting circuit breaker with RCCB from fixed to plug-in | | ■ | ■ |

⁽¹⁾ Operation up to 50V phase-neutral

⁽²⁾ The absorbed power values may be lower when the power supply voltage values are lower

MTX

Moulded case circuit breakers for power distribution

The MTX range represents the ideal solution for industrial and advanced commercial systems thanks to its considerable potential in terms of adjustment (from 1 to 1600 A) and breaking capacity (from 16 to 120 kA), with rated voltage up to 690 V. The range is completed with a wide choice of accessories for all system requirements and offers total integration with boards of the 47 CVX range.



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MTX 160C - MCCB'S UP TO 160 A

MTX 160C - MCCB'S - B TYPE - 16 KA



GW D7 031

| TM1 RELEASE (IM=10IN) | | |
|-----------------------|---------------|-------------|
| Code | Rated current | Pack Carton |
| No. of poles: 3P | | |
| GW D7 001 | 16 A | 1 |
| GW D7 002 | 20 A | 1 |
| GW D7 003 | 25 A | 1 |
| GW D7 004 | 32 A | 1 |
| GW D7 005 | 40 A | 1 |
| GW D7 006 | 50 A | 1 |
| GW D7 007 | 63 A | 1 |
| GW D7 008 | 80 A | 1 |
| GW D7 009 | 100 A | 1 |
| GW D7 010 | 125 A | 1 |
| GW D7 011 | 160 A | 1 |
| No. of poles: 4P | | |
| GW D7 021 | 16 A | 1 |
| GW D7 022 | 20 A | 1 |
| GW D7 023 | 25 A | 1 |
| GW D7 024 | 32 A | 1 |
| GW D7 025 | 40 A | 1 |
| GW D7 026 | 50 A | 1 |
| GW D7 027 | 63 A | 1 |
| GW D7 028 | 80 A | 1 |
| GW D7 029 | 100 A | 1 |
| GW D7 030 | 125 A | 1 |
| GW D7 031 | 160 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.
The space taken up on the EN 50022 DIN rail is approximately 4 modules for the 3P versions and 6 modules for the 4P versions.
ACCESSORIES SUPPLIED: supplied with front terminals for copper cables (FC Cu).

MTX 160C - MCCB'S - C TYPE - 25 KA



GW D7 059

| TM1 RELEASE (IM=10IN) | | |
|-----------------------|---------------|-------------|
| Code | Rated current | Pack Carton |
| No. of poles: 3P | | |
| GW D7 041 | 25 A | 1 |
| GW D7 042 | 32 A | 1 |
| GW D7 043 | 40 A | 1 |
| GW D7 044 | 50 A | 1 |
| GW D7 045 | 63 A | 1 |
| GW D7 046 | 80 A | 1 |
| GW D7 047 | 100 A | 1 |
| GW D7 048 | 125 A | 1 |
| GW D7 049 | 160 A | 1 |
| No. of poles: 4P | | |
| GW D7 051 | 25 A | 1 |
| GW D7 052 | 32 A | 1 |
| GW D7 053 | 40 A | 1 |
| GW D7 054 | 50 A | 1 |
| GW D7 055 | 63 A | 1 |
| GW D7 056 | 80 A | 1 |
| GW D7 057 | 100 A | 1 |
| GW D7 058 | 125 A | 1 |
| GW D7 059 | 160 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.
The space taken up on the EN 50022 DIN rail is approximately 4 modules for the 3P versions and 6 modules for the 4P versions.
ACCESSORIES SUPPLIED: supplied with front terminals for copper cables (FC Cu).

MTX 160 / MTXE 160 - MCCB'S UP TO 160 A

MTX 160 - MCCB'S - N TYPE - 36 KA



GW D7 938

TM1 RELEASE (IM=10IN)

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 931 | 10 A | 1 |
| GW D7 932 | 16 A | 1 |
| GW D7 933 | 20 A | 1 |
| GW D7 934 | 25 A | 1 |
| No. of poles: 4P | | |
| GW D7 936 | 10 A | 1 |
| GW D7 937 | 16 A | 1 |
| GW D7 938 | 20 A | 1 |
| GW D7 939 | 25 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.

The space taken up on the EN 50022 DIN rail is approximately 5 modules for the 3P versions and 7 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 160 - MCCB'S FOR GENERATOR PROTECTION - N TYPE - 36 KA



GW D7 094

TMG RELEASE (IM=3IN)

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 081 | 25 A | 1 |
| GW D7 082 | 40 A | 1 |
| GW D7 083 | 63 A | 1 |
| GW D7 084 | 80 A | 1 |
| GW D7 085 | 100 A | 1 |
| GW D7 086 | 125 A | 1 |
| GW D7 087 | 160 A | 1 |
| No. of poles: 4P | | |
| GW D7 091 | 25 A | 1 |
| GW D7 092 | 40 A | 1 |
| GW D7 093 | 63 A | 1 |
| GW D7 094 | 80 A | 1 |
| GW D7 095 | 100 A | 1 |
| GW D7 096 | 125 A | 1 |
| GW D7 097 | 160 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.

The space taken up on the EN 50022 DIN rail is approximately 5 modules for the 3P versions and 7 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 160 - MCCB'S WITH ELECTRONIC RELEASE - N TYPE - 36 KA



GW D7 155

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 146 | I | 10 A | SEP/1 | 1 |
| GW D7 147 | I | 25 A | SEP/1 | 1 |
| GW D7 148 | I | 63 A | SEP/1 | 1 |
| GW D7 149 | I | 100 A | SEP/1 | 1 |
| GW D7 150 | I | 160 A | SEP/1 | 1 |
| GW D7 141 | L S / I | 10 A | SEP/1 | 1 |
| GW D7 142 | L S / I | 25 A | SEP/1 | 1 |
| GW D7 143 | L S / I | 63 A | SEP/1 | 1 |
| GW D7 144 | L S / I | 100 A | SEP/1 | 1 |
| GW D7 145 | L S / I | 160 A | SEP/1 | 1 |
| No. of poles: 4P | | | | |
| GW D7 156 | I | 10 A | SEP/1 | 1 |
| GW D7 157 | I | 25 A | SEP/1 | 1 |
| GW D7 158 | I | 63 A | SEP/1 | 1 |
| GW D7 159 | I | 100 A | SEP/1 | 1 |
| GW D7 160 | I | 160 A | SEP/1 | 1 |
| GW D7 151 | L S / I | 10 A | SEP/1 | 1 |
| GW D7 152 | L S / I | 25 A | SEP/1 | 1 |
| GW D7 153 | L S / I | 63 A | SEP/1 | 1 |
| GW D7 154 | L S / I | 100 A | SEP/1 | 1 |
| GW D7 155 | L S / I | 160 A | SEP/1 | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.

The space taken up on the EN 50022 DIN rail is approximately 5 modules for the 3P versions and 7 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 160 - MCCB'S WITH ELECTRONIC RELEASE - S TYPE - 50 KA



GW D7 175

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 166 | I | 10 A | SEP/1 | 1 |
| GW D7 167 | I | 25 A | SEP/1 | 1 |
| GW D7 168 | I | 63 A | SEP/1 | 1 |
| GW D7 169 | I | 100 A | SEP/1 | 1 |
| GW D7 170 | I | 160 A | SEP/1 | 1 |
| GW D7 161 | L S / I | 10 A | SEP/1 | 1 |
| GW D7 162 | L S / I | 25 A | SEP/1 | 1 |
| GW D7 163 | L S / I | 63 A | SEP/1 | 1 |
| GW D7 164 | L S / I | 100 A | SEP/1 | 1 |
| GW D7 165 | L S / I | 160 A | SEP/1 | 1 |
| No. of poles: 4P | | | | |
| GW D7 176 | I | 10 A | SEP/1 | 1 |
| GW D7 177 | I | 25 A | SEP/1 | 1 |
| GW D7 178 | I | 63 A | SEP/1 | 1 |
| GW D7 179 | I | 100 A | SEP/1 | 1 |
| GW D7 180 | I | 160 A | SEP/1 | 1 |
| GW D7 171 | L S / I | 10 A | SEP/1 | 1 |
| GW D7 172 | L S / I | 25 A | SEP/1 | 1 |
| GW D7 173 | L S / I | 63 A | SEP/1 | 1 |
| GW D7 174 | L S / I | 100 A | SEP/1 | 1 |
| GW D7 175 | L S / I | 160 A | SEP/1 | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.

The space taken up on the EN 50022 DIN rail is approximately 5 modules for the 3P versions and 7 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 160 - MCCB'S WITH ELECTRONIC RELEASE - H TYPE - 70 KA



GW D7 195

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 186 | I | 10 A | SEP/1 | 1 |
| GW D7 187 | I | 25 A | SEP/1 | 1 |
| GW D7 188 | I | 63 A | SEP/1 | 1 |
| GW D7 189 | I | 100 A | SEP/1 | 1 |
| GW D7 190 | I | 160 A | SEP/1 | 1 |
| GW D7 181 | L S / I | 10 A | SEP/1 | 1 |
| GW D7 182 | L S / I | 25 A | SEP/1 | 1 |
| GW D7 183 | L S / I | 63 A | SEP/1 | 1 |
| GW D7 184 | L S / I | 100 A | SEP/1 | 1 |
| GW D7 185 | L S / I | 160 A | SEP/1 | 1 |
| No. of poles: 4P | | | | |
| GW D7 196 | I | 10 A | SEP/1 | 1 |
| GW D7 197 | I | 25 A | SEP/1 | 1 |
| GW D7 198 | I | 63 A | SEP/1 | 1 |
| GW D7 199 | I | 100 A | SEP/1 | 1 |
| GW D7 200 | I | 160 A | SEP/1 | 1 |
| GW D7 191 | L S / I | 10 A | SEP/1 | 1 |
| GW D7 192 | L S / I | 25 A | SEP/1 | 1 |
| GW D7 193 | L S / I | 63 A | SEP/1 | 1 |
| GW D7 194 | L S / I | 100 A | SEP/1 | 1 |
| GW D7 195 | L S / I | 160 A | SEP/1 | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.

The space taken up on the EN 50022 DIN rail is approximately 5 modules for the 3P versions and 7 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 160 - MCCB'S WITH MAGNETIC RELEASE FOR GENERATOR PROTECTION - N TYPE - 36 KA



GW D7 116

ONLY MAGNETIC RELEASE - M

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 101 | 1 A | 1 |
| GW D7 102 | 1.6 A | 1 |
| GW D7 103 | 2 A | 1 |
| GW D7 104 | 2.5 A | 1 |
| GW D7 105 | 3.2 A | 1 |
| GW D7 106 | 4 A | 1 |
| GW D7 107 | 5 A | 1 |
| GW D7 108 | 6.5 A | 1 |
| GW D7 109 | 8.5 A | 1 |
| GW D7 110 | 11 A | 1 |
| GW D7 111 | 12.5 A | 1 |
| GW D7 112 | 20 A | 1 |
| GW D7 113 | 32 A | 1 |
| GW D7 114 | 52 A | 1 |
| GW D7 115 | 80 A | 1 |
| GW D7 116 | 100 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.

The space taken up on the EN 50022 DIN rail is approximately 5 modules for the 3P versions and 7 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 160 - MCCB'S WITH MAGNETIC RELEASE FOR GENERATOR PROTECTION - S TYPE - 50 KA



GW D7 136

| ONLY MAGNETIC RELEASE - M | | |
|---------------------------|---------------|-------------|
| Code | Rated current | Pack Carton |
| No. of poles: 3P | | |
| GW D7 121 | 1 A | 1 |
| GW D7 122 | 1.6 A | 1 |
| GW D7 123 | 2 A | 1 |
| GW D7 124 | 2.5 A | 1 |
| GW D7 125 | 3.2 A | 1 |
| GW D7 126 | 4 A | 1 |
| GW D7 127 | 5 A | 1 |
| GW D7 128 | 6.5 A | 1 |
| GW D7 129 | 8.5 A | 1 |
| GW D7 130 | 11 A | 1 |
| GW D7 131 | 12.5 A | 1 |
| GW D7 132 | 20 A | 1 |
| GW D7 133 | 32 A | 1 |
| GW D7 134 | 52 A | 1 |
| GW D7 135 | 80 A | 1 |
| GW D7 136 | 100 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.
The space taken up on the EN 50022 DIN rail is approximately 5 modules for the 3P versions and 7 modules for the 4P versions.
ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 250 - MCCB'S UP TO 250 A

MTX 250 - MCCB'S - N TYPE - 36 KA



GW D7 217

TM1 RELEASE (IM=10IN)

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 201 | 63 A | 1 |
| GW D7 202 | 80 A | 1 |
| GW D7 203 | 100 A | 1 |
| GW D7 204 | 125 A | 1 |
| GW D7 205 | 160 A | 1 |
| GW D7 206 | 200 A | 1 |
| GW D7 207 | 250 A | 1 |
| No. of poles: 4P | | |
| GW D7 211 | 63 A | 1 |
| GW D7 212 | 80 A | 1 |
| GW D7 213 | 100 A | 1 |
| GW D7 214 | 125 A | 1 |
| GW D7 215 | 160 A | 1 |
| GW D7 216 | 200 A | 1 |
| GW D7 217 | 250 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8262.

The space taken up on the EN 50022 DIN rail is approximately 6 modules for the 3P versions and 8 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 250 - MCCB'S - S TYPE - 50 KA



GW D7 237

TM1 RELEASE (IM=10IN)

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 221 | 63 A | 1 |
| GW D7 222 | 80 A | 1 |
| GW D7 223 | 100 A | 1 |
| GW D7 224 | 125 A | 1 |
| GW D7 225 | 160 A | 1 |
| GW D7 226 | 200 A | 1 |
| GW D7 227 | 250 A | 1 |
| No. of poles: 4P | | |
| GW D7 231 | 63 A | 1 |
| GW D7 232 | 80 A | 1 |
| GW D7 233 | 100 A | 1 |
| GW D7 234 | 125 A | 1 |
| GW D7 235 | 160 A | 1 |
| GW D7 236 | 200 A | 1 |
| GW D7 237 | 250 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8262.

The space taken up on the EN 50022 DIN rail is approximately 6 modules for the 3P versions and 8 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 250 - MCCB'S FOR GENERATOR PROTECTION - N TYPE - 36 KA



GW D7 257

TMG RELEASE (IM=3IN)

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 241 | 63 A | 1 |
| GW D7 242 | 80 A | 1 |
| GW D7 243 | 100 A | 1 |
| GW D7 244 | 125 A | 1 |
| GW D7 245 | 160 A | 1 |
| GW D7 246 | 200 A | 1 |
| GW D7 247 | 250 A | 1 |
| No. of poles: 4P | | |
| GW D7 251 | 63 A | 1 |
| GW D7 252 | 80 A | 1 |
| GW D7 253 | 100 A | 1 |
| GW D7 254 | 125 A | 1 |
| GW D7 255 | 160 A | 1 |
| GW D7 256 | 200 A | 1 |
| GW D7 257 | 250 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8262.

The space taken up on the EN 50022 DIN rail is approximately 6 modules for the 3P versions and 8 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 250 - MCCB'S FOR GENERATOR PROTECTION - S TYPE - 50 KA



GW D7 277

TMG RELEASE (IM=3IN)

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 261 | 63 A | 1 |
| GW D7 262 | 80 A | 1 |
| GW D7 263 | 100 A | 1 |
| GW D7 264 | 125 A | 1 |
| GW D7 265 | 160 A | 1 |
| GW D7 266 | 200 A | 1 |
| GW D7 267 | 250 A | 1 |
| No. of poles: 4P | | |
| GW D7 271 | 63 A | 1 |
| GW D7 272 | 80 A | 1 |
| GW D7 273 | 100 A | 1 |
| GW D7 274 | 125 A | 1 |
| GW D7 275 | 160 A | 1 |
| GW D7 276 | 200 A | 1 |
| GW D7 277 | 250 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8262.

The space taken up on the EN 50022 DIN rail is approximately 6 modules for the 3P versions and 8 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 250 - MCCB'S WITH MAGNETIC RELEASE FOR GENERATOR PROTECTION - N TYPE - 36 KA



GW D7 284

ONLY MAGNETIC RELEASE - M

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 281 | 100 A | 1 |
| GW D7 282 | 125 A | 1 |
| GW D7 283 | 160 A | 1 |
| GW D7 284 | 200 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8262.

The space taken up on the EN 50022 DIN rail is approximately 6 modules for the 3P versions and 8 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 250 - MCCB'S WITH MAGNETIC RELEASE FOR GENERATOR PROTECTION - S TYPE - 50 KA



GW D7 294

ONLY MAGNETIC RELEASE - M

| Code | Rated current | Pack Carton |
|------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 291 | 100 A | 1 |
| GW D7 292 | 125 A | 1 |
| GW D7 293 | 160 A | 1 |
| GW D7 294 | 200 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8262.
The space taken up on the EN 50022 DIN rail is approximately 6 modules for the 3P versions and 8 modules for the 4P versions.
ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 320 / MTXE 320 - MCCB'S UP TO 320 A

MTX 320 - MCCB'S - N TYPE - 36 KA



GW D7 315

TM2 RELEASE (IM=5-10IN)

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 301 | 100 A | 1 |
| GW D7 302 | 125 A | 1 |
| GW D7 303 | 160 A | 1 |
| GW D7 304 | 200 A | 1 |
| GW D7 305 | 250 A | 1 |
| No. of poles: 4P | | |
| GW D7 311 | 100 A | 1 |
| GW D7 312 | 125 A | 1 |
| GW D7 313 | 160 A | 1 |
| GW D7 314 | 200 A | 1 |
| GW D7 315 | 250 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 320 - MCCB'S - S TYPE - 50 KA



GW D7 335

TM2 RELEASE (IM=5-10IN)

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 321 | 100 A | 1 |
| GW D7 322 | 125 A | 1 |
| GW D7 323 | 160 A | 1 |
| GW D7 324 | 200 A | 1 |
| GW D7 325 | 250 A | 1 |
| No. of poles: 4P | | |
| GW D7 331 | 100 A | 1 |
| GW D7 332 | 125 A | 1 |
| GW D7 333 | 160 A | 1 |
| GW D7 334 | 200 A | 1 |
| GW D7 335 | 250 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 320 - MCCB'S WITH ELECTRONIC RELEASE - N TYPE - 36 KA



GW D7 376

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 344 | I | 100 A | SEP/1 | 1 |
| GW D7 345 | I | 160 A | SEP/1 | 1 |
| GW D7 346 | I | 250 A | SEP/1 | 1 |
| GW D7 354 | I | 320 A | SEP/1 | 1 |
| GW D7 341 | LS / I | 100 A | SEP/1 | 1 |
| GW D7 342 | LS / I | 160 A | SEP/1 | 1 |
| GW D7 343 | LS / I | 250 A | SEP/1 | 1 |
| GW D7 353 | LS / I | 320 A | SEP/1 | 1 |
| GW D7 347 | LSI | 100 A | SEP/2 | 1 |
| GW D7 348 | LSI | 160 A | SEP/2 | 1 |
| GW D7 349 | LSI | 250 A | SEP/2 | 1 |
| GW D7 355 | LSI | 320 A | SEP/2 | 1 |
| GW D7 350 | LSIG | 100 A | SEP/2 | 1 |
| GW D7 351 | LSIG | 160 A | SEP/2 | 1 |
| GW D7 352 | LSIG | 250 A | SEP/2 | 1 |
| GW D7 356 | LSIG | 320 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 364 | I | 100 A | SEP/1 | 1 |
| GW D7 365 | I | 160 A | SEP/1 | 1 |
| GW D7 366 | I | 250 A | SEP/1 | 1 |
| GW D7 374 | I | 320 A | SEP/1 | 1 |
| GW D7 361 | LS / I | 100 A | SEP/1 | 1 |
| GW D7 362 | LS / I | 160 A | SEP/1 | 1 |
| GW D7 363 | LS / I | 250 A | SEP/1 | 1 |
| GW D7 373 | LS / I | 320 A | SEP/1 | 1 |
| GW D7 367 | LSI | 100 A | SEP/2 | 1 |
| GW D7 368 | LSI | 160 A | SEP/2 | 1 |
| GW D7 369 | LSI | 250 A | SEP/2 | 1 |
| GW D7 375 | LSI | 320 A | SEP/2 | 1 |
| GW D7 370 | LSIG | 100 A | SEP/2 | 1 |
| GW D7 371 | LSIG | 160 A | SEP/2 | 1 |
| GW D7 372 | LSIG | 250 A | SEP/2 | 1 |
| GW D7 376 | LSIG | 320 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 320 - MCCB'S WITH ELECTRONIC RELEASE - S TYPE - 50 KA



GW D7 416

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 384 | I | 100 A | SEP/1 | 1 |
| GW D7 385 | I | 160 A | SEP/1 | 1 |
| GW D7 386 | I | 250 A | SEP/1 | 1 |
| GW D7 394 | I | 320 A | SEP/1 | 1 |
| GW D7 381 | L S / I | 100 A | SEP/1 | 1 |
| GW D7 382 | L S / I | 160 A | SEP/1 | 1 |
| GW D7 383 | L S / I | 250 A | SEP/1 | 1 |
| GW D7 393 | L S / I | 320 A | SEP/1 | 1 |
| GW D7 387 | L S I | 100 A | SEP/2 | 1 |
| GW D7 388 | L S I | 160 A | SEP/2 | 1 |
| GW D7 389 | L S I | 250 A | SEP/2 | 1 |
| GW D7 395 | L S I | 320 A | SEP/2 | 1 |
| GW D7 390 | L S I G | 100 A | SEP/2 | 1 |
| GW D7 391 | L S I G | 160 A | SEP/2 | 1 |
| GW D7 392 | L S I G | 250 A | SEP/2 | 1 |
| GW D7 396 | L S I G | 320 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 404 | I | 100 A | SEP/1 | 1 |
| GW D7 405 | I | 160 A | SEP/1 | 1 |
| GW D7 406 | I | 250 A | SEP/1 | 1 |
| GW D7 414 | I | 320 A | SEP/1 | 1 |
| GW D7 401 | L S / I | 100 A | SEP/1 | 1 |
| GW D7 402 | L S / I | 160 A | SEP/1 | 1 |
| GW D7 403 | L S / I | 250 A | SEP/1 | 1 |
| GW D7 413 | L S / I | 320 A | SEP/1 | 1 |
| GW D7 407 | L S I | 100 A | SEP/2 | 1 |
| GW D7 408 | L S I | 160 A | SEP/2 | 1 |
| GW D7 409 | L S I | 250 A | SEP/2 | 1 |
| GW D7 415 | L S I | 320 A | SEP/2 | 1 |
| GW D7 410 | L S I G | 100 A | SEP/2 | 1 |
| GW D7 411 | L S I G | 160 A | SEP/2 | 1 |
| GW D7 412 | L S I G | 250 A | SEP/2 | 1 |
| GW D7 416 | L S I G | 320 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 320 - MCCB'S WITH ELECTRONIC RELEASE - H TYPE - 70 KA



GW D7 456

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 424 | I | 100 A | SEP/1 | 1 |
| GW D7 425 | I | 160 A | SEP/1 | 1 |
| GW D7 426 | I | 250 A | SEP/1 | 1 |
| GW D7 434 | I | 320 A | SEP/1 | 1 |
| GW D7 421 | LS / I | 100 A | SEP/1 | 1 |
| GW D7 422 | LS / I | 160 A | SEP/1 | 1 |
| GW D7 423 | LS / I | 250 A | SEP/1 | 1 |
| GW D7 433 | LS / I | 320 A | SEP/1 | 1 |
| GW D7 427 | LSI | 100 A | SEP/2 | 1 |
| GW D7 428 | LSI | 160 A | SEP/2 | 1 |
| GW D7 429 | LSI | 250 A | SEP/2 | 1 |
| GW D7 435 | LSI | 320 A | SEP/2 | 1 |
| GW D7 430 | LSIG | 100 A | SEP/2 | 1 |
| GW D7 431 | LSIG | 160 A | SEP/2 | 1 |
| GW D7 432 | LSIG | 250 A | SEP/2 | 1 |
| GW D7 436 | LSIG | 320 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 444 | I | 100 A | SEP/1 | 1 |
| GW D7 445 | I | 160 A | SEP/1 | 1 |
| GW D7 446 | I | 250 A | SEP/1 | 1 |
| GW D7 454 | I | 320 A | SEP/1 | 1 |
| GW D7 441 | LS / I | 100 A | SEP/1 | 1 |
| GW D7 442 | LS / I | 160 A | SEP/1 | 1 |
| GW D7 443 | LS / I | 250 A | SEP/1 | 1 |
| GW D7 453 | LS / I | 320 A | SEP/1 | 1 |
| GW D7 447 | LSI | 100 A | SEP/2 | 1 |
| GW D7 448 | LSI | 160 A | SEP/2 | 1 |
| GW D7 449 | LSI | 250 A | SEP/2 | 1 |
| GW D7 455 | LSI | 320 A | SEP/2 | 1 |
| GW D7 450 | LSIG | 100 A | SEP/2 | 1 |
| GW D7 451 | LSIG | 160 A | SEP/2 | 1 |
| GW D7 452 | LSIG | 250 A | SEP/2 | 1 |
| GW D7 456 | LSIG | 320 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 320 - MCCB'S WITH ELECTRONIC RELEASE - L TYPE - 120 KA



GW D7 496

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 464 | I | 100 A | SEP/1 | 1 |
| GW D7 465 | I | 160 A | SEP/1 | 1 |
| GW D7 466 | I | 250 A | SEP/1 | 1 |
| GW D7 474 | I | 320 A | SEP/1 | 1 |
| GW D7 461 | L S / I | 100 A | SEP/1 | 1 |
| GW D7 462 | L S / I | 160 A | SEP/1 | 1 |
| GW D7 463 | L S / I | 250 A | SEP/1 | 1 |
| GW D7 473 | L S / I | 320 A | SEP/1 | 1 |
| GW D7 467 | L S I | 100 A | SEP/2 | 1 |
| GW D7 468 | L S I | 160 A | SEP/2 | 1 |
| GW D7 469 | L S I | 250 A | SEP/2 | 1 |
| GW D7 475 | L S I | 320 A | SEP/2 | 1 |
| GW D7 470 | L S I G | 100 A | SEP/2 | 1 |
| GW D7 471 | L S I G | 160 A | SEP/2 | 1 |
| GW D7 472 | L S I G | 250 A | SEP/2 | 1 |
| GW D7 476 | L S I G | 320 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 484 | I | 100 A | SEP/1 | 1 |
| GW D7 485 | I | 160 A | SEP/1 | 1 |
| GW D7 486 | I | 250 A | SEP/1 | 1 |
| GW D7 494 | I | 320 A | SEP/1 | 1 |
| GW D7 481 | L S / I | 100 A | SEP/1 | 1 |
| GW D7 482 | L S / I | 160 A | SEP/1 | 1 |
| GW D7 483 | L S / I | 250 A | SEP/1 | 1 |
| GW D7 493 | L S / I | 320 A | SEP/1 | 1 |
| GW D7 487 | L S I | 100 A | SEP/2 | 1 |
| GW D7 488 | L S I | 160 A | SEP/2 | 1 |
| GW D7 489 | L S I | 250 A | SEP/2 | 1 |
| GW D7 495 | L S I | 320 A | SEP/2 | 1 |
| GW D7 490 | L S I G | 100 A | SEP/2 | 1 |
| GW D7 491 | L S I G | 160 A | SEP/2 | 1 |
| GW D7 492 | L S I G | 250 A | SEP/2 | 1 |
| GW D7 496 | L S I G | 320 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 630 / MTXE 630 - MCCB'S UP TO 630 A

MTX 630 - MCCB'S - N TYPE - 36 KA



GW D7 508

TM2 RELEASE (IM=5-10IN)

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 501 | 320 A | 1 |
| GW D7 502 | 400 A | 1 |
| GW D7 503 | 500 A | 1 |
| No. of poles: 4P | | |
| GW D7 506 | 320 A | 1 |
| GW D7 507 | 400 A | 1 |
| GW D7 508 | 500 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 630 - MCCB'S - S TYPE - 50 KA



GW D7 518

TM2 RELEASE (IM=5-10IN)

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 511 | 320 A | 1 |
| GW D7 512 | 400 A | 1 |
| GW D7 513 | 500 A | 1 |
| No. of poles: 4P | | |
| GW D7 516 | 320 A | 1 |
| GW D7 517 | 400 A | 1 |
| GW D7 518 | 500 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 630 - MCCB'S - H TYPE - 70 KA



GW D7 528

TM2 RELEASE (IM=5-10IN)

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 521 | 320 A | 1 |
| GW D7 522 | 400 A | 1 |
| GW D7 523 | 500 A | 1 |
| No. of poles: 4P | | |
| GW D7 526 | 320 A | 1 |
| GW D7 527 | 400 A | 1 |
| GW D7 528 | 500 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 630 - MCCB'S WITH ELECTRONIC RELEASE - N TYPE - 36 KA



GW D7 562

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 534 | I | 400 A | SEP/1 | 1 |
| GW D7 540 | I | 630 A | SEP/1 | 1 |
| GW D7 532 | L S / I | 400 A | SEP/1 | 1 |
| GW D7 539 | L S / I | 630 A | SEP/1 | 1 |
| GW D7 536 | L S I | 400 A | SEP/2 | 1 |
| GW D7 541 | L S I | 630 A | SEP/2 | 1 |
| GW D7 538 | L S I G | 400 A | SEP/2 | 1 |
| GW D7 542 | L S I G | 630 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 554 | I | 400 A | SEP/1 | 1 |
| GW D7 560 | I | 630 A | SEP/1 | 1 |
| GW D7 552 | L S / I | 400 A | SEP/1 | 1 |
| GW D7 559 | L S / I | 630 A | SEP/1 | 1 |
| GW D7 556 | L S I | 400 A | SEP/2 | 1 |
| GW D7 561 | L S I | 630 A | SEP/2 | 1 |
| GW D7 558 | L S I G | 400 A | SEP/2 | 1 |
| GW D7 562 | L S I G | 630 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 630 - MCCB'S WITH ELECTRONIC RELEASE - S TYPE - 50 KA



GW D7 602

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 574 | I | 400 A | SEP/1 | 1 |
| GW D7 580 | I | 630 A | SEP/1 | 1 |
| GW D7 572 | L S / I | 400 A | SEP/1 | 1 |
| GW D7 579 | L S / I | 630 A | SEP/1 | 1 |
| GW D7 576 | L S I | 400 A | SEP/2 | 1 |
| GW D7 581 | L S I | 630 A | SEP/2 | 1 |
| GW D7 578 | L S I G | 400 A | SEP/2 | 1 |
| GW D7 582 | L S I G | 630 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 594 | I | 400 A | SEP/1 | 1 |
| GW D7 600 | I | 630 A | SEP/1 | 1 |
| GW D7 592 | L S / I | 400 A | SEP/1 | 1 |
| GW D7 599 | L S / I | 630 A | SEP/1 | 1 |
| GW D7 596 | L S I | 400 A | SEP/2 | 1 |
| GW D7 601 | L S I | 630 A | SEP/2 | 1 |
| GW D7 598 | L S I G | 400 A | SEP/2 | 1 |
| GW D7 602 | L S I G | 630 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 630 - MCCB'S WITH ELECTRONIC RELEASE - H TYPE - 70 KA



GW D7 642

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 614 | I | 400 A | SEP/1 | 1 |
| GW D7 620 | I | 630 A | SEP/1 | 1 |
| GW D7 612 | LS / I | 400 A | SEP/1 | 1 |
| GW D7 619 | LS / I | 630 A | SEP/1 | 1 |
| GW D7 616 | LS I | 400 A | SEP/2 | 1 |
| GW D7 621 | LS I | 630 A | SEP/2 | 1 |
| GW D7 618 | LS IG | 400 A | SEP/2 | 1 |
| GW D7 622 | LS IG | 630 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 634 | I | 400 A | SEP/1 | 1 |
| GW D7 640 | I | 630 A | SEP/1 | 1 |
| GW D7 632 | LS / I | 400 A | SEP/1 | 1 |
| GW D7 639 | LS / I | 630 A | SEP/1 | 1 |
| GW D7 636 | LS I | 400 A | SEP/2 | 1 |
| GW D7 641 | LS I | 630 A | SEP/2 | 1 |
| GW D7 638 | LS IG | 400 A | SEP/2 | 1 |
| GW D7 642 | LS IG | 630 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 630 - MCCB'S WITH ELECTRONIC RELEASE - L TYPE - 120 KA



GW D7 682

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 654 | I | 400 A | SEP/1 | 1 |
| GW D7 660 | I | 630 A | SEP/1 | 1 |
| GW D7 652 | LS / I | 400 A | SEP/1 | 1 |
| GW D7 659 | LS / I | 630 A | SEP/1 | 1 |
| GW D7 656 | LS I | 400 A | SEP/2 | 1 |
| GW D7 661 | LS I | 630 A | SEP/2 | 1 |
| GW D7 658 | LS IG | 400 A | SEP/2 | 1 |
| GW D7 662 | LS IG | 630 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 674 | I | 400 A | SEP/1 | 1 |
| GW D7 680 | I | 630 A | SEP/1 | 1 |
| GW D7 672 | LS / I | 400 A | SEP/1 | 1 |
| GW D7 679 | LS / I | 630 A | SEP/1 | 1 |
| GW D7 676 | LS I | 400 A | SEP/2 | 1 |
| GW D7 681 | LS I | 630 A | SEP/2 | 1 |
| GW D7 678 | LS IG | 400 A | SEP/2 | 1 |
| GW D7 682 | LS IG | 630 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 1000 / MTXE 1000 - MCCB'S UP TO 1000 A

MTX 1000 - MCCB'S - N TYPE - 36 KA



GW D7 707

TM2 RELEASE (IM=5-10IN)

| Code | Rated current | Pack Carton |
|------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 701 | 630 A | 1 |
| GW D7 702 | 800 A | 1 |
| No. of poles: 4P | | |
| GW D7 706 | 630 A | 1 |
| GW D7 707 | 800 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 1000 - MCCB'S - S TYPE - 50 KA



GW D7 717

TM2 RELEASE (IM=5-10IN)

| Code | Rated current | Pack Carton |
|------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 710 | 630 A | 1 |
| GW D7 711 | 800 A | 1 |
| No. of poles: 4P | | |
| GW D7 716 | 630 A | 1 |
| GW D7 717 | 800 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 1000 - MCCB'S - H TYPE - 70 KA



GW D7 727

TM2 RELEASE (IM=5-10IN)

| Code | Rated current | Pack Carton |
|------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 721 | 630 A | 1 |
| GW D7 722 | 800 A | 1 |
| No. of poles: 4P | | |
| GW D7 726 | 630 A | 1 |
| GW D7 727 | 800 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXE 1000 - MCCB'S WITH ELECTRONIC RELEASE - N TYPE - 36 KA



GW D7 762

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 732 | I | 630 A | SEP/1 | 1 |
| GW D7 736 | I | 800 A | SEP/1 | 1 |
| GW D7 740 | I | 1000 A | SEP/1 | 1 |
| GW D7 731 | LS / I | 630 A | SEP/1 | 1 |
| GW D7 735 | LS / I | 800 A | SEP/1 | 1 |
| GW D7 739 | LS / I | 1000 A | SEP/1 | 1 |
| GW D7 733 | LS I | 630 A | SEP/2 | 1 |
| GW D7 737 | LS I | 800 A | SEP/2 | 1 |
| GW D7 741 | LS I | 1000 A | SEP/2 | 1 |
| GW D7 734 | LS IG | 630 A | SEP/2 | 1 |
| GW D7 738 | LS IG | 800 A | SEP/2 | 1 |
| GW D7 742 | LS IG | 1000 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 752 | I | 630 A | SEP/1 | 1 |
| GW D7 756 | I | 800 A | SEP/1 | 1 |
| GW D7 760 | I | 1000 A | SEP/1 | 1 |
| GW D7 751 | LS / I | 630 A | SEP/1 | 1 |
| GW D7 755 | LS / I | 800 A | SEP/1 | 1 |
| GW D7 759 | LS / I | 1000 A | SEP/1 | 1 |
| GW D7 753 | LS I | 630 A | SEP/2 | 1 |
| GW D7 757 | LS I | 800 A | SEP/2 | 1 |
| GW D7 761 | LS I | 1000 A | SEP/2 | 1 |
| GW D7 754 | LS IG | 630 A | SEP/2 | 1 |
| GW D7 758 | LS IG | 800 A | SEP/2 | 1 |
| GW D7 762 | LS IG | 1000 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F) for versions up to 800 A. Supplied with extended front terminals (EF) for versions of 1000 A.

MTXE 1000 - MCCB'S WITH ELECTRONIC RELEASE - S TYPE - 50 KA



GW D7 802

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 772 | I | 630 A | SEP/1 | 1 |
| GW D7 776 | I | 800 A | SEP/1 | 1 |
| GW D7 780 | I | 1000 A | SEP/1 | 1 |
| GW D7 771 | LS / I | 630 A | SEP/1 | 1 |
| GW D7 775 | LS / I | 800 A | SEP/1 | 1 |
| GW D7 779 | LS / I | 1000 A | SEP/1 | 1 |
| GW D7 773 | LS I | 630 A | SEP/2 | 1 |
| GW D7 777 | LS I | 800 A | SEP/2 | 1 |
| GW D7 781 | LS I | 1000 A | SEP/2 | 1 |
| GW D7 774 | LS IG | 630 A | SEP/2 | 1 |
| GW D7 778 | LS IG | 800 A | SEP/2 | 1 |
| GW D7 782 | LS IG | 1000 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 792 | I | 630 A | SEP/1 | 1 |
| GW D7 796 | I | 800 A | SEP/1 | 1 |
| GW D7 800 | I | 1000 A | SEP/1 | 1 |
| GW D7 791 | LS / I | 630 A | SEP/1 | 1 |
| GW D7 795 | LS / I | 800 A | SEP/1 | 1 |
| GW D7 799 | LS / I | 1000 A | SEP/1 | 1 |
| GW D7 793 | LS I | 630 A | SEP/2 | 1 |
| GW D7 797 | LS I | 800 A | SEP/2 | 1 |
| GW D7 801 | LS I | 1000 A | SEP/2 | 1 |
| GW D7 794 | LS IG | 630 A | SEP/2 | 1 |
| GW D7 798 | LS IG | 800 A | SEP/2 | 1 |
| GW D7 802 | LS IG | 1000 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F) for versions up to 800 A. Supplied with extended front terminals (EF) for versions of 1000 A.

MTXE 1000 - MCCB'S WITH ELECTRONIC RELEASE - H TYPE - 70 KA



GW D7 842

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 812 | I | 630 A | SEP/1 | 1 |
| GW D7 816 | I | 800 A | SEP/1 | 1 |
| GW D7 820 | I | 1000 A | SEP/1 | 1 |
| GW D7 811 | L S / I | 630 A | SEP/1 | 1 |
| GW D7 815 | L S / I | 800 A | SEP/1 | 1 |
| GW D7 819 | L S / I | 1000 A | SEP/1 | 1 |
| GW D7 813 | L S I | 630 A | SEP/2 | 1 |
| GW D7 817 | L S I | 800 A | SEP/2 | 1 |
| GW D7 821 | L S I | 1000 A | SEP/2 | 1 |
| GW D7 814 | L S I G | 630 A | SEP/2 | 1 |
| GW D7 818 | L S I G | 800 A | SEP/2 | 1 |
| GW D7 822 | L S I G | 1000 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 832 | I | 630 A | SEP/1 | 1 |
| GW D7 836 | I | 800 A | SEP/1 | 1 |
| GW D7 840 | I | 1000 A | SEP/1 | 1 |
| GW D7 831 | L S / I | 630 A | SEP/1 | 1 |
| GW D7 835 | L S / I | 800 A | SEP/1 | 1 |
| GW D7 839 | L S / I | 1000 A | SEP/1 | 1 |
| GW D7 833 | L S I | 630 A | SEP/2 | 1 |
| GW D7 837 | L S I | 800 A | SEP/2 | 1 |
| GW D7 841 | L S I | 1000 A | SEP/2 | 1 |
| GW D7 834 | L S I G | 630 A | SEP/2 | 1 |
| GW D7 838 | L S I G | 800 A | SEP/2 | 1 |
| GW D7 842 | L S I G | 1000 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F) for versions up to 800 A. Supplied with extended front terminals (EF) for versions of 1000 A.

MTXE 1000 - MCCB'S WITH ELECTRONIC RELEASE - L TYPE - 100 KA



GW D7 882

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW D7 852 | I | 630 A | SEP/1 | 1 |
| GW D7 856 | I | 800 A | SEP/1 | 1 |
| GW D7 860 | I | 1000 A | SEP/1 | 1 |
| GW D7 851 | L S / I | 630 A | SEP/1 | 1 |
| GW D7 855 | L S / I | 800 A | SEP/1 | 1 |
| GW D7 859 | L S / I | 1000 A | SEP/1 | 1 |
| GW D7 853 | L S I | 630 A | SEP/2 | 1 |
| GW D7 857 | L S I | 800 A | SEP/2 | 1 |
| GW D7 861 | L S I | 1000 A | SEP/2 | 1 |
| GW D7 854 | L S I G | 630 A | SEP/2 | 1 |
| GW D7 858 | L S I G | 800 A | SEP/2 | 1 |
| GW D7 862 | L S I G | 1000 A | SEP/2 | 1 |
| No. of poles: 4P | | | | |
| GW D7 872 | I | 630 A | SEP/1 | 1 |
| GW D7 876 | I | 800 A | SEP/1 | 1 |
| GW D7 880 | I | 1000 A | SEP/1 | 1 |
| GW D7 871 | L S / I | 630 A | SEP/1 | 1 |
| GW D7 875 | L S / I | 800 A | SEP/1 | 1 |
| GW D7 879 | L S / I | 1000 A | SEP/1 | 1 |
| GW D7 873 | L S I | 630 A | SEP/2 | 1 |
| GW D7 877 | L S I | 800 A | SEP/2 | 1 |
| GW D7 881 | L S I | 1000 A | SEP/2 | 1 |
| GW D7 874 | L S I G | 630 A | SEP/2 | 1 |
| GW D7 878 | L S I G | 800 A | SEP/2 | 1 |
| GW D7 882 | L S I G | 1000 A | SEP/2 | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F) for versions up to 800 A. Supplied with extended front terminals (EF) for versions of 1000 A.

MTSE 1600 - MCCB'S UP TO 1600 A

MTSE 1600 - MCCB'S WITH ELECTRONIC RELEASE - S TYPE - 50 KA



GW 97 623

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW 97 601 | I | 1250 A | SEP/A | 1 |
| GW 97 602 | I | 1600 A | SEP/A | 1 |
| GW 97 604 | L I | 1250 A | SEP/A | 1 |
| GW 97 605 | L I | 1600 A | SEP/A | 1 |
| GW 97 613 | L S I | 1250 A | SEP/B | 1 |
| GW 97 614 | L S I | 1600 A | SEP/B | 1 |
| GW 97 616 | L S I G | 1250 A | SEP/B | 1 |
| GW 97 617 | L S I G | 1600 A | SEP/B | 1 |
| No. of poles: 4P | | | | |
| GW 97 607 | I | 1250 A | SEP/A | 1 |
| GW 97 608 | I | 1600 A | SEP/A | 1 |
| GW 97 610 | L I | 1250 A | SEP/A | 1 |
| GW 97 611 | L I | 1600 A | SEP/A | 1 |
| GW 97 619 | L S I | 1250 A | SEP/B | 1 |
| GW 97 620 | L S I | 1600 A | SEP/B | 1 |
| GW 97 622 | L S I G | 1250 A | SEP/B | 1 |
| GW 97 623 | L S I G | 1600 A | SEP/B | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTSE 1600 - MCCB'S WITH ELECTRONIC RELEASE - H TYPE - 65 KA



GW 97 647

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW 97 625 | I | 1250 A | SEP/A | 1 |
| GW 97 626 | I | 1600 A | SEP/A | 1 |
| GW 97 628 | L I | 1250 A | SEP/A | 1 |
| GW 97 629 | L I | 1600 A | SEP/A | 1 |
| GW 97 637 | L S I | 1250 A | SEP/B | 1 |
| GW 97 638 | L S I | 1600 A | SEP/B | 1 |
| GW 97 640 | L S I G | 1250 A | SEP/B | 1 |
| GW 97 641 | L S I G | 1600 A | SEP/B | 1 |
| No. of poles: 4P | | | | |
| GW 97 631 | I | 1250 A | SEP/A | 1 |
| GW 97 632 | I | 1600 A | SEP/A | 1 |
| GW 97 634 | L I | 1250 A | SEP/A | 1 |
| GW 97 635 | L I | 1600 A | SEP/A | 1 |
| GW 97 643 | L S I | 1250 A | SEP/B | 1 |
| GW 97 644 | L S I | 1600 A | SEP/B | 1 |
| GW 97 646 | L S I G | 1250 A | SEP/B | 1 |
| GW 97 647 | L S I G | 1600 A | SEP/B | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTSE 1600 - MCCB'S WITH ELECTRONIC RELEASE - L TYPE - 100 KA



GW 97 671

ELECTRONIC RELEASE

| Code | Microprocessor functions | Rated current | Type of release | Pack Carton |
|-------------------------|--------------------------|---------------|-----------------|-------------|
| No. of poles: 3P | | | | |
| GW 97 649 | I | 1250 A | SEP/A | 1 |
| GW 97 650 | I | 1600 A | SEP/A | 1 |
| GW 97 652 | L I | 1250 A | SEP/A | 1 |
| GW 97 653 | L I | 1600 A | SEP/A | 1 |
| GW 97 661 | L S I | 1250 A | SEP/B | 1 |
| GW 97 662 | L S I | 1600 A | SEP/B | 1 |
| GW 97 664 | L S I G | 1250 A | SEP/B | 1 |
| GW 97 665 | L S I G | 1600 A | SEP/B | 1 |
| No. of poles: 4P | | | | |
| GW 97 655 | I | 1250 A | SEP/A | 1 |
| GW 97 656 | I | 1600 A | SEP/A | 1 |
| GW 97 658 | L I | 1250 A | SEP/A | 1 |
| GW 97 659 | L I | 1600 A | SEP/A | 1 |
| GW 97 667 | L S I | 1250 A | SEP/B | 1 |
| GW 97 668 | L S I | 1600 A | SEP/B | 1 |
| GW 97 670 | L S I G | 1250 A | SEP/B | 1 |
| GW 97 671 | L S I G | 1600 A | SEP/B | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXM - SWITCH-DISCONNECTORS UP TO 1000 A

MTXM 160C - SWITCH DISCONNECTORS



GW D7 902

SWITCH DISCONNECTORS

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 901 | 160 A | 1 |
| No. of poles: 4P | | |
| GW D7 902 | 160 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.

The space taken up on the EN 50022 DIN rail is approximately 4 modules for the 3P versions and 6 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals for copper cables (FC Cu).

MTXM 250 - SWITCH DISCONNECTORS



GW D7 904

SWITCH DISCONNECTORS

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 903 | 250 A | 1 |
| No. of poles: 4P | | |
| GW D7 904 | 250 A | 1 |

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8262.

The space taken up on the EN 50022 DIN rail is approximately 6 modules for the 3P versions and 8 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXM 320 - SWITCH DISCONNECTORS



GW D7 906

SWITCH DISCONNECTORS

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 905 | 320 A | 1 |
| No. of poles: 4P | | |
| GW D7 906 | 320 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXM 400 - SWITCH DISCONNECTORS



GW D7 908

SWITCH DISCONNECTORS

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 907 | 400 A | 1 |
| No. of poles: 4P | | |
| GW D7 908 | 400 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXM 630 - SWITCH DISCONNECTORS



GW D7 910

SWITCH DISCONNECTORS

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 909 | 630 A | 1 |
| No. of poles: 4P | | |
| GW D7 910 | 630 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXM 800 - SWITCH DISCONNECTORS



GW D7 912

SWITCH DISCONNECTORS

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 911 | 800 A | 1 |
| No. of poles: 4P | | |
| GW D7 912 | 800 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTXM 1000 - SWITCH DISCONNECTORS



GW D7 914

SWITCH DISCONNECTORS

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW D7 913 | 1000 A | 1 |
| No. of poles: 4P | | |
| GW D7 914 | 1000 A | 1 |

ACCESSORIES SUPPLIED: supplied with extended front terminals (EF).

MTSM - SWITCH DISCONNECTORS UP TO 1600 A

MTSM 1600 - SWITCH DISCONNECTORS



GW 97 719

SWITCH DISCONNECTORS

| Code | Rated current | Pack Carton |
|-------------------------|---------------|-------------|
| No. of poles: 3P | | |
| GW 97 715 | 1250 A | 1 |
| GW 97 716 | 1600 A | 1 |
| No. of poles: 4P | | |
| GW 97 718 | 1250 A | 1 |
| GW 97 719 | 1600 A | 1 |

ACCESSORIES SUPPLIED: supplied with front terminals (F).

BD - ADD-ON RESIDUAL CURRENT DEVICES FOR MTX/M MOULDED-CASE CIRCUIT BREAKERS

BD - ADD-ON RESIDUAL CURRENT DEVICES



GW D8 241

BD - RESIDUAL CURRENT RELEASES - L-SHAPE AND UNDER - 4 POLES

| Code | Type | Installation | Tripping | Pack Carton |
|---|--------------------------|-------------------|---------------|-------------|
| Suitable for: MTX/M 160c | | | | |
| GW D8 241 | "L" shape - 4P - lowered | For DIN rail only | Adjustable | 1 |
| GW D8 242 | "L" shape - 4P | Plate/DIN rail | Instantaneous | 1 |
| GW D8 243 | "L" shape - 4P | Plate/DIN rail | Adjustable | 1 |
| Suitable for: MTX/E 160 | | | | |
| GW D8 244 | "L" shape - 4P | Plate/DIN rail | Instantaneous | 1 |
| GW D8 245 | "L" shape - 4P | Plate/DIN rail | Adjustable | 1 |
| Suitable for: MTX/M 250 | | | | |
| GW D8 246 | "L" shape - 4P | Plate/DIN rail | Instantaneous | 1 |
| GW D8 247 | "L" shape - 4P | Plate/DIN rail | Adjustable | 1 |
| Suitable for: MTX/E/M 320 | | | | |
| GW D8 248 | Under - 4P | Plate only | Adjustable | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 (500 A) | | | | |
| GW D8 249 | Under - 4P | Plate only | Adjustable | 1 |

ACCESSORIES SUPPLIED: the residual current releases are supplied complete with an opening solenoid (to be housed in the slot of the third pole) with an auxiliary contact to signal when the residual current device trips, and a finishing cover for the cell. The residual current releases for MTX/E 160 and MTX/M 250 are supplied with a semi-kit of front terminals for copper cables. Apart from GWD8241, the other "L" shape residual current releases are supplied complete with upper and lower terminal covers specifically for the residual current device.

NOTES: with the residual current releases for MTX/M 160c, a specific kit of horizontal flat rear terminals (not supplied with the release) can be assembled downstream with the front terminals for copper wires already fitted on the circuit breaker.

For residual current releases with adjustable tripping, you can use the opening solenoid (supplied) to open the circuit breaker remotely without the need for another release solenoid.

4 poles residual current releases can be also used in three-phase balanced distribution system (without neutral) wiring the three phases on appropriate terminals excluding the N terminal.

To assemble the residual current releases on the EN 50022 DIN rail, use the relative fixing brackets.

The space occupied by the "L"-shape add-on residual current devices on the EN 50022 DIN rail is roughly 2 modules (except for the GWD8241, which occupies roughly 3 modules).

PLUG-IN VERSIONS

MTX/E 160

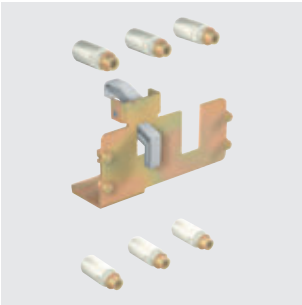


GW D8 001

FIXED PARTS FOR PLUG-IN VERSIONS

| Code | No. of poles | Pack Carton |
|--|-----------------|----------------|
| Suitable for: Front terminals - (F) | | |
| GW D8 001 | 3P | 1 |
| GW D8 002 | 4P | 1 |

NOTE: to obtain the plug-in versions, associate the fixed part with the relative conversion kit.



GW D8 051

CONVERSION KIT FROM FIXED INTO MOVING PART OF PLUG-IN

| Code | No. of poles | Pack Carton |
|-----------|-----------------|----------------|
| GW D8 051 | 3P | 1 |
| GW D8 052 | 4P | 1 |

NOTE: to obtain the plug-in versions, associate the relative conversion kit with the fixed part.

MTX/M 250

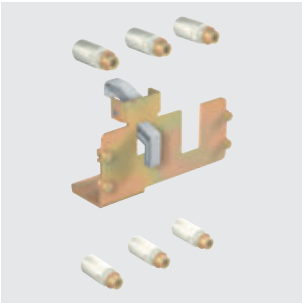


GW D8 003

FIXED PARTS FOR PLUG-IN VERSIONS

| Code | No. of poles | Pack Carton |
|--|-----------------|----------------|
| Suitable for: Front terminals - (F) | | |
| GW D8 003 | 3P | 1 |
| GW D8 004 | 4P | 1 |

NOTE: to obtain the plug-in versions, associate the fixed part with the relative conversion kit.



GW D8 053

CONVERSION KIT FROM FIXED INTO MOVING PART OF PLUG-IN

| Code | No. of poles | Pack Carton |
|-----------|-----------------|----------------|
| GW D8 053 | 3P | 1 |
| GW D8 054 | 4P | 1 |

NOTE: to obtain the plug-in versions, associate the relative conversion kit with the fixed part.

MTX/E/M 320

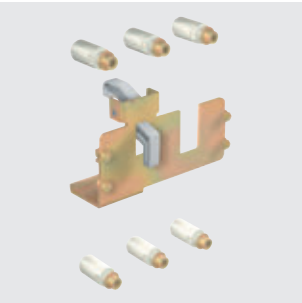


GW D8 007

FIXED PARTS FOR PLUG-IN VERSIONS

| Code | No. of poles | Pack Carton |
|--|-----------------|----------------|
| Suitable for: Extended front terminals - (EF) | | |
| GW D8 007 | 3P | 1 |
| GW D8 008 | 4P | 1 |
| Suitable for: Vertical flat rear terminals - (VR) | | |
| GW D8 015 | 3P | 1 |
| GW D8 016 | 4P | 1 |
| Suitable for: Horizontal flat rear terminals - (HR) | | |
| GW D8 023 | 3P | 1 |
| GW D8 024 | 4P | 1 |

NOTE: to obtain the plug-in versions, associate the fixed part with the relative conversion kit.



GW D8 055

CONVERSION KIT FROM FIXED INTO MOVING PART OF PLUG-IN

| Code | No. of poles | Pack Carton |
|-----------|-----------------|----------------|
| GW D8 055 | 3P | 1 |
| GW D8 056 | 4P | 1 |

NOTE: to obtain the plug-in versions, associate the relative conversion kit with the fixed part.

MTXM 400 - MTX/E 630 (400 A)

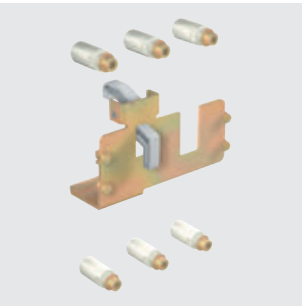


GW D8 009

FIXED PARTS FOR PLUG-IN VERSIONS

| Code | No. of poles | Pack Carton |
|--|-----------------|----------------|
| Suitable for: Extended front terminals - (EF) | | |
| GW D8 009 | 3P | 1 |
| GW D8 010 | 4P | 1 |
| Suitable for: Vertical flat rear terminals - (VR) | | |
| GW D8 017 | 3P | 1 |
| GW D8 018 | 4P | 1 |
| Suitable for: Horizontal flat rear terminals - (HR) | | |
| GW D8 025 | 3P | 1 |
| GW D8 026 | 4P | 1 |

NOTE: to obtain the plug-in versions, associate the fixed part with the relative conversion kit.



GW D8 057

CONVERSION KIT FROM FIXED INTO MOVING PART OF PLUG-IN

| Code | No. of poles | Pack Carton |
|-----------|-----------------|----------------|
| GW D8 057 | 3P | 1 |
| GW D8 058 | 4P | 1 |

NOTE: to obtain the plug-in versions, associate the relative conversion kit with the fixed part.

MTX/E/M 630 (500/630 A)

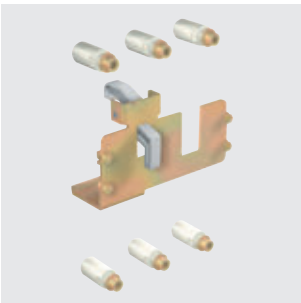


GW D8 011

FIXED PARTS FOR PLUG-IN VERSIONS

| Code | No. of poles | Pack Carton |
|--|-----------------|----------------|
| Suitable for: Extended front terminals - (EF) | | |
| GW D8 011 | 3P | 1 |
| GW D8 012 | 4P | 1 |
| Suitable for: Vertical flat rear terminals - (VR) | | |
| GW D8 019 | 3P | 1 |
| GW D8 020 | 4P | 1 |
| Suitable for: Horizontal flat rear terminals - (HR) | | |
| GW D8 027 | 3P | 1 |
| GW D8 028 | 4P | 1 |

NOTE: to obtain the plug-in versions, associate the fixed part with the relative conversion kit.



GW D8 059

CONVERSION KIT FROM FIXED INTO MOVING PART OF PLUG-IN

| Code | No. of poles | Pack Carton |
|-----------|-----------------|----------------|
| GW D8 059 | 3P | 1 |
| GW D8 060 | 4P | 1 |

NOTE: to obtain the plug-in versions, associate the relative conversion kit with the fixed part.

WITHDRAWABLE VERSIONS

MTX/E/M 320

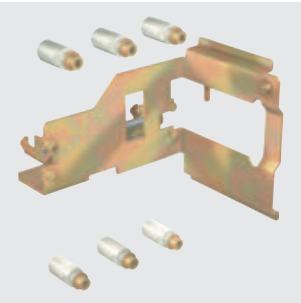


GW D8 007

FIXED PARTS FOR PLUG-IN VERSIONS

| Code | No. of poles | Pack Carton |
|--|-----------------|----------------|
| Suitable for: Extended front terminals - (EF) | | |
| GW D8 007 | 3P | 1 |
| GW D8 008 | 4P | 1 |
| Suitable for: Vertical flat rear terminals - (VR) | | |
| GW D8 015 | 3P | 1 |
| GW D8 016 | 4P | 1 |
| Suitable for: Horizontal flat rear terminals - (HR) | | |
| GW D8 023 | 3P | 1 |
| GW D8 024 | 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the fixed part with both the relative conversion kits.

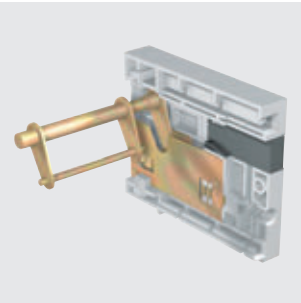


GW D8 066

CONVERSION KIT FROM FIXED INTO MOVING PART OF WITHDRAWABLE

| Code | No. of poles | Pack Carton |
|-----------|-----------------|----------------|
| GW D8 066 | 3P | 1 |
| GW D8 067 | 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the relative conversion kit with the fixed part.



GW D8 079

CONVERSION KIT FROM FIXED PART OF PLUG-IN INTO FIXED PART OF WITHDRAWABLE

| Code | No. of poles | Pack Carton |
|-----------|-----------------|----------------|
| GW D8 079 | 3P - 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the relative conversion kit with the fixed part.

MTXM 400 - MTX/E 630 (400 A)

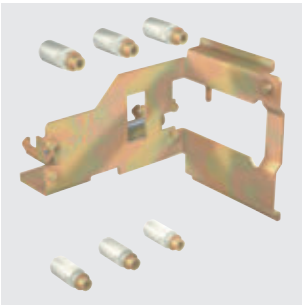


GW D8 009

FIXED PARTS FOR PLUG-IN VERSIONS

| Code | No. of poles | Pack Carton |
|--|-----------------|----------------|
| Suitable for: Extended front terminals - (EF) | | |
| GW D8 009 | 3P | 1 |
| GW D8 010 | 4P | 1 |
| Suitable for: Vertical flat rear terminals - (VR) | | |
| GW D8 017 | 3P | 1 |
| GW D8 018 | 4P | 1 |
| Suitable for: Horizontal flat rear terminals - (HR) | | |
| GW D8 025 | 3P | 1 |
| GW D8 026 | 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the fixed part with both the relative conversion kits.

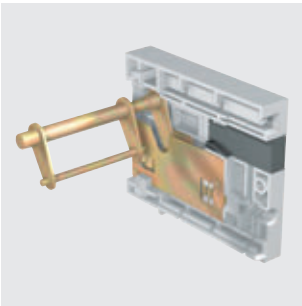


GW D8 068

CONVERSION KIT FROM FIXED INTO MOVING PART OF WITHDRAWABLE

| Code | No. of poles | Pack Carton |
|-----------|--------------|-------------|
| GW D8 068 | 3P | 1 |
| GW D8 069 | 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the relative conversion kit with the fixed part.



GW D8 080

CONVERSION KIT FROM FIXED PART OF PLUG-IN INTO FIXED PART OF WITHDRAWABLE

| Code | No. of poles | Pack Carton |
|-----------|--------------|-------------|
| GW D8 080 | 3P - 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the relative conversion kit with the fixed part.

MTX/E 630 (500/630 A)

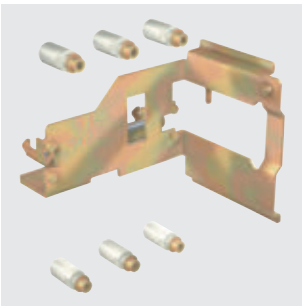


GW D8 011

FIXED PARTS FOR PLUG-IN VERSIONS

| Code | No. of poles | Pack Carton |
|--|--------------|-------------|
| Suitable for: Extended front terminals - (EF) | | |
| GW D8 011 | 3P | 1 |
| GW D8 012 | 4P | 1 |
| Suitable for: Vertical flat rear terminals - (VR) | | |
| GW D8 019 | 3P | 1 |
| GW D8 020 | 4P | 1 |
| Suitable for: Horizontal flat rear terminals - (HR) | | |
| GW D8 027 | 3P | 1 |
| GW D8 028 | 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the fixed part with both the relative conversion kits.

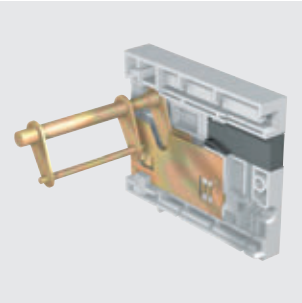


GW D8 070

CONVERSION KIT FROM FIXED INTO MOVING PART OF WITHDRAWABLE

| Code | No. of poles | Pack Carton |
|-----------|--------------|-------------|
| GW D8 070 | 3P | 1 |
| GW D8 071 | 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the relative conversion kit with the fixed part.



GW D8 080

CONVERSION KIT FROM FIXED PART OF PLUG-IN INTO FIXED PART OF WITHDRAWABLE

| Code | No. of poles | Pack Carton |
|-----------|-----------------|----------------|
| GW D8 080 | 3P - 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the relative conversion kit with the fixed part.

MTXM 800 - MTX/E/M 1000 (800 A)

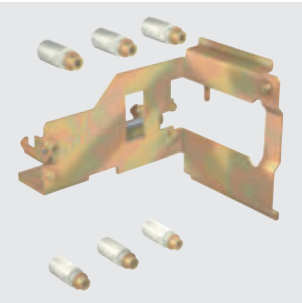


GW D8 031

FIXED PARTS FOR EXTRACTABLE VERSIONS

| Code | No. of poles | Pack Carton |
|---|-----------------|----------------|
| Suitable for: Extended front terminals - (EF) | | |
| GW D8 031 | 3P | 1 |
| GW D8 032 | 4P | 1 |
| Suitable for: Vertical flat rear terminals - (VR) | | |
| GW D8 038 | 3P | 1 |
| GW D8 039 | 4P | 1 |
| Suitable for: Horizontal flat rear terminals - (HR) | | |
| GW D8 045 | 3P | 1 |
| GW D8 046 | 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the fixed part with the relative conversion kit.



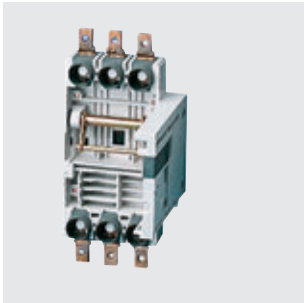
GW D8 072

CONVERSION KIT FROM FIXED INTO MOVING PART OF WITHDRAWABLE

| Code | No. of poles | Pack Carton |
|-----------|-----------------|----------------|
| GW D8 072 | 3P | 1 |
| GW D8 073 | 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the relative conversion kit with the fixed part.

MTSE/M 1600



GW 98 221

FIXED PARTS FOR WITHDRAWABLE VERSIONS

| Code | No. of poles | Pack Carton |
|--|-----------------|----------------|
| Suitable for: Extended front terminals - (EF) | | |
| GW 98 221 | 3P | 1 |
| GW 98 222 | 4P | 1 |
| Suitable for: Vertical flat rear terminals - (VR) | | |
| GW 98 223 | 3P | 1 |
| GW 98 224 | 4P | 1 |
| Suitable for: Horizontal flat rear terminals - (HR) | | |
| GW 98 225 | 3P | 1 |
| GW 98 226 | 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the fixed part with the relative conversion kit.



GW 98 227

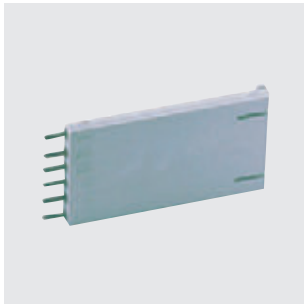
CONVERSION KIT FROM FIXED INTO MOVING PART OF WITHDRAWABLE

| Code | No. of poles | Pack Carton |
|-----------|-----------------|----------------|
| GW 98 227 | 3P | 1 |
| GW 98 228 | 4P | 1 |

NOTE: to obtain the withdrawable versions, associate the relative conversion kit with the fixed part.

ACCESSORIES FOR MCCB'S

CONNECTORS FOR ACCESSORIES



GW D8 133

CONNECTORS FOR ACCESSORIES FOR PLUG-IN AND WITHDRAWABLE VERSIONS

| Code | Type of accessory | Type of accessory | Number of three-way switches | Number of pin | Pack Carton |
|--|-------------------------|--------------------|------------------------------|---------------|-------------|
| Suitable for: MTX/E/M 160/c-250 | | | | | |
| GW D8 133 | Opening releases | | | 3 | 1 |
| GW D8 134 | Frontal motor operating | Auxiliary contacts | 2 | 6 | 1 |
| GW D8 135 | Auxiliary contacts | | 4 | 12 | 1 |
| Suitable for: MTX/E/M 320-1000 | | | | | |
| GW D8 164 | Opening releases | | | 5 | 1 |
| GW D8 165 | Auxiliary contacts | | 2 | 6 | 1 |
| GW D8 166 | Motor operating | Opening releases | | 10 | 1 |
| GW D8 167 | Auxiliary contacts | | 4 | 12 | 1 |
| Suitable for: MTSE/M 1600 | | | | | |
| GW 98 296 | Opening releases | | | | 1 |
| GW 98 311 | Auxiliary contacts | | 2 | | 1 |
| GW 98 336 | Motor operating | Opening releases | | | 1 |

NOTE: for the MTXE 160 auxiliary contacts (3 three-way switches), it is necessary to use both the GWD8133 and GWD8134 connector.

The GWD8134 is always supplied with the frontal motor operating.

In the case of installation of both motor operating and auxiliary contacts it is necessary to use the GWD8166 connectors for MTX/E/M 320-1000 or GW98336 connector for MTSE/M 1600.

CONNECTORS FOR MTSE/M 1600 ACCESSORIES

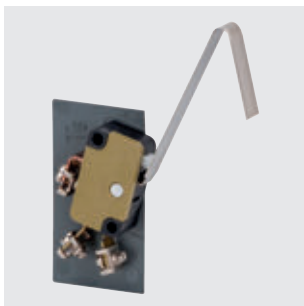


GW 98 310

CONNECTORS FOR MTSE/M 1600 ACCESSORIES

| Code | Description | For MCCB | Length (m) | Pack Carton |
|----------------------------------|---|----------|------------|-------------|
| Suitable for: MTSE/M 1600 | | | | |
| GW 98 295 | For opening release | Fixed | 2 | 1 |
| GW 98 310 | For auxiliary contacts | Fixed | 2 | 1 |
| GW 98 335 | For motor operating and auxiliary contact | Fixed | 2 | 1 |

ACCESSORIES FOR FIXED PARTS



GW 98 481

POSITION CONTACTS FOR FIXED PART OF PLUG-IN OR WITHDRAWABLE VERSIONS

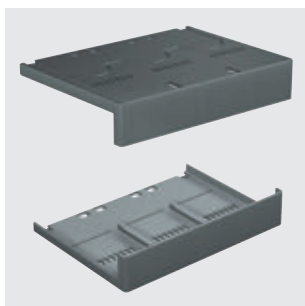
| Code | Type of indicator | Type of signal | Pack Carton |
|---------------------------------------|-------------------|----------------|-------------|
| Suitable for: MTX/E/M 160-250 | | | |
| GW D8 158 | Switch in | | 1 |
| Suitable for: MTX/E/M 320-1000 | | | |
| GW D8 159 | Switch in | | 1 |
| GW D8 160 | Switch out | | 1 |
| Suitable for: MTSE/M 1600 | | | |
| GW 98 481 | Switch out | | 1 |
| GW 98 482 | Switch out | Digital signal | 1 |
| GW 98 483 | Switch in | | 1 |
| GW 98 484 | Switch in | Digital signal | 1 |

KEY LOCK FOR FIXED PART OF WITHDRAWABLE VERSIONS

| Code | Type | Key | Pack Carton |
|---------------------------------------|--------------|-------------------------------------|-------------|
| Suitable for: MTX/E/M 320-1000 | | | |
| GW D8 086 | Key lock | | 1 |
| GW D8 087 | Key lock | RONIS | 1 |
| Suitable for: MTSE/M 1600 | | | |
| GW 98 485 | Key lock | Different for each circuit breaker | 1 |
| GW 98 486 | Key lock | Same for groups of circuit breakers | 1 |
| GW 98 487 | Padlock lock | | 1 |
| GW 98 367 | Key lock | RONIS | 1 |

GW98485: always supplied with different keys.

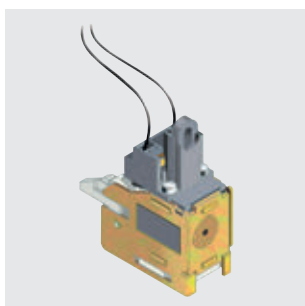
GW98486: always supplied with the same key.



GW D8 091

INSULATION TERMINAL COVERS FOR FIXED PARTS

| Code | No. of poles | Pack Carton |
|---|--------------|-------------|
| Suitable for: MTX/E/M 320 | | |
| GW D8 091 | 3P | 1 |
| GW D8 092 | 4P | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | |
| GW D8 093 | 3P | 1 |
| GW D8 094 | 4P | 1 |

OPENING RELEASES


GW D8 101

SHUNT TRIP RELEASES

| Code | Supply voltage | Pack Carton |
|--|---------------------|-------------|
| Suitable for: MTX/E/M 160/c-250 | | |
| GW D8 101 | 12 V dc | 1 |
| GW D8 102 | 24-30 V ac/dc | 1 |
| GW D8 103 | 48-60 V ac/dc | 1 |
| GW D8 104 | 127 V ac - 125 V dc | 1 |
| GW D8 105 | 240 V ac - 250 V dc | 1 |
| GW D8 106 | 380-440 V ac | 1 |
| Suitable for: MTX/E/M 320-1000 | | |
| GW D8 107 | 24-30 V ac/dc | 1 |
| GW D8 108 | 48-60 V ac/dc | 1 |
| GW D8 109 | 127 V ac - 125 V dc | 1 |
| GW D8 110 | 240 V ac - 250 V dc | 1 |
| GW D8 111 | 380-440 V ac | 1 |
| Suitable for: MTSE/M 1600 | | |
| GW 98 260 | 24 V ac/dc | 1 |
| GW 98 261 | 48 V ac/dc | 1 |
| GW 98 263 | 120 V ac - 125 V dc | 1 |
| GW 98 264 | 240 V ac - 250 V dc | 1 |
| GW 98 265 | 380-400 V ac | 1 |

NOTE: the releases of the MCCB's MTSE/M 1600 must be completed with the relative connectors.



GW D8 117

UNDER VOLTAGE RELEASES

| Code | Supply voltage | Pack Carton |
|--|---------------------|-------------|
| Suitable for: MTX/E/M 160/c-250 | | |
| GW D8 117 | 24-30 V ac/dc | 1 |
| GW D8 118 | 48 V ac/dc | 1 |
| GW D8 119 | 127 V ac - 125 V dc | 1 |
| GW D8 120 | 240 V ac - 250 V dc | 1 |
| GW D8 121 | 380-400 V ac | 1 |
| Suitable for: MTX/E/M 320-1000 | | |
| GW D8 122 | 24-30 V ac/dc | 1 |
| GW D8 123 | 48 V ac/dc | 1 |
| GW D8 124 | 127 V ac - 125 V dc | 1 |
| GW D8 125 | 240 V ac - 250 V dc | 1 |
| GW D8 126 | 380-400 V ac | 1 |
| Suitable for: MTSE/M 1600 | | |
| GW 98 281 | 24 V ac | 1 |
| GW 98 282 | 48 V ac | 1 |
| GW 98 284 | 110-127 V ac | 1 |
| GW 98 285 | 220-250 V ac | 1 |
| GW 98 286 | 380-440 V ac | 1 |
| GW 98 288 | 24 V dc | 1 |
| GW 98 289 | 48 V dc | 1 |
| GW 98 291 | 110-125 V dc | 1 |
| GW 98 292 | 220-250 V dc | 1 |

NOTE: the releases of the MCCB's MTSE/M 1600 must be completed with the relative connectors.



GW 98 268

ELECTRONIC DELAY DEVICE FOR UNDER VOLTAGE RELEASES

| Code | Suitable for | Supply voltage | Pack Carton |
|-----------|--------------------|-----------------|-------------|
| GW D8 136 | MTX/E/M 160/c-1000 | 220-250 V ac/dc | 1 |
| GW 98 268 | MTSE/M 1600 | 110-220 V ac | 1 |

NOTE: the GWD8136 can only be used with the under voltage release with power supply voltage 240 V ac - 250 V dc.
The GW98268 is already equipped with an under voltage release

AUXILIARY CONTACTS



GW D8 141

AUXILIARY CONTACTS

| Code | No. CO contact | No. CO fault indic. switch | Contact rating in AC (A) | Contact rating in DC (A) | Pack Carton |
|---------------------------------------|----------------|----------------------------|--------------------------|--------------------------|-------------|
| Suitable for: MTX/M 160/c-250 | | | | | |
| GW D8 141 | 3 | 1 | 6(125 V)-5(250 V) | 0.3(125 V)-0.15(250 V) | 1 |
| GW D8 142 | 1 | 1 | 6(125 V)-5(250 V) | 0.3(125 V)-0.15(250 V) | 1 |
| Suitable for: MTXE 160 | | | | | |
| GW D8 151 | 1 | 2 | 6(125 V)-5(250 V) | 0.3(125 V)-0.15(250 V) | 1 |
| GW D8 152 | 2 | 1 | 6(125 V)-5(250 V) | 0.3(125 V)-0.15(250 V) | 1 |
| Suitable for: MTX/E/M 320-1000 | | | | | |
| GW D8 143 | 1 | 1 | 6(125 V)-5(250 V) | 0.3(125 V)-0.15(250 V) | 1 |
| GW D8 144 | 3 | 1 | 6(125 V)-5(250 V) | 0.3(125 V)-0.15(250 V) | 1 |
| GW D8 145 | 1 | 1 | 12(250 V)-3(400 V) | 0.5(125 V)-0.3(250 V) | 1 |
| GW D8 146 | 2 | - | 12(250 V)-3(400 V) | 0.5(125 V)-0.3(250 V) | 1 |
| Suitable for: MTSE/M 1600 | | | | | |
| GW 98 300 | 2 | - | 6(250 V)-3(400 V) | 0.3(125 V)-0.15(250 V) | 1 |
| GW 98 301 | 1 | 1 | 6(250 V)-3(400 V) | 0.3(125 V)-0.15(250 V) | 1 |

NOTE: one of the two CO fault indicator switches of the GWD8151 indicates the tripping of the electronic release.
The auxiliary contacts of the MCCB's MTSE/M 1600 must be completed with the relative connectors.



GW 98 305

AUXILIARY CONTACTS FOR DIGITAL SIGNALS

| Code | Type of contacts | Contact type | Pack Carton |
|----------------------------------|-------------------------|-----------------------------|-------------|
| Suitable for: MTSE/M 1600 | | | |
| GW 98 305 | 2 CO auxiliary contacts | | 1 |
| GW 98 306 | 1 CO auxiliary contacts | 1 CO fault indicator switch | 1 |
| GW 98 307 | 1NO + 1NC | 1 CO fault indicator switch | 1 |

NOTE: the auxiliary contacts of the MCCB's MTSE/M 1600 must be completed with the relative connectors.



GW 98 424

ANTICIPATED CONSENT CONTACTS WITH CONNECTOR

| Code | Description | Application | Pack Carton |
|----------------------------------|---------------------|---------------------------|-------------|
| Suitable for: MTSE/M 1600 | | | |
| GW 98 424 | Contact + connector | For under voltage release | 1 |

MOTOR OPERATING



GW D8 172

SOLENOID MOTOR OPERATING

| Code | Supply voltage | Pack Carton |
|---|-----------------|-------------|
| Suitable for: MTX/E/M 160/c-250 - Front mounting | | |
| GW D8 171 | 110-250 V ac/dc | 1 |
| Suitable for: MTX/E/M 160c-160 - Side mounting | | |
| GW D8 172 | 110-250 V ac/dc | 1 |

NOTE: the motor operating GWD8172 can only be assembled on a DIN rail EN 50022 choosing the fixing bracket GWD8265.



GW D8 176

ENERGY ACCUMULATION MOTOR OPERATING

| Code | Supply voltage | Pack Carton |
|--|-----------------|-------------|
| Suitable for: MTX/E/M 320-630 | | |
| GW D8 173 | 24 V dc | 1 |
| GW D8 174 | 220-250 V ac/dc | 1 |
| Suitable for: MTXM 800-MTX/E/M 1000 | | |
| GW D8 175 | 24 V dc | 1 |
| GW D8 176 | 220-250 V ac/dc | 1 |
| Suitable for: MTSE/M 1600 | | |
| GW 98 326 | 24 V dc | 1 |
| GW 98 331 | 220-250 V ac/dc | 1 |
| GW 98 332 | 380 V ac | 1 |

NOTE: the motor operating of the MCCB's MTSE/M 1600 must be completed with the relative connectors.

ROTARY CONTROL



GW D8 186

DIRECT ROTARY HANDLE CONTROL

| Code | Type | For MCCB | Pack Carton |
|--|-----------|------------------------|-------------|
| Suitable for: MTX/E/M 160/c-250 | | | |
| GW D8 181 | | Fixed and plug-in | 1 |
| GW D8 182 | Emergency | Fixed and plug-in | 1 |
| Suitable for: MTX/E/M 320-630 | | | |
| GW D8 183 | | Fixed and plug-in | 1 |
| GW D8 184 | | Withdrawable | 1 |
| Suitable for: MTXM 800-MTX/E/M 1000 | | | |
| GW D8 185 | | Fixed | 1 |
| GW D8 186 | | Withdrawable | 1 |
| Suitable for: MTSE/M 1600 | | | |
| GW 98 344 | | Fixed | 1 |
| GW 98 345 | | Withdrawable | 1 |
| GW 98 346 | Emergency | Fixed and withdrawable | 1 |



GW 98 354

CONTROL WITH ROTARY SHAFT EXTENDED HANDLE

| Code | Type | Distance | For MCCB | Pack Carton |
|--|-------------------|---------------------------|-------------------|-------------|
| Suitable for: MTX/E/M 160/c-250 | | | | |
| GW D8 187 | On door | Adjustable (Lmax=470.5mm) | Fixed and plug-in | 1 |
| GW D8 188 | Emergency on door | Adjustable (Lmax=470.5mm) | Fixed and plug-in | 1 |
| Suitable for: MTX/E/M 320-630 | | | | |
| GW D8 189 | On door | Adjustable (Lmax=500 mm) | Fixed and plug-in | 1 |
| GW D8 190 | Emergency on door | Adjustable (Lmax=500 mm) | Fixed and plug-in | 1 |
| GW D8 191 | On door | Adjustable (Lmax=500 mm) | Withdrawable | 1 |
| GW D8 192 | Emergency on door | Adjustable (Lmax=500 mm) | Withdrawable | 1 |
| Suitable for: MTXM 800-MTX/E/M 1000 | | | | |
| GW D8 193 | On door | Adjustable (Lmax=500 mm) | Fixed | 1 |
| GW D8 194 | Emergency on door | Adjustable (Lmax=500 mm) | Fixed | 1 |
| GW D8 195 | On door | Adjustable (Lmax=500 mm) | Withdrawable | 1 |
| GW D8 196 | Emergency on door | Adjustable (Lmax=500 mm) | Withdrawable | 1 |
| Suitable for: MTSE/M 1600 | | | | |
| GW 98 354 | On door | Adjustable (Lmax=500 mm) | Fixed | 1 |
| GW 98 355 | On door | Adjustable (Lmax=500 mm) | Withdrawable | 1 |
| GW 98 356 | Emergency on door | Adjustable (Lmax=500 mm) | Fixed | 1 |



GW 98 490

IP54 GASKET FOR ROTARY HANDLE CONTROL

| Code | Suitable for | Pack Carton |
|-----------|-------------------|-------------|
| GW D8 197 | MTX/E/M 160/c-250 | 1 |
| GW D8 198 | MTX/E 320-1000 | 1 |
| GW 98 490 | MTSE/M 1600 | 1 |

MECHANICAL BLOCK AND INTERLOCK



GW D8 223

FRONTAL

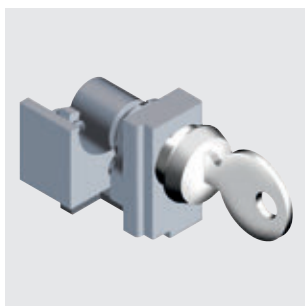
| Code | Type | For MCCB | Pack Carton |
|--|-------------------|-------------------|-------------|
| Suitable for: MTX/E/M 320-630 | | | |
| GW D8 221 | For level control | Fixed and plug-in | 1 |
| GW D8 222 | For level control | Withdrawable | 1 |
| Suitable for: MTXM 800-MTX/E/M 1000 | | | |
| GW D8 223 | For level control | Fixed | 1 |
| GW D8 224 | For level control | Withdrawable | 1 |
| Suitable for: MTSE/M 1600 | | | |
| GW 98 361 | For level control | Fixed | 1 |
| GW 98 362 | For level control | Withdrawable | 1 |



GW D8 201

PADLOCKS LEVER LOCK

| Code | Type | Application | Pack Carton |
|--|----------------|--------------------------------|-------------|
| Suitable for: MTX/E/M 160/c-250 | | | |
| GW D8 201 | Plug-in device | Closing manoeuvre lock | 1 |
| GW D8 202 | Front plate | Opening/closing manoeuvre lock | 1 |

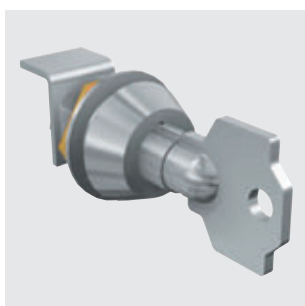


GW D8 205

RONIS KEY LOCK IN OPEN POSITION

| Code | Type | For MCCB | Pack Carton |
|-----------|----------|------------|-------------|
| GW D8 205 | Key lock | MTX/M 160c | 1 |
| GW D8 206 | Key lock | MTX/E 160 | 1 |
| GW D8 207 | Key lock | MTX/M 250 | 1 |

NOTE: blocks supplied with identical keys.



GW D8 210

KEY LOCK FOR ROTARY HANDLE

| Code | Type | For MCCB | Pack Carton |
|-----------|----------|-------------------|-------------|
| GW D8 210 | Key lock | MTX/E/M 160/c-250 | 1 |

NOTE: block supplied with different keys.



GW D8 213

KEY LOCK FOR FRONT AND/OR ROTARY HANDLE

| Code | Type | For MCCB | Pack Carton |
|-----------|----------|-----------------------|-------------|
| GW D8 213 | Key lock | MTX/E/M 320-630 | 1 |
| GW D8 214 | Key lock | MTXM 800-MTX/E/M 1000 | 1 |
| GW 98 366 | Key lock | MTSE/M 1600 | 1 |

NOTE: blocks GWD8213 and GWD8214 are supplied with different keys. Block GW98366 is supplied with identical keys.

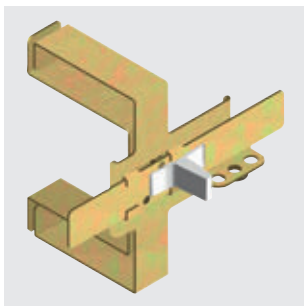


GW 98 364

KEY LOCK FOR MOTOR OPERATING

| Code | Type | For MCCB | Characteristics | Pack Carton |
|-----------|----------|-----------------------|------------------------|-------------|
| GW D8 217 | Key lock | MTX/E/M 320-630 | | 1 |
| GW D8 218 | Key lock | MTXM 800-MTX/E/M 1000 | | 1 |
| GW 98 364 | Key lock | MTSE/M 1600 | | 1 |
| GW 98 365 | Key lock | MTSE/M 1600 | Against manual control | 1 |

NOTE: block GW98364 is supplied with identical keys. Blocks GW98365, GWD8217 and GWD8218 are supplied with different keys.



GW D8 226

FRONT MECHANICAL INTERLOCK BETWEEN TWO MCCB'S

| Code | Suitable for | Pack Carton |
|-----------|-------------------|-------------|
| GW D8 226 | MTX/E/M 160/c-250 | 1 |



GW D8 230

REAR MECHANICAL INTERLOCK BETWEEN TWO MTX/E/M 320-630 MCCB'S ON PLATE

| Code | For MCCB | For MCCB | Characteristics | Pack Carton |
|-----------|-----------------------------------|-----------------------------------|-----------------|-------------|
| GW D8 230 | | | Frame | 1 |
| GW D8 231 | MTX/E 320 (F/P/W) | MTX/E 320 (F/P/W) | Horizontal | 1 |
| GW D8 234 | MTX/E 630 400 A (F/P/W)-630 A (F) | MTX/E 630 400 A (F/P/W)-630 A (F) | Horizontal | 1 |
| GW D8 235 | MTX/E 630 400 A (F/P/W)-630 A (F) | MTX/E 630 (P/W) | Horizontal | 1 |
| GW D8 236 | MTX/E 630 (P/W) | MTX/E 630 (P/W) | Horizontal | 1 |

NOTE: the mechanical interlock consists of a frame and a specific back mounting for the related MCCB's and the execution type (F=Fixed, P=Plug-in, W=Withdrawable).
Also valid for MTXM 320/400/630 in the same executions.



GW 98 380

REAR MECHANICAL INTERLOCK BETWEEN TWO MCCB'S ON PLATE

| Code | Suitable for | Installation | Pack Carton |
|-----------|-----------------------|--------------|-------------|
| GW D8 237 | MTX/M 250 | Horizontal | 1 |
| GW D8 238 | MTXM 800-MTX/E/M 1000 | Horizontal | 1 |
| GW 98 380 | MTSE/M 1600 | Horizontal | 1 |

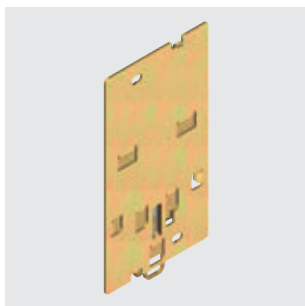


GW D8 239

SEALABLE BLOCKAGE OF THERMAL ADJUSTMENT

| Code | Suitable for | Pack Carton |
|-----------|-------------------|-------------|
| GW D8 239 | MTX/E/M 160/c-250 | 1 |

BRACKETS FOR FIXING ON DIN RAIL



GW D8 261

BRACKETS FOR FIXING ON DIN RAIL

| Code | Type | Characteristics | Pack Carton |
|------------------------------------|--------------|---------------------------|-------------|
| Suitable for: MTX/E/M 160/c | | | |
| GW D8 261 | DIN EN 50022 | | 1 |
| GW D8 263 | DIN EN 50022 | With "L"-shape add-on RCD | 1 |
| GW D8 265 | DIN EN 50022 | With side motor operating | 1 |
| GW D8 266 | DIN EN 50022 | With lowered add-on RCD | 1 |
| Suitable for: MTX/M 250 | | | |
| GW D8 262 | DIN EN 50022 | | 1 |
| GW D8 264 | DIN EN 50022 | With "L"-shape add-on RCD | 1 |

CONNECTION TERMINALS



GW D8 321

EXTENDED FRONT TERMINALS (EF)

| Code | Rated current | No. of elements | Pack Carton |
|--|---------------|-----------------|-------------|
| Suitable for: MTX/M 160c | | | |
| GW D8 321 | 160 A | 3 | 1 |
| GW D8 327 | 160 A | 4 | 1 |
| Suitable for: MTX/E 160 | | | |
| GW D8 322 | 160 A | 3 | 1 |
| GW D8 328 | 160 A | 4 | 1 |
| Suitable for: MTX/M 250 | | | |
| GW D8 323 | 250 A | 3 | 1 |
| GW D8 329 | 250 A | 4 | 1 |
| Suitable for: MTX/E/M 320 | | | |
| GW D8 324 | 320 A | 3 | 1 |
| GW D8 330 | 320 A | 4 | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | | |
| GW D8 325 | 630 A | 3 | 1 |
| GW D8 331 | 630 A | 4 | 1 |
| Suitable for: MTXM 800-MTX/E/M 1000 | | | |
| GW D8 326 | 1000 A | 3 | 1 |
| GW D8 332 | 1000 A | 4 | 1 |
| Suitable for: MTSE/M 1600 | | | |
| GW 98 389 | 1600 A | 3 | 1 |
| GW 98 390 | 1600 A | 4 | 1 |



GW D8 361

FRONT EXTENDED SPREAD TERMINALS (ES)

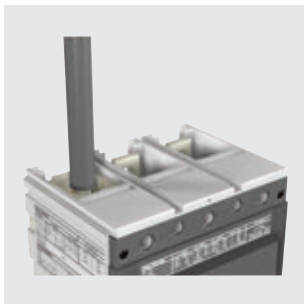
| Code | Type | Rated current | Number of terminals | Pack Carton |
|--|---------------|---------------|---------------------|-------------|
| Suitable for: MTX/E 160 | | | | |
| GW D8 361 | | 160 A | 3 | 1 |
| GW D8 367 | | 160 A | 4 | 1 |
| Suitable for: MTX/M 250 | | | | |
| GW D8 362 | | 250 A | 3 | 1 |
| GW D8 368 | | 250 A | 4 | 1 |
| Suitable for: MTX/E/M 320 | | | | |
| GW D8 363 | | 320 A | 3 | 1 |
| GW D8 369 | | 320 A | 4 | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | | | |
| GW D8 364 | | 630 A | 3 | 1 |
| GW D8 370 | | 630 A | 4 | 1 |
| Suitable for: MTXM 800-MTX/E/M 1000 | | | | |
| GW D8 365 | 1/2 kit upper | 1000 A | 3 | 1 |
| GW D8 366 | 1/2 kit lower | 1000 A | 3 | 1 |
| GW D8 371 | | 1000 A | 4 | 1 |
| Suitable for: MTSE/M 1600 | | | | |
| GW 98 399 | 1/2 kit upper | 1600 A | 3 | 1 |
| GW 98 400 | 1/2 kit lower | 1600 A | 3 | 1 |
| GW 98 401 | | 1600 A | 4 | 1 |



GW D8 381

FRONT TERMINALS FOR COPPER CABLES (FC CU)

| Code | Rated current | Number of terminals | Pack Carton |
|---|---------------|---------------------|-------------|
| Suitable for: MTX/E 160 | | | |
| GW D8 381 | 160 A | 3 | 1 |
| GW D8 385 | 160 A | 4 | 1 |
| Suitable for: MTX/M 250 | | | |
| GW D8 382 | 250 A | 3 | 1 |
| GW D8 386 | 250 A | 4 | 1 |
| Suitable for: MTX/E/M 320 | | | |
| GW D8 383 | 320 A | 3 | 1 |
| GW D8 387 | 320 A | 4 | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | | |
| GW D8 384 | 630 A | 3 | 1 |
| GW D8 388 | 630 A | 4 | 1 |



GW D8 341

FRONT TERMINALS FOR COPPER/ALUMINIUM CABLES (FC CU-AL)

| Code | Cable section | Rated current | Number of terminals | Pack Carton |
|--|------------------------|---------------|---------------------|-------------|
| Suitable for: MTX/M 160c | | | | |
| GW D8 341 | 35-95 mm ² | 160 A | 3 | 1 |
| GW D8 349 | 35-95 mm ² | 160 A | 4 | 1 |
| Suitable for: MTX/E 160 | | | | |
| GW D8 342 | 1-95 mm ² | 160 A | 3 | 1 |
| GW D8 350 | 1-95 mm ² | 160 A | 4 | 1 |
| Suitable for: MTX/M 250 | | | | |
| GW D8 343 | 70-185 mm ² | 250 A | 3 | 1 |
| GW D8 351 | 70-185 mm ² | 250 A | 4 | 1 |
| Suitable for: MTX/E/M 320 | | | | |
| GW D8 344 | 1x185 mm ² | 320 A | 3 | 1 |
| GW D8 352 | 1x185 mm ² | 320 A | 4 | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | | | |
| GW D8 345 | 1x240 mm ² | 400 A | 3 | 1 |
| GW D8 346 | 2x240 mm ² | 630 A | 3 | 1 |
| GW D8 353 | 1x240 mm ² | 400 A | 4 | 1 |
| GW D8 354 | 2x240 mm ² | 630 A | 4 | 1 |
| Suitable for: MTXM 800-MTX/E/M 1000 | | | | |
| GW D8 347 | 3x185 mm ² | 800 A | 3 | 1 |
| GW D8 348 | 4x150 mm ² | 1000 A | 3 | 1 |
| GW D8 355 | 3x185 mm ² | 800 A | 4 | 1 |
| GW D8 356 | 4x150 mm ² | 1000 A | 4 | 1 |
| Suitable for: MTSE/M 1600 | | | | |
| GW 98 421 | 4x240 mm ² | 1250 A | 3 | 1 |
| GW 98 422 | 4x240 mm ² | 1250 A | 4 | 1 |



GW D8 391

FRONT MULTI-CABLE TERMINALS (MC)

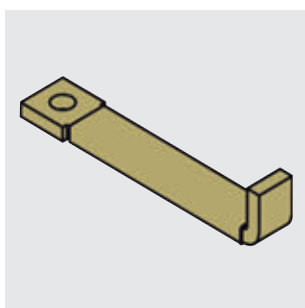
| Code | Cable section | Number of terminals | Pack Carton |
|---|----------------------|---------------------|-------------|
| Suitable for: MTX/E/M 320 | | | |
| GW D8 391 | 6x35 mm ² | 3 | 1 |
| GW D8 393 | 6x35 mm ² | 4 | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | | |
| GW D8 392 | 6x35 mm ² | 3 | 1 |
| GW D8 394 | 6x35 mm ² | 4 | 1 |



GW D8 401

REAR TERMINALS (R)

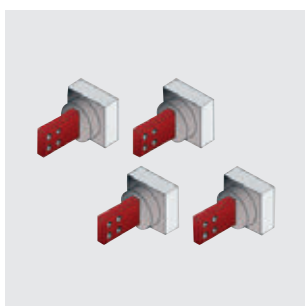
| Code | Rated current | Number of terminals | Pack Carton |
|--|---------------|---------------------|-------------|
| Suitable for: MTX/E 160 | | | |
| GW D8 401 | 160 A | 3 | 1 |
| GW D8 406 | 160 A | 4 | 1 |
| Suitable for: MTX/M 250 | | | |
| GW D8 402 | 250 A | 3 | 1 |
| GW D8 407 | 250 A | 4 | 1 |
| Suitable for: MTX/E/M 320 | | | |
| GW D8 403 | 320 A | 3 | 1 |
| GW D8 408 | 320 A | 4 | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | | |
| GW D8 404 | 630 A | 3 | 1 |
| GW D8 409 | 630 A | 4 | 1 |
| Suitable for: MTXM 800-MTX/E/M 1000 | | | |
| GW D8 405 | 1000 A | 3 | 1 |
| GW D8 410 | 1000 A | 4 | 1 |



GW D8 416

HORIZONTAL FLAT REAR TERMINALS (HR)

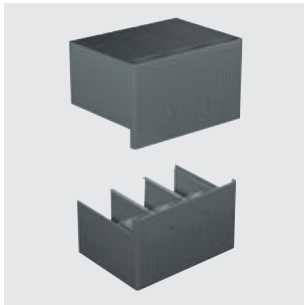
| Code | Rated current | Number of terminals | Pack Carton |
|------------------------------------|---------------|---------------------|-------------|
| Suitable for: MTX/M 160c | | | |
| GW D8 416 | 160 A | 3 | 1 |
| GW D8 417 | 160 A | 4 | 1 |
| Suitable for: MTX/M 160c+BD | | | |
| GW D8 418 | 160 A | 4 | 1 |



GW 98 435

HORIZONTAL OR VERTICAL FLAT REAR TERMINALS

| Code | Rated current | Number of terminals | Pack Carton |
|----------------------------------|---------------|---------------------|-------------|
| Suitable for: MTSE/M 1600 | | | |
| GW 98 434 | 1600 A | 3 | 1 |
| GW 98 435 | 1600 A | 4 | 1 |



GW D8 271

PAIR OF ISOLATING TERMINAL COVERS

| Code | No. of poles | Type | Suitable for MCCB | Pack Carton |
|--|--------------|------|------------------------------|-------------|
| Suitable for: MTX/M 160c | | | | |
| GW D8 271 | 3P | High | Fixed | 1 |
| GW D8 281 | 4P | High | Fixed | 1 |
| GW D8 291 | 3P | Low | Fixed | 1 |
| GW D8 301 | 4P | Low | Fixed | 1 |
| Suitable for: MTX/E 160 | | | | |
| GW D8 272 | 3P | High | Fixed | 1 |
| GW D8 282 | 4P | High | Fixed | 1 |
| GW D8 292 | 3P | Low | Fixed and plug-in | 1 |
| GW D8 302 | 4P | Low | Fixed and plug-in | 1 |
| Suitable for: MTX/M 250 | | | | |
| GW D8 273 | 3P | High | Fixed | 1 |
| GW D8 283 | 4P | High | Fixed | 1 |
| GW D8 293 | 3P | Low | Fixed and plug-in | 1 |
| GW D8 303 | 4P | Low | Fixed and plug-in | 1 |
| Suitable for: MTX/E/M 320 | | | | |
| GW D8 274 | 3P | High | Fixed | 1 |
| GW D8 284 | 4P | High | Fixed | 1 |
| GW D8 294 | 3P | Low | Fixed, plug-in, withdrawable | 1 |
| GW D8 304 | 4P | Low | Fixed, plug-in, withdrawable | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | | | |
| GW D8 275 | 3P | High | Fixed | 1 |
| GW D8 285 | 4P | High | Fixed | 1 |
| GW D8 295 | 3P | Low | Fixed, plug-in, withdrawable | 1 |
| GW D8 305 | 4P | Low | Fixed, plug-in, withdrawable | 1 |
| Suitable for: MTXM 800-MTX/E/M 1000 | | | | |
| GW D8 276 | 3P | High | Fixed | 1 |
| GW D8 286 | 4P | High | Fixed | 1 |
| GW D8 296 | 3P | Low | Fixed and withdrawable | 1 |
| GW D8 306 | 4P | Low | Fixed and withdrawable | 1 |
| Suitable for: MTSE/M 1600 | | | | |
| GW 98 456 | 3P | Low | Fixed and withdrawable | 1 |
| GW 98 457 | 4P | Low | Fixed and withdrawable | 1 |

NOTE: low terminal covers guarantee an IP40 degree of protection for fixed circuit breakers with rear terminals and for the moving parts of plug-in and withdrawable circuit breakers. High terminal covers guarantee an IP40 degree of protection for fixed circuit breakers with front terminals, extended front terminals, and front terminals for cables.



GW D8 309

SCREWS FOR SEALING TERMINAL COVERS

| Code | Suitable for | Pack Carton |
|-----------|-----------------------|-------------|
| GW D8 309 | MTX/E/M 160/c-250 3P | 1 |
| GW D8 310 | MTXM 800-MTX/E/M 1000 | 1 |



GW D8 312

LOW SEPARATING PARTITIONS

| Code | Suitable for | No. of elements | Pack Carton |
|-----------|--------------------------|-----------------|-------------|
| GW D8 311 | MTX/E/M 160/c-250 3P | 4 | 1 |
| GW D8 312 | MTX/E/M 160/c-250 4P | 6 | 1 |
| GW D8 313 | MTX/E/M 320-630 3P | 4 | 1 |
| GW D8 314 | MTX/E/M 320-630 4P | 6 | 1 |
| GW D8 315 | MTXM 800-MTX/E/M 1000 3P | 4 | 1 |
| GW D8 316 | MTXM 400-MTX/E/M 1000 4P | 6 | 1 |

ACCESSORIES FOR ELECTRONIC RELEASES



GW 98 458

TEST UNIT

| Code | Type | Pack Carton |
|-----------|-----------|----------------|
| GW 98 458 | Test unit | 1 |

AUTOMATIC SWITCHOVER CONTROL UNIT



GW D8 421

AUTOMATIC SWITCHOVER CONTROL UNIT

| Code | Type | Rated voltage (V) | Installation | Pack Carton |
|-----------|---------|----------------------|----------------|----------------|
| GW D8 421 | ATS | 480 ac | Panel/DIN rail | 1 |
| GW D8 422 | ATS PRO | 480 ac | Panel/DIN rail | 1 |

NOTES: ATS:

- Monitoring of normal/emergency lines
- Management of MCCB's of the normal/emergency lines
- Generator start-up
- Adjustable delay on generator switch-off

ATS PRO (in addition to the ATS functions):

- Possibility to control a third busbar connector MCCB's
- Management of both lines as not-priority lines
- Modbus RS485 dialogue
- Display

For the correct functioning of the switchover control unit, each MCCB's requires the following accessories:

- Auxiliary contact with tripped relay 3-way switch and open/closed 3-way switch
- Motor operating
- Key-operated lock for motor operating
- Signalling contact for MCCB's enabled (only for extractable MCCB's)
- Plate with rear mechanical interlock

In addition:

- 2 contactors 3NO+NC GWD6718
- 2 fuse-holder bases 3P+N GW96312, each with 3 fuses 6 A GW72105



COMPLETE AND SPECIFIC
ACCESSORIES



The MTX range is full of common accessories that streamline the installation and allow to reach additional functions such as remote opening, operating status by remote, engine control etc.

SOLUTIONS
FOR AN INTEGRATED SYSTEM



The MTX range integrates perfectly with 47 CVX and 46 distribution boards thanks to the installation kit on plate and on DIN rail.

IDEAL RANGE
FOR EVERY NEED



The moulded case circuit breakers MTX range is made up of circuit breakers with thermo-magnetic release, circuit breakers with magnetic release only, circuit breakers with electronic release, switch disconnectors, add-on residual current circuit breaker.

MCCB WITH THERMOMAGNETIC AND MAGNETIC RELEASES

MTX 160c

| THERMOMAGNETIC RELEASES - TM1 | | | | | | | | | | | | | |
|---|-------------------|-------------------|-------------------|-------------------|-----|-----|-----|-----|-----|-----|------|------|------|
| L1 - L2 - L3 (Ith)* | (A) | 16 ⁽¹⁾ | 20 ⁽¹⁾ | 25 ⁽²⁾ | 32 | 40 | 50 | 63 | 80 | 100 | 125 | 160 | |
| Neutral (Ith)* | (A) | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 80 | 100 | 125 | 160 | |
| MTX 160c | | | | | | | | | | | | | |
| Circuit breaker for power distribution | I ₃ ** | (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 800 | 1000 | 1250 | 1600 |
| (1) Breaking capacity B only (2) Breaking capacity B and C only | | | | | | | | | | | | | |
| The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1xIth). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip. The adjusted current value obtained should be considered rated at 40°C | | | | | | | | | | | | | |
| Neutral 100% protected | | | | | | | | | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current with fixed threshold | | | | | | | | | | | | | |

MTX 160

| THERMOMAGNETIC RELEASES - TM1 | | | | | | |
|---|-------------------|-----|-----|-----|-----|-----|
| L1 - L2 - L3 (Ith)* | | (A) | 10 | 16 | 20 | 25 |
| Neutral (Ith)* | | (A) | 10 | 16 | 20 | 25 |
| MTX 160 | | | | | | |
| Circuit breaker for power distribution | I ₃ ** | (A) | 100 | 500 | 500 | 500 |
| The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1x Ith). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip. | | | | | | |
| The adjusted current value obtained should be considered rated at 40°C | | | | | | |
| Neutral 100% protected | | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current with fixed threshold | | | | | | |

MTX 160

| THERMOMAGNETIC RELEASES FOR GENERATOR PROTECTION - TMG | | | | | | | | | |
|--|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| L1 - L2 - L3 (Ith)* | (A) | 25 | 40 | 63 | 80 | 100 | 125 | 160 | |
| Neutral (Ith)* | (A) | 25 | 40 | 63 | 80 | 100 | 125 | 160 | |
| MTX 160 | | | | | | | | | |
| Circuit breaker for generator protection | I ₃ ** = 3xIn | (A) | 160 | 200 | 200 | 240 | 300 | 375 | 480 |
| The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1x Ith). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip. The adjusted current value obtained should be considered rated at 40°C | | | | | | | | | |
| Neutral 100% protected | | | | | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current with fixed threshold | | | | | | | | | |

MTX 160

| MAGNETIC RELEASES FOR MOTOR PROTECTION - M | | | | | | | | | | | | | | | | | |
|---|-------------------|------------------|--------------------|------------------|--------------------|--------------------|------------------|------------------|--------------------|--------------------|-------------------|---------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| L1 - L2 - L3 (Ith)* | (A) | 1 ⁽¹⁾ | 1.6 ⁽¹⁾ | 2 ⁽¹⁾ | 2.5 ⁽¹⁾ | 3.2 ⁽¹⁾ | 4 ⁽¹⁾ | 5 ⁽¹⁾ | 6.5 ⁽¹⁾ | 8.5 ⁽¹⁾ | 11 ⁽¹⁾ | 12.5 ⁽¹⁾ | 20 ⁽²⁾ | 32 ⁽²⁾ | 52 ⁽²⁾ | 80 ⁽²⁾ | 100 ⁽²⁾ |
| MTX 160 | | | | | | | | | | | | | | | | | |
| Circuit breaker for motor protection | I ₃ ** | (A) | 13 | 21 | 26 | 33 | 42 | 52 | 65 | 84 | 110 | 145 | 163 | 240 | 384 | 624 | 1200 |
| (1) I3 = 13xIth; (2) I3 = (6 ÷ 12) Ith | | | | | | | | | | | | | | | | | |
| The adjusted current value obtained should be considered rated at 40°C | | | | | | | | | | | | | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current | | | | | | | | | | | | | | | | | |

MTX 250

| THERMOMAGNETIC RELEASES - TM1 | | | | | | | | |
|--|---------------------------|-----|-----|-----|------|------|------|------|
| L1 - L2 - L3 (Ith)* | (A) | 63 | 80 | 100 | 125 | 160 | 200 | 250 |
| Neutral (Ith)* | (A) | 63 | 80 | 100 | 125 | 160 | 200 | 250 |
| MTX 250 | | | | | | | | |
| Circuit breaker for power distribution | I ₃ ** = 10xIn | (A) | 630 | 800 | 1000 | 1250 | 1600 | 2000 |
| The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1x Ith). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip. The adjusted current value obtained should be considered rated at 40°C | | | | | | | | |
| Neutral 100% protected | | | | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current with fixed threshold | | | | | | | | |

MTX 250

| THERMOMAGNETIC RELEASES FOR GENERATOR PROTECTION - TMG | | | | | | | | |
|--|--------------------------|-----|-----|-----|-----|-----|-----|-----|
| L1 - L2 - L3 (Ith)* | (A) | 63 | 80 | 100 | 125 | 160 | 200 | 250 |
| Neutral (Ith)* | (A) | 63 | 80 | 100 | 125 | 160 | 200 | 250 |
| MTX 250 | | | | | | | | |
| Circuit breakers for generator protection | I ₃ ** = 3xIn | (A) | 400 | 400 | 400 | 400 | 480 | 600 |
| The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1x Ith). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip. The adjusted current value obtained should be considered rated at 40°C | | | | | | | | |
| Neutral 100% protected | | | | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current with fixed threshold | | | | | | | | |

MTX 250

| MAGNETIC RELEASES FOR MOTOR PROTECTION - M | | | | | |
|---|-------------------|--------------------|--------------------|--------------------|--------------------|
| L1 - L2 - L3 (Ith)* | (A) | 100 ⁽¹⁾ | 125 ⁽¹⁾ | 160 ⁽¹⁾ | 200 ⁽¹⁾ |
| MTX 250 | | | | | |
| Circuit breaker for motor protection | I ₃ ** | (A) | 1200 | 1500 | 1920 |
| (1) I3 = (6 - 12) Ith | | | | | |
| The adjusted current value obtained should be considered rated at 40°C | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current | | | | | |

MTX 320

| THERMOMAGNETIC RELEASES - TM2 | | | | | | | |
|--|---------------------|-----|--------------------|--------------------|--------------------|--------------------|--------------------|
| | L1 - L2 - L3 (Ith)* | (A) | 100 ⁽¹⁾ | 125 ⁽¹⁾ | 160 ⁽¹⁾ | 200 ⁽¹⁾ | 250 ⁽¹⁾ |
| | Neutral (Ith)* | (A) | 100 ⁽¹⁾ | 125 ⁽¹⁾ | 160 ⁽¹⁾ | 200 ⁽¹⁾ | 250 ⁽¹⁾ |
| MTX 320 | | | | | | | |
| Circuit breaker for power distribution | I ₃ ** | (A) | 1000 | 1250 | 1600 | 2000 | 2500 |
| ⁽¹⁾ I3 = (5 ÷ 10) Ith | | | | | | | |
| The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1x Ith). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip. The adjusted current value obtained should be considered rated at 40°C | | | | | | | |
| Neutral 100% protected | | | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current with fixed threshold | | | | | | | |

MTX 630

| THERMOMAGNETIC RELEASES - TM2 | | | | | |
|--|---------------------|-----|--------------------|--------------------|--------------------|
| | L1 - L2 - L3 (Ith)* | (A) | 320 ⁽¹⁾ | 400 ⁽¹⁾ | 500 ⁽¹⁾ |
| | Neutral (Ith)* | (A) | 320 ⁽¹⁾ | 400 ⁽¹⁾ | 500 ⁽¹⁾ |
| MTX 630 | | | | | |
| Circuit breaker for power distribution | I ₃ ** | (A) | 1000 | 1250 | 1600 |
| ⁽¹⁾ I3 = (5 - 10) Ith | | | | | |
| The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1x Ith). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip. The adjusted current value obtained should be considered rated at 40°C | | | | | |
| Neutral 100% protected | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current | | | | | |

MTX 1000

| THERMOMAGNETIC RELEASES - TM2 | | | | |
|--|---------------------|-----|--------------------|--------------------|
| | L1 - L2 - L3 (Ith)* | (A) | 630 ⁽¹⁾ | 800 ⁽¹⁾ |
| | Neutral (Ith)* | (A) | 630 ⁽¹⁾ | 800 ⁽¹⁾ |
| MTX 1000 | | | | |
| Circuit breaker for power distribution | I ₃ ** | (A) | 6300 | 8000 |
| ⁽¹⁾ I3 = (5 - 10) Ith | | | | |
| The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1x Ith). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip. The adjusted current value obtained should be considered rated at 40°C | | | | |
| Neutral 100% protected | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current | | | | |

MCCB WITH ELECTRONIC RELEASES

MTXE 160

| SEP/1 ELECTRONIC RELEASES | | | | | | | |
|--|---------------------|-----|----------|----------|-----------|------------|------------|
| | L1 - L2 - L3 (Ith)* | (A) | 10 | 25 | 63 | 100 | 160 |
| | Neutral (Ith)* | (A) | 10 | 25 | 63 | 100 | 160 |
| MTXE 160 | | | | | | | |
| Circuit breaker for power distribution | L | (A) | 4 / 10 | 10 / 25 | 25.2 / 63 | 40 / 100 | 64 / 160 |
| | S | (A) | 10 / 100 | 25 / 250 | 63 / 630 | 100 / 1000 | 160 / 1600 |
| | I | (A) | 10 / 100 | 25 / 250 | 63 / 630 | 100 / 1000 | 160 / 1600 |
| The adjusted current value obtained should be considered rated at 40°C | | | | | | | |
| Neutral 100% protected | | | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral | | | | | | | |

MTXE 320

| SEP/1 - SEP/2 ELECTRONIC RELEASES | | | | | | | |
|--|-------|------------------|-----|------------|------------|------------|------------|
| L1 - L2 - L3 (Ith)* | | (A) | | 100 | 160 | 250 | 320 |
| Neutral (Ith)* | | (A) | | 100 | 160 | 250 | 320 |
| MTXE 320 | | | | | | | |
| Circuit breaker for power distribution | SEP/1 | L | (A) | 40 / 100 | 64 / 160 | 100 / 250 | 128 / 320 |
| | | S ⁽¹⁾ | (A) | 100 / 1000 | 160 / 1600 | 250 / 2500 | 320 / 3200 |
| | | I ⁽¹⁾ | (A) | 100 / 1000 | 160 / 1600 | 250 / 2500 | 320 / 3200 |
| | SEP/2 | L | (A) | 40 / 100 | 64 / 160 | 100 / 250 | 128 / 320 |
| | | S ⁽¹⁾ | (A) | 60 / 1000 | 96 / 1600 | 150 / 2500 | 192 / 3200 |
| | | I ⁽¹⁾ | (A) | 150 / 1200 | 240 / 1920 | 375 / 3000 | 480 / 3840 |
| | | G | (A) | 20 / 100 | 32 / 160 | 50 / 250 | 64 / 320 |
| (1) MTXE 320 In=320A; MTXE 630 In=630A; MTXE 1000 In=1000A = MAX adjustment 9.5 X In | | | | | | | |
| The adjusted current value obtained should be considered rated at 40°C | | | | | | | |
| Neutral 50% or 100% protected | | | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral | | | | | | | |

MTXE 630

| SEP/1 - SEP/2 ELECTRONIC RELEASES | | | | | |
|---|-------|------------------|-----|------------|------------|
| L1 - L2 - L3 (Ith)* | | (A) | | 400 | 630 |
| Neutral (Ith)* | | (A) | | 400 | 630 |
| MTXE 630 | | | | | |
| Circuit breaker for power distribution | SEP/1 | L | (A) | 160 / 400 | 252 / 630 |
| | | S ⁽¹⁾ | (A) | 400 / 4000 | 630 / 6300 |
| | | I ⁽¹⁾ | (A) | 400 / 4000 | 630 / 6300 |
| | SEP/2 | L | (A) | 160 / 400 | 252 / 630 |
| | | S ⁽¹⁾ | (A) | 240 / 4000 | 378 / 6300 |
| | | I ⁽¹⁾ | (A) | 240 / 4800 | 378 / 7560 |
| | | G | (A) | 80 / 400 | 126 / 630 |
| ⁽¹⁾ MTXE 320 In=320A; MTXE 630 In=630A; MTXE 1000 In=1000A = MAX adjustment 9.5 X In | | | | | |
| The adjusted current value obtained should be considered rated at 40°C | | | | | |
| Neutral 50% or 100% protected | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral | | | | | |

MTXE 1000

| SEP/1 - SEP/2 ELECTRONIC RELEASES | | | | | | |
|--|-------|------------------|-----|------------|------------|--------------|
| L1 - L2 - L3 (Ith)* | | (A) | | 630 | 800 | 1000 |
| Neutral (Ith)* | | (A) | | 630 | 800 | 1000 |
| MTXE 1000 | | | | | | |
| Circuit breaker for power distribution | SEP/1 | L | (A) | 252 / 630 | 320 / 800 | 400 / 1000 |
| | | S ⁽¹⁾ | (A) | 630 / 6300 | 800 / 8000 | 1000 / 10000 |
| | | I ⁽¹⁾ | (A) | 630 / 6300 | 800 / 8000 | 1000 / 10000 |
| | SEP/2 | L | (A) | 252 / 630 | 320 / 800 | 400 / 1000 |
| | | S ⁽¹⁾ | (A) | 378 / 6300 | 480 / 8000 | 600 / 10000 |
| | | I ⁽¹⁾ | (A) | 378 / 7560 | 480 / 9600 | 600 / 12000 |
| | | G | (A) | 126 / 630 | 160 / 800 | 200 / 1000 |
| (1) MTXE 320 In=320A; MTXE 630 In=630A; MTXE 1000 In=1000A = MAX adjustment 9.5 X In | | | | | | |
| The adjusted current value obtained should be considered rated at 40°C | | | | | | |
| Neutral 50% or 100% protected | | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral | | | | | | |

MTSE 1600

















| SEP/A - SEP/B ELECTRONIC RELEASES | | | | | |
|--|-------|-----|-----|--------------|--------------|
| L1 - L2 - L3 (Ith)* | | (A) | | 1250 | 1600 |
| Neutral (Ith)* | | (A) | | 1250 | 1600 |
| MTSE 1600 | | | | | |
| Circuit breaker for power distribution | SEP/A | L | (A) | 500 / 1250 | 640 / 1600 |
| | | S | (A) | 1250 / 12500 | 1600 / 16000 |
| | | I | (A) | 1875 / 15000 | 2400 / 19200 |
| | SEP/B | L | (A) | 500 / 1250 | 640 / 1600 |
| | | S | (A) | 1250 / 12500 | 1600 / 16000 |
| | | I | (A) | 1875 / 15000 | 2400 / 19200 |
| | | G | (A) | 500 / 1250 | 640 / 1600 |
| The adjusted current value obtained should be considered rated at 40°C | | | | | |
| Neutral 50% or 100% protected | | | | | |
| * "Ith" indicates the calibration current of the relay to protect the phases and neutral | | | | | |

ADJUSTING THE ELECTRONIC RELEASES



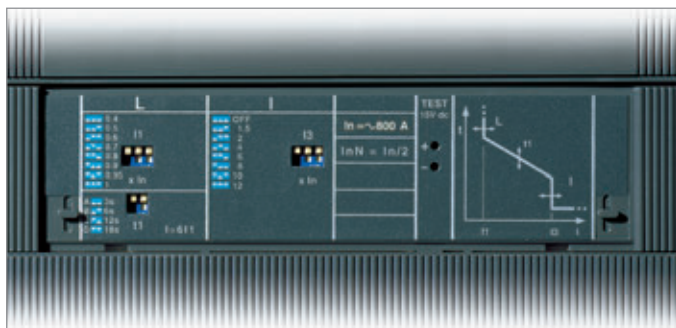
SEP/1 electronic release

SEP/2 electronic release

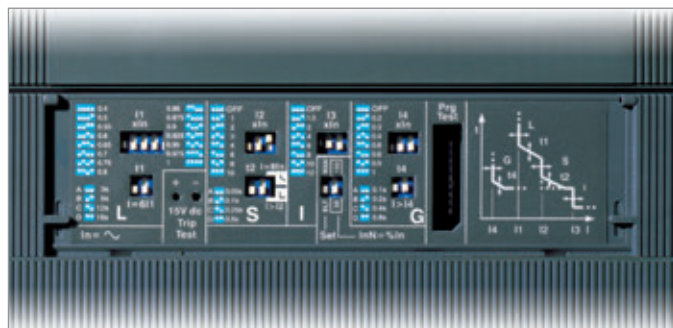
| TRIPPING THRESHOLDS AND CHARACTERISTICS | | | | | |
|--|--|---|--|---|--|
| Protection function | | | SEP/1 | | |
| | | | Tripping threshold | Tripping characteristic | |
| Overload protection | | | $I_1 = 0.40 \times I_n$ step = $0.04 \times I_n$ | at $6 \times I_1$ $t_1 = 3\text{-}6\text{s}$ (MTXE 160) 12s (MTXE 320 - MTX 630 - MTX 1000) | |
|  | Against overloads, with reverse long time delayed tripping and time-dependent tripping characteristic |  | MTXE 160 Release between $1.05\text{...}1.30 \times I_1$ | Tolerance: MTXE 160 $\pm 10\%$ up to $2 \times I_n$ - $\pm 20\%$ above $2 \times I_n$ | |
| | | | MTXE 320 - MTXE 630 - MTXE 1000 Release between $1.1\text{...}1.30 \times I_1$ | MTXE 320 - MTXE 630 - MTXE 1000 $\pm 10\%$ up to $6 \times I_n$ - $\pm 20\%$ above $6 \times I_n$ | |
| Short-circuit protection long delay | | |  | $I_2^{(1)} = 1 - 1.5 - 2 - 2.5 - 3 - 3.5 - 4.5 - 5.5 - 6.5 - 7 - 7.5 - 8 - 8.5 - 9 - 10 \times I_n$ | |
|  | Against short-circuiting, with reverse short time delayed tripping and time-dependent ($I^2t = \text{constant}$) or time-independent tripping characteristic |  | Tolerance: MTXE 160 $\pm 10\%$ up to $2 \times I_n$ - $\pm 20\%$ above $2 \times I_n$ | Tolerance: MTXE 160 $\pm 20\%$ | |
| | | | MTXE 320 - MTXE 630 - MTXE 1000 $\pm 10\%$ | MTXE 320 - MTXE 630 - MTXE 1000 $\pm 10\%$ up to $6 \times I_n$ - $\pm 20\%$ above $6 \times I_n$ | |
| CAN BE EXCLUDED | | | | | |
| Instantaneous short-circuit protection | | | $I_3^{(1)} = 1 - 1.5 - 2 - 2.5 - 3 - 3.5 - 4.5 - 5.5 - 6.5 - 7 - 7.5 - 8 - 8.5 - 9 - 10 \times I_n$ | Instantaneous | |
|  | Against short-circuiting, with instantaneous adjustable tripping |  | Tolerance: MTXE 160 $\pm 20\%$ MTXE 320 - MTXE 630 - MTXE 1000 $\pm 10\%$ | | |
| | | CAN BE EXCLUDED | | | |
| | | | SEP/2 | | |
| | | | Tripping threshold | Tripping characteristic | |
| Overload protection | | | $I_1 = 0.40 \times I_n$ step = $0.04 \times I_n$ | at $6 \times I_1$ $t_1^{(2)} = 3 - 6 - 9\text{ }18\text{s}$ | |
|  | Against overloads, with reverse long time delayed tripping and time-dependent tripping characteristic |  | Release between $1.1\text{...}1.30 \times I_1$ | Tolerance: $\pm 10\%$ | |
| | | | | | |
| Short-circuit protection long delay | | |  | $I_2^{(1)} = 0.6 - 1.2 - 1.8 - 2.4 - 3 - 3.6 - 4.2 - 5.8 - 6.4 - 7 - 7.6 - 8.2 - 8.8 - 9.4 - 10 \times I_n$ | |
|  | Against short-circuiting, with reverse short time delayed tripping and time-dependent ($I^2t = \text{constant}$) or time-independent tripping characteristic |  | Tolerance: $\pm 10\%$ | For $t = k/I^2$ at $8 \times I_n$ $t_2 = 0.05 - 0.1 - 0.25 - 0.5\text{s}$ | |
| | | | | For $t = k$ $t_2 = 0.05 - 0.1 - 0.25 - 0.5\text{s}$ | |
| CAN BE EXCLUDED | | | | | |
| Instantaneous short-circuit protection | | | $I_3^{(1)} = 1.5 - 2.5 - 3 - 4 - 4.5 - 5 - 5.5 - 6.5 - 7 - 7.5 - 8 - 9 - 9.5 - 10.5 - 12 \times I_n$ | Instantaneous | |
|  | Against short-circuiting, with instantaneous adjustable tripping |  | Tolerance: $\pm 10\%$ | | |
| | | CAN BE EXCLUDED | | | |
| Earthing protection | | | $I_4 = 0.2 - 0.25 - 0.45 - 0.55 - 0.75 - 0.8 - 1 \times I_n$ | Up to $3.15 \times I_4$: $t_4 = 0.1\text{s}$ | |
|  | Against earthing faults, with reverse short time delayed tripping and time-dependent tripping characteristic ($I^2t = \text{constant}$) |  | Tolerance: $\pm 10\%$ | Up to $2.25 \times I_4$: $t_4 = 0.2\text{s}$ | |
| | | | | Up to $1.6 \times I_4$: $t_4 = 0.4\text{s}$ | |
| | | | | Up to $1.10 \times I_4$: $t_4 = 0.8\text{s}$ | |
| CAN BE EXCLUDED | | | | | |

⁽¹⁾ MTXE 320 $I_n=320A$; MTXE 630 $I_n=630A$; MTXE 1000 $I_n=1000A$ = MAX adjustment $9.5 \times I_n$.

⁽²⁾ MTXE 320 $I_n=320A$; MTXE 630 $I_n=630A$; MTXE 1000 $I_n=1000A$ = $t_1 = 10,5s$.









SEP/A electronic release



SEP/B electronic release

| TRIPPING THRESHOLDS AND CHARACTERISTICS | | | | |
|---|---|--------------------|--|--|
| Protection function | | Tripping threshold | | Tripping characteristic |
| Overload protection | | | | |
| L | Against overloads, with reverse long time delayed tripping and time-dependent tripping characteristic | | $I1 = 0,4 - 0,5 - 0,6 - 0,7 - 0,8 - 0,9 - 0,95 - 1 \times I_n$ $I1 = 0,4 - 0,5 - 0,55 - 0,6 - 0,65 - 0,7 - 0,75 - 0,8 - 0,85 - 0,875 - 0,9 - 0,925 - 0,95 - 0,975 - 1 \times I_n$ Release between 1,05 ... 1,30 x I1 (IEC 60947-2) | at 6 x I1 at 6 x I1 at 6 x I1 at 6 x I1 $t1 = 3s$ $t1 = 6s$ $t1 = 12s$ $t1 = 18s$ (Tolerance: + 10% up to 2 x In; + 20% above 2 x In) |
| Short-circuit protection long delay | | | | |
| S | Against short-circuiting, with reverse short time delayed tripping and time-dependent ($I2t = \text{constant}$) or time-independent tripping characteristic | | $I2 = 1 - 2 - 3 - 4 - 6 - 8 - 10 \times I_n$ Tolerance: + 10% | at 8 x I1 at 8 x I1 at 8 x I1 at 8 x I1 $t2 = 0,05s$ $t2 = 0,1s$ $t2 = 0,25s$ $t2 = 0,5s$ (Tolerance: + 20%) |
| CAN BE EXCLUDED | | | | |
| Instantaneous short-circuit protection | | | | |
| I | Against short-circuiting, with instantaneous adjustable tripping | | $I3 = 1,5 - 2 - 4 - 6 - 8 - 10 - 12 \times I_n$ Tolerance: + 20% | Instantaneous |
| CAN BE EXCLUDED | | | | |
| Earthing protection | | | | |
| G | Against earthing faults, with reverse short time delayed tripping and time-dependent tripping characteristic ($I4t = \text{constant}$) | | $I4 = 0,2 - 0,3 - 0,4 - 0,6 - 0,8 - 0,9 - 1 \times I_n$ Tolerance: + 20% | up to 3,25 x I4 up to 2,25 x I4 up to 1,6 x I4 up to 1,25 x I4 $t4 = 100ms$ $t4 = 200ms$ $t4 = 400ms$ $t4 = 800ms$ (Tolerance + 10% up to 2 x In; + 20% above 2 x In) |
| CAN BE EXCLUDED | | | | |

Selection tables

| | MSS SWITCH DISCONNECTORS | | | | | | | | | |
|--------|---|-----------|---|-----------|---|-----------|--|-----------|---|---|
| | MSS 125 | | MSS 160 | | MSS 250 | | MSS 630 | | MSS 125 THREE-WAY SWITCH (I O II) | MSS ATS 160 AUTOMATIC THREE WAY SWITCH |
| |  | |  | |  | |  | |  |  |
| In [A] | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P | 4P | 4P |
| 63 | GW 97 721 | GW 97 724 | - | - | - | - | - | - | - | - |
| 100 | GW 97 722 | GW 97 725 | - | - | - | - | - | - | - | - |
| 125 | GW 97 723 | GW 97 726 | - | - | - | - | - | - | GW 97 761 | - |
| 160 | - | - | GW 97 727 | GW 97 728 | - | - | - | - | - | GW 97 767 |
| 250 | - | - | - | - | GW 97 729 | GW 97 730 | - | - | - | - |
| 400 | - | - | - | - | - | - | GW 97 731 | GW 97 733 | - | - |
| 630 | - | - | - | - | - | - | GW 97 732 | GW 97 734 | - | - |

DOOR COUPLING ROTARY HANDLES - IP65



| MSS 125 - MSS 160 | | MSS 250 - MSS 400 - MSS 630 | | MSS 125 - THREE-WAY SWITCH (I O II) |
|-------------------|------------|-----------------------------|------------|-------------------------------------|
| Black handle | Red handle | Black handle | Red handle | Black handle |
| GW 98 521 | GW 98 524 | GW 98 522 | GW 98 525 | GW 98 523 |

Note: all the rotary handles include transmission rods.

AUXILIARY CONTACTS



| MSS 125 - MSS 160 | MSS 250 - MSS 630 | MSS 125 - THREE-WAY SWITCH (I O II) | MSS 160 ATS - AUTOMATIC THREE-WAY SWITCH |
|-------------------|-------------------|-------------------------------------|--|
| GW 98 514 | GW 98 515 | GW 98 516 | GW 97 774 |

TERMINAL COVERS (1 CODE = 1 PIECE)



| MSS 160 | MSS 250 | | MSS 630 | | MSS 160 ATS AUTOMATIC THREE-WAY SWITCH |
|-----------|-----------|-----------|-----------|-----------|---|
| 3P - 4P | 3P | 4P | 3P | 4P | 4P |
| GW 98 508 | GW 98 509 | GW 98 510 | GW 98 511 | GW 98 512 | GW 97 773 |

97 MSS

Rotary switch disconnectors

The MSS rotary control switch disconnectors guarantee robustness and reliability in the control and isolation of circuits up to 630 A. The range consists of four different sizes depending on the current with high performance both in alternating current and in direct current.



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MSS - ROTARY SWITCH DISCONNECTORS UP TO 630 A

MSS 125 - SWITCH DISCONNECTORS



GW 97 724

SWITCH DISCONNECTORS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 3P | | | | |
| GW 97 721 | 63 A | 400 V | 6 | 1 |
| GW 97 722 | 100 A | 400 V | 6 | 1 |
| GW 97 723 | 125 A | 400 V | 6 | 1 |
| No. of poles: 4P | | | | |
| GW 97 724 | 63 A | 400 V | 6 | 1 |
| GW 97 725 | 100 A | 400 V | 6 | 1 |
| GW 97 726 | 125 A | 400 V | 6 | 1 |

NOTE: mounting on DIN rail EN 50022 or on plate.

MSS 160 - SWITCH DISCONNECTORS



GW 97 728

SWITCH DISCONNECTORS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 3P | | | | |
| GW 97 727 | 160 A | 400 V | 8 | 1 |
| No. of poles: 4P | | | | |
| GW 97 728 | 160 A | 400 V | 8 | 1 |

NOTE: mounting on DIN rail EN 50022 or on plate.

MSS 250 - SWITCH DISCONNECTORS



GW 97 730

SWITCH DISCONNECTORS

| Code | Rated current | Rated voltage | Pack Carton |
|-------------------------|---------------|---------------|-------------|
| No. of poles: 3P | | | |
| GW 97 729 | 250 A | 400 V | 1 |
| No. of poles: 4P | | | |
| GW 97 730 | 250 A | 400 V | 1 |

NOTE: mounting on plate.

MSS 630 - SWITCH DISCONNECTORS



GW 97 734

SWITCH DISCONNECTORS

| Code | Rated current | Rated voltage | Pack Carton |
|-------------------------|---------------|---------------|-------------|
| No. of poles: 3P | | | |
| GW 97 731 | 400 A | 400 V | 1 |
| GW 97 732 | 630 A | 400 V | 1 |
| No. of poles: 4P | | | |
| GW 97 733 | 400 A | 400 V | 1 |
| GW 97 734 | 630 A | 400 V | 1 |

NOTE: mounting on plate.

MSS 125 - THREE-WAY SWITCH DISCONNECTOR (I O II)



GW 97 761

THREE-WAY SWITCH DISCONNECTOR (I O II)



| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 4P | | | | |
| GW 97 761 | 125 A | 400 V | 12 | 1 |

NOTE: mounting on DIN rail EN 50022 or on plate.

MSS 160 ATS - AUTOMATIC THREE-WAY SWITCH DISCONNECTORS



GW 97 767

MONOBLOC AUTOMATIC SWITCHOVER SYSTEM WITH 3 POSITIONS

| Code | Rated current | Rated voltage | No. of modules EN 50022 | Pack Carton |
|-------------------------|---------------|---------------|-------------------------|-------------|
| No. of poles: 4P | | | | |
| GW 97 767 | 160 A | 230 V | 19 | 1 |

APPLICATIONS:

- line switchover via remote control;
 - automatic inversion - while charged - of the source of two low voltage networks;
 - management of power supply rescue systems, with interruption of the supply to the load during transfer.
- It is possible to force operation in manual mode, via the AUTO/MAN selector.

NOTE: mounting on DIN rail EN 50022 or on plate.

DOOR COUPLING ROTARY HANDLES - IP65



GW 98 522

DOOR COUPLING ROTARY HANDLES - IP65

| Code | Handle colour | Length shaft | Pack Carton |
|---|-----------------|--------------|-------------|
| Suitable for: MSS 125 / MSS 160 | | | |
| GW 98 521 | Black | 200 mm | 1 |
| GW 98 524 | Red - emergency | 200 mm | 1 |
| Suitable for: MSS 250 / MSS 630 | | | |
| GW 98 522 | Black | 320 mm | 1 |
| GW 98 525 | Red - emergency | 320 mm | 1 |
| Suitable for: MSS 125 - Three-way switch disconnectors | | | |
| GW 98 523 | Black | 200 mm | 1 |

NOTE: all the rotary coupling handles include a shaft extension.

APPLICATIONS: the rotary coupling handles include a door locking function.

AUXILIARY CONTACTS



GW 98 516

AUXILIARY CONTACTS

| Code | No. of pieces | Max no. of pieces per switch | No. and type of contact | Contact rating | Pack Carton |
|--|---------------|------------------------------|-------------------------|----------------|-------------|
| Suitable for: MSS 125 / MSS 160 | | | | | |
| GW 98 514 | 1 | 2 | 1 Changeover | 5 A - 250 V | 1 |
| Suitable for: MSS 250 / MSS 630 | | | | | |
| GW 98 515 | 1 | 1 | 1 Changeover | 16 A - 250 V | 1 |
| Suitable for: MSS 125 - Three-way switch disconnecter | | | | | |
| GW 98 516 | 2 | 2 | 1 Changeover | 5 A - 250 V | 1 |
| Suitable for: MSS 160 ATS - Automatic three-way switch disconnecter | | | | | |
| GW 97 774 | 1 | 2 | 3 Changeover | 5 A - 250 V | 1 |



GW 97 775

SOCKET-OUTLET CLAMP

| Code | No. of elements | Pack Carton |
|--|-----------------|-------------|
| Suitable for: MSS 160 ATS - Automatic three-way switch disconnecter | | |
| GW 97 775 | 2 | 1 |

APPLICATION: makes 2 connection terminals available for wires with a section 6lt;= 1.5 mm and 2 single-pole.
Can be assembled in all terminals, without altering the capacity of the power terminals.

TERMINAL COVERS



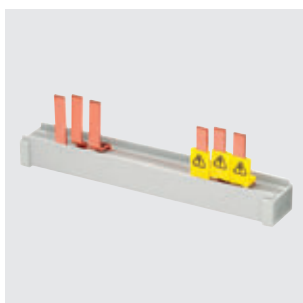
GW 98 508

TERMINAL COVERS

| Code | No. of poles | Number of terminal covers | Pack Carton |
|--|--------------|---------------------------|-------------|
| Suitable for: MSS 160 | | | |
| GW 98 508 | 3P - 4P | 1 | 1 |
| Suitable for: MSS 250 | | | |
| GW 98 509 | 3P | 1 | 1 |
| GW 98 510 | 4P | 1 | 1 |
| Suitable for: MSS 630 | | | |
| GW 98 511 | 3P | 1 | 1 |
| GW 98 512 | 4P | 1 | 1 |
| Suitable for: MSS 160 ATS - Automatic three-way switch disconnecter | | | |
| GW 97 773 | 4P | 2 | 1 |

NOTE: for upstream and downstream protection, order 2 items with this code.

INSTALLATION ACCESSORIES



GW 98 517

COMMON OUTPUT POINT BUSBAR

| Code | No. of poles | Pack Carton |
|--|--------------|-------------|
| Suitable for: MSS 125 - Three-way switch disconnecter | | |
| GW 98 517 | 4P | 1 |
| Suitable for: MSS 160 ATS - Automatic three-way switch disconnecter | | |
| GW 97 772 | 4P | 1 |

APPLICATION: facilitate the creation of a common point upstream or downstream for MSS 125 (GW98517), and output only for MSS 160 ATS (GW97772), avoiding the use of cables. The use of this accessory does not alter the capacity of the power terminals.

97 MSS



FULLY ACCESSORIZED



To meet specific needs, the switch-disconnectors can be fitted with IP65 watertight rotary handles (shaft extension included), auxiliary contacts, terminal covers, parallel connections.

HIGH PERFORMANCE



The MSS disconnectors, guarantee a high performance both with alternating current and direct current ensure the maximum hold in the event of shortcircuit or a high number operations in dangerous conditions.







PERFECT INTEGRATION



Thanks to the dedicated installation kit MSS switch disconnectors are perfectly integrated with the 47 CVX distribution boards. The high versatility of the MSS disconnectors allow a total synergy with the 46 range of automation and distribution boards.

ROTARY SWITCH DISCONNECTORS - MSS







Technical data

| TYPE | | | MSS 125 | | | MSS 160 | MSS 250 | MSS 630 | | MSS 125 (Three-way switch) | MSS ATS 160 | |
|--|-------------------|--------------------------------|---|---|---|---|--|---|---|---|---|----------------------------|
| | | |  | | |  |  |  | |  |  | |
| Reference Standard: | | | EN 60947-3 | | | | | | | | | EN 60947-3 EN 60947-6-1 |
| Rated current (In): (A) | | | 63 | 100 | 125 | 160 | 250 | 400 | 630 | 125 | 160 | |
| No. poles: | | | 3-4 | 3-4 | 3-4 | 3-4 | 3-4 | 3-4 | 3-4 | 4 | 4 | |
| Rated operational voltage (Ue): AC (V) | | | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | |
| DC (V) | | | 220 | 220 | 220 | 220 | 220 | 220 | 220 | - | 230 | |
| Maximum operating voltage (max Ue): AC (V) | | | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | |
| DC (V) | | | 440 | 440 | 440 | 440 | 500 | 500 | 500 | 220 | - | |
| Rated insulation voltage (Ui): AC (V) | | | 800 | 800 | 800 | 800 | 800 | 1000 | 1000 | 800 | 800 | |
| Rated impulse withstand voltage (Uimp): (kV) | | | 8 | 8 | 8 | 8 | 8 | 12 | 12 | 8 | 6 | |
| Voltage | | Category of use ⁽¹⁾ | Operating currents Ie (A) | | | | | | | | | |
| 400V AC | AC-21 A / AC-21 B | | 63 / 63 | 100 / 100 | 125 / 125 | 160 / 160 | 250 / 250 | 400 / 400 | 630 / 630 | 125 / 125 | 160 / 160 | |
| | AC-22 A / AC-22 B | | 63 / 63 | 100 / 100 | 125 / 125 | 160 / 160 | 250 / 250 | 400 / 400 | 630 / 630 | 125 / 125 | 160 / 160 | |
| | AC-23 A / AC-23 B | 63 / 63 | 63 / 63 | 63 / 63 | 160 / 160 | 250 / 250 | 400 / 400 | 500 / 500 | 63 / 63 | 125 / 160 | | |
| 415V AC | AC-31 A / AC-31 B | | - | - | - | - | - | - | - | - | 100 / 160 | |
| | AC-32 A / AC-32 B | | - | - | - | - | - | - | - | - | 100 / 160 | |
| | AC-33 A / AC-33 B | | - | - | - | - | - | - | - | - | - / 80 | |
| 500V AC | AC-21 A / AC-21 B | | 63 / 63 | 100 / 100 | 125 / 125 | 160 / 160 | 250 / 250 | 400 / 400 | 630 / 630 | - | - | |
| | AC-22 A / AC-22 B | | 63 / 63 | 100 / 100 | 100 / 100 | 160 / 160 | 250 / 250 | 400 / 400 | 500 / 500 | - | - | |
| | AC-23 A / AC-23 B | | 50 / 50 | 50 / 50 | 50 / 50 | 160 / 160 | 250 / 250 | 315 / 315 | 315 / 315 | - | - | |
| 690V AC ⁽²⁾ | AC-20 A / AC-20 B | | 63 / 63 | 100 / 100 | 125 / 125 | 160 / 160 | 250 / 250 | 400 / 400 | 630 / 630 | 125 / 125 | - | |
| | AC-21 A / AC-21 B | | 63 / 63 | 80 / 80 | 80 / 80 | 160 / 160 | 250 / 250 | 400 / 400 | 500 / 500 | 80 / 80 | 160 / 160 | |
| | AC-22 A / AC-22 B | | 40 / 40 | 40 / 40 | 40 / 40 | 160 / 160 | 125 / 160 | 250 / 315 | 315 / 315 | 40 / 40 | 100 / 125 | |
| | AC-23 A / AC-23 B | | 25 / 25 | 25 / 25 | 25 / 25 | 63 / 80 | 100 / 125 | 160 / 200 | 160 / 200 | 25 / 25 | 80 / 80 | |
| 220V DC | DC-20 A / DC-20 B | | 63 / 63 | 100 / 100 | 125 / 125 | 160 / 160 | 250 / 250 | 400 / 400 | 630 / 630 | 125 ⁽³⁾ / 125 ⁽³⁾ | - | |
| | DC-21 A / DC-21 B | | 63 ⁽³⁾ / 63 ⁽³⁾ | 100 ⁽³⁾ / 100 ⁽³⁾ | 125 ⁽³⁾ / 125 ⁽³⁾ | 160 ⁽³⁾ / 160 ⁽³⁾ | 250 / 250 | 400 / 400 | 630 / 630 | 125 ⁽³⁾ / 125 ⁽³⁾ | - | |
| | DC-22 A / DC-22 B | | 63 ⁽³⁾ / 63 ⁽³⁾ | 100 ⁽³⁾ / 100 ⁽³⁾ | 100 ⁽³⁾ / 100 ⁽³⁾ | 160 ⁽³⁾ / 160 ⁽³⁾ | 250 / 250 | 400 / 400 | 500 / 500 | 100 ⁽³⁾ / 100 ⁽³⁾ | - | |
| | DC-23 A / DC-23 B | | 63 ⁽³⁾ / 63 ⁽³⁾ | 63 ⁽³⁾ / 63 ⁽³⁾ | 63 ⁽³⁾ / 63 ⁽³⁾ | 160 ⁽³⁾ / 160 ⁽³⁾ | 200 / 200 | 400 / 400 | 500 / 500 | 63 ⁽³⁾ / 63 ⁽³⁾ | - | |
| 400V DC | DC-20 A / DC-20 B | | - | - | - | - | 250 / 250 | 400 / 400 | 630 / 630 | - | - | |
| | DC-21 A / DC-21 B | | - | - | - | - | 200 ⁽⁴⁾ / 200 ⁽⁴⁾ | 400 ⁽⁴⁾ / 400 ⁽⁴⁾ | 500 ⁽⁴⁾ / 500 ⁽⁴⁾ | - | - | |
| | DC-22 A / DC-22 B | | - | - | - | - | 200 ⁽⁴⁾ / 200 ⁽⁴⁾ | 400 ⁽⁴⁾ / 400 ⁽⁴⁾ | 500 ⁽⁴⁾ / 500 ⁽⁴⁾ | - | - | |
| | DC-23 A / DC-23 B | | - | - | - | - | 200 ⁽³⁾ / 200 ⁽³⁾ | 400 ⁽³⁾ / 400 ⁽³⁾ | 500 ⁽³⁾ / 500 ⁽³⁾ | - | - | |
| 440V DC | DC-20 A / DC-20 B | | 63 ⁽³⁾ / 63 ⁽³⁾ | 100 ⁽³⁾ / 100 ⁽³⁾ | 125 ⁽³⁾ / 125 ⁽³⁾ | 160 ⁽³⁾ / 160 ⁽³⁾ | - | - | - | - | - | |
| | DC-21 A / DC-21 B | | 40 ⁽³⁾ / 40 ⁽³⁾ | 40 ⁽³⁾ / 40 ⁽³⁾ | 40 ⁽³⁾ / 40 ⁽³⁾ | 160 ⁽³⁾ / 160 ⁽³⁾ | - | - | - | - | - | |
| | DC-22 A / DC-22 B | | 32 ⁽³⁾ / 32 ⁽³⁾ | 32 ⁽³⁾ / 32 ⁽³⁾ | 32 ⁽³⁾ / 32 ⁽³⁾ | 100 ⁽³⁾ / 100 ⁽³⁾ | - | - | - | - | - | |
| | DC-23 A / DC-23 B | | 32 ⁽³⁾ / 32 ⁽³⁾ | 32 ⁽³⁾ / 32 ⁽³⁾ | 32 ⁽³⁾ / 32 ⁽³⁾ | 63 ⁽³⁾ / 63 ⁽³⁾ | - | - | - | - | - | |
| 500V DC | DC-20 A / DC-20 B | | - | - | - | - | 250 / 250 | 400 / 400 | 630 / 630 | - | - | |
| | DC-21 A / DC-21 B | | - | - | - | - | 200 ⁽⁴⁾ / 200 ⁽⁴⁾ | 400 ⁽⁴⁾ / 400 ⁽⁴⁾ | 500 ⁽⁴⁾ / 500 ⁽⁴⁾ | - | - | |
| | DC-22 A / DC-22 B | | - | - | - | - | 200 ⁽³⁾ / 200 ⁽³⁾ | 315 ⁽³⁾ / 400 ⁽³⁾ | 500 ⁽³⁾ / 500 ⁽³⁾ | - | - | |
| | DC-23 A / DC-23 B | | - | - | - | - | 200 ⁽³⁾ / 200 ⁽³⁾ | 315 ⁽³⁾ / 400 ⁽³⁾ | 500 ⁽³⁾ / 500 ⁽³⁾ | - | - | |

⁽¹⁾ category with index A = frequent manoeuvres/category with index B = non-frequent manoeuvres; ⁽²⁾ with terminal covers or pole separation shield; ⁽³⁾ 4-pole device with 2 poles in series for each polarity; ⁽⁴⁾ 3-pole device with 2 poles in series for "+" and 1 pole for "-"; ⁽⁵⁾ indicates the peak current value for an operating voltage Ue = 400V AC; ⁽⁶⁾ for an operating voltage Ue = 400V AC; ⁽⁷⁾ connected directly on the frame; ⁽⁸⁾ also with terminals.

*In the case of special needs the locking function can be set also in position I or II.

Technical data

| TYPE | | MSS 125 | | | MSS 160 | MSS 250 | MSS 630 | | MSS 125 (Three-way switch) | MSS ATS 160 |
|---|-------------------------------------|---|------------------------|------------------------|---|--|---|--------------------|---|---|
| | |  | | |  |  |  | |  |  |
| Rated short-time withstand current (I _{cw}): | (kA) | 2.5 | 2.5 | 2.5 | 4 | 9 | 13 | 13 | 2.5 | 4 |
| Rated short-circuit making capacity (I _{cm}) ⁽⁵⁾ : | (kA) | 12 | 12 | 12 | 16 | 30 | 45 | 45 | 12 | 17 |
| Conditional short-circuit current with fuse (I _{cc}) ⁽⁶⁾ : | (kA) | 100 (gG 63) | 100 (gG 100) | 50 (gG 125) | 50 (gG 160) | 50 (gG 250) | 100 (gG 400) | 70 (gG 630) | 50 (gG 125) | 50 (gG 160) |
| Conditional short-circuit current with miniature circuit breakers (I _{cc}) ⁽⁶⁾ : | (kA) | | | | | | | | | |
| MT 60 | | 6 | 6 | 6 | - | - | - | - | 6 | - |
| MT 100 | | 10 | 10 | 10 | - | - | - | - | 10 | - |
| MTHP 160 | | 16 | 16 | 16 | 16 | - | - | - | 16 | 16 |
| MTHP 250 | | 25 | 25 | 25 | - | - | - | - | 25 | - |
| MTX 160c | B / C | 12 | 11 | 11 | 16 | 16 | - | - | 11 | 16 |
| | N | 12 | 11 | 11 | 20 | 36 | - | - | 11 | 20 |
| MTX/E 160 | N / S / H | 10 | 10 | 10 | 16 | 36 | - | - | 10 | 16 |
| MTX 250 / MTX/E 320 | N / S / H / L | 8 | 8 | 8 | 10 | 28 | - | - | 8 | 10 |
| | N | - | - | - | - | 22 | 36 | 36 | - | - |
| MTX/E 630 | S / H / L | - | - | - | - | 22 | 55 | 55 | - | - |
| | N | - | - | - | - | - | 36 | 36 | - | - |
| MTX/E 1000 | S / H / L | - | - | - | - | - | 40 | 40 | - | - |
| Pre-arrangement for lock in OFF position: | | yes (ø 6mm max) | yes (ø 6mm max) | yes (ø 6mm max) | yes (ø 6mm max) | yes (ø 8mm max) | yes (ø 8mm max) | yes (ø 8mm max) | yes (ø 6mm max) | yes (ø 8mm max)* |
| Mechanical endurance: | (n. of manoeuvre cycles) | 20,000 | 20,000 | 20,000 | 10,000 | 10,000 | 5,000 | 5,000 | 10,000 | 10,000 |
| Maximum no. of auxiliary contacts that can be installed: | | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 |
| Power loss at In: | (W/pole) | 1,2 | 3,1 | 5,7 | 3,3 | 5,8 | 10,8 | 30,9 | 5,7 | 7,5 |
| Minimum cable section: | (mm ²) | 4 | 4 | 4 | 10 | 95 | 185 | 2 x 150 | 4 | 6 |
| Maximum cable section: | rigid / flexible (mm ²) | 50 / 35 ⁽⁷⁾ | 50 / 35 ⁽⁷⁾ | 50 / 35 ⁽⁷⁾ | 95 / 70 ⁽⁸⁾ | 150 / 70 ⁽⁸⁾ | 240 | 2x300 | 50 / 35 ⁽⁷⁾ | 70 |
| Maximum busbar width: | (mm) | - | - | - | 20 | 32 | 40 | 50 | - | - |
| Rated tightening torque: | (Nm) | 6 | 6 | 6 | 9 | 20 | 20 | 20 | 6 | 5 |

⁽¹⁾ category with index A = frequent manoeuvres/category with index B = non-frequent manoeuvres; ⁽²⁾ with terminal covers or pole separation shield; ⁽³⁾ 4-pole device with 2 poles in series for each polarity; ⁽⁴⁾ 3-pole device with 2 poles in series for "+" and 1 pole for "-"; ⁽⁵⁾ indicates the peak current value for an operating voltage U_e = 400V AC; ⁽⁶⁾ for an operating voltage U_e = 400V AC; ⁽⁷⁾ connected directly on the frame; ⁽⁸⁾ also with terminals.

*In the case of special needs the locking function can be set also in position I or II.

Distribution boards

47 CVX 160 I

FLUSH-MOUNTING DISTRIBUTION BOARDS UP TO 160 A



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47 CVX 160 E

WALL-MOUNTING DISTRIBUTION BOARDS UP TO 160 A WITH EXTRACTABLE FRAME



pag. 840

47 CVX 630 K

MODULAR DISTRIBUTION BOARDS UP TO 630 A - IP43



pag. 859






47 CVX 630 M

MONOBLOC DISTRIBUTION BOARDS UP TO 630 A - IP 55



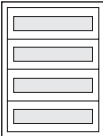

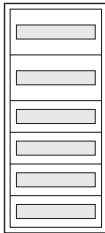



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General characteristics

| 47 CVX RANGE | | | | | |
|--|---|---|--|---|---|
| |  |  |  |  |  |
| | CVX 160I | CVX 160E | CVX 630K | CVX 630M | CVX 1600 |
| Rated current In (A) | 160 | 160 | 630 | 630 | 3200 |
| Structure | monobloc (panels and DIN rails included) | monobloc | modular | monobloc | modular |
| Version | flush-mounting | wall-mounting | wall and floor-mounting | wall and floor-mounting | floor-mounting |
| External cable compartment | | | yes | yes | yes |
| Extractable frame | Yes | yes | | | |
| Degree of protection (IP) | 30-40 | 30-40-55-65 | 30-40-43 | 30-55 | 31-41-65 |
| Front panels | plastic | plastic | metal | metal | metal |
| Functional height (mm) | 600 - 800 - 1000 | 600 - 800 - 1000 1200 | 1000 - 1200 1600 - 1800 - 2000 | 1000 - 1200 1600 - 1800 - 2000 | 1800 - 2000 |
| Functional length (mm) | 600 | 600 | 400* - 600 - 850 | 400* - 600 - 850 | 400 - 600 - 850 |
| Functional depth (mm) | 105 | 140 - 170 - 200 | 230 | 280 | 400 - 600 - 800 |
| Separation forms | 1 | 1 | 1-2B | 1-2B | 1-2A-3A-3B-4B |
| Compatibility with BUSBAR system: | | | | | |
| GWFIX 100 | yes | yes | yes | Yes | yes |
| GWFIX 250 | | yes | Yes | yes | yes |
| GWFIX 400 | | | | yes | yes |
| Shaped busbar | | | | yes | Yes |
| Flat Busbars | | | Yes | Yes | Yes |






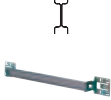
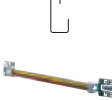

* Available only for floor mounting versions







Selection tables



| CVX 160 I STRUCTURES | | | | |
|---|---|--|---|--|
| BOARDS WITH DIN RAILS, FRONT PANELS AND ALL FIXING ACCESSORIES INCLUDED | | | | |
| STRUCTURES | | | | |
| FUNCTIONAL DIM. (LxH) | | 600x600 mm | 600x800 mm | 600x1000 mm |
| GENERAL CHARACTERISTICS | | NO. EN 50022 MODULES (17,5 mm) | | |
| In: up to 160A Capacity: 24 modules* each row Installation: indoors Color: RAL 7035 grey | | 96 | 120 | 144 |
| No. rows for No. modules | | 4 rows x 24 modules  | 5 rows x 24 modules  | 6 rows x 24 modules  |
| Front panels with window height: (mm) | | 150 | 200 (first row) 150 (other rows) | 200 (first and second row) 150 (other rows) |
| IP 30 |  without door | GW 47 072 | GW 47 073 | GW 47 074 |
| |  glass door | GW 47 082 | GW 47 083 | GW 47 084 |
| IP 40 |  solid door | GW 47 087 | GW 47 088 | GW 47 089 |

* EN 50022 modules (17,5 mm)

47 CVX 160 I

| CVX 160 I DISTRIBUTION BOARD CONFIGURATION | | | | | | | | |
|--|---|---|---|---|---|--|---|---|
| | FRONT PANELS | | | | DIN RAIL KIT | | | DEVICE INSTALLATION KIT |
| Front panel height (mm) | Panel with windows | Solid panels | Panel for instruments | Pairs of hinges | EN 50022 rail | Double EN 50022 rail (aluminium) | EN 50035 rail | Country specific standard |
| |  |  |  |  |  |  |  |  |
| 50 | - | GW 47 173 | - | - | - | - | - | - |
| 150 | GW 47 178 | GW 47 174 | - | GW 47 191 | GW 47 251 | GW 47 252 | GW 47 253 | - |
| 200 | GW 47 179 | GW 47 175 | Instrum. 72x72 GW 47 176 Instrum. 96x96 GW 47 177 | | | | | |
| 300 | - | - | - | - | - | - | - | GW 47 263 (French) |

| COMPLEMENTARY ITEMS | | | | | |
|---|---|---|---|---|---|
| Earth bar | Wiring trunking supports | Nuts in cage | Module mask | Document wallet | Security lock with key |
|  |  |  |  |  |  |
| GW 47 193 | GW 47 194 E | GW 47 195 | GW 47 291 | GW 46 447 | GW 47 192 |

| Board functional height (mm) | SPARE DOORS | |
|------------------------------|--|--|
| | ONLY FOR IP 40 | |
| | glass door | solid door |
| 600 |  GW 47 111 |  GW 47 121 |
| 800 | GW 47 112 | GW 47 122 |
| 1000 | GW 47 113 | GW 47 123 |

47 CVX 160 I

Flush mounting distribution boards up to 160 A

The CVX 160 I range of flush-mounting distribution boards up to 160 A stands out for its ease of selection and quick assembly. Having chosen the size of the board, in addition to the metal casing and the door, the DIN rails and isolating front panels are also included with a single order code. Furthermore, the innovative support enables the fixing of the rails to the brackets and their depth adjustment without using screws or tools.



Technical characteristics page 834

STRUCTURES

IP30 DISTRIBUTION BOARDS



GW 47 072

**PREASSEMBLED DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - COLOUR GREY RAL 7035
COMPLETE WITH OUTFIT FOR MODULAR DEVICES - WITHOUT DOOR**

| Code | Functional dim. LxHxD (mm) | Box dimensions BxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------------|------------------------------|--------------------------|----------------------------|----------------|
| GW 47 072 | 600x600x105 | 680x670x105 | 730x706x25 | 96 (24x4) | 1 |
| GW 47 073 | 600x800x105 | 680x870x105 | 730x906x25 | 120 (24x5) | 1 |
| GW 47 074 | 600x1000x105 | 680x1070x105 | 730x1106x25 | 144 (24x6) | 1 |

ACCESSORIES SUPPLIED: mortar guard. Service identification label. Self-adhesive label to be filled out for certification according to standard CEI 23-52.
Front panels complete with EN 50022 rail (DIN 35) and fixing accessories. Blanking module profile.

IP40 DISTRIBUTION BOARDS



GW 47 082

**PREASSEMBLED DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - COLOUR GREY RAL 7035
COMPLETE WITH OUTFIT FOR MODULAR DEVICES - WITHOUT DOOR
CURVED SMOKED TEMPERED SAFETY GLASS DOOR WITH 2 LOCKS**

| Code | Functional dim. LxHxD (mm) | Box dimensions BxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------------|------------------------------|--------------------------|----------------------------|----------------|
| GW 47 082 | 600x600x105 | 680x670x105 | 730x706x65 | 96 (24x4) | 1 |
| GW 47 083 | 600x800x105 | 680x870x105 | 730x906x65 | 120 (24x5) | 1 |
| GW 47 084 | 600x1000x105 | 680x1070x105 | 730x1106x65 | 144 (24x6) | 1 |

ACCESSORIES SUPPLIED: mortar guard. Service identification label. Self-adhesive label to be filled out for certification according to standard CEI 23-52.
Front panels complete with EN 50022 rail (DIN 35) and fixing accessories. Blanking module profile. 2 double-fin keys.



GW 47 087

**PREASSEMBLED DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - COLOUR GREY RAL 7035
COMPLETE WITH OUTFIT FOR MODULAR DEVICES
BLANK DOOR IN SHEET METAL WITH 2 LOCKS**

| Code | Functional dim. LxHxD (mm) | Box dimensions BxHxD (mm) | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------------|------------------------------|--------------------------|----------------------------|----------------|
| GW 47 087 | 600x600x105 | 680x670x105 | 730x706x34 | 96 (24x4) | 1 |
| GW 47 088 | 600x800x105 | 680x870x105 | 730x906x34 | 120 (24x5) | 1 |
| GW 47 089 | 600x1000x105 | 680x1070x105 | 730x1106x34 | 144 (24x6) | 1 |

ACCESSORIES SUPPLIED: mortar guard. Service identification label. Self-adhesive label to be filled out for certification according to standard CEI 23-51.
Front panels complete with EN 50022 rail (DIN 35) and fixing accessories. Blanking module profile. 2 double-fin keys.

FRONT CONFIGURATION

INSTALLATION KIT FOR COUNTRY-SPECIFIC DEVICES



GW 47 263

FRONT PANEL WITH WINDOW COMPLETE WITH EN 50 022 RAILS AND PLATES FOR FIXING SUPPORT BASES FOR THE EDF BLUE TARIFF CONNECTING SWITCH - FRENCH STANDARD

| Code | Dimensions LxH (mm) | Suitable for | Suited for EN 50022 | Pack Carton |
|--------------------|------------------------|-----------------|------------------------|----------------|
| Modules: 24 | | | | |
| GW 47 263 | 600x300 | Command lock | 24 modules (2x12) | 1/5 |

ACCESSORIES SUPPLIED: blanking module profile. Fixing accessories. Earthing set.

FRONT PANELS



GW 47 179

FRONT PANELS WITH WINDOW FOR MODULAR DEVICES

| Code | External dim. LxH (mm) | Pack Carton |
|--------------------|---------------------------|----------------|
| Modules: 24 | | |
| GW 47 178 | 600x150 | 1/10 |
| GW 47 179 | 600x200 | 1/10 |

ACCESSORIES SUPPLIED: blanking module profile, pair of hinges.

CHARACTERISTICS: quick coupling front panel, in Grey RAL 7035 insulating material, with ergonomic Blue RAL 5003 grip, prearrangement of the panels for rotation hinges (included).



GW 47 175

BLANK FRONT PANELS

| Code | External dim. LxH (mm) | Pack Carton |
|--------------------|---------------------------|----------------|
| Modules: 24 | | |
| GW 47 173 | 600x50 | 1/10 |
| GW 47 174 | 600x150 | 1/10 |
| GW 47 175 | 600x200 | 1/10 |

ACCESSORIES SUPPLIED: pair of hinges.

CHARACTERISTICS: quick coupling front panel, in Grey RAL 7035 insulating material, with ergonomic Blue RAL 5003 grip, prearrangement of the panels, except GW47173, for rotation hinges (included).



GW 47 177

FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

| Code | External dim. LxH (mm) | 3-way switch no. x hole Ø | Instruments N. x dimensions | Pack Carton |
|--------------------|---------------------------|------------------------------|--------------------------------|----------------|
| Modules: 24 | | | | |
| GW 47 176 | 600x200 | 1 Ø9.5 mm | 4 72x72 mm | 1/10 |
| GW 47 177 | 600x200 | 1 Ø9.5 mm | 4 96x96 mm | 1/10 |

ACCESSORIES SUPPLIED: pair of hinges.

APPLICATIONS: installation of ammeters, voltmeters, voltmeter/ammeter three-way switches and earth leakage relays for distribution boards.

CHARACTERISTICS: quick coupling front panel, in Grey RAL 7035 insulating material, with ergonomic Blue RAL 5003 grip, prearrangement of the panels for rotation hinges (included).

INTERNAL CONFIGURATION

DIN RAIL KIT



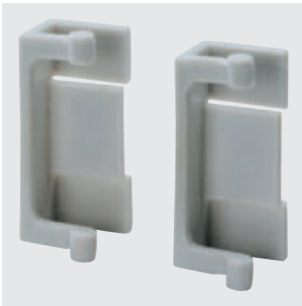
GW 47 251

DIN RAILS FOR MODULAR DEVICES (90 RANGE) AND MOULDED CASE CIRCUIT BREAKERS UP TO 160 A (MTX/M 160C / MTX/E 160 RANGE) - COMPLETE WITH BRACKETS AND SUPPORTS FOR ASSEMBLY

| Code | Section dim. HxD (mm) | Profile | Material | Pack Carton |
|--------------------|--------------------------|--------------------------|------------------|----------------|
| Modules: 24 | | | | |
| GW 47 251 | 35x15 | EN 50022 (DIN 35) | Galvanized metal | 1/10 |
| GW 47 252 | 2x(35x7.5) | Double EN 50022 (DIN 35) | Aluminium | 1/10 |
| GW 47 253 | 32x15 | EN 50035 (G 32) | Galvanized metal | 1/10 |

COMPLEMENTARY ITEMS

ACCESSORIES



GW 47 191

PAIR OF HINGES FOR FRONT PANELS

| Code | Fixing type | Opening angle | Suitable for | Pack Carton |
|-----------|-------------|---------------|--------------------------------|-------------|
| GW 47 191 | Clip | 90° | For panels H higher than 50 mm | 1/20 |

ACCESSORIES SUPPLIED: 1 panel closing cap.



GW 47 194 E

PAIR OF SUPPORTS FOR THE FIXING OF WIRING TRUNKING

| Code | Fixing type | Quantity | Pack Carton |
|-------------|----------------------------|----------|-------------|
| GW 47 194 E | Clip on functional profile | 2 pieces | 1/20 |

APPLICATIONS: assembly of wiring trunking up to 60 mm width vertically and up to 40 mm horizontally.



GW 47 291

BLANKING MODULE PROFILE IN PLASTIC MATERIAL - COLOUR GREY RAL 7035

| Code | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------|-------------|
| GW 47 291 | 24 | 10 |

CHARACTERISTICS: clip fixing on DIN perforated front panels.



GW 49 209

DEPTH ADAPTER

| Code | Length (mm) | Pack Carton |
|-----------|-------------|-------------|
| GW 49 209 | 600 | 1 |

APPLICATIONS: compensation of the different installation depths on DIN rail EN 50022 of the modular devices (90 range) and moulded case circuit breakers (MTX/M 160c - MTX/E 160 - MTX/M 250 range).



GW 47 193

PERFORATED AND THREADED EARTH BUSBAR

| Code | Dimensions LxHxD (mm) | N./diam. of threaded holes | Step drilling | For distribution boards | Pack Carton |
|------------------|--------------------------|-------------------------------|------------------|----------------------------|----------------|
| GW 47 193 | 575x20x5 | 24xM6 | 18 mm | Flush and surface mounting | 1/5 |

ACCESSORIES SUPPLIED: fixing accessories, (2 screws and 2 nuts in cage M6) 24 tin-plated screws M6.



GW 46 447

ADHESIVE DOCUMENT POCKET

| Code | Dimensions LxH (mm) | Pack Carton |
|------------------|------------------------|----------------|
| GW 46 447 | 230x310 | 1/10 |

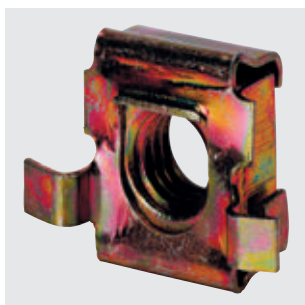


GW 47 192

SECURITY LOCK

| Code | Characteristics | Pack Carton |
|------------------|-----------------|----------------|
| GW 47 192 | Yale type | 1/10 |

NOTE: the lock is supplied with identical keys.



GW 47 195

NUT IN CAGE

| Code | Characteristics | Pack Carton |
|------------------|------------------|----------------|
| GW 47 195 | Galvanised steel | 10/100 |

APPLICATIONS: it is suitable for mounting wiring trunking and accessories on functional profile.



GW 47 197

SET OF 4 METAL BRACKETS

| Code | Characteristics | Pack Carton |
|-----------|----------------------------|----------------|
| GW 47 197 | For fixing on plasterboard | 1/10 |

SPARE PARTS



GW 47 113

SMOKED CURVED TEMPERED SAFETY GLASS DOORS FOR IP40 DISTRIBUTION BOARDS

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 47 111 | 600x600 | 1 |
| GW 47 112 | 600x800 | 1 |
| GW 47 113 | 600x1000 | 1 |

ACCESSORIES SUPPLIED: 2 mounting pins, 2 double-fin keys.



GW 47 123

SOLID DOORS IN PAINTED SHEET METAL FOR IP40 DISTRIBUTION BOARDS

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 47 121 | 600x600 | 1 |
| GW 47 122 | 600x800 | 1 |
| GW 47 123 | 600x1000 | 1 |

ACCESSORIES SUPPLIED: 2 mounting pins, 2 double-fin keys.

47 CVX 160I



INSTALLATION WITHOUT
SCREWS AND TOOLS



The fixing supports have been designed to be mounted without screws thanks to pre-holed on the function sides. Moreover the innovative support allows the fixing of the din rails on the brackets and their adjustments in depth without using any tools.

QUICK FIXING OF THE
INSULATING PANELS



The front panels in plastic material allow the quick fixing by means of two inserts ¼ turn and the earthing connection is not necessary. For all range it is supplied a kit for the installation of the hinges on the front panels.

STRENGHT AND DESIGN



The fine design and the special curved glass of the door allow the installation of the distribution board also in elegant environments as well as in advanced tertiary sectors thanks to its sturdiness.

Technical data

| CVX 160I | |
|--|--|
| Electrical characteristics | Mechanical characteristics |
| Standards: EN 61439-1 and EN 61439-2, EN 62208, CEI 23-48, CEI 23-49 | Degree of protection: IP 30 without door |
| Rated current (In): up to 160 A | IP40 with glass/blank door |
| Rated operational voltage (Ue): up to 500V AC | Impact resistance: IK 07 for glass door |
| Rated insulation voltage (Ui): up to 500V AC | IK 09 front panels in plastic material |
| Rated impulse withstand voltage (Uimp): 6 kV 1.2/50 µs | IK 10 for metal casing |
| Rated conditioned short-circuit current (Icc): 10 kA | Operating temperature: -5°C - 40°C |
| Rated peak withstand current (Ipk): 17 kA | Storage temperature: -25°C - 55°C |
| Rated short-time withstand current (Icw): 10 kA (1s) | Sheet steel casing: 10/10mm thick |
| Protection against indirect contact: metal casing prearranged for earth connection | Sheet steel door: 12/10mm thick |
| | Sheet metal painted with colour Grey RAL 7035 epoxy-polyester powder |

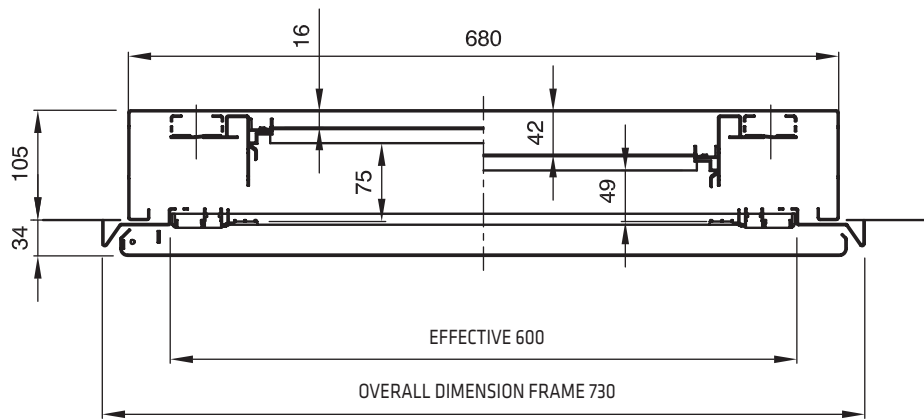
| FUNCTIONAL CHARACTERISTICS | |
|--|--|
| Type of installation: indoors | Door (except IP30 version) supplied disassembled, in a protective packaging |
| Capacity: 24 EN 50022 modules per row | Door assembly (except IP30 version) with reversible opening (right or left side) |
| Extractable galvanised sheet metal frame with uprights with 25mm pitch perforation for the assembly of the equipment installation kits | Pre-arrangement for safety lock with key |
| Flush-mounting depth d = 105mm for installation in plasterboard walls too, using the relevant bracket kit (GW 47 197) | Front panel in insulating material (RAL 7035 grey) with quick coupling with ergonomic grip |
| | Casing with wall-fixing brackets and knockouts on all sides for cable entry |

Dimension tables

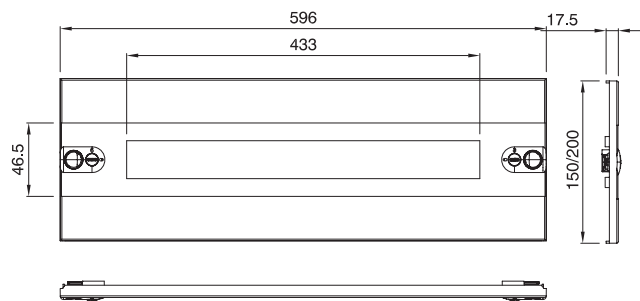
| IP40 BOARDS | | | |
|--------------------|---------|--------------------|---------|
| | | | |
| Front (glass door) | Lateral | Front (solid door) | Lateral |



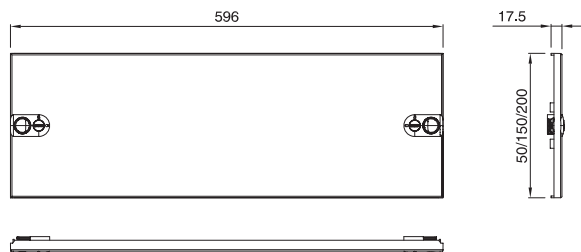
RAIL ADJUSTMENT (SOLID DOOR)



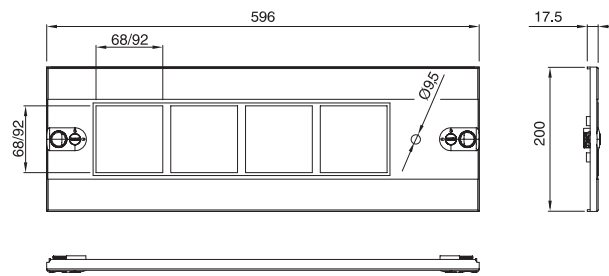
PANELS WITH WINDOWS



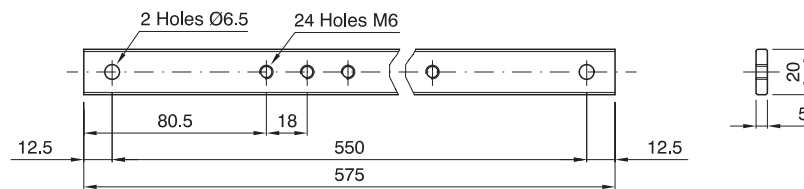
SOLID PANELS



INSTRUMENT PANELS









EARTHING BUSBAR




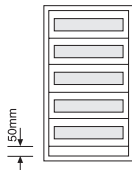
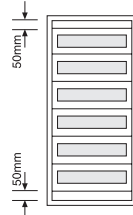


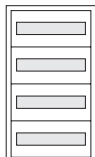
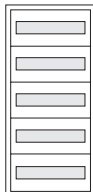
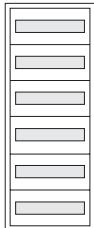
47 CVX 160 E

Selection tables

| CVX 160 E STRUCTURES | | | | | |
|---|---|-------------|-------------|-------------|-------------|
| GENERAL CHARACTERISTICS | | STRUCTURES | | | |
| In: up to 160 A Capacity: 24 modules per row Installation: indoors Colour: RAL 7035 grey | | | | | |
| FUNCTIONAL DIM. (LxH) | | 600x600 mm | 600x800 mm | 600x1000 mm | 600x1200 mm |
| IP 30 | Without door  | GW 47 001 E | GW 47 002 E | GW 47 003 E | GW 47 004 E |
| | | | | | |
| IP 40 | Glass door  | GW 47 011 E | GW 47 012 E | GW 47 013 E | GW 47 014 E |
| | Solid door  | GW 47 021 E | GW 47 022 E | GW 47 023 E | GW 47 024 E |
| IP 55 | Glass door  | GW 47 031 E | GW 47 032 E | GW 47 033 E | GW 47 034 E |
| | Solid door  | GW 47 041 E | GW 47 042 E | GW 47 043 E | GW 47 044 E |
| IP 65 | Solid door  | - | GW 47 062 E | GW 47 063 E | GW 47 064 E |








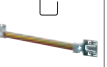


NOTE: the codes do not include DIN rail and front panels.

*The codes include DIN rail, front panels and fixing accessories.









| EXAMPLES OF BOARD CONFIGURATIONS | | | | | |
|----------------------------------|--------------|---|--|--|--|
| NO. ROWS / NO. MODULES MAX | Pitch 150 mm |  4 rows - 96 modules* |  5 rows - 120 modules* |  6 rows - 144 modules* |  8 rows - 192 modules* |
| | Pitch 200 mm |  3 rows - 72 modules* |  4 rows - 96 modules* |  5 rows - 120 modules* |  6 rows - 144 modules* |

* EN 50022 modules (17,5 mm)

CVX 160 E DISTRIBUTION BOARD CONFIGURATION

| | KIT FOR INSTALLATION OF DEVICE ON DIN RAIL AND FRONT PANELS | | | | | DIN RAIL KIT | | | MOULDED CASE INSTALLATION KIT | DEVICE INSTALLATION KIT |
|--------------------------|---|---|---|---|---|---|--|---|---|---|
| Front panels height (mm) | Panels with window rail EN 50022 | Panels with window | Solid panels | Panels for instruments | Pair of hinges | EN 50022 | Double EN 50022 (aluminium) | EN 50035 | For moulded-case circuit breakers | Country specific standard |
| |  |  |  |  |  |  |  |  |  |  |
| 50 | - | - | GW 47 173 | - | - | - | - | - | - | - |
| 150 | GW 47 171 | GW 47 178 | GW 47 174 | - | GW 47 191 | GW 47 181 | GW 47 183 | GW 47 182 | GW 47 277 (MTX/M 160c) GW 47 278 (MTX/E 160) GW 47 279 (MTX/M 160c+BD 160c) GW 47 280 (MTX/E 160+BD 160) | - |
| 200 | GW 47 172 | GW 47 179 | GW 47 175 | Instrum. 72x72 GW 47 176 Instrum. 96x96 GW 47 177 | | | | | | |
| 300 | - | - | - | - | - | - | - | - | - | GW 47 261 (Spanish) GW 47 262 (French) |

COMPLEMENTARY ITEMS

| Earth bar | Wiring trunking supports | Nuts cage | Cable gland plate | Module module coverings | Document wallet | Security lock with key | Earth terminal blocks |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| GW 47 193 | GW 47 194 E | GW 47 195 | GW 47 198 (Higher - Lower) | GW 47 291 | GW 46 447 | GW 47 192* | GW 45 538 |

*Not suitable for boards with IP65 protection degree

SPARE DOORS

| Board functional height (mm) | IP 40 | | IP 55 | | IP 65 |
|------------------------------|---|---|---|---|---|
| | Glass door | Solid door | Glass door | Solid door | Solid door |
| |  |  |  |  |  |
| 600 | GW 47 111 | GW 47 121 | GW 47 131 | GW 47 141 | - |
| 800 | GW 47 112 | GW 47 122 | GW 47 132 | GW 47 142 | GW 47 162 |
| 1000 | GW 47 113 | GW 47 123 | GW 47 133 | GW 47 143 | GW 47 163 |
| 1200 | GW 47 114 | GW 47 124 | GW 47 134 | GW 47 144 | GW 47 164 |

47 CVX 160 E

Wall-mounting distribution boards up to 160 A with extractable frame

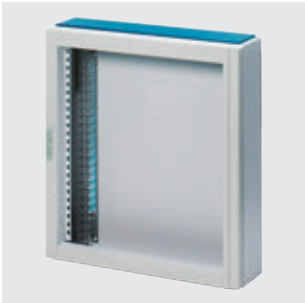
The CVX 160 E range of surface-mounting distribution boards up to 160 A allow the creation of configurations to suit specific needs, from a minimum capacity of 72 modules to a maximum of 192, choosing the appropriate installation kit with 150 mm or 200 mm pitch. Furthermore, the extractable frame allows wiring desk and, subsequently, the installation of the wired frame inside the metal casing when the system is completed.



Technical characteristics page 850

STRUCTURES

IP30 DISTRIBUTION BOARDS



GW 47 002 E

MONOBLOC DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - COLOUR GREY RAL 7035 WITHOUT DOOR - WITH EXTRACTABLE FRAME

| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-------------|-------------------------------|--------------------------|----------------|
| GW 47 001 E | 600x600x140 | 700x700x140 | 1 |
| GW 47 002 E | 600x800x140 | 700x900x140 | 1 |
| GW 47 003 E | 600x1000x140 | 700x1100x140 | 1 |
| GW 47 004 E | 600x1200x140 | 700x1300x140 | 1 |

ACCESSORIES SUPPLIED: 4 brackets complete with screws for wall mounting. 2 cable gland plates (upper and lower) complete with fixing screws.

IP40 DISTRIBUTION BOARDS



GW 47 014 E

MONOBLOC DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - COLOUR GREY RAL 7035 SMOKED CURVED TEMPERED SAFETY GLASS DOOR EQUIPPED WITH 2 LOCKS - WITH EXTRACTABLE FRAME

| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-------------|-------------------------------|--------------------------|----------------|
| GW 47 011 E | 600x600x200 | 700x700x200 | 1 |
| GW 47 012 E | 600x800x200 | 700x900x200 | 1 |
| GW 47 013 E | 600x1000x200 | 700x1100x200 | 1 |
| GW 47 014 E | 600x1200x200 | 700x1300x200 | 1 |

ACCESSORIES SUPPLIED: 4 brackets complete with screws for wall mounting. 2 cable gland plates (upper and lower) complete with fixing screws. 2 double-fin keys.



GW 47 024 E

MONOBLOC DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - COLOUR GREY RAL 7035 SOLID SHEET METAL DOOR EQUIPPED WITH 2 LOCKS - WITH EXTRACTABLE FRAME

| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-------------|-------------------------------|--------------------------|----------------|
| GW 47 021 E | 600x600x170 | 700x700x170 | 1 |
| GW 47 022 E | 600x800x170 | 700x900x170 | 1 |
| GW 47 023 E | 600x1000x170 | 700x1100x170 | 1 |
| GW 47 024 E | 600x1200x170 | 700x1300x170 | 1 |

ACCESSORIES SUPPLIED: 4 brackets complete with screws for wall mounting. 2 cable gland plates (upper and lower) complete with fixing screws. 2 double-fin keys.

IP55 DISTRIBUTION BOARDS



GW 47 034 E

MONOBLOC DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - COLOUR GREY RAL 7035 SMOKED CURVED TEMPERED SAFETY GLASS DOOR EQUIPPED WITH 2 LOCKS - WITH EXTRACTABLE FRAME

| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-------------|-------------------------------|--------------------------|----------------|
| GW 47 031 E | 600x600x200 | 700x700x200 | 1 |
| GW 47 032 E | 600x800x200 | 700x900x200 | 1 |
| GW 47 033 E | 600x1000x200 | 700x1100x200 | 1 |
| GW 47 034 E | 600x1200x200 | 700x1300x200 | 1 |

ACCESSORIES SUPPLIED: 4 brackets complete with screws for wall mounting. 2 cable gland plates (upper and lower) complete with fixing screws. 2 double-fin keys.

CHARACTERISTICS: sealing gaskets applied on the door and the cable gland plates.



GW 47 044 E

MONOBLOC DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - COLOUR GREY RAL 7035 SOLID SHEET METAL DOOR EQUIPPED WITH 2 LOCKS - WITH EXTRACTABLE FRAME

| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-------------|-------------------------------|--------------------------|----------------|
| GW 47 041 E | 600x600x170 | 700x700x170 | 1 |
| GW 47 042 E | 600x800x170 | 700x900x170 | 1 |
| GW 47 043 E | 600x1000x170 | 700x1100x170 | 1 |
| GW 47 044 E | 600x1200x170 | 700x1300x170 | 1 |

ACCESSORIES SUPPLIED: 4 brackets complete with screws for wall mounting. 2 cable gland plates (upper and lower) complete with fixing screws. 2 double-fin keys.

CHARACTERISTICS: sealing gaskets applied on the door and the cable gland plates.

IP65 DISTRIBUTION BOARDS



GW 47 064 E

MONOBLOC DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - COLOUR GREY RAL 7035 SOLID SHEET METAL DOOR EQUIPPED WITH ROD-MECHANISM LOCK - WITH EXTRACTABLE FRAME

| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-------------|-------------------------------|--------------------------|----------------|
| GW 47 062 E | 600x800x170 | 700x900x170 | 1 |
| GW 47 063 E | 600x1000x170 | 700x1100x170 | 1 |
| GW 47 064 E | 600x1200x170 | 700x1300x170 | 1 |

ACCESSORIES SUPPLIED: 4 brackets complete with screws for wall mounting. Key in zama.

CHARACTERISTICS: sealing gaskets applied on the door. Single lock with rod-mechanism lock with 4 mounting pins.

47 CVX 160 E

FRONT CONFIGURATION

INSTALLATION KIT FOR DEVICES ON DIN RAIL



GW 47 172

INSTALLATION KIT FOR MODULAR DEVICES (90 RANGE) AND MCCB'S UP TO 160 A (MTX/M 160C, MTX/E 160 RANGE) - COMPLETE WITH FRONT PANELS WITH WINDOWS AND STANDARD DIN RAIL EN 50022 (DIN 35)

| Code | Dimensions LxH (mm) | Section dim. HxD (mm) | Pack Carton |
|--------------------|------------------------|--------------------------|----------------|
| Modules: 24 | | | |
| GW 47 171 | 600x150 | 35x15 | 1/10 |
| GW 47 172 | 600x200 | 35x15 | 1/8 |

ACCESSORIES SUPPLIED: blanking module profile; pair of hinges; Standard EN 50022 (DIN 35) DIN rail in galvanised sheet metal with depth adjustment.
CHARACTERISTICS: quick coupling front panel, in Grey RAL 7035 insulating material, with ergonomic Blue RAL 5003 grip. Prearrangement of the panels for rotation hinges (included).
NOTES: for the assembly of the MTX MCCB's with or without add-on RCD, order the special kit for fixing to the DIN rail.
The coupling of RCD's and MCCB's requires the GW49209 depth adapter.
GW47172 suitable for modular devices of the 90 and MTX/M 160c, MTX/M 160c ranges with lowered "L" add-on residual current device and MTX/E 160.

INSTALLATION KIT FOR FIXED MCCB'S ON PLATE



GW 47 277

INSTALLATION KIT FOR A MCCB UP TO 160 A (MTX/M 160C, MTX/E 160 RANGE) COMPLETE WITH PERFORATED FRONT PANELS AND FIXING PLATES

| Code | Dimensions LxH (mm) | For MCCB | No. of poles | Type | Installation | Pack Carton |
|--------------------|------------------------|-------------|-----------------|----------------|--------------|----------------|
| Modules: 24 | | | | | | |
| GW 47 277 | 600x200 | MTX/M 160c | 3P - 4P | MCB | Horizontal | 1/5 |
| GW 47 278 | 600x200 | MTX/E 160 | 3P - 4P | MCB | Horizontal | 1/5 |
| GW 47 279 | 600x200 | MTX/M 160c | 4P | MCB+ADD-ON RCD | Horizontal | 1/5 |
| GW 47 280 | 600x200 | MTX/E 160 | 4P | MCB+ADD-ON RCD | Horizontal | 1/5 |

ACCESSORIES SUPPLIED: galvanised sheet steel plates. Pair of hinges. fixing accessories.
CHARACTERISTICS: quick coupling front panel, in Grey RAL 7035 insulating material, with ergonomic Blue RAL 5003 grip; pre-arrangement of the panel perforations for the assembly of the covers of the MCCB's; simple fixing of devices, thanks to the threaded bushings on the assembly plate; pre-arrangement for the assembly of the panel hinges (included).
GW47279 not suitable for lowered "L" add-on residual current device.

INSTALLATION KIT FOR COUNTRY-SPECIFIC DEVICES



GW 47 261

FRONT PANEL COMPLETE WITH MOUNTING RAILS EN 50 022 AND ENCLOSURE FOR HOUSING POWER LIMITING CIRCUIT BREAKER ICP IN=40 A - SPANISH STANDARD

| Code | Suited for EN 50022 | Dimensions LxH (mm) | No. EN 50022 mod. ICP sect. | Pack Carton |
|-----------|------------------------|------------------------|--------------------------------|----------------|
| GW 47 261 | 36 modules (2x18) | 600x300 | 4 | 1/5 |

ACCESSORIES SUPPLIED: enclosure for housing power limiter "ICP" with classification UNESA 1407-D, CS-ICP 32. Blanking module profile, fixing accessories.
CHARACTERISTICS: pre-galvanised metal plate with prearrangement for the installation of the mains switch; possibility of mounting modular devices or DIN hook-up components on the lateral profiles EN 50022; painted sheet metal panels (Grey RAL 7035).



GW 47 262

FRONT PANEL WITH WINDOW COMPLETE WITH EN 50 022 RAILS AND PLATES FOR FIXING SUPPORT BASES FOR THE EDF BLUE TARIFF CONNECTING SWITCH - FRENCH STANDARD

| Code | Dimensions LxH (mm) | Suitable for | Suited for EN 50022 | Pack Carton |
|-----------|------------------------|-----------------|------------------------|----------------|
| GW 47 262 | 600x300 | Command lock | 24 modules (2x12) | 1/5 |

ACCESSORIES SUPPLIED: blanking module profile. Fixing accessories. Earthing set.
CHARACTERISTICS: pre-galvanised metal plate with prearrangement for the installation of the mains switch.

FRONT PANELS



GW 47 179

FRONT PANELS WITH WINDOW FOR MODULAR DEVICES

| Code | Dimensions LxH (mm) | Pack Carton |
|--------------------|------------------------|----------------|
| Modules: 24 | | |
| GW 47 178 | 600x150 | 1/10 |
| GW 47 179 | 600x200 | 1/10 |

ACCESSORIES SUPPLIED: blanking module profile. Pair of hinges.

CHARACTERISTICS: quick coupling front panel, in Grey RAL 7035 insulating material, with ergonomic Blue RAL 5003 grip; prearrangement of the panels for rotation hinges (included).



GW 47 175

BLANK FRONT PANELS

| Code | Dimensions LxH (mm) | Pack Carton |
|--------------------|------------------------|----------------|
| Modules: 24 | | |
| GW 47 173 | 600x50 | 1/10 |
| GW 47 174 | 600x150 | 1/10 |
| GW 47 175 | 600x200 | 1/10 |

ACCESSORIES SUPPLIED: pair of hinges.

CHARACTERISTICS: quick coupling front panel, in Grey RAL 7035 insulating material, with ergonomic Blue RAL 5003 grip. Prearrangement of the panels, except GW47173, for rotation hinges (included)



GW 47 177

FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

| Code | Dimensions LxH (mm) | 3-way switch no. x hole Ø | Instruments N. x dimensions | Pack Carton |
|--------------------|------------------------|------------------------------|--------------------------------|----------------|
| Modules: 24 | | | | |
| GW 47 176 | 600x200 | 1 Ø9.5 mm | 4 72x72 mm | 1/10 |
| GW 47 177 | 600x200 | 1 Ø9.5 mm | 4 96x96 mm | 1/10 |

ACCESSORIES SUPPLIED: pair of hinges.

APPLICATIONS: installation of ammeters, voltmeters, voltmeter/ammeter three-way switches and earth leakage relays for distribution boards.

CHARACTERISTICS: quick coupling front panel, in Grey RAL 7035 insulating material, with ergonomic Blue RAL 5003 grip; prearrangement of the panels for rotation hinges (included).

INTERNAL CONFIGURATION

DIN RAIL KIT



GW 47 181

DIN RAILS FOR MODULAR DEVICES AND TERMINALS COMPLETE WITH BRACKETS AND SUPPORTS FOR ASSEMBLY

| Code | Section dim. HxD (mm) | Profile | Material | Pack Carton |
|-------------|--------------------------|--------------------------|------------------|----------------|
| Modules: 24 | | | | |
| GW 47 181 | 35x15 | EN 50022 (DIN 35) | Galvanized metal | 1/10 |
| GW 47 183 | 2x(35x7.5) | Double EN 50022 (DIN 35) | Aluminium | 1/10 |
| GW 47 182 | 32x15 | EN 50035 (G 32) | Galvanized metal | 1/10 |

BACK-MOUNTING PLATES



GW 47 186

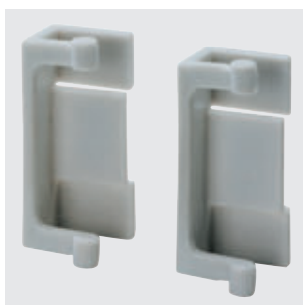
BACK-MOUNTING PLATES FOR NON-MODULAR DEVICES COMPLETE WITH MOUNTING SUPPORTS

| Code | Dimensions LxH (mm) | No. mounting straps | Pack Carton |
|-------------|------------------------|------------------------|----------------|
| Modules: 24 | | | |
| GW 47 186 | 600x200 | 2 | 1/5 |
| GW 47 187 | 600x400 | 4 | 1/5 |

ACCESSORIES SUPPLIED: support brackets and relative fixing accessories.
CHARACTERISTICS: possibility to adjust the depth of the plate; hot galvanised sheet metal plate 15/10 mm thick.

COMPLEMENTARY ITEMS

ACCESSORIES



GW 47 191

PAIR OF HINGES FOR FRONT PANELS

| Code | Fixing type | Opening angle | Suitable for | Pack Carton |
|-----------|-------------|---------------|--------------------------------|-------------|
| GW 47 191 | Clip | 90° | For panels H higher than 50 mm | 1/20 |

ACCESSORIES SUPPLIED: 1 panel closing cap.

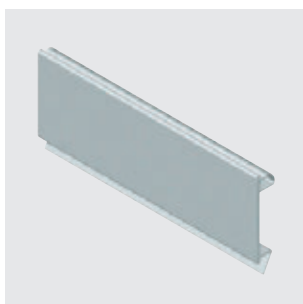


GW 47 194 E

PAIR OF SUPPORTS FOR THE FIXING OF WIRING TRUNKING

| Code | Fixing type | Quantity | Pack Carton |
|-------------|----------------------------|----------|-------------|
| GW 47 194 E | Clip on functional profile | 2 pieces | 1/20 |

APPLICATIONS: assembly of wiring trunking up to 60 mm width vertically and up to 40 mm horizontally.

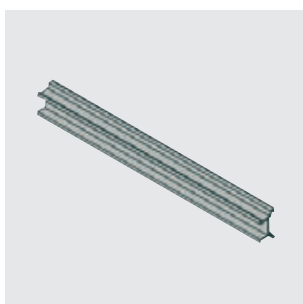


GW 47 291

BLANKING MODULE PROFILE IN PLASTIC MATERIAL - COLOUR GREY RAL 7035

| Code | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------|-------------|
| GW 47 291 | 24 | 10 |

CHARACTERISTICS: clip fixing on DIN perforated front panels.



GW 49 209

DEPTH ADAPTER

| Code | Length (mm) | Pack Carton |
|-----------|-------------|-------------|
| GW 49 209 | 600 | 1 |

APPLICATIONS: compensation of the different installation depths on DIN rail EN 50022 of the modular devices (90 range) and moulded case circuit breakers (MTX/M 160c - MTX/E 160 - MTX/M 250 range).

47 CVX 160 E



GW 47 193

PERFORATED AND THREADED EARTH BUSBAR

| Code | Dimensions LxHxD (mm) | N./diam. of threaded holes | Step drilling | For distribution boards | Pack Carton |
|-----------|--------------------------|-------------------------------|------------------|----------------------------|----------------|
| GW 47 193 | 575x20x5 | 24xM6 | 18 mm | Flush and surface mounting | 1/5 |

ACCESSORIES SUPPLIED: fixing accessories. (2 screws and 2 nuts in cage M6) 24 tin-plated screws M6.



GW 45 538

EARTH TERMINAL BLOCKS

| Code | For distribution boards | Section (mm²) | N. terminal and section (mm²) | Step drilling (mm) | Pack Carton |
|-----------|----------------------------|------------------|----------------------------------|-----------------------|----------------|
| GW 45 538 | L=600 | 10x7 | 2x(1x35+11x16+13x10) | 6.5 mm | 1 |



GW 46 447

ADHESIVE DOCUMENT POCKET

| Code | Dimensions LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 46 447 | 230x310 | 1/10 |

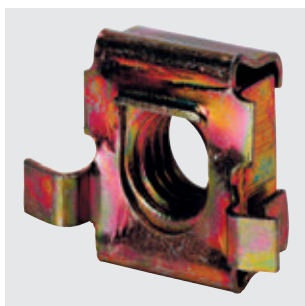


GW 47 192

SECURITY LOCK

| Code | Characteristics | Pack Carton |
|-----------|-----------------|----------------|
| GW 47 192 | Yale type | 1/10 |

NOTE: the lock is supplied with identical keys.
It's not suited for IP65 version.



GW 47 195

NUT IN CAGE

| Code | Characteristics | Pack Carton |
|------------------|------------------|----------------|
| GW 47 195 | Galvanised steel | 10/100 |

APPLICATIONS: it is suitable for mounting wiring trunking and accessories on functional profile.

SPARE PARTS



GW 47 114

SMOKED CURVED TEMPERED SAFETY GLASS DOORS FOR IP40 DISTRIBUTION BOARDS

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 47 111 | 600x600 | 1 |
| GW 47 112 | 600x800 | 1 |
| GW 47 113 | 600x1000 | 1 |
| GW 47 114 | 600x1200 | 1 |

ACCESSORIES SUPPLIED: 2 mounting pins, 2 double-fin keys.



GW 47 124

SOLID DOORS IN PAINTED SHEET METAL FOR IP40 DISTRIBUTION BOARDS

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 47 121 | 600x600 | 1 |
| GW 47 122 | 600x800 | 1 |
| GW 47 123 | 600x1000 | 1 |
| GW 47 124 | 600x1200 | 1 |

ACCESSORIES SUPPLIED: 2 mounting pins, 2 double-fin keys.



GW 47 134

SMOKED CURVED TEMPERED SAFETY GLASS DOOR FOR IP55 DISTRIBUTION BOARD

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 47 131 | 600x600 | 1 |
| GW 47 132 | 600x800 | 1 |
| GW 47 133 | 600x1000 | 1 |
| GW 47 134 | 600x1200 | 1 |

ACCESSORIES SUPPLIED: 2 mounting pins, 2 double-fin keys.



GW 47 144

SOLID DOORS IN PAINTED SHEET METAL FOR IP55 DISTRIBUTION BOARDS

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 47 141 | 600x600 | 1 |
| GW 47 142 | 600x800 | 1 |
| GW 47 143 | 600x1000 | 1 |
| GW 47 144 | 600x1200 | 1 |

ACCESSORIES SUPPLIED: 2 mounting pins, 2 double-fin keys.



GW 47 164

SOLID DOORS IN PAINTED SHEET STEEL FOR IP65 DISTRIBUTION BOARDS EQUIPPED WITH ROD-MECHANISM CLOSURES

| Code | For boards LxH (mm) | Pack Carton |
|------------------|------------------------|----------------|
| GW 47 162 | 600x800 | 1 |
| GW 47 163 | 600x1000 | 1 |
| GW 47 164 | 600x1200 | 1 |

ACCESSORIES SUPPLIED: 4 mounting pins. Key in zama.



GW 47 198

CABLE GLAND PLATE - COLOUR BLUE RAL 5003

| Code | Description | No. of pieces | Material | Pack Carton |
|------------------|------------------|------------------|----------|----------------|
| GW 47 198 | Top/Bottom plate | 1 | Plastic | 1/10 |

47 CVX 160 E



INSTALLATION WITHOUT
SCREWS AND TOOLS



The fixing supports have been designed to be mounted without screws thanks to pre-holed on the function sides. Moreover the innovative support allows the fixing of the din rails on the brackets and their adjustments in depth without using any tools.

QUICK FIXING
OF THE INSULATING PANELS



The front panels in plastic material allow the quick fixing by means of two inserts ¼ turn and the earthing connection is not necessary. For all range it is supplied a kit for the installation of the hinges on the front panels.

STRENGHT AND DESIGN



The fine design and the special curved glass of the door allow the installation of the distribution board also in elegant environments as well as in advanced tertiary sectors thanks to its sturdiness.

Technical data

| CVX 160E | |
|--|--|
| Electrical characteristics | Mechanical characteristics |
| Standards: EN 61439-1 and EN 61439-2, EN 62208, CEI 23-48, CEI 23-49 | Degree of protection: IP 30 without door |
| Rated current (In): up to 160 A | IP40 with glass/blank door |
| Rated operational voltage (Ue): up to 500V AC | IP55 with glass/blank door |
| Rated insulation voltage (Ui): up to 500V AC | IP 65 with blank door |
| Rated impulse withstand voltage (Uimp): 6 kV 1.2/50 µs | Impact resistance: IK 07 for glass door |
| Rated conditioned short-circuit current (Icc): 10 kA | IK 09 front panels in plastic material |
| Rated peak withstand current (Ipk): 17 kA | IK 10 for metal casing |
| Rated short-time withstand current (Icw): 10 kA (1s) | Operating temperature: -5°C - 40°C |
| Protection against indirect contact: metal casing prearranged for earth connection | Storage temperature: -25°C - 55°C |
| | Sheet steel casing: 10/10mm thick |
| | Sheet steel door: 12/10mm thick |
| | Back-mounting plates in hot galvanised sheet metal: 15/10mm thick |
| | Sheet metal painted with colour Grey RAL 7035 epoxy-polyester powder |

FUNCTIONAL CHARACTERISTICS

Type of installation: indoors

Capacity: 24 EN 50022 modules per row

Cable gland plate (except IP65 version) in insulating material, colour Blue RAL 5003

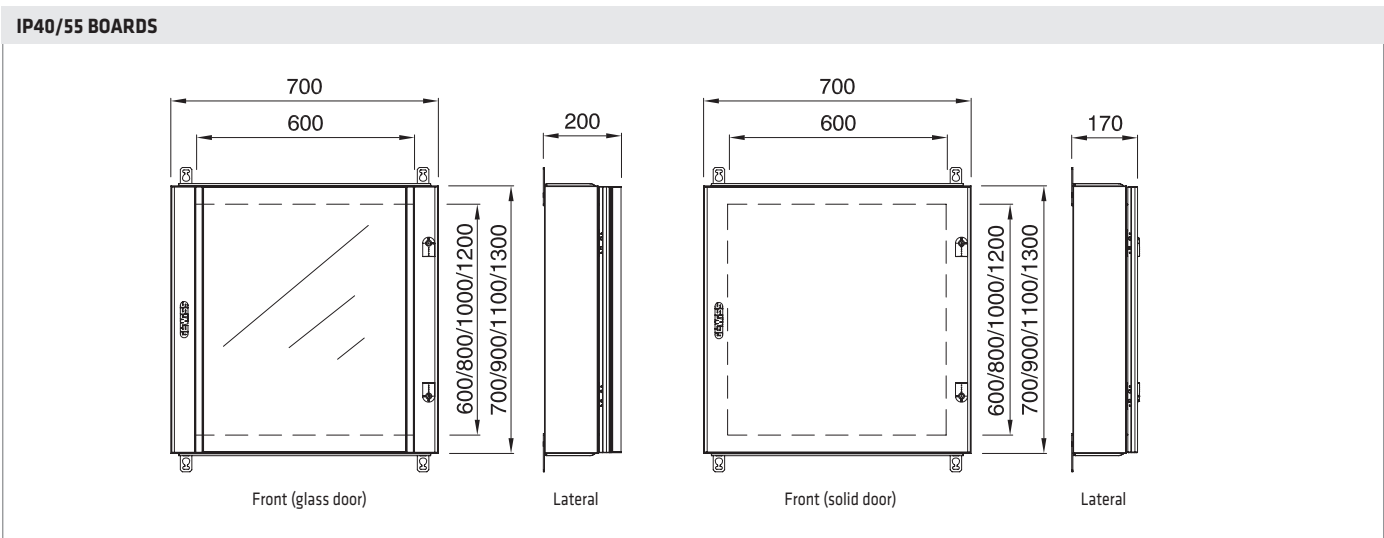
Extractable galvanised sheet metal frame with 25mm pitch perforation for assembling the device installation kits

Door (except IP30 version) supplied disassembled, in a protective packaging

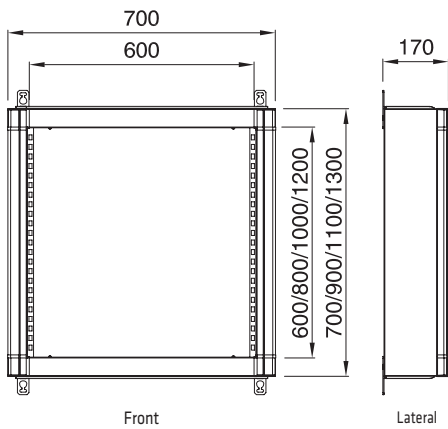
Door assembly (except IP30 version) with reversible opening (right or left side).

Pre-arrangement for safety lock with key.

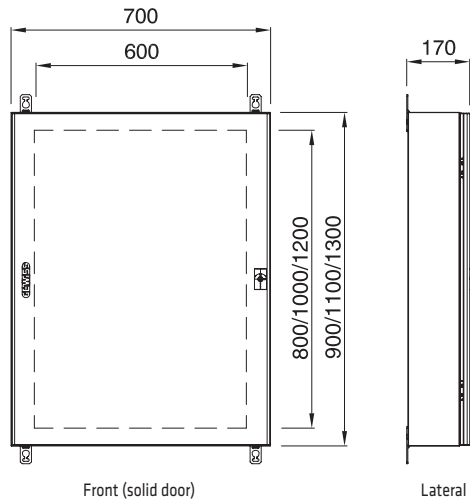
Dimension tables



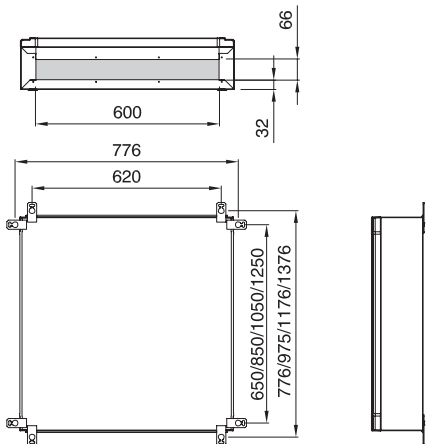
IP30 BOARDS



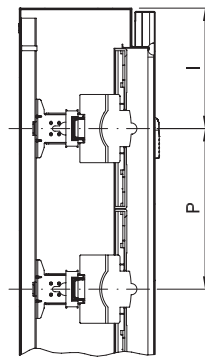
IP65 BOARDS



CABLE ENTRY (EXCLUDING IP65 VERSION) AND FIXING CENTRE DISTANCE

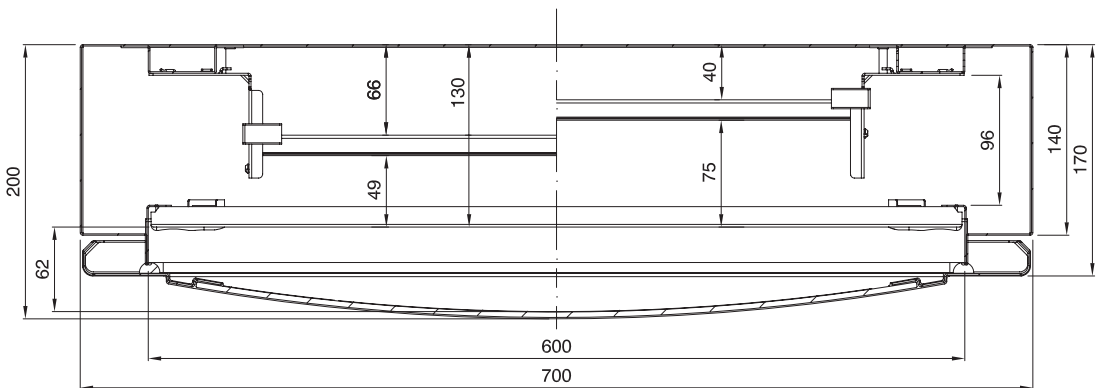


BELOW/UPPER OVERALL DIMENSIONS DEPENDING ON PITCH P



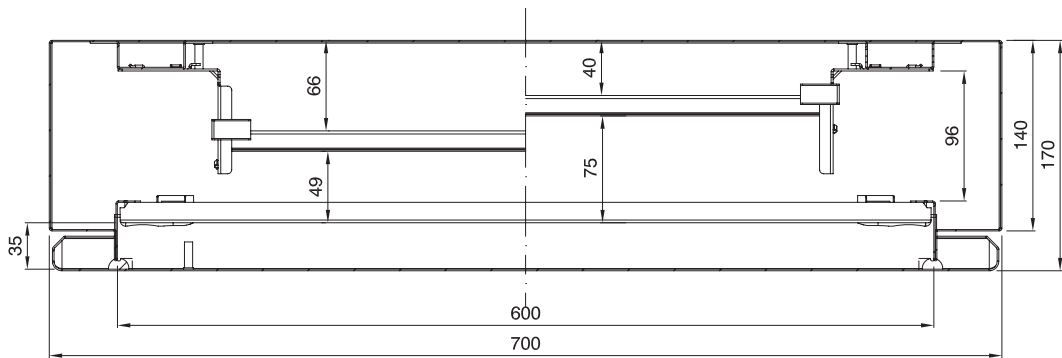
| P | I |
|-----|-----|
| 150 | 125 |
| 200 | 150 |

RAIL ADJUSTMENT (GLASS DOOR)

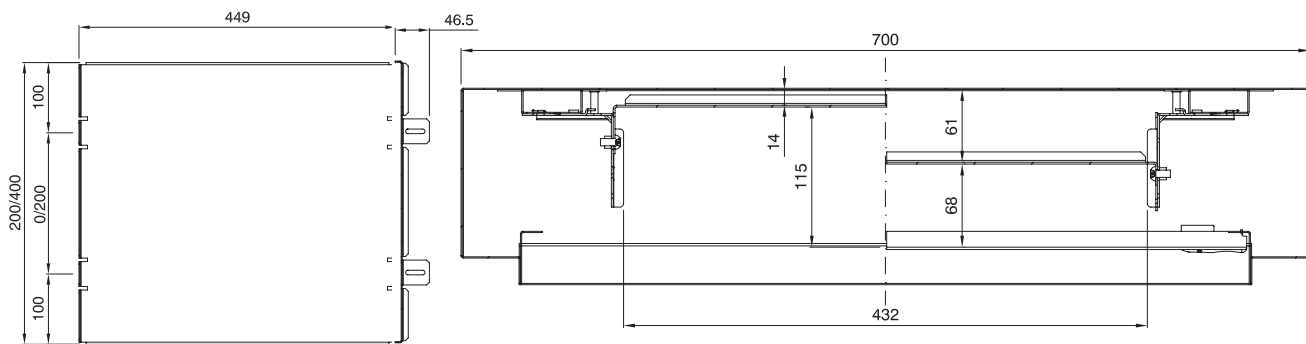


47 CVX 160 E

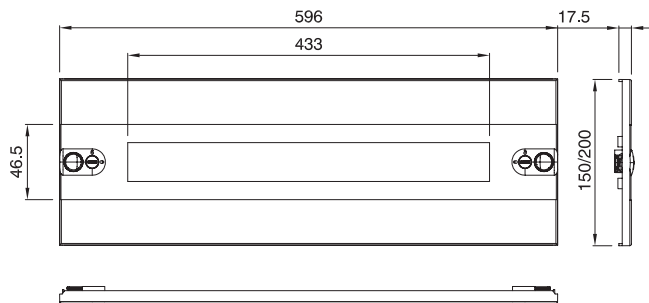
RAIL ADJUSTMENT (SOLID DOOR)



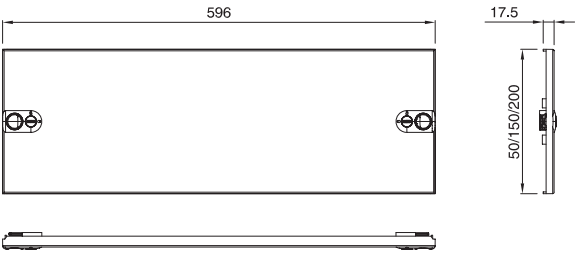
BACK-MOUNTING PLATE AND ADJUSTMENT



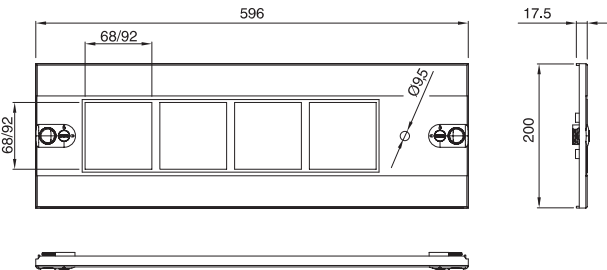
PANELS WITH WINDOWS



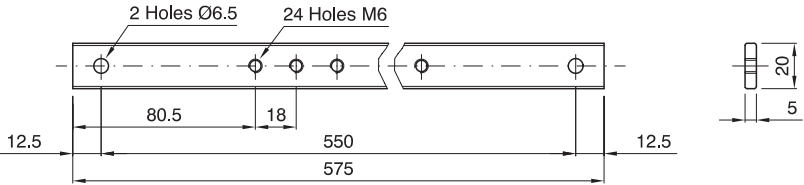
SOLID PANELS



INSTRUMENT PANELS









EARTHING BUSBAR






Selection tables

| CVX 630 K WALL-MOUNTING STRUCTURES | | | | | | | |
|------------------------------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| STRUCTURES | | | | | | | |
| FUNCTIONAL DIM. (LxH) | | 600x1000 mm | 600x1200 mm | 850x1000 mm | | 850x1200 mm | |
| Modular capacity | Pitch 150 mm | 144 mod. (24x6) | 192 mod. (24x8) | 144 mod. (24x6) | 216 mod. (36x6) | 192 mod. (24x8) | 288 mod. (36x8) |
| | Pitch 200 mm | 120 mod. (24x5) | 144 mod. (24x6) | 120 mod. (24x5) | 180 mod. (36x5) | 144 mod. (24x6) | 216 mod. (36x6) |
| Structures |  | GW 45 004 | GW 45 005 | GW 45 014 | | GW 45 015 | |
| Sides |  | GW 45 024 | GW 45 025 | GW 45 024 | | GW 45 025 | |
| Curved glass doors |  | GW 45 104 | GW 45 105 | GW 45 114 | | GW 45 115 | |
| Solid doors |  | GW 45 124 | GW 45 125 | GW 45 134 | | GW 45 135 | |
| Internal cable compartment |  | - | - | GW 45 034 | | GW 45 035 | |
| Side-by-side installation kit |  | GW 45 504 | GW 45 505 | GW 45 504 | | GW 45 505 | |



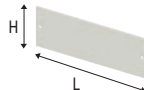











CVX 630 K FLOOR-MOUNTING STRUCTURES
STRUCTURES

| FUNCTIONAL DIM. (LxH) | | 600x1600 mm | 600x1800 mm | 600x2000 mm | 850x1600 mm | | 850x1800 mm | | 850x2000 mm | |
|-------------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Modular capacity | Pitch 150 mm | 240 mod. (24x10) | 288 mod. (24x12) | 312 mod. (24x13) | 240 mod. (24x10) | 360 mod. (36x10) | 288 mod. (24x12) | 432 mod. (36x12) | 312 mod. (24x13) | 468 mod. (36x13) |
| | Pitch 200 mm | 192 mod. (24x8) | 216 mod. (24x9) | 240 mod. (24x10) | 192 mod. (24x8) | 288 mod. (36x8) | 216 mod. (24x9) | 324 mod. (36x9) | 240 mod. (24x10) | 360 mod. (36x10) |
| Structures |  | GW 45 007 | GW 45 008 | GW 45 009 | GW 45 017 | | GW 45 018 | | GW 45 019 | |
| Sides |  | GW 45 027 | GW 45 028 | GW 45 029 | GW 45 027 | | GW 45 028 | | GW 45 029 | |
| Curved glass doors |  | GW 45 107 | GW 45 108 | GW 45 109 | GW 45 117 | | GW 45 118 | | GW 45 119 | |
| Solid doors |  | GW 45 127 | GW 45 128 | GW 45 129 | GW 45 137 | | GW 45 138 | | GW 45 139 | |
| Internal cable compartment |  | - | - | - | GW 45 037 | | GW 45 038 | | GW 45 039 | |
| Side-by-side installation kit |  | GW 45 507 | GW 45 508 | GW 45 509 | GW 45 507 | | GW 45 508 | | GW 45 509 | |

EXTERNAL CABLE COMPARTMENT



| FUNCTIONAL DIM. (LxH) | | 400x1600 mm | 400x1800 mm | 400x2000 mm |
|----------------------------|---|-------------|-------------|-------------|
| External cable compartment |  | GW 45 047 | GW 45 048 | GW 45 049 |
| Internal solid doors |  | GW 45 352 | GW 45 353 | GW 45 354 |
| External solid doors |  | GW 45 147 | GW 45 148 | GW 45 149 |

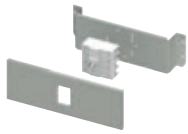


47 CVX 630 K

| CVX 630 K DISTRIBUTION BOARD CONFIGURATION | | | | | | |
|---|---|--|---------------------|----------------------|----------------------|----------------------|
| | | | Panel height H (mm) | L = 400 mm (10 mod.) | L = 600 mm (24 mod.) | L = 850 mm (36 mod.) |
| DIN rail installation kit |  | DIN EN 50022 double - aluminium  | 150 | GW 45 291 | GW 45 201 | GW 45 206 |
| | | | 200 | GW 45 292 | GW 45 202 | GW 45 207 |
| | | | 300 | GW 45 293 | GW 45 203 | GW 45 208 |
| | | | 300 (1) | - | GW 45 204 | GW 45 209 |
| Solid front panels |  | | 50 | GW 45 341 | GW 45 301 | GW 45 321 |
| | | | 100 | GW 45 342 | GW 45 302 | GW 45 322 |
| | | | 150 | GW 45 343 | GW 45 303 | GW 45 323 |
| | | | 200 | GW 45 344 | GW 45 304 | GW 45 324 |
| | | | 300 | GW 45 345 | GW 45 305 | GW 45 325 |
| | | | 400 | GW 45 346 | GW 45 306 | GW 45 326 |
| | | | 600 | GW 45 347 | GW 45 307 | GW 45 327 |
| | | | 800 | GW 45 348 | - | - |
| Front panels for instruments |  | | 200 | - | GW 45 374 | GW 45 379 |
| Front aerated panels |  | | 200 | - | GW 45 362 | GW 45 367 |
| DIN rails |  | DIN EN 50022 double - aluminium  | - | - | GW 45 401 | GW 45 402 |
| Profiles for fixing directly on frame |  | DIN EN 50022  | - | - | GW 45 411 | GW 45 416 |
| | | DIN EN 50035  | - | - | GW 45 412 | GW 45 417 |
| Back-mounting plates |  | | 200 | - | GW 45 421 | GW 45 431 |
| | | | 300 | GW 45 406 | - | - |
| | | | 400 | - | GW 45 422 | GW 45 432 |
| | | | 600 | - | GW 45 423 | GW 45 433 |
| Earth terminal blocks |  | | - | GW 45 537 | GW 45 538 | - |
| Earth bar |  | | - | - | GW 45 534 | GW 45 535 |
| Horizontal dividers |  | | - | - | GW 45 451 | GW 45 452 |




(1) Specific version for MTX/M 160c, MTX/E 160 or MTX/M 250 combined with an "L"-shaped add-on residual current device.

KIT OF MTX MOULDED CASE CIRCUIT BREAKERS AND MSS SWITCH DISCONNECTOR FOR CVX 630 K DISTRIBUTION BOARDS

| FIXED VERSION (FRONT TERMINALS) | | | | | | |
|--|----------|-----------|---------------------|--|-----------|---------------------|
| L= 400 mm (10 modules) | | | | | | |
| Vertical position | | | | | | |
|  Kit for MTX with add-on RCD | | | |  Kit for MTX/MSS | | |
| Type of circuit breakers | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) |
| MTX/M 160c | 4P | GW 45 248 | 300 | 3-4P | GW 45 243 | 200 |
| MTX/E 160 | - | - | - | 3-4P | GW 45 244 | 200 |
| MTX/M 250 | 4P | GW 45 249 | 400 | 3-4P | GW 45 245 | 300 |
| MTX/E/M 320 | - | - | - | 3-4P | GW 45 246 | 400 |
| MTXM 400 - MTX/E/M 630 | - | - | - | 3-4P | GW 45 247 | 400 |
| MSS 250 | - | - | - | 3-4P | GW 45 298 | 300 |
| MSS 630 | - | - | - | 3-4P | GW 45 299 | 500 |



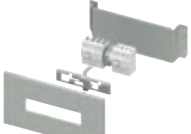
| FIXED VERSION (FRONT TERMINALS) | | | | | | | | | |
|---|----------|-----------|--|----------|-----------|---|----------|-----------|---------------------|
| L= 600 mm (24 modules) | | | | | | | | | |
| Horizontal position | | | | | | Vertical position | | | |
|  Kit for MTX/MSS | | |  Kit for MTX with add-on RCD | | |  Kit for MTX/MSS | | | |
| Type of circuit breakers | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) |
| MTX/M 160c | 3-4P | GW 45 271 | 200 | 4P | GW 45 281 | 200 | - | - | - |
| MTX/E 160 | 3-4P | GW 45 272 | 200 | 4P | GW 45 282 | 200 | - | - | - |
| MTX/M 250 | 3-4P | GW 45 273 | 200 | 4P | GW 45 283 | 200 | 3-4P | GW 45 236 | 300 |
| MTX/E/M 320 | 3-4P | GW 45 274 | 200 | 4P | GW 45 284 | 200 | 3-4P | GW 45 237 | 400 |
| MTXM 400 - MTX/E/M 630 | 3-4P | GW 45 275 | 300 | 4P | GW 45 285 | 300 | 3-4P | GW 45 238 | 400 |
| MSS 250 | 3-4P | GW 45 251 | 300 | - | - | - | 3-4P | GW 45 251 | 300 |
| MSS 630 | 3-4P | GW 45 256 | 400 | - | - | - | 3-4P | GW 45 252 | 500 |

* Double insulation installation kit.

| FIXED VERSION (FRONT TERMINALS) | | | | | | | | | |
|--|----------|-----------|---|----------|-----------|--|----------|-----------|---------------------|
| L= 850 mm (36 modules) | | | | | | | | | |
| Horizontal position | | | | | | Vertical position | | | |
|  Kit for MTX/MSS | | |  Kit for MTX with add-on RCD | | |  Kit for MTX/MSS | | | |
| Type of circuit breakers | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) |
| MTX/M 160c | - | - | - | 4P | GW 45 286 | 200 | - | - | - |
| MTX/E 160 | - | - | - | 4P | GW 45 287 | 200 | - | - | - |
| MTX/M 250 | 3-4P | GW 45 276 | 200 | 4P | GW 45 288 | 200 | - | - | - |
| MTX/E/M 320 | 3-4P | GW 45 277 | 200 | 4P | GW 45 289 | 200 | - | - | - |
| MTXM 400 - MTX/E/M 630 | 3-4P | GW 45 278 | 300 | 4P | GW 45 290 | 300 | - | - | - |
| MSS 250 | 3-4P | GW 45 253 | 300 | - | - | - | 3-4P | GW 45 253 | 300 |
| MSS 630 | 3-4P | GW 45 257 | 400 | - | - | - | 3-4P | GW 45 254 | 500 |

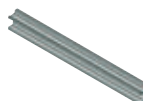

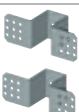






47 CVX 630 K

KIT OF EQUIPPED MTX MOULDED-CASE CIRCUIT BREAKERS FOR CVX 630 K DISTRIBUTION BOARDS

| | FIXED VERSION (FRONT TERMINALS) | | | | | | | | |
|--------------------------|--|-----------|---------------------|---|-----------|---------------------|--|---------------|---------------------|
| | L= 600 mm (24 modules) | | | | | | | | |
| | Horizontal position | | | | | | Vertical position | | |
| |  Kit for MTX rotary handle | | |  Kit for MTX motor control | | |  Kit for interlocked MTX lever control | | |
| Type of circuit breakers | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) |
| MTX/M 160c | 3-4P | GW 45 261 | 200 | 3-4P | GW 45 266 | 200 | 3-4P | GW 45 601 (1) | 300 |
| MTX/E 160 | 3-4P | GW 45 262 | 200 | 3-4P | GW 45 267 | 200 | 3-4P | GW 45 601 (1) | 300 |
| MTX/M 250 | 3-4P | GW 45 263 | 200 | 3-4P | GW 45 268 | 200 | 3-4P | GW 45 601 (1) | 300 |

(1) Possibility of frontal interlock between any two circuit breakers of the following type: MTX/M 160c - MTX/E 160 - MTX/M 250.

COMPLEMENTARY ITEMS (*)

| | | | |
|---|---|------------------|--|
| Depth adapter |  | | GW 49 209 |
| Pair of hinges |  | | GW 45 532 |
| Pair of supports for wiring trunkings |  | | GW 45 521 |
| Pair of supports for horizontal terminal block |  | | GW 45 526 |
| Pair of supports for vertical terminal block |  | | GW 45 527 (internal cable compartment) |
| | | | GW 45 528 (external cable compartment) |
| DIN profiles L = 2 meters |  | EN 50022 (DIN35) | GW 47 691 |
| | | EN 50035 (G32) | GW 47 692 |
| | | EN 50024 (C30) | GW 47 693 |
| IP43 Gasket |  | | GW 45 531 |
| Rotating handle with key |  | | GW 47 494 |
| 4 fixing brackets (for wall-mounting boards) |  | | GW 45 536 |

(*) For further accessories, refer to the COMPLEMENTARY ITEMS section.

47 CVX 630 K

Modular distribution boards up to 630 A - IP 43

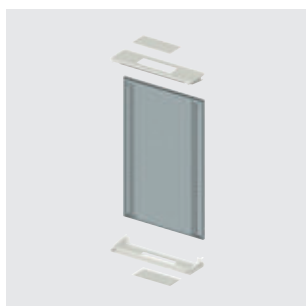
The CVX 630 K range of modular distribution boards up to 630 A, designed to make the wiring and mounting operations easier and quicker. In fact it is possible to carry out the “completely open structure” wiring and then to complete the assembly of the board. Available both in the surface-mounting version up to 1200 mm and floor-mounting version up to 2000 mm.



Technical characteristics page 872

STRUCTURAL ELEMENTS

WALL-MOUNTING DISTRIBUTION BOARDS



GW 45 004

MODULAR SIDE-BY-SIDE WALL-MOUNTING STRUCTURES IN PAINTED SHEET STEEL COLOUR GREY RAL 7035 - COMPLETE WITH FUNCTIONAL FRAMES, CABLE GLAND PLATES

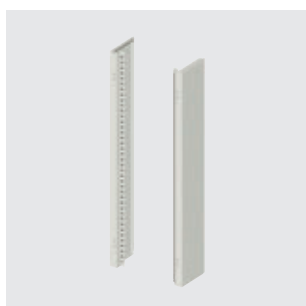
| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------------------------|--------------------------|----------------|
| GW 45 004 | 600x1000x230 | 650x1040x237 | 1 |
| GW 45 005 | 600x1200x230 | 650x1240x237 | 1 |
| GW 45 014 | 850x1000x230 | 850x1040x237 | 1 |
| GW 45 015 | 850x1200x230 | 850x1240x237 | 1 |

ACCESSORIES SUPPLIED: 2 cable gland plates with fixing screws for distribution boards L=600 mm.

6 cable gland plates with fixing screws for distribution boards L=850 mm.

NOTE: wall-mounting fixing with wall plugs. For fixing without wall plugs, order GW45536 separately (4 fixing brackets).

SIDE PLATES FOR WALL-MOUNTING DISTRIBUTION BOARDS



GW 45 024

PAIR OF SIDE PLATES FOR WALL-MOUNTING DISTRIBUTION BOARDS IN PAINTED SHEET STEEL

| Code | For structures HxD (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 024 | 1000x230 | 1 |
| GW 45 025 | 1200x230 | 1 |

ACCESSORIES SUPPLIED: screws for fixing to the structure.

FLOOR-MOUNTING DISTRIBUTION BOARDS



GW 45 009

MODULAR SIDE-BY-SIDE FLOOR-MOUNTING STRUCTURES IN PAINTED SHEET STEEL COLOUR GREY RAL 7035 - COMPLETE WITH FUNCTIONAL FRAMES, CABLE GLAND PLATES AND INSPECTABLE PLINTH H = 100 MM - COLOUR BLUE RAL 5003

| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------------------------|--------------------------|----------------|
| GW 45 007 | 600x1600x230 | 650x1740x237 | 1 |
| GW 45 008 | 600x1800x230 | 650x1940x237 | 1 |
| GW 45 009 | 600x2000x230 | 650x2140x237 | 1 |
| GW 45 017 | 850x1600x230 | 850x1740x237 | 1 |
| GW 45 018 | 850x1800x230 | 850x1940x237 | 1 |
| GW 45 019 | 850x2000x230 | 850x2140x237 | 1 |

ACCESSORIES SUPPLIED: 1 cable gland plate complete with fixing screws for the distribution boards L =600 mm,

3 cable gland plates complete with fixing screws for the distribution boards L=850 mm, 2 brackets for wall-mounting.

NOTE: the external dimensions of the board also include the dimensions of the plinth (H=100 mm).

SIDE PLATES FOR FLOOR-MOUNTING DISTRIBUTION BOARDS



GW 45 029

PAIR OF SIDE PLATES FOR FLOOR-MOUNTING DISTRIBUTION BOARDS IN PAINTED SHEET STEEL

| Code | For structures HxD (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 027 | 1600x230 | 1 |
| GW 45 028 | 1800x230 | 1 |
| GW 45 029 | 2000x230 | 1 |

ACCESSORIES SUPPLIED: screws for fixing to the structure.

DOORS



GW 45 109

TRANSPARENT DOORS IN CURVED, SMOKED GLASS, TEMPERED FOR SAFETY AND FITTED WITH HANDLE AND ROD-MECHANISM LOCK

| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 104 | 600x1000 | 1 |
| GW 45 105 | 600x1200 | 1 |
| GW 45 107 | 600x1600 | 1 |
| GW 45 108 | 600x1800 | 1 |
| GW 45 109 | 600x2000 | 1 |
| GW 45 114 | 850x1000 | 1 |
| GW 45 115 | 850x1200 | 1 |
| GW 45 117 | 850x1600 | 1 |
| GW 45 118 | 850x1800 | 1 |
| GW 45 119 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: assembly hinges; key in zama.

CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); painted sheet metal, Grey RAL 7035.



GW 45 129

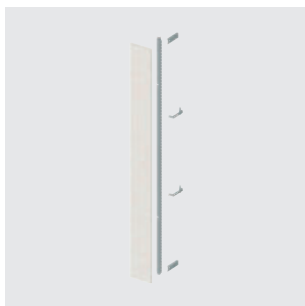
BLANK DOORS IN PAINTED SHEET METAL, FITTED WITH HANDLE AND ROD-MECHANISM LOCK

| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 124 | 600x1000 | 1 |
| GW 45 125 | 600x1200 | 1 |
| GW 45 127 | 600x1600 | 1 |
| GW 45 128 | 600x1800 | 1 |
| GW 45 129 | 600x2000 | 1 |
| GW 45 134 | 850x1000 | 1 |
| GW 45 135 | 850x1200 | 1 |
| GW 45 137 | 850x1600 | 1 |
| GW 45 138 | 850x1800 | 1 |
| GW 45 139 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: assembly hinges; key in zama.

CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); painted sheet metal, Grey RAL 7035.

INTERNAL CABLE COMPARTMENT



GW 45 039

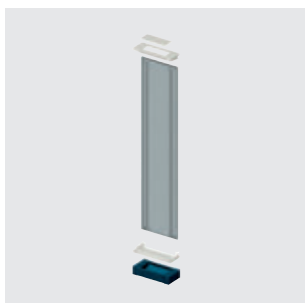
INTERNAL CABLE COMPARTMENT KIT FOR MODULAR DISTRIBUTION BOARDS, COMPLETE WITH HINGED COVER

| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 034 | 850x1000 | 1 |
| GW 45 035 | 850x1200 | 1 |
| GW 45 037 | 850x1600 | 1 |
| GW 45 038 | 850x1800 | 1 |
| GW 45 039 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: panel in painted sheet metal colour Grey RAL 7035.

CHARACTERISTICS: possibility to assemble the internal cable compartment at the right or at the left side for board L=850 mm.

EXTERNAL CABLE COMPARTMENT



GW 45 049

EXTERNAL CABLE COMPARTMENT KIT FOR MODULAR DISTRIBUTION BOARDS AND INSPECTABLE PLINTH H=100 COLOUR BLUE RAL 5003

| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------------------------|--------------------------|----------------|
| GW 45 047 | 400x1600x230 | 400x1740x237 | 1 |
| GW 45 048 | 400x1800x230 | 400x1940x237 | 1 |
| GW 45 049 | 400x2000x230 | 400x2140x237 | 1 |

ACCESSORIES SUPPLIED: 1 cable gland plate complete with fixing screws.

NOTES: the external compartment can be put together with the structure by using the special side by side kit.

The external dimensions of the external cable compartment also include the dimensions of the plinth (H=100 mm).



GW 45 149

INTERNAL/EXTERNAL BLANK DOORS IN PAINTED SHEET METAL

| Code | For structures LxH (mm) | Pack Carton |
|-----------------------------------|----------------------------|----------------|
| Description: External door | | |
| GW 45 147 | 400x1600 | 1 |
| GW 45 148 | 400x1800 | 1 |
| GW 45 149 | 400x2000 | 1 |
| Description: Internal door | | |
| GW 45 352 | 400x1600 | 1 |
| GW 45 353 | 400x1800 | 1 |
| GW 45 354 | 400x2000 | 1 |

ACCESSORIES SUPPLIED: external door equipped with rod-mechanism lock and key in zama.

NOTES: the internal doors are used on an external cable compartment put together with an IP30 structure without door.

The internal doors can be used also as inner door in the external door version.

CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); sheet metal painted with epoxy-polyester powders, Grey RAL 7035; for the external door possibility of replacing the rotary handle closure with a security lock.

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FRONT CONFIGURATION

INSTALLATION KIT FOR DEVICES ON DIN RAIL



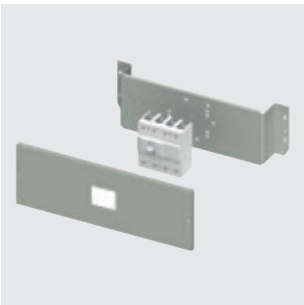
GW 45 202

**INSTALLATION KIT FOR MODULAR DEVICES (90 RANGE)
AND MCCB'S UP TO 250 A (MTX/M 160C, MTX/E 160, MTX/M 250 RANGE)
COMPLETE WITH PANELS WITH WINDOWS AND DOUBLE DIN RAIL EN 50022 (DIN 35) IN ALUMINIUM**

| Code | Dimensions LxH (mm) | Section dim. HxD (mm) | Pack Carton |
|------------------------|------------------------|--------------------------|----------------|
| No. modules: 10 | | | |
| GW 45 291 | 400x150 | 2x(35x7.5) | 1 |
| GW 45 292 | 400x200 | 2x(35x7.5) | 1 |
| GW 45 293 | 400x300 | 2x(35x7.5) | 1 |
| No. modules: 24 | | | |
| GW 45 201 | 600x150 | 2x(35x7.5) | 1 |
| GW 45 202 | 600x200 | 2x(35x7.5) | 1 |
| GW 45 203 | 600x300 | 2x(35x7.5) | 1 |
| GW 45 204 | 600x300 | 2x(35x7.5) | 1 |
| No. modules: 36 | | | |
| GW 45 206 | 850x150 | 2x(35x7.5) | 1 |
| GW 45 207 | 850x200 | 2x(35x7.5) | 1 |
| GW 45 208 | 850x300 | 2x(35x7.5) | 1 |
| GW 45 209 | 850x300 | 2x(35x7.5) | 1 |

ACCESSORIES SUPPLIED: double EN 50022 (DIN 35) rail in aluminium; 2 screws for mounting the DIN rail; 2 support brackets in galvanised sheet metal; fixing accessories.
CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; panel earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.
NOTES: for the assembly of the MCCB's with or without add-on RCD, order the special kit for fixing to the DIN rail.
The coupling of modular and MCCB's requires the GW49209 depth adapter.
GW45291 - GW45201/6 for modular devices of the 90 range only.
GW45292/3 - GW45202/3/7/8 suitable for modular devices of the 90 and MTX/M 160c, MTX/M 160c ranges with lowered "L" add-on residual current device, MTX/E 160, MTX/M 250.
GW45204/9 specific version for MTX/M 160c, MTX/E 160, MTX/M 250 with "L" add-on residual current device.

INSTALLATION KIT FOR MTX MCCB'S FIXED ON PLATE

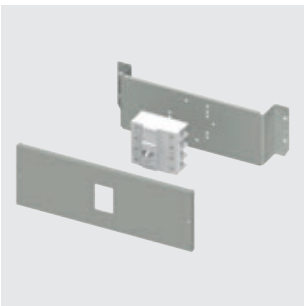


GW 45 236

**INSTALLATION KIT FOR MCCB'S UP TO 630 A, IN FIXED ASSEMBLY
COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE**

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Pack Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| No. modules: 10 | | | | | |
| GW 45 243 | 400x200 | MTX/M 160c | 3P - 4P | Vertical | 1 |
| GW 45 244 | 400x200 | MTX/E 160 | 3P - 4P | Vertical | 1 |
| GW 45 245 | 400x300 | MTX/M 250 | 3P - 4P | Vertical | 1 |
| GW 45 246 | 400x400 | MTX/E/M 320 | 3P - 4P | Vertical | 1 |
| GW 45 247 | 400x400 | MTXM 400-MTX/E/M 630 | 3P - 4P | Vertical | 1 |
| No. modules: 24 | | | | | |
| GW 45 236 | 600x300 | MTX/M 250 | 3P - 4P | Vertical | 1 |
| GW 45 237 | 600x400 | MTX/E/M 320 | 3P - 4P | Vertical | 1 |
| GW 45 238 | 600x400 | MTXM 400-MTX/E/M 630 | 3P - 4P | Vertical | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.
CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.

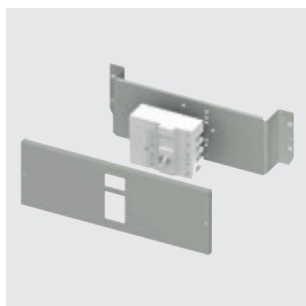


GW 45 273

**INSTALLATION KIT FOR MCCB'S UP TO 630 A, IN FIXED ASSEMBLY
COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE**

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Pack Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| No. modules: 24 | | | | | |
| GW 45 271 | 600x200 | MTX/M 160c | 3P - 4P | Horizontal | 1 |
| GW 45 272 | 600x200 | MTX/E 160 | 3P - 4P | Horizontal | 1 |
| GW 45 273 | 600x200 | MTX/M 250 | 3P - 4P | Horizontal | 1 |
| GW 45 274 | 600x200 | MTX/E/M 320 | 3P - 4P | Horizontal | 1 |
| GW 45 275 | 600x300 | MTXM 400-MTX/E/M 630 | 3P - 4P | Horizontal | 1 |
| No. modules: 36 | | | | | |
| GW 45 276 | 850x200 | MTX/M 250 | 3P - 4P | Horizontal | 1 |
| GW 45 277 | 850x200 | MTX/E/M 320 | 3P - 4P | Horizontal | 1 |
| GW 45 278 | 850x300 | MTXM 400-MTX/E/M 630 | 3P - 4P | Horizontal | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.
CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.



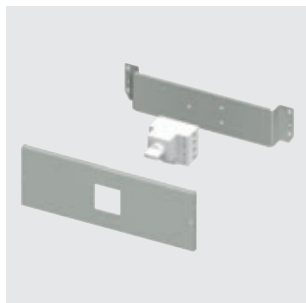
GW 45 283

INSTALLATION KIT FOR MCCB'S UP TO 500 A WITH ADD-ON RESIDUAL CURRENT DEVICE IN FIXED ASSEMBLY COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Pack Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| No. modules: 10 | | | | | |
| GW 45 248 | 400x300 | MTX/M 160c | 4P | Vertical | 1 |
| GW 45 249 | 400x400 | MTX/M 250 | 4P | Vertical | 1 |
| No. modules: 24 | | | | | |
| GW 45 281 | 600x200 | MTX/M 160c | 4P | Horizontal | 1 |
| GW 45 282 | 600x200 | MTX/E 160 | 4P | Horizontal | 1 |
| GW 45 283 | 600x200 | MTX/M 250 | 4P | Horizontal | 1 |
| GW 45 284 | 600x200 | MTX/E/M 320 | 4P | Horizontal | 1 |
| GW 45 285 | 600x300 | MTXM 400-MTX/E/M 630 | 4P | Horizontal | 1 |
| No. modules: 36 | | | | | |
| GW 45 286 | 850x200 | MTX/M 160c | 4P | Horizontal | 1 |
| GW 45 287 | 850x200 | MTX/E 160 | 4P | Horizontal | 1 |
| GW 45 288 | 850x200 | MTX/M 250 | 4P | Horizontal | 1 |
| GW 45 289 | 850x200 | MTX/E/M 320 | 4P | Horizontal | 1 |
| GW 45 290 | 850x300 | MTXM 400-MTX/E/M 630 | 4P | Horizontal | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges. GW45281/6 not suitable for lowered "L" add-on residual current device.



GW 45 262

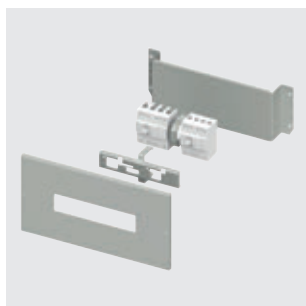
INSTALLATION KIT FOR MCCB'S UP TO 250 A WITH DIRECT ROTARY HANDLE OR MOTOR OPERATING, COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Complete with | Pack Carton |
|------------------------|------------------------|-----------------|-----------------|--------------|----------------------|----------------|
| No. modules: 24 | | | | | | |
| GW 45 261 | 600x200 | MTX/M 160c | 3P - 4P | Horizontal | Direct rotary handle | 1 |
| GW 45 262 | 600x200 | MTX/E160 | 3P - 4P | Horizontal | Direct rotary handle | 1 |
| GW 45 263 | 600x200 | MTX/M 250 | 3P - 4P | Horizontal | Direct rotary handle | 1 |
| GW 45 266 | 600x200 | MTX/M 160c | 3P - 4P | Horizontal | Motor operating | 1 |
| GW 45 267 | 600x200 | MTX/E 160 | 3P - 4P | Horizontal | Motor operating | 1 |
| GW 45 268 | 600x200 | MTX/M 250 | 3P - 4P | Horizontal | Motor operating | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.

NOTES: for these kits it is not possible to assemble the busbars on the back plate (passing behind the plate of the kit itself). The installation kits for MCCB's with a direct rotating handle are not compatible with the blank board door.



GW 45 601

INSTALLATION KIT FOR INTERLOCKED MCCB'S UP TO 250 A, COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Control | Pack Carton |
|------------------------|------------------------|--------------------------------|-----------------|--------------|---------|----------------|
| No. modules: 24 | | | | | | |
| GW 45 601 | 600x300 | MTX/M 160c-MTX/E 160-MTX/M 250 | 3P - 4P | Vertical | Lever | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.

NOTE: possibility of front interlock between any 2 circuit breakers of the following types: MTX/M 160c - MTX/E 160 - MTX/M 250.

Interlock system to be purchased separately.

INSTALLATION KIT FOR MSS SWITCH DISCONNECTORS FIXED ON PLATE



GW 45 252

INSTALLATION KIT FOR SWITCH-DISCONNECTORS
IN FIXED ASSEMBLY COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Pack Carton |
|-----------------|------------------------|-----------------|-----------------|---------------------|----------------|
| No. modules: 10 | | | | | |
| GW 45 298 | 400x300 | MSS 250 | 3P - 4P | Vertical | 1 |
| GW 45 299 | 400x500 | MSS 630 | 3P - 4P | Vertical | 1 |
| No. modules: 24 | | | | | |
| GW 45 251 | 600x300 | MSS 250 | 3P - 4P | Horizontal/Vertical | 1 |
| GW 45 252 | 600x500 | MSS 630 | 3P - 4P | Vertical | 1 |
| GW 45 256 | 600x400 | MSS 630 | 3P - 4P | Horizontal | 1 |
| No. modules: 36 | | | | | |
| GW 45 253 | 850x300 | MSS 250 | 3P - 4P | Horizontal/Vertical | 1 |
| GW 45 254 | 850x500 | MSS 630 | 3P - 4P | Vertical | 1 |
| GW 45 257 | 850x400 | MSS 630 | 3P - 4P | Horizontal | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.
CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.
NOTE: the installation kits for switch disconnectors are not compatible with the blank door of distribution board.

FRONT PANELS



GW 45 304

BLANK FRONT PANELS

| Code | Dimensions LxH (mm) | Pack Carton |
|------------------------|------------------------|----------------|
| No. modules: 10 | | |
| GW 45 341 | 400x50 | 1 |
| GW 45 342 | 400x100 | 1 |
| GW 45 343 | 400x150 | 1 |
| GW 45 344 | 400x200 | 1 |
| GW 45 345 | 400x300 | 1 |
| GW 45 346 | 400x400 | 1 |
| GW 45 347 | 400x600 | 1 |
| GW 45 348 | 400x800 | 1 |
| No. modules: 24 | | |
| GW 45 301 | 600x50 | 1 |
| GW 45 302 | 600x100 | 1 |
| GW 45 303 | 600x150 | 1 |
| GW 45 304 | 600x200 | 1 |
| GW 45 305 | 600x300 | 1 |
| GW 45 306 | 600x400 | 1 |
| GW 45 307 | 600x600 | 1 |
| No. modules: 36 | | |
| GW 45 321 | 850x50 | 1 |
| GW 45 322 | 850x100 | 1 |
| GW 45 323 | 850x150 | 1 |
| GW 45 324 | 850x200 | 1 |
| GW 45 325 | 850x300 | 1 |
| GW 45 326 | 850x400 | 1 |
| GW 45 327 | 850x600 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; pre-arrangement of panels for rotation hinges (except for GW45301/2 and GW45321/2).



GW 45 374

METAL FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

| Code | Dimensions LxH (mm) | 3-way switch no. x hole Ø | Instruments N. x dimensions | Pack Carton |
|------------------------|------------------------|------------------------------|--------------------------------|----------------|
| No. modules: 24 | | | | |
| GW 45 374 | 600x200 | 1 Ø 9.5 mm | 4 96x96 mm | 1 |
| No. modules: 36 | | | | |
| GW 45 379 | 850x200 | 1 Ø 9.5 mm | 4 96x96 mm | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.

APPLICATIONS: installation of ammeters, voltmeters, voltmeter/ammeter three-way switches.



GW 45 362

VENTILATION FRONT PANELS

| Code | Dimensions LxH (mm) | Pack Carton |
|------------------------|------------------------|----------------|
| No. modules: 24 | | |
| GW 45 362 | 600x200 | 1 |
| No. modules: 36 | | |
| GW 45 367 | 850x200 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.

APPLICATIONS: natural ventilation in wall and floor-mounting distribution boards.

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INTERNAL CONFIGURATION

DIN RAILS



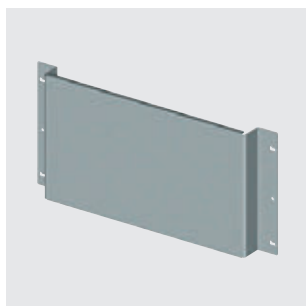
GW 45 401

DIN RAILS FOR MODULAR DEVICES (90 RANGE) AND MCCBS UP TO 250 A (MTX/M 160C, MTX/E 160, MTX/M 250 RANGE) COMPLETE WITH BRACKETS FOR ASSEMBLY

| Code | Section dim. HxD (mm) | Profile | Material | Pack Carton |
|------------------------|--------------------------|--------------------------|-----------|----------------|
| No. modules: 24 | | | | |
| GW 45 401 | 2x(35x7.5) | Double EN 50022 (DIN 35) | Aluminium | 1 |
| No. modules: 36 | | | | |
| GW 45 402 | 2x(35x7.5) | Double EN 50022 (DIN 35) | Aluminium | 1 |

ACCESSORIES SUPPLIED: double EN 50022 (DIN 35) rail in aluminium; 2 screws for mounting the DIN rail. 2 support brackets in galvanised sheet metal; fixing accessories.

BACK-MOUNTING PLATES



GW 45 422

BACK-MOUNTING PLATES FOR NON-MODULAR DEVICES, COMPLETE WITH FIXING SUPPORTS

| Code | Dimensions LxH (mm) | Pack Carton |
|------------------------|------------------------|----------------|
| No. modules: 10 | | |
| GW 45 406 | 400x300 | 1 |
| No. modules: 24 | | |
| GW 45 421 | 600x200 | 1 |
| GW 45 422 | 600x400 | 1 |
| GW 45 423 | 600x600 | 1 |
| No. modules: 36 | | |
| GW 45 431 | 850x200 | 1 |
| GW 45 432 | 850x400 | 1 |
| GW 45 433 | 850x600 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: galvanised sheet metal plate (20/10 mm thick).

DIVIDERS



GW 45 451

HORIZONTAL DIVIDING RAILS IN THE STRUCTURE

| Code | Width (mm) | Pack Carton |
|------------------------|---------------|----------------|
| No. modules: 24 | | |
| GW 45 451 | 600 | 1 |
| No. modules: 36 | | |
| GW 45 452 | 850 | 1 |

CHARACTERISTICS: allow the internal separation of the distribution board.



GW 45 449

VERTICAL DIVIDING RAILS IN THE STRUCTURE AND IN THE CABLE COMPARTMENT

| Code | Height H (mm) | Pack Carton |
|--|------------------|----------------|
| Suitable for: internal cable compartment | | |
| GW 45 444 | 1000 | 1 |
| GW 45 445 | 1200 | 1 |
| GW 45 447 | 1600 | 1 |
| GW 45 448 | 1800 | 1 |
| GW 45 449 | 2000 | 1 |
| Suitable for: structures / ext. cable comp. | | |
| GW 45 467 | 1600 | 1 |
| GW 45 468 | 1800 | 1 |
| GW 45 469 | 2000 | 1 |

CHARACTERISTICS: allow the internal separation (form 2B) in the case of busbar in the cable compartment.

COMPLEMENTARY ITEMS

ACCESSORIES

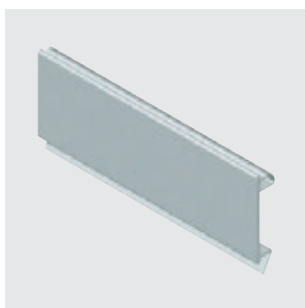


GW 49 209

DEPTH ADAPTER

| Code | Length (mm) | Pack Carton |
|-----------|-------------|-------------|
| GW 49 209 | 600 | 1 |

APPLICATIONS: compensation of the different installation depths on DIN rail EN 50022 of the modular devices (90 range) and moulded case circuit breakers (MTX/M 160c - MTX/E 160 - MTX/M 250 range).

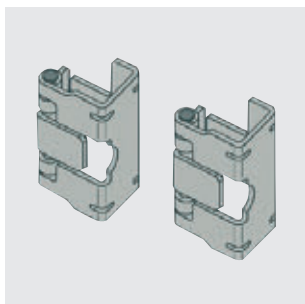


GW 47 291

BLANKING MODULE PROFILE IN PLASTIC MATERIAL - COLOUR GREY RAL 7035

| Code | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------|-------------|
| GW 47 291 | 24 | 10 |

CHARACTERISTICS: clip fixing on DIN perforated front panels.



GW 45 532

PAIR OF METAL HINGES FOR FRONT PANELS

| Code | Fixing type | Opening angle | Suitable for | Pack Carton |
|-----------|-------------|---------------|---------------------------------|-------------|
| GW 45 532 | With screw | 90° | For panels H higher than 100 mm | 1 |

ACCESSORIES SUPPLIED: panel closure cap.

CHARACTERISTICS: additional earthing of the panel by contact.

APPLICATIONS: option of hinging front panels.



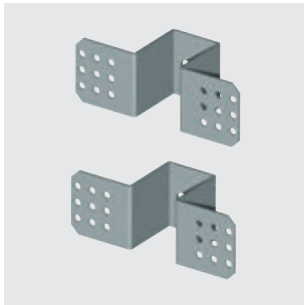
GW 47 691

DIN PROFILES

| Code | Section dim. HxD (mm) | Profile | Material | Pack Carton |
|---------------------------|-----------------------|-------------------|------------------|-------------|
| Length: 24 modules | | | | |
| GW 45 411 | 35x15 | EN 50022 (DIN 35) | Galvanized metal | 1 |
| GW 45 412 | 32x15 | EN 50035 (G 32) | Galvanized metal | 1 |
| Length: 36 modules | | | | |
| GW 45 416 | 35x15 | EN 50022 (DIN 35) | Galvanized metal | 1 |
| GW 45 417 | 32x15 | EN 50035 (G 32) | Galvanized metal | 1 |
| Length: 2000 mm | | | | |
| GW 47 691 | 35x15 | EN 50022 (DIN 35) | Galvanized metal | 1/5 |
| GW 47 692 | 32x15 | EN 50035 (G 32) | Galvanized metal | 1/5 |
| GW 47 693 | 30x15 | EN 50024 (C30) | Galvanized metal | 1/5 |

NOTE: the DIN profiles with 24 and 36 modules can be fixed directly on the frame.

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GW 45 521

PAIR OF SUPPORTS FOR WIRING TRUNKING

| Code | Installation | Suitable for | Pack Carton |
|-----------|---------------------|----------------------------------|-------------|
| GW 45 521 | Horizontal/Vertical | Distribution boards L=600/850 mm | 1 |

APPLICATIONS: both horizontal and vertical assembly of wiring trunking up to 80x80 mm.



GW 45 526

PAIR OF SUPPORTS FOR HORIZONTAL TERMINAL BLOCK

| Code | Suitable for | Pack Carton |
|-----------|----------------------------------|-------------|
| GW 45 526 | Distribution boards L=600/850 mm | 1 |



GW 45 527

PAIR OF SUPPORTS FOR VERTICAL TERMINAL BLOCK

| Code | Suitable for | Pack Carton |
|-----------|----------------------------|-------------|
| GW 45 527 | Internal cable compartment | 1 |
| GW 45 528 | External cable compartment | 1 |



GW 46 448

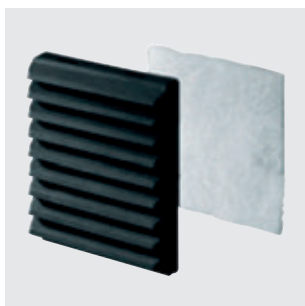
VENTILATION KIT

| Code | IP degree | Rated voltage | Fixing hole (mm) | Screws centre distance (mm) | Pack Carton |
|-----------|-----------|--------------------|------------------|-----------------------------|-------------|
| GW 46 448 | IP44 | 230 V - 50 / 60 Hz | 125x117 | 123x115 | 1/2 |

CHARACTERISTICS: the fan takes in air from the outside and introduces it into the distribution board, creating a slight overpressure that prevents foreign particles from entering. Max fan capacity 60 m³/h. Absorbed power equal to 20 W.

APPLICATIONS: forced ventilation in critical thermal conditions.

ACCESSORIES SUPPLIED: drilling template.



GW 46 471

AERATION KIT

| Code | IP degree | Fixing hole (mm) | Screws centre distance (mm) | Pack Carton |
|-----------|-----------|------------------|-----------------------------|-------------|
| GW 46 471 | IP44 | 125x117 | 123x115 | 1/10 |

ACCESSORIES SUPPLIED: drilling template.

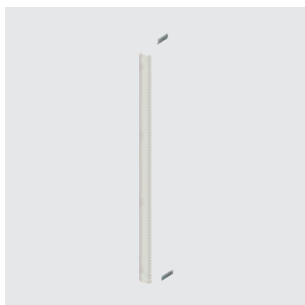


GW 45 512

ADDITIONAL PLINTH H=100 COLOUR BLUE RAL 5003 PAINTED WITH REMOVABLE FRONT AND REAR PANELS

| Code | Dimensions LxD (mm) | Pack Carton |
|-----------|---------------------|-------------|
| GW 45 511 | 400x230 | 1 |
| GW 45 512 | 600x230 | 1 |
| GW 45 513 | 850x230 | 1 |

CHARACTERISTICS: additional plinth to facilitate cable entry and/or raise the distribution board. Lateral pre-breaking for the cable passages.

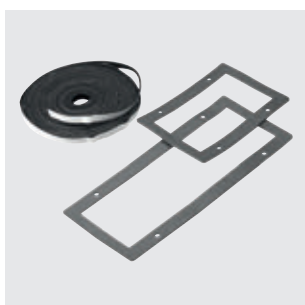


GW 45 509

KIT FOR SIDE-BY-SIDE COUPLING OF STRUCTURES

| Code | Suitable for | Pack Carton |
|-----------|----------------------|-------------|
| GW 45 504 | Structures H=1000 mm | 1 |
| GW 45 505 | Structures H=1200 mm | 1 |
| GW 45 507 | Structures H=1600 mm | 1 |
| GW 45 508 | Structures H=1800 mm | 1 |
| GW 45 509 | Structures H=2000 mm | 1 |

ACCESSORIES SUPPLIED: frontal upright, plates and gasket.



GW 45 531

GASKET KIT IP43

| Code | Suitable for | Pack Carton |
|-----------|-----------------------------|-------------|
| GW 45 531 | Door and cable gland plates | 1 |

ACCESSORIES SUPPLIED: roll gasket for door and shaped gasket for cable gland plates.



GW 45 518

CROSSPIECES FOR CABLE FIXING

| Code | Suitable for | Pack Carton |
|-----------|------------------------------|-------------|
| GW 45 516 | Internal cable compartment | 1 |
| GW 45 517 | External cable compartment | 1 |
| GW 45 518 | Distribution boards L=600 mm | 1 |
| GW 45 519 | Distribution boards L=850 mm | 1 |

APPLICATION: permits the fixing of the input/output cables on the distribution board structure.



GW 45 534

PERFORATED AND THREADED EARTH BUSBAR

| Code | For distribution boards | Section (mm²) | N./diam. of threaded holes | Step drilling (mm) | Pack Carton |
|-----------|-------------------------|---------------|----------------------------|--------------------|-------------|
| GW 45 534 | L=600 | 20x5 | 24xM6 | 18 mm | 1 |
| GW 45 535 | L=850 | 20x5 | 36xM6 | 18 mm | 1 |

NOTE: direct fixing on the functional frames.



GW 45 537

EARTH TERMINAL BLOCKS

| Code | For distribution boards | Section (mm²) | N. terminal and section (mm²) | Step drilling (mm) | Pack Carton |
|-----------|-------------------------|---------------|-------------------------------|--------------------|-------------|
| GW 45 537 | L=400 | 10x7 | 1x35+11x16+13x10 | 6.5 mm | 1 |
| GW 45 538 | L=600 | 10x7 | 2x(1x35+11x16+13x10) | 6.5 mm | 1 |



GW 46 447

ADHESIVE DOCUMENT POCKET

| Code | Dimensions LxH (mm) | Pack Carton |
|-----------|---------------------|-------------|
| GW 46 447 | 230x310 | 1/10 |



GW 47 192

SECURITY LOCK FOR WALL-MOUNTING DISTRIBUTION BOARDS

| Code | Characteristics | Pack Carton |
|------------------|-----------------|----------------|
| GW 47 192 | Yale type | 1/10 |

NOTE: the lock is supplied with identical keys.

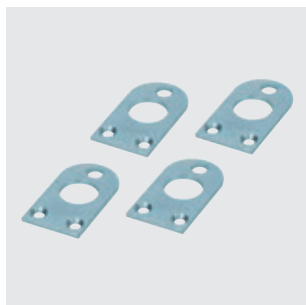


GW 47 494

ROTARY SAFETY HANDLE FOR FLOOR-MOUNTING DISTRIBUTION BOARDS

| Code | Characteristics | Pack Carton |
|------------------|-----------------|----------------|
| GW 47 494 | Yale type | 1 |

NOTE: the lock is supplied with identical keys. The rotary handle can also be used for the door of the external cable compartment.



GW 45 536

SET OF 4 METAL BRACKETS FOR WALL-MOUNTING FIXING

| Code | Suitable for | Pack Carton |
|------------------|----------------------------------|----------------|
| GW 45 536 | Wall-mounting distribuion boards | 1 |

47 CVX 630 K



QUICK AND EASY
MOUNTING



The bracket for the kit of installation of the modular devices is mounted on functional frame without the use of screws or tools and ensures high resistance and greater mechanical stability over the time.

SIMPLE INSTALLATION AND
COMFORTABLE MAINTENANCE



All metal components of distribution board ensure the earthing by contact thus avoiding additional connections. All front panels are supplied with unlosable screws and can be fitted with hinges in order to facilitate the maintenance operations after the installation of distribution board.

STRENGTH
AND DESIGN



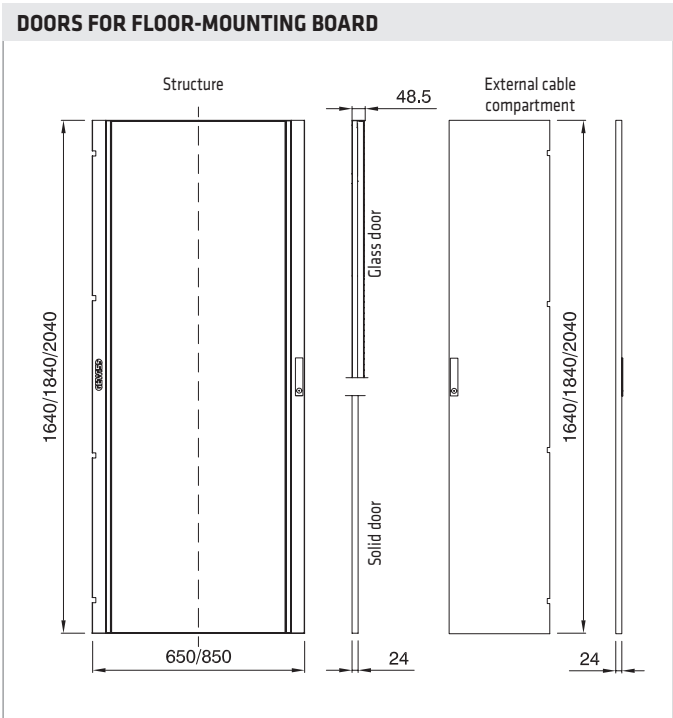
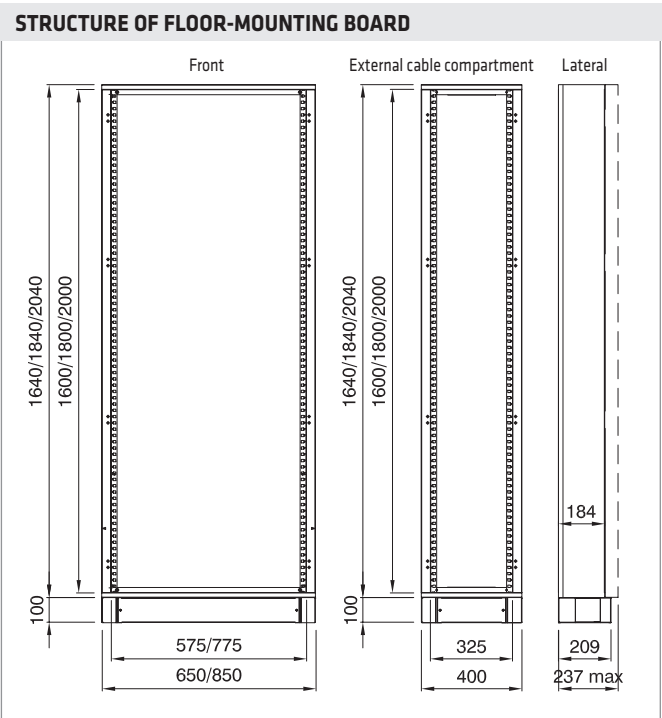
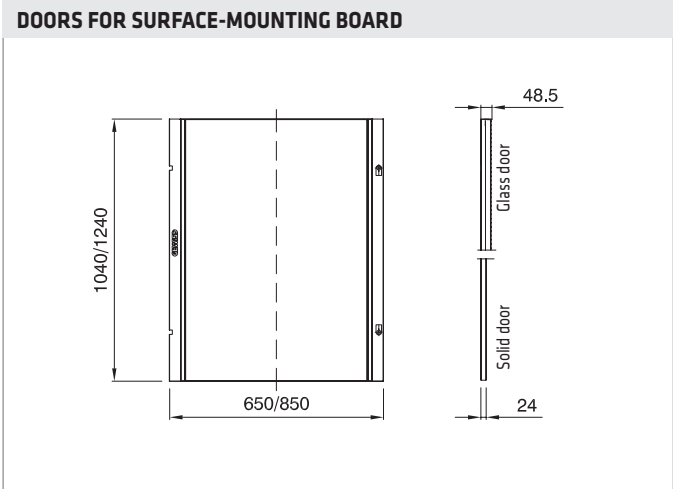
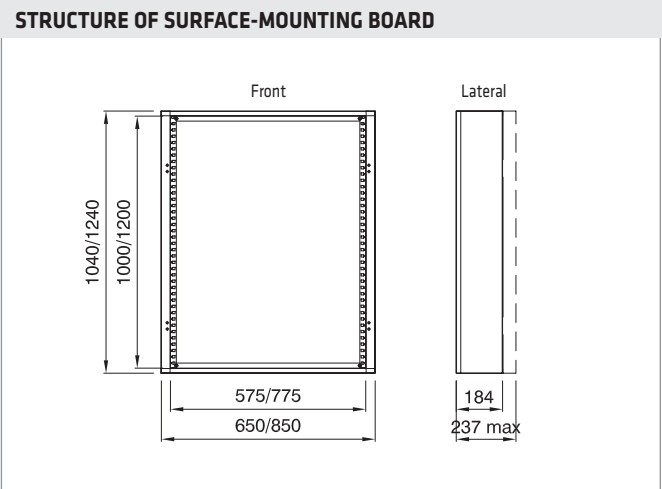
The fine design and the special curved glass of the door allow the installation of the distribution board also in elegant environments as well as in advanced tertiary sectors thanks to its sturdiness.

Technical data

| CVX 630K | |
|--|---|
| Electrical characteristics | Mechanical characteristics |
| Standards: EN 61439-1 and EN 61439-2, EN 62208 | Degree of protection: IP 30 without door |
| Rated current (In): up to 630 A | IP40 with glass/blank door |
| Rated operational voltage (Ue): up to 690V AC | IP43 with glass/blank door and IP43 kit |
| Rated insulation voltage (Ui): up to 1000V AC | Impact resistance: IK 07 for glass door |
| Rated impulse withstand voltage (Uimp): 8 kV 1.2/50 μs | IK 10 for metal casing and front panels |
| Rated conditioned short-circuit current (Icc): 36 kA | Operating temperature: -5°C - 40°C |
| Rated peak withstand current (Ipk): 73 kA | Storage temperature: -25°C - 55°C |
| Rated short-time withstand current (Icw): 35 kA (1s) | Sheet steel casing and functional uprights: 15/10mm thick |
| Protection against indirect contact: metal casing prearranged for earth connection | Sheet steel panels: 12/10mm thick |
| | Sheet steel door: 15/10mm thick |
| | Back-mounting plates and kit for MCCB plates in hot galvanised sheet metal: 20/10mm thick |
| | Sheet metal painted with colour Grey RAL 7035 epoxy-polyester powder |

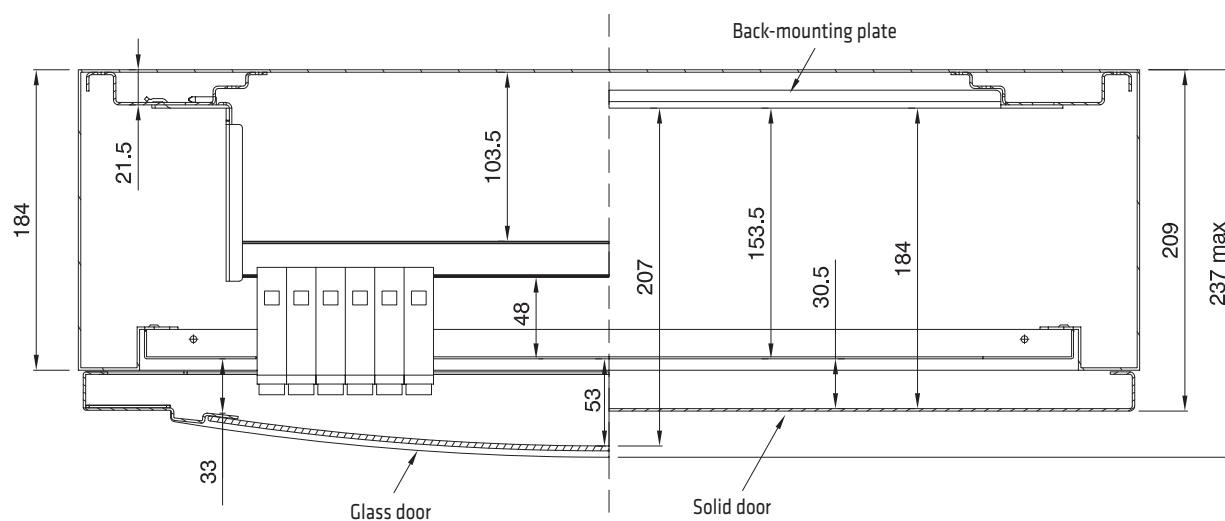
| FUNCTIONAL CHARACTERISTICS | |
|--|--|
| Type of installation: indoors | Base (height 100mm) palletizable by removing the front and rear panels |
| Capacity: 24/36 EN 50022 modules per row | Structures can be lined up using the provided kit |
| Top and bottom cable entry through metal cable gland plates | Structure can be wall-mounted using brackets |
| Internal functional uprights with 25mm pitch drilled for the assembly of the equipment installation kits | Earthing by contact of metal parts |
| Pre-arrangement for assembly of internal compartment in board at width 850mm | Door assembly with reversible opening (right or left side) |

Dimension tables

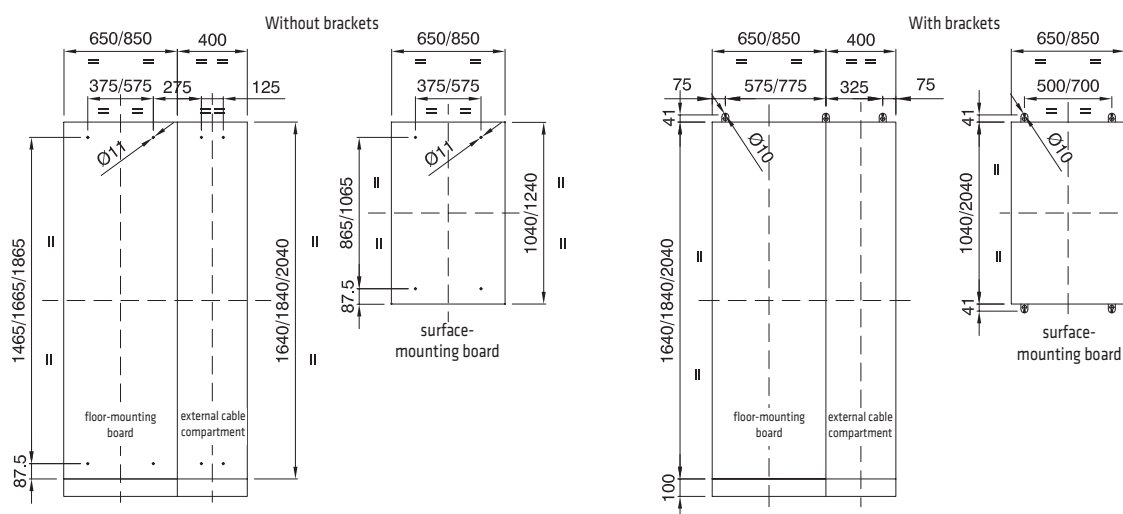


47 CVX 630 K

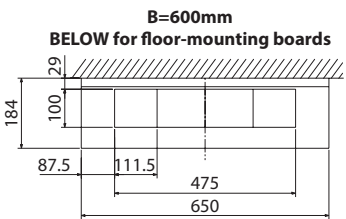
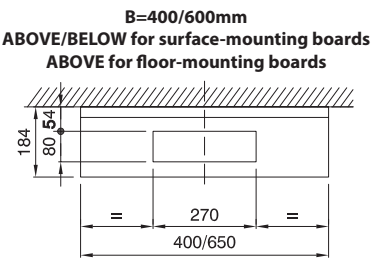
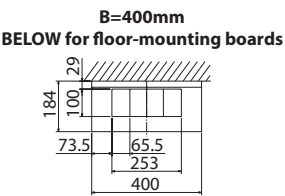
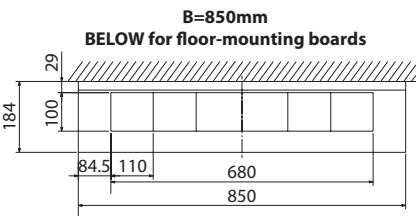
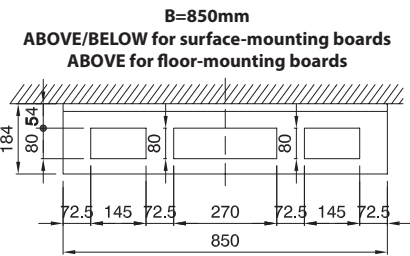
STRUCTURE SECTION



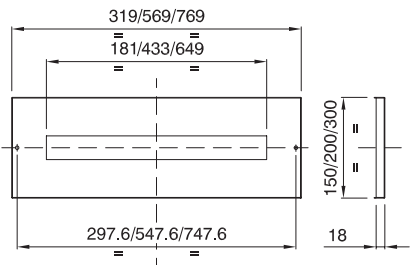
SURFACE FIXING



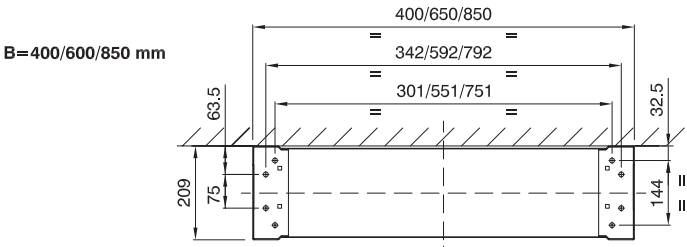
CABLE ENTRY



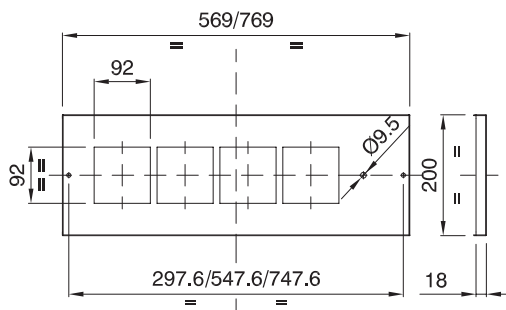
PANELS WITH WINDOWS



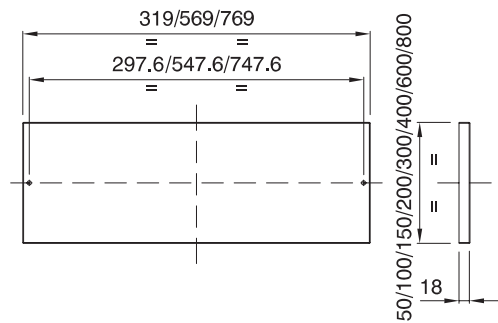
FLOOR FIXING



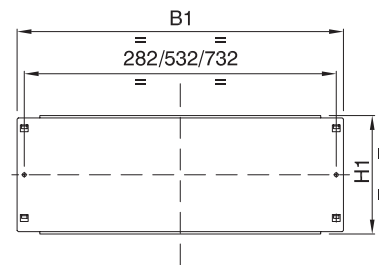
INSTRUMENT PANELS



SOLID PANELS











BACK-MOUNTING PLATES














| Functional dimensions | | Real dimensions | |
|-----------------------|--------|-----------------|---------|
| B (mm) | H (mm) | B1 (mm) | H1 (mm) |
| 600 | 200 | 556 | 198 |
| 600 | 400 | 556 | 398 |
| 600 | 600 | 556 | 598 |
| 850 | 200 | 756 | 198 |
| 850 | 400 | 756 | 398 |
| 850 | 600 | 756 | 598 |

Selection tables



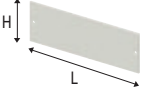











| CVX 630 M WALL-MOUNTING STRUCTURES | | | | | | |
|------------------------------------|---|--------------------|--------------------|--------------------|--------------------|---------------------------------------|
| STRUCTURES | | | | | | |
| FUNCTIONAL DIM. (LxH) | | 600x1000 mm | 600x1200 mm | 850x1000 mm | | 850x1200 mm |
| Modular capacity | Pitch 150 mm | 144 mod. (24x6) | 192 mod. (24x8) | 144 mod. (24x6) | 216 mod. (36x6) | 192 mod. (24x8) 288 mod. (36x8) |
| | Pitch 200 mm | 120 mod. (24x5) | 144 mod. (24x6) | 120 mod. (24x5) | 180 mod. (36x5) | 144 mod. (24x6) 216 mod. (36x6) |
| Structures |  | GW 45 054 | GW 45 055 | GW 45 064 | | GW 45 065 |
| Solid side panels |  | GW 45 074 | GW 45 075 | GW 45 074 | | GW 45 075 |
| Aerated side panels |  | GW 45 394 | GW 45 395 | GW 45 394 | | GW 45 395 |
| Curved glass doors |  | GW 45 154 | GW 45 155 | GW 45 164 | | GW 45 165 |
| Solid doors |  | GW 45 174 | GW 45 175 | GW 45 184 | | GW 45 185 |
| Internal cable compartment |  | - | - | GW 45 084 | | GW 45 085 |
| Side-by-side installation kit | Plates  | GW 45 533 | GW 45 533 | GW 45 533 | | GW 45 533 |
| | IP55 Gasket  | GW 47 473 | GW 47 473 | GW 47 473 | | GW 47 473 |

47 CVX 630 M

| CVX 630 M FLOOR-MOUNTING STRUCTURES | | | | | | | | | | |
|-------------------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| STRUCTURES | | | | | | | | | | |
| FUNCTIONAL DIM. (LxH) | | 600x1600 mm | 600x1800 mm | 600x2000 mm | 850x1600 mm | | 850x1800 mm | | 850x2000 mm | |
| Modular capacity | Pitch 150 mm | 240 mod. (24x10) | 288 mod. (24x12) | 312 mod. (24x13) | 240 mod. (24x10) | 360 mod. (36x10) | 288 mod. (24x12) | 432 mod. (36x12) | 312 mod. (24x13) | 468 mod. (36x13) |
| | Pitch 200 mm | 192 mod. (24x8) | 216 mod. (24x9) | 240 mod. (24x10) | 192 mod. (24x8) | 288 mod. (36x8) | 216 mod. (24x9) | 324 mod. (36x9) | 240 mod. (24x10) | 360 mod. (36x10) |
| Structures |  | GW 45 057 | GW 45 058 | GW 45 059 | GW 45 067 | | GW 45 068 | | GW 45 069 | |
| Solid side panels |  | GW 45 077 | GW 45 078 | GW 45 079 | GW 45 077 | | GW 45 078 | | GW 45 079 | |
| Aerated side panels |  | GW 45 397 | GW 45 398 | GW 45 399 | GW 45 397 | | GW 45 398 | | GW 45 399 | |
| Curved glass doors |  | GW 45 157 | GW 45 158 | GW 45 159 | GW 45 167 | | GW 45 168 | | GW 45 169 | |
| Solid doors |  | GW 45 177 | GW 45 178 | GW 45 179 | GW 45 187 | | GW 45 188 | | GW 45 189 | |
| Internal cable compartment |  | - | - | - | GW 45 087 | | GW 45 088 | | GW 45 089 | |
| Side-by-side installation kit | Plates  | GW 47 472 | GW 47 472 | GW 47 472 | GW 47 472 | | GW 47 472 | | GW 47 472 | |
| | IP55 Gasket  | GW 47 473 | GW 47 473 | GW 47 473 | GW 47 473 | | GW 47 473 | | GW 47 473 | |



| EXTERNAL CABLE COMPARTMENT | | | |
|--|-------------|-------------|-------------|
| FUNCTIONAL DIM. (LxH) | 400x1600 mm | 400x1800 mm | 400x2000 mm |
| External cable compartment  | GW 45 097 | GW 45 098 | GW 45 099 |
| Internal solid doors  | GW 45 352 | GW 45 353 | GW 45 354 |
| External solid doors  | GW 45 197 | GW 45 198 | GW 45 199 |


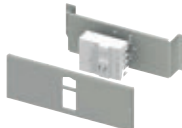

CVX 630 M DISTRIBUTION BOARD CONFIGURATION

| | | | | Panel height H (mm) | L = 400 mm (10 mod.) | L = 600 mm (24 mod.) | L = 850 mm (36 mod.) |
|--|---|------------------------------------|---|---------------------|----------------------|----------------------|----------------------|
| DIN rail installation kit |  | DIN EN 50022 double - aluminium |  | 150 | GW 45 291 | GW 45 201 | GW 45 206 |
| | | | | 200 | GW 45 292 | GW 45 202 | GW 45 207 |
| | | | | 300 | GW 45 293 | GW 45 203 | GW 45 208 |
| | | | | 300 (1) | - | GW 45 204 | GW 45 209 |
| Solid front panels |  | | | 50 | GW 45 341 | GW 45 301 | GW 45 321 |
| | | | | 100 | GW 45 342 | GW 45 302 | GW 45 322 |
| | | | | 150 | GW 45 343 | GW 45 303 | GW 45 323 |
| | | | | 200 | GW 45 344 | GW 45 304 | GW 45 324 |
| | | | | 300 | GW 45 345 | GW 45 305 | GW 45 325 |
| | | | | 400 | GW 45 346 | GW 45 306 | GW 45 326 |
| | | | | 600 | GW 45 347 | GW 45 307 | GW 45 327 |
| | | | | 800 | GW 45 348 | - | - |
| Front panels for instruments |  | | | 200 | - | GW 45 374 | GW 45 379 |
| Front aerated panels |  | | | 200 | - | GW 45 362 | GW 45 367 |
| DIN rails |  | DIN EN 50022 double - aluminium |  | - | - | GW 45 401 | GW 45 402 |
| Profiles for fixing directly on frame |  | DIN EN 50022 |  | - | - | GW 45 411 | GW 45 416 |
| | | DIN EN 50035 |  | - | - | GW 45 412 | GW 45 417 |
| Back-mounting plates |  | | | 200 | - | GW 45 421 | GW 45 431 |
| | | | | 300 | GW 45 406 | - | - |
| | | | | 400 | - | GW 45 422 | GW 45 432 |
| | | | | 600 | - | GW 45 423 | GW 45 433 |
| Earth terminal blocks |  | | | - | GW 45 537 | GW 45 538 | - |
| Earth bar |  | | | - | - | GW 45 534 | GW 45 535 |
| Horizontal dividers |  | | | - | - | GW 45 453 | GW 45 454 |




(1) Specific version for MTX/M 160c, MTX/E 160, MTX/M 250 combined with an "L"-shaped add-on residual current device.

KIT OF MTX MOULDED-CASE CIRCUIT BREAKERS AND MSS SWITCH DISCONNECTOR FOR CVX 630 M DISTRIBUTION BOARDS





| FIXED VERSION (front terminals) | | | | | | |
|--|----------|-----------|---------------------|--|-----------|---------------------|
| L= 400 mm (10 modules) | | | | | | |
| Vertical position | | | | | | |
|  Kit for MTX with add-on RCD | | | |  Kit for MTX/MSS | | |
| Type of circuit breakers | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) |
| MTX/M 160c | 4P | GW 45 248 | 300 | 3-4P | GW 45 243 | 200 |
| MTX/E 160 | - | - | - | 3-4P | GW 45 244 | 200 |
| MTX/M 250 | 4P | GW 45 249 | 400 | 3-4P | GW 45 245 | 300 |
| MTX/E/M 320 | - | - | - | 3-4P | GW 45 246 | 400 |
| MTXM 400 - MTX/E/M 630 | - | - | - | 3-4P | GW 45 247 | 400 |
| MSS 250 | - | - | - | 3-4P | GW 45 298 | 300 |
| MSS 630 | - | - | - | 3-4P | GW 45 299 | 500 |

| FIXED VERSION (front terminals) | | | | | | | | | |
|---|----------|-----------|--|----------|-----------|---|----------|-----------|---------------------|
| L= 600 mm (24 modules) | | | | | | | | | |
| Horizontal position | | | | | | Vertical position | | | |
|  Kit for MTX/MSS | | |  Kit for MTX with add-on RCD | | |  Kit for MTX/MSS | | | |
| Type of circuit breakers | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) |
| MTX/M 160c | 3-4P | GW 45 271 | 200 | 4P | GW 45 281 | 200 | - | - | - |
| MTX/E 160 | 3-4P | GW 45 272 | 200 | 4P | GW 45 282 | 200 | - | - | - |
| MTX/M 250 | 3-4P | GW 45 273 | 200 | 4P | GW 45 283 | 200 | 3-4P | GW 45 236 | 300 |
| MTX/E/M 320 | 3-4P | GW 45 274 | 200 | 4P | GW 45 284 | 200 | 3-4P | GW 45 237 | 400 |
| MTXM 400 - MTX/E/M 630 | 3-4P | GW 45 275 | 300 | 4P | GW 45 285 | 300 | 3-4P | GW 45 238 | 400 |
| MSS 250 | 3-4P | GW 45 251 | 300 | - | - | - | 3-4P | GW 45 251 | 300 |
| MSS 630 | 3-4P | GW 45 256 | 400 | - | - | - | 3-4P | GW 45 252 | 500 |

* Double insulation installation kit.

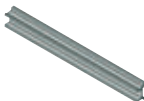







| FIXED VERSION (front terminals) | | | | | | | | | |
|--|----------|-----------|---|----------|-----------|--|----------|-----------|---------------------|
| L= 850 mm (36 modules) | | | | | | | | | |
| Horizontal position | | | | | | Vertical position | | | |
|  Kit for MTX/MSS | | |  Kit for MTX with add-on RCD | | |  Kit for MTX/MSS | | | |
| Type of circuit breakers | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) |
| MTX/M 160c | - | - | - | 4P | GW 45 286 | 200 | - | - | - |
| MTX/E 160 | - | - | - | 4P | GW 45 287 | 200 | - | - | - |
| MTX/M 250 | 3-4P | GW 45 276 | 200 | 4P | GW 45 288 | 200 | - | - | - |
| MTX/E/M 320 | 3-4P | GW 45 277 | 200 | 4P | GW 45 289 | 200 | - | - | - |
| MTXM 400 - MTX/E/M 630 | 3-4P | GW 45 278 | 300 | 4P | GW 45 290 | 300 | - | - | - |
| MSS 250 | 3-4P | GW 45 253 | 300 | - | - | - | 3-4P | GW 45 253 | 300 |
| MSS 630 | 3-4P | GW 45 257 | 400 | - | - | - | 3-4P | GW 45 254 | 500 |

KIT OF EQUIPPED MTX MOULDED CASE CIRCUIT BREAKERS FOR CVX 630 M DISTRIBUTION BOARDS

| | FIXED VERSION (front terminals) | | | | | | | | | | | |
|--------------------------|--|-----------|---------------------|--|-----------|---------------------|---|-----------|---------------------|--|---------------|---------------------|
| | L= 600 mm (24 modules) | | | | | | | | | | | |
| | Horizontal position | | | | | | | | | Vertical position | | |
| |  Kit for MTX rotary handle | | |  Kit for MTX motor control | | |  Kit for interlocked MTX lever control | | |  Kit for interlocked MTX lever control | | |
| Type of circuit breakers | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) | N. Poles | Code | Panel height H (mm) |
| MTX/M 160c | 3-4P | GW 45 261 | 200 | 3-4P | GW 45 266 | 200 | - | - | - | 3-4P | GW 45 601 (1) | 300 |
| MTX/E 160 | 3-4P | GW 45 262 | 200 | 3-4P | GW 45 267 | 200 | - | - | - | 3-4P | GW 45 601 (1) | 300 |
| MTX/M 250 | 3-4P | GW 45 263 | 200 | 3-4P | GW 45 268 | 200 | 3-4P | GW 45 602 | 500 | 3-4P | GW 45 601 (1) | 300 |
| MTX/E/M 320 | 3-4P | GW 45 264 | 200 | - | - | - | 3-4P | GW 45 603 | 600 | - | - | - |
| MTXM 400 MTX/E/M 630 | 3-4P | GW 45 265 | 300 | - | - | - | 3-4P | GW 45 604 | 600 | - | - | - |

(1) Possibility of frontal interlock between any two circuit breakers of the following types: MTX/M 160c - MTX/E 160 - MTX/M 250.

COMPLEMENTARY ITEMS (*)

| | | |
|--|---|---|
| Depth adapter |  | GW 49 209 |
| Pair of hinges |  | GW 45 532 |
| Pair of supports for wiring trunkings |  | GW 45 521 |
| Pair of supports for horizontal terminal block |  | GW 45 526 |
| Pair of supports for vertical terminal block |  | GW 45 527 (internal cable compartment) |
| | | GW 45 528 (external cable compartment) |
| DIN profiles L = 2 meters |  | EN 50022 (DIN35) |
| | | EN 50035 (G32) |
| | | EN 50024 (C30) |
| Rotating handle with key |  | GW 47 494 |
| 2 fixing brackets (for floor-mounting boards) |  | GW 47 491 |

(*) For further accessories, refer to the COMPLEMENTARY ITEMS section.

47 CVX 630 M

Monobloc distribution boards up to 630 A - IP 55

The range of CVX 630 M monobloc boards up to 630 A, suitable for the protection and control of electrical systems where the occasional presence of dust, water and/or other hazardous substances requires a high degree of protection equal to IP55. Available in both the surface-mounting version up to 1200 mm and floor-mounting version up to 2000 mm, the CVX 630 M boards use the same installation kit and the same accessories as the CVX 630 K range for better management of the order codes.



Technical characteristics *page 896*

STRUCTURAL ELEMENTS

WALL-MOUNTING DISTRIBUTION BOARDS



GW 45 054

**MONOBLOC SIDE-BY-SIDE WALL-MOUNTING STRUCTURES IN PAINTED SHEET STEEL
COLOUR GREY RAL 7035 - COMPLETE WITH FUNCTIONAL FRAMES, CABLE GLAND PLATES**

| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------------------------|--------------------------|----------------|
| GW 45 054 | 600x1000x280 | 701x1040x276 | 1 |
| GW 45 055 | 600x1200x280 | 701x1240x276 | 1 |
| GW 45 064 | 850x1000x280 | 901x1040x276 | 1 |
| GW 45 065 | 850x1200x280 | 901x1240x276 | 1 |

ACCESSORIES SUPPLIED: 2 cable gland plates with fixing screws for distribution boards L=600 mm,
6 cable gland plates with fixing screws for distribution boards L=850 mm, 4 brackets for wall-mounting.

SIDE PANELS FOR WALL-MOUNTING DISTRIBUTION BOARDS



GW 45 074

PAIR OF SIDE PANELS FOR WALL-MOUNTING DISTRIBUTION BOARDS IN PAINTED SHEET STEEL

| Code | For structures HxD (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 074 | 1000x280 | 1 |
| GW 45 075 | 1200x280 | 1 |

ACCESSORIES SUPPLIED: screws for fixing to the structure.



GW 45 394

PAIR OF AERATED SIDE PANELS FOR WALL-MOUNTING DISTRIBUTION BOARDS IN PAINTED SHEET STEEL

| Code | For structures HxD (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 394 | 1000x280 | 1 |
| GW 45 395 | 1200x280 | 1 |

ACCESSORIES SUPPLIED: screws for fixing to the structure.

APPLICATIONS: louver for natural or forced aeration, with IP30 degree of protection.

FLOOR-MOUNTING DISTRIBUTION BOARDS



GW 45 059

MONOBLOC SIDE-BY-SIDE FLOOR-MOUNTING STRUCTURES IN PAINTED SHEET STEEL COLOUR GREY RAL 7035 - COMPLETE WITH FUNCTIONAL FRAMES, CABLE GLAND PLATES AND INSPECTABLE PLINTH H = 100 MM - COLOUR BLUE RAL 5003

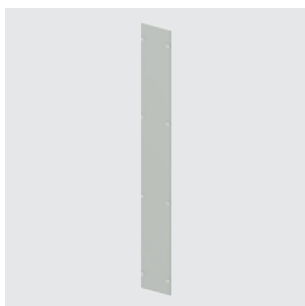
| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------------------------|--------------------------|----------------|
| GW 45 057 | 600x1600x280 | 701x1740x276 | 1 |
| GW 45 058 | 600x1800x280 | 701x1940x276 | 1 |
| GW 45 059 | 600x2000x280 | 701x2140x276 | 1 |
| GW 45 067 | 850x1600x280 | 901x1740x276 | 1 |
| GW 45 068 | 850x1800x280 | 901x1940x276 | 1 |
| GW 45 069 | 850x2000x280 | 901x2140x276 | 1 |

ACCESSORIES SUPPLIED: 1 cable gland plate complete with fixing screws for the distribution boards L=600 mm,

3 cable gland plates complete with fixing screws for the distribution boards L=850 mm.

NOTE: the external dimensions of the board also include the dimensions of the plinth (H=100 mm).

SIDE PANELS FOR FLOOR-MOUNTING DISTRIBUTION BOARDS



GW 45 079

PAIR OF SIDE PANELS FOR FLOOR-MOUNTING DISTRIBUTION BOARDS IN PAINTED SHEET STEEL

| Code | For structures HxD (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 077 | 1600x280 | 1 |
| GW 45 078 | 1800x280 | 1 |
| GW 45 079 | 2000x280 | 1 |

ACCESSORIES SUPPLIED: screws for fixing to the structure.



GW 45 399

PAIR OF AERATED SIDE PANELS FOR FLOOR-MOUNTING DISTRIBUTION BOARDS IN PAINTED SHEET STEEL

| Code | For structures HxD (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 397 | 1600x280 | 1 |
| GW 45 398 | 1800x280 | 1 |
| GW 45 399 | 2000x280 | 1 |

ACCESSORIES SUPPLIED: screws for fixing to the structure.

APPLICATIONS: louver for natural or forced aeration, with IP30 degree of protection.

DOORS



GW 45 159

TRANSPARENT DOORS IN CURVED, SMOKED GLASS, TEMPERED FOR SAFETY AND FITTED WITH HANDLE AND ROD-MECHANISM LOCK

| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 154 | 600x1000 | 1 |
| GW 45 155 | 600x1200 | 1 |
| GW 45 157 | 600x1600 | 1 |
| GW 45 158 | 600x1800 | 1 |
| GW 45 159 | 600x2000 | 1 |
| GW 45 164 | 850x1000 | 1 |
| GW 45 165 | 850x1200 | 1 |
| GW 45 167 | 850x1600 | 1 |
| GW 45 168 | 850x1800 | 1 |
| GW 45 169 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: 4 mounting pins; key in zama.
CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); painted sheet metal, Grey RAL 7035.



GW 45 179

BLANK DOORS IN PAINTED SHEET METAL, FITTED WITH HANDLE AND ROD-MECHANISM LOCK

| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 174 | 600x1000 | 1 |
| GW 45 175 | 600x1200 | 1 |
| GW 45 177 | 600x1600 | 1 |
| GW 45 178 | 600x1800 | 1 |
| GW 45 179 | 600x2000 | 1 |
| GW 45 184 | 850x1000 | 1 |
| GW 45 185 | 850x1200 | 1 |
| GW 45 187 | 850x1600 | 1 |
| GW 45 188 | 850x1800 | 1 |
| GW 45 189 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: 4 mounting pins; key in zama.
CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); painted sheet metal, Grey RAL 7035.

INTERNAL CABLE COMPARTMENT



GW 45 089

KIT FOR INTERNAL CABLE COMPARTMENT, COMPLETE WITH HINGED COVER

| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 45 084 | 850x1000 | 1 |
| GW 45 085 | 850x1200 | 1 |
| GW 45 087 | 850x1600 | 1 |
| GW 45 088 | 850x1800 | 1 |
| GW 45 089 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: panel in painted sheet metal colour Grey RAL 7035.

CHARACTERISTICS: possibility to assemble the internal cable compartment at the right or at the left side for board L=850 mm.

EXTERNAL CABLE COMPARTMENT



GW 45 099

EXTERNAL CABLE COMPARTMENT KIT FOR MONOBLOC DISTRIBUTION BOARDS AND INSPECTABLE PLINTH H=100 MM - COLOUR BLUE RAL 5003

| Code | Functional dim. LxHxD (mm) | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------------------------|--------------------------|----------------|
| GW 45 097 | 400x1600x280 | 451x1740x276 | 1 |
| GW 45 098 | 400x1800x280 | 451x1940x276 | 1 |
| GW 45 099 | 400x2000x280 | 451x2140x276 | 1 |

ACCESSORIES SUPPLIED: 1 cable gland plate complete with fixing screws.

NOTES: the external compartment can be put together with the structure by using the special side by side kit.

The external dimensions of the external cable compartment also include the dimensions of the plinth (H=100 mm).



GW 45 354

INTERNAL/EXTERNAL BLANK DOORS IN PAINTED SHEET METAL

| Code | For structures LxH (mm) | Pack Carton |
|-----------------------------------|----------------------------|----------------|
| Description: External door | | |
| GW 45 197 | 400x1600 | 1 |
| GW 45 198 | 400x1800 | 1 |
| GW 45 199 | 400x2000 | 1 |
| Description: Internal door | | |
| GW 45 352 | 400x1600 | 1 |
| GW 45 353 | 400x1800 | 1 |
| GW 45 354 | 400x2000 | 1 |

ACCESSORIES SUPPLIED: external door equipped with handle with rod-mechanism lock and key in zama.

NOTES: the internal doors are used on an external cable compartment put together with an IP30 structure without door.

The internal doors can be used also as inner door in the external door version.

CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); sheet metal painted with epoxy-polyester powders, Grey RAL 7035; for the external door possibility of replacing the rotary handle closure with a security lock.

47 CVX 630 M

FRONT CONFIGURATION

INSTALLATION KIT FOR DEVICES ON DIN RAIL



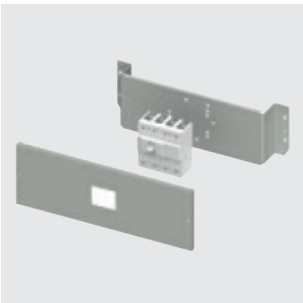
GW 45 202

**INSTALLATION KIT FOR MODULAR DEVICES (90 RANGE)
AND MCCB'S UP TO 250 A (MTX/M 160C, MTX/E 160, MTX/M 250 RANGE)
COMPLETE WITH PANELS WITH WINDOWS AND DOUBLE DIN RAIL EN 50022 (DIN 35) IN ALUMINIUM**

| Code | Dimensions LxH (mm) | Section dim. HxD (mm) | Pack Carton |
|------------------------|------------------------|--------------------------|----------------|
| No. modules: 10 | | | |
| GW 45 291 | 400x150 | 2x(35x7.5) | 1 |
| GW 45 292 | 400x200 | 2x(35x7.5) | 1 |
| GW 45 293 | 400x300 | 2x(35x7.5) | 1 |
| No. modules: 24 | | | |
| GW 45 201 | 600x150 | 2x(35x7.5) | 1 |
| GW 45 202 | 600x200 | 2x(35x7.5) | 1 |
| GW 45 203 | 600x300 | 2x(35x7.5) | 1 |
| GW 45 204 | 600x300 | 2x(35x7.5) | 1 |
| No. modules: 36 | | | |
| GW 45 206 | 850x150 | 2x(35x7.5) | 1 |
| GW 45 207 | 850x200 | 2x(35x7.5) | 1 |
| GW 45 208 | 850x300 | 2x(35x7.5) | 1 |
| GW 45 209 | 850x300 | 2x(35x7.5) | 1 |

ACCESSORIES SUPPLIED: double EN 50022 (DIN 35) rail in aluminium; 2 screws for mounting the DIN rail; 2 support brackets in galvanised sheet metal; fixing accessories.
CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; panel earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.
NOTES: for the assembly of the MTX MCCB's with or without add-on RCD, order the special kit for fixing to the DIN rail.
The coupling of modular and MCCB's requires the GW49209 depth adapter.
GW45291 - GW45201/6 for modular devices of the 90 range only.
GW45292/3 - GW45202/3/7/8 suitable for modular devices of the 90 and MTX/M 160c, MTX/M 160c ranges with lowered "L" add-on residual current device, MTX/E 160, MTX/M 250.
GW45204/9 specific version for MTX/M 160c, MTX/E 160, MTX/M 250 with "L" add-on residual current device.

INSTALLATION KIT FOR MTX MCCB'S FIXED ON PLATE

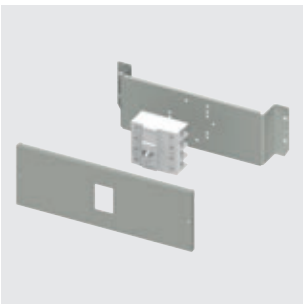


GW 45 236

**INSTALLATION KIT FOR MCCB'S UP TO 630 A, IN FIXED ASSEMBLY
COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE**

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Pack Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| No. modules: 10 | | | | | |
| GW 45 243 | 400x200 | MTX/M 160c | 3P - 4P | Vertical | 1 |
| GW 45 244 | 400x200 | MTX/E 160 | 3P - 4P | Vertical | 1 |
| GW 45 245 | 400x300 | MTX/M 250 | 3P - 4P | Vertical | 1 |
| GW 45 246 | 400x400 | MTX/E/M 320 | 3P - 4P | Vertical | 1 |
| GW 45 247 | 400x400 | MTXM 400-MTX/E/M 630 | 3P - 4P | Vertical | 1 |
| No. modules: 24 | | | | | |
| GW 45 236 | 600x300 | MTX/M 250 | 3P - 4P | Vertical | 1 |
| GW 45 237 | 600x400 | MTX/E/M 320 | 3P - 4P | Vertical | 1 |
| GW 45 238 | 600x400 | MTXM 400-MTX/E/M 630 | 3P - 4P | Vertical | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.
CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.

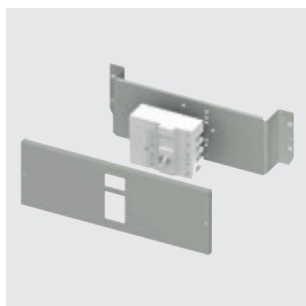


GW 45 273

**INSTALLATION KIT FOR MCCB'S UP TO 630 A, IN FIXED ASSEMBLY
COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE**

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Pack Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| No. modules: 24 | | | | | |
| GW 45 271 | 600x200 | MTX/M 160c | 3P - 4P | Horizontal | 1 |
| GW 45 272 | 600x200 | MTX/E 160 | 3P - 4P | Horizontal | 1 |
| GW 45 273 | 600x200 | MTX/M 250 | 3P - 4P | Horizontal | 1 |
| GW 45 274 | 600x200 | MTX/E/M 320 | 3P - 4P | Horizontal | 1 |
| GW 45 275 | 600x300 | MTXM 400-MTX/E/M 630 | 3P - 4P | Horizontal | 1 |
| No. modules: 36 | | | | | |
| GW 45 276 | 850x200 | MTX/M 250 | 3P - 4P | Horizontal | 1 |
| GW 45 277 | 850x200 | MTX/E/M 320 | 3P - 4P | Horizontal | 1 |
| GW 45 278 | 850x300 | MTXM 400-MTX/E/M 630 | 3P - 4P | Horizontal | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.
CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.



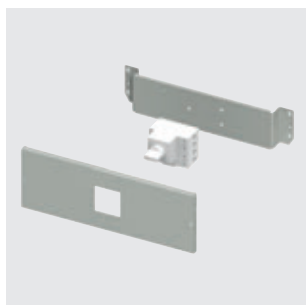
GW 45 283

INSTALLATION KIT FOR MCCB'S UP TO 500 A WITH ADD-ON RESIDUAL CURRENT DEVICE IN FIXED ASSEMBLY COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Pack Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| No. modules: 10 | | | | | |
| GW 45 248 | 400x300 | MTX/M 160c | 4P | Vertical | 1 |
| GW 45 249 | 400x400 | MTX/M 250 | 4P | Vertical | 1 |
| No. modules: 24 | | | | | |
| GW 45 281 | 600x200 | MTX/M 160c | 4P | Horizontal | 1 |
| GW 45 282 | 600x200 | MTX/E 160 | 4P | Horizontal | 1 |
| GW 45 283 | 600x200 | MTX/M 250 | 4P | Horizontal | 1 |
| GW 45 284 | 600x200 | MTX/E/M 320 | 4P | Horizontal | 1 |
| GW 45 285 | 600x300 | MTXM 400-MTX/E/M 630 | 4P | Horizontal | 1 |
| No. modules: 36 | | | | | |
| GW 45 286 | 850x200 | MTX/M 160c | 4P | Horizontal | 1 |
| GW 45 287 | 850x200 | MTX/E 160 | 4P | Horizontal | 1 |
| GW 45 288 | 850x200 | MTX/M 250 | 4P | Horizontal | 1 |
| GW 45 289 | 850x200 | MTX/E/M 320 | 4P | Horizontal | 1 |
| GW 45 290 | 850x300 | MTXM 400-MTX/E/M 630 | 4P | Horizontal | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges. GW45281/6 not suitable for lowered "L" add-on residual current device.



GW 45 262

INSTALLATION KIT FOR MCCB'S UP TO 630 A WITH DIRECT ROTARY HANDLE OR MOTOR OPERATING, COMPLETE WITH PERFORATED PANEL AND FIXING PLATE

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Complete with | Pack Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------------|----------------|
| No. modules: 24 | | | | | | |
| GW 45 261 | 600x200 | MTX/M 160c | 3P - 4P | Horizontal | Direct rotary handle | 1 |
| GW 45 262 | 600x200 | MTX/E160 | 3P - 4P | Horizontal | Direct rotary handle | 1 |
| GW 45 263 | 600x200 | MTX/M 250 | 3P - 4P | Horizontal | Direct rotary handle | 1 |
| GW 45 264 | 600x200 | MTX/E/ 320 | 3P - 4P | Horizontal | Direct rotary handle | 1 |
| GW 45 265 | 600x300 | MTXM 400-MTX/E/M 630 | 3P - 4P | Horizontal | Direct rotary handle | 1 |
| GW 45 266 | 600x200 | MTX/M 160c | 3P - 4P | Horizontal | Motor operating | 1 |
| GW 45 267 | 600x200 | MTX/E 160 | 3P - 4P | Horizontal | Motor operating | 1 |
| GW 45 268 | 600x200 | MTX/M 250 | 3P - 4P | Horizontal | Motor operating | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.

NOTES: with GW45264/5 it is not possible to assemble the bars on the base to pass behind the kit plate. The installation kits for MCCB's with a direct rotating handle are not compatible with the blank board door.



GW 45 604

INSTALLATION KIT FOR INTERLOCKED MCCB'S UP TO 630 A, COMPLETE WITH PERFORATED FRONT PANEL AND SUPPORT PLATE

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Control | Pack Carton |
|------------------------|------------------------|--------------------------------|-----------------|--------------|---------|----------------|
| No. modules: 24 | | | | | | |
| GW 45 601 | 600x300 | MTX/M 160c-MTX/E 160-MTX/M 250 | 3P - 4P | Vertical | Lever | 1 |
| GW 45 602 | 600x500 | MTX/M 250 | 3P - 4P | Horizontal | Lever | 1 |
| GW 45 603 | 600x600 | MTX/E/M 320 | 3P - 4P | Horizontal | Lever | 1 |
| GW 45 604 | 600x600 | MTXM 400-MTX/E/M 630 | 3P - 4P | Horizontal | Lever | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.

NOTES: with GW45602/3/4 it is not possible to assemble the bars on the base to pass behind the kit plate.

GW45601 - possibility of front interlock between any two circuit breakers of the following types: MTX/M 160c - MTX/E 160 - MTX/M 250.

Interlock system to be purchased separately.

INSTALLATION KIT FOR MSS SWITCH DISCONNECTORS FIXED ON PLATE



GW 45 252

INSTALLATION KIT FOR SWITCH-DISCONNECTORS IN FIXED ASSEMBLY COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Pack Carton |
|------------------------|------------------------|-----------------|-----------------|---------------------|----------------|
| No. modules: 10 | | | | | |
| GW 45 298 | 400x300 | MSS 250 | 3P - 4P | Vertical | 1 |
| GW 45 299 | 400x500 | MSS 630 | 3P - 4P | Vertical | 1 |
| No. modules: 24 | | | | | |
| GW 45 251 | 600x300 | MSS 250 | 3P - 4P | Horizontal/Vertical | 1 |
| GW 45 252 | 600x500 | MSS 630 | 3P - 4P | Vertical | 1 |
| GW 45 256 | 600x400 | MSS 630 | 3P - 4P | Horizontal | 1 |
| No. modules: 36 | | | | | |
| GW 45 253 | 850x300 | MSS 250 | 3P - 4P | Horizontal/Vertical | 1 |
| GW 45 254 | 850x500 | MSS 630 | 3P - 4P | Vertical | 1 |
| GW 45 257 | 850x400 | MSS 630 | 3P - 4P | Horizontal | 1 |

ACCESSORIES SUPPLIED: galvanised sheet metal support plate; fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.

NOTE: the installation kits for switch disconnectors are not compatible with the blank door of distribution board.

FRONT PANELS



GW 45 304

BLANK FRONT PANELS

| Code | Dimensions LxH (mm) | Pack Carton |
|------------------------|------------------------|----------------|
| No. modules: 10 | | |
| GW 45 341 | 400x50 | 1 |
| GW 45 342 | 400x100 | 1 |
| GW 45 343 | 400x150 | 1 |
| GW 45 344 | 400x200 | 1 |
| GW 45 345 | 400x300 | 1 |
| GW 45 346 | 400x400 | 1 |
| GW 45 347 | 400x600 | 1 |
| GW 45 348 | 400x800 | 1 |
| No. modules: 24 | | |
| GW 45 301 | 600x50 | 1 |
| GW 45 302 | 600x100 | 1 |
| GW 45 303 | 600x150 | 1 |
| GW 45 304 | 600x200 | 1 |
| GW 45 305 | 600x300 | 1 |
| GW 45 306 | 600x400 | 1 |
| GW 45 307 | 600x600 | 1 |
| No. modules: 36 | | |
| GW 45 321 | 850x50 | 1 |
| GW 45 322 | 850x100 | 1 |
| GW 45 323 | 850x150 | 1 |
| GW 45 324 | 850x200 | 1 |
| GW 45 325 | 850x300 | 1 |
| GW 45 326 | 850x400 | 1 |
| GW 45 327 | 850x600 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; pre-arrangement of panels for rotation hinges (except for GW45301/2 and GW45321/2).



GW 45 374

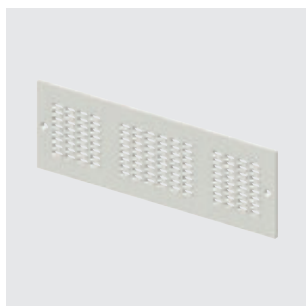
METAL FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

| Code | Dimensions LxH (mm) | 3-way switch no. x hole Ø | Instruments N. x dimensions | Pack Carton |
|------------------------|------------------------|------------------------------|--------------------------------|----------------|
| No. modules: 24 | | | | |
| GW 45 374 | 600x200 | 1 Ø 9.5 mm | 4 96x96 mm | 1 |
| No. modules: 36 | | | | |
| GW 45 379 | 850x200 | 1 Ø 9.5 mm | 4 96x96 mm | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.

APPLICATIONS: installation of ammeters, voltmeters, voltmeter/ammeter three-way switches.



GW 45 362

AERATION FRONT PANELS

| Code | Dimensions LxH (mm) | Pack Carton |
|------------------------|------------------------|----------------|
| No. modules: 24 | | |
| GW 45 362 | 600x200 | 1 |
| No. modules: 36 | | |
| GW 45 367 | 850x200 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; captive panel fixing screws; prearrangement of the panels for rotation hinges.

APPLICATIONS: natural ventilation in wall and floor-mounting distribution boards.

INTERNAL CONFIGURATION

DIN RAILS



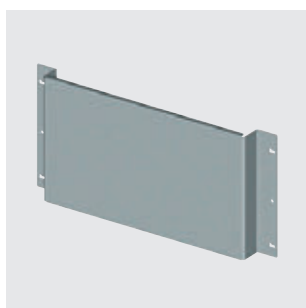
GW 45 401

DIN RAILS FOR MODULAR DEVICES (90 RANGE) AND MCCBS UP TO 250 A (MTX/M 160C, MTX/E 160, MTX/M 250 RANGE) COMPLETE WITH BRACKETS FOR ASSEMBLY

| Code | Section dim. HxD (mm) | Profile | Material | Pack Carton |
|------------------------|--------------------------|--------------------------|-----------|----------------|
| No. modules: 24 | | | | |
| GW 45 401 | 2x(35x7.5) | Double EN 50022 (DIN 35) | Aluminium | 1 |
| No. modules: 36 | | | | |
| GW 45 402 | 2x(35x7.5) | Double EN 50022 (DIN 35) | Aluminium | 1 |

ACCESSORIES SUPPLIED: double EN 50022 (DIN 35) rail in aluminium; 2 screws for mounting the DIN rail; 2 support brackets in galvanised sheet metal; fixing accessories.

BACK-MOUNTING PLATES



GW 45 422

BACK-MOUNTING PLATES FOR NON-MODULAR DEVICES, COMPLETE WITH FIXING SUPPORTS

| Code | Dimensions LxH (mm) | Pack Carton |
|------------------------|------------------------|----------------|
| No. modules: 10 | | |
| GW 45 406 | 400x300 | 1 |
| No. modules: 24 | | |
| GW 45 421 | 600x200 | 1 |
| GW 45 422 | 600x400 | 1 |
| GW 45 423 | 600x600 | 1 |
| No. modules: 36 | | |
| GW 45 431 | 850x200 | 1 |
| GW 45 432 | 850x400 | 1 |
| GW 45 433 | 850x600 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: galvanised sheet metal plate (20/10 mm thick).

DIVIDERS



GW 45 453

HORIZONTAL DIVIDING RAILS IN THE STRUCTURE

| Code | Width (mm) | Pack Carton |
|------------------------|---------------|----------------|
| No. modules: 24 | | |
| GW 45 453 | 600 | 1 |
| No. modules: 36 | | |
| GW 45 454 | 850 | 1 |

CHARACTERISTICS: allow the internal separation of the distribution board.



GW 45 479

VERTICAL DIVIDING RAILS IN THE STRUCTURE AND IN THE CABLE COMPARTMENT

| Code | Height H (mm) | Pack Carton |
|---|------------------|----------------|
| Suitable for: internal cable compartment | | |
| GW 45 474 | 1000 | 1 |
| GW 45 475 | 1200 | 1 |
| GW 45 477 | 1600 | 1 |
| GW 45 478 | 1800 | 1 |
| GW 45 479 | 2000 | 1 |
| Suitable for: structures / ext. cable comp. | | |
| GW 45 457 | 1600 | 1 |
| GW 45 458 | 1800 | 1 |
| GW 45 459 | 2000 | 1 |

CHARACTERISTICS: allow the internal separation (form 2B) in the case of busbar in the cable compartment.

COMPLEMENTARY ITEMS

ACCESSORIES

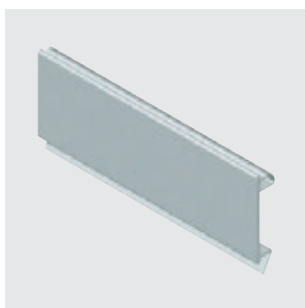


GW 49 209

DEPTH ADAPTER

| Code | Length (mm) | Pack Carton |
|-----------|-------------|-------------|
| GW 49 209 | 600 | 1 |

APPLICATIONS: compensation of the different installation depths on DIN rail EN 50022 of the modular devices (90 range) moulded case circuit breakers (MTX/M 160c - MTX/E 160 - MTX/M 250 range).

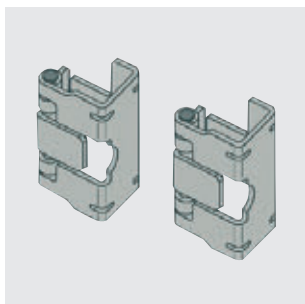


GW 47 291

BLANKING MODULE PROFILE IN PLASTIC MATERIAL - COLOUR GREY RAL 7035

| Code | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------|-------------|
| GW 47 291 | 24 | 10 |

CHARACTERISTICS: clip fixing on DIN perforated front panels.



GW 45 532

PAIR OF METAL HINGES FOR FRONT PANELS

| Code | Fixing type | Opening angle | Suitable for | Pack Carton |
|-----------|-------------|---------------|---------------------------------|-------------|
| GW 45 532 | With screw | 90° | For panels H higher than 100 mm | 1 |

ACCESSORIES SUPPLIED: panel closure cap.

CHARACTERISTICS: additional earthing of the panel by contact.

APPLICATIONS: option of hinging front panels.



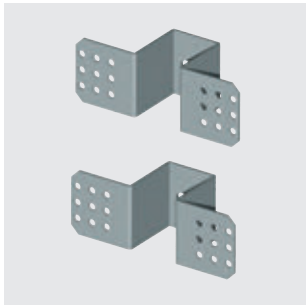
GW 47 691

DIN PROFILES

| Code | Section dim. HxD (mm) | Profile | Material | Pack Carton |
|---------------------------|-----------------------|-------------------|------------------|-------------|
| Length: 24 modules | | | | |
| GW 45 411 | 35x15 | EN 50022 (DIN 35) | Galvanized metal | 1 |
| GW 45 412 | 32x15 | EN 50035 (G 32) | Galvanized metal | 1 |
| Length: 36 modules | | | | |
| GW 45 416 | 35x15 | EN 50022 (DIN 35) | Galvanized metal | 1 |
| GW 45 417 | 32x15 | EN 50035 (G 32) | Galvanized metal | 1 |
| Length: 2000 mm | | | | |
| GW 47 691 | 35x15 | EN 50022 (DIN 35) | Galvanized metal | 1/5 |
| GW 47 692 | 32x15 | EN 50035 (G 32) | Galvanized metal | 1/5 |
| GW 47 693 | 30x15 | EN 50024 (C30) | Galvanized metal | 1/5 |

NOTE: the DIN profiles with 24 and 36 modules can be fixed directly on the frame.

47 CVX 630 M



GW 45 521

PAIR OF SUPPORTS FOR WIRING TRUNKING

| Code | Installation | Suitable for | Pack Carton |
|-----------|---------------------|----------------------------------|-------------|
| GW 45 521 | Horizontal/Vertical | Distribution boards L=600/850 mm | 1 |

APPLICATIONS: both horizontal and vertical assembly of wiring trunking up to 80x80 mm.



GW 45 526

PAIR OF SUPPORTS FOR HORIZONTAL TERMINAL BLOCK

| Code | Suitable for | Pack Carton |
|-----------|----------------------------------|-------------|
| GW 45 526 | Distribution boards L=600/850 mm | 1 |



GW 45 527

PAIR OF SUPPORTS FOR VERTICAL TERMINAL BLOCK

| Code | Suitable for | Pack Carton |
|-----------|----------------------------|-------------|
| GW 45 527 | Internal cable compartment | 1 |
| GW 45 528 | External cable compartment | 1 |



GW 46 448

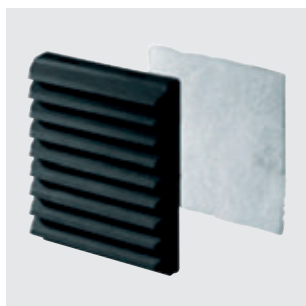
VENTILATION KIT

| Code | IP degree | Rated voltage | Fixing hole (mm) | Screws centre distance (mm) | Pack Carton |
|-----------|-----------|--------------------|------------------|-----------------------------|-------------|
| GW 46 448 | IP44 | 230 V - 50 / 60 Hz | 125x117 | 123x115 | 1/2 |

CHARACTERISTICS: the fan takes in air from the outside and introduces it into the distribution board, creating a slight overpressure that prevents foreign particles from entering. Max fan capacity 60 m³/h. Absorbed power equal to 20 W.

APPLICATIONS: forced ventilation in critical thermal conditions.

ACCESSORIES SUPPLIED: drilling template.



GW 46 471

VENTILATION KIT

| Code | IP degree | Fixing hole (mm) | Screws centre distance (mm) | Pack Carton |
|-----------|-----------|------------------|-----------------------------|-------------|
| GW 46 471 | IP44 | 125x117 | 123x115 | 1/10 |

ACCESSORIES SUPPLIED: drilling template.



GW 45 582

ADDITIONAL PLINTH H=100 COLOUR BLUE RAL 5003 PAINTED WITH REMOVABLE FRONT AND REAR PANELS

| Code | Dimensions LxD (mm) | Pack Carton |
|-----------|---------------------|-------------|
| GW 45 581 | 400x280 | 1 |
| GW 45 582 | 600x280 | 1 |
| GW 45 583 | 850x280 | 1 |

CHARACTERISTICS: additional plinth to facilitate cable entry and/or raise the distribution board. Lateral pre-breaking for the cable passages.



GW 45 533

KIT FOR SIDE-BY-SIDE USE OF STRUCTURES AND GASKET IP55

| Code | Description | For distribution boards | Quantity | Pack Carton |
|-----------|-------------------|-------------------------|----------|-------------|
| GW 45 533 | Plates and screws | Wall mounting | 4 pieces | 1/10 |
| GW 47 472 | Plates and screws | Floor-mounting | 8 pieces | 1/10 |
| GW 47 473 | Gasket roll | | 20 m | 1/10 |

NOTE: to create side by side installations for IP55 structures, gasket GW47473 must be added to the kit that includes the plates and screws.



GW 45 518

CROSSPIECES FOR CABLE FIXING

| Code | Suitable for | Pack Carton |
|-----------|------------------------------|-------------|
| GW 45 516 | Internal cable compartment | 1 |
| GW 45 517 | External cable compartment | 1 |
| GW 45 518 | Distribution boards L=600 mm | 1 |
| GW 45 519 | Distribution boards L=850 mm | 1 |

APPLICATION: permits the fixing of the input/output cables on the distribution board structure.

47 CVX 630 M



GW 45 534

PERFORATED AND THREADED EARTH BUSBAR

| Code | For distribution boards | Section (mm ²) | N./diam. of threaded holes | Step drilling (mm) | Pack Carton |
|-----------|-------------------------|----------------------------|----------------------------|--------------------|-------------|
| GW 45 534 | L=600 | 20x5 | 24xM6 | 18 mm | 1 |
| GW 45 535 | L=850 | 20x5 | 36xM6 | 18 mm | 1 |

NOTE: direct fixing on the functional frames.



GW 45 537

EARTH TERMINAL BLOCKS

| Code | For distribution boards | Section (mm ²) | N. terminal and section (mm ²) | Step drilling (mm) | Pack Carton |
|-----------|-------------------------|----------------------------|--|--------------------|-------------|
| GW 45 537 | L=400 | 10x7 | 1x35+11x16+13x10 | 6.5 mm | 1 |
| GW 45 538 | L=600 | 10x7 | 2x(1x35+11x16+13x10) | 6.5 mm | 1 |



GW 46 447

ADHESIVE DOCUMENT POCKET

| Code | Dimensions LxH (mm) | Pack Carton |
|-----------|---------------------|-------------|
| GW 46 447 | 230x310 | 1/10 |



GW 47 192

SECURITY LOCK FOR WALL-MOUNTING DISTRIBUTION BOARDS

| Code | Characteristics | Pack Carton |
|-----------|-----------------|-------------|
| GW 47 192 | Yale type | 1/10 |

NOTE: the lock is supplied with identical keys.



GW 47 494

ROTARY SAFETY HANDLE FOR FLOOR-MOUNTING DISTRIBUTION BOARDS

| Code | Characteristics | Pack Carton |
|------------------|-----------------|----------------|
| GW 47 494 | Yale type | 1 |

NOTE: the lock is supplied with identical keys. The rotary handle can also be used for the door of the external cable compartment.



GW 47 491

SET OF 2 METAL BRACKETS FOR WALL-MOUNTING FIXING

| Code | Suitable for | Pack Carton |
|------------------|------------------------------------|----------------|
| GW 47 491 | Floor-mounting distribution boards | 1/10 |



GW 38 561

PAIR OF LIFTING EYEBOLTS

| Code | Characteristics | Pack Carton |
|------------------|-----------------|----------------|
| GW 38 561 | M10 | 1 |

47 CVX 630 M



QUICK AND EASY MOUNTING



The bracket for the kit of installation of the modular devices is mounted on functional frame without the use of screws or tools and ensures high resistance and greater mechanical stability over the time.

SIMPLE INSTALLATION AND COMFORTABLE MAINTENANCE



All metal components of distribution board ensure the earthing by contact thus avoiding additional connections. All front panels are supplied with unlosable screws and can be fitted with hinges in order to facilitate the maintenance operations after the installation of distribution board.

STRENGTH AND DESIGN



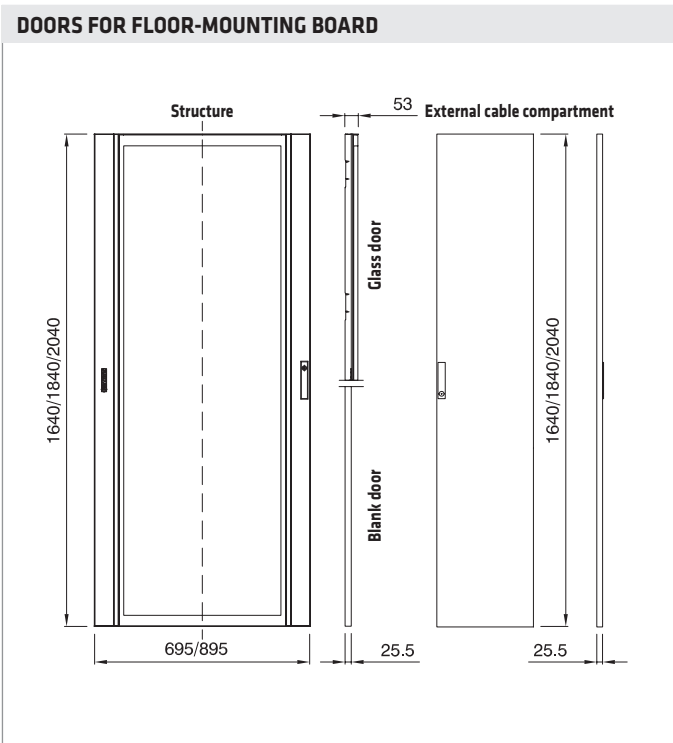
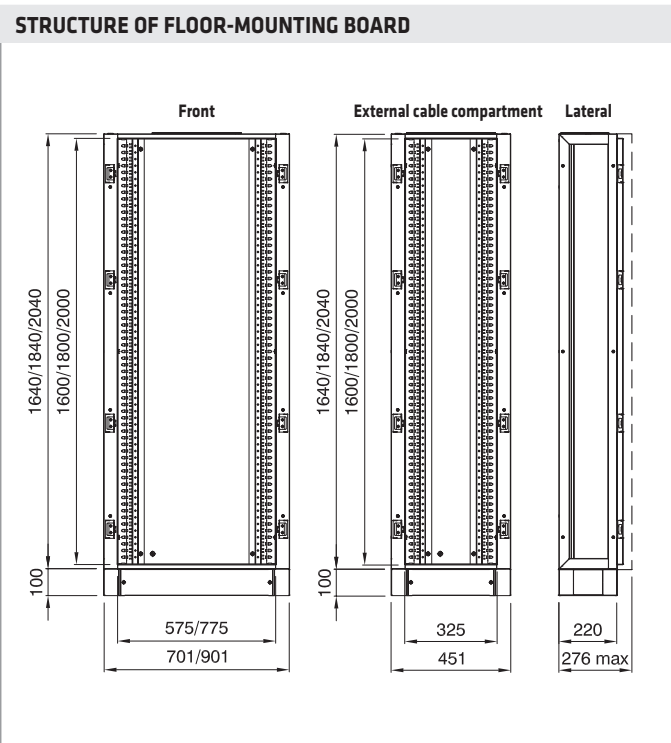
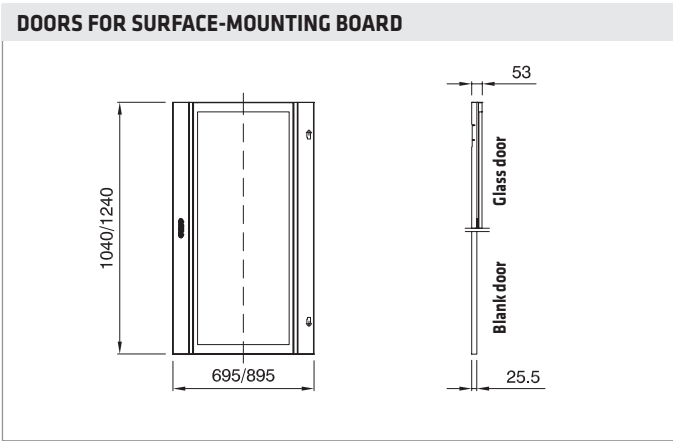
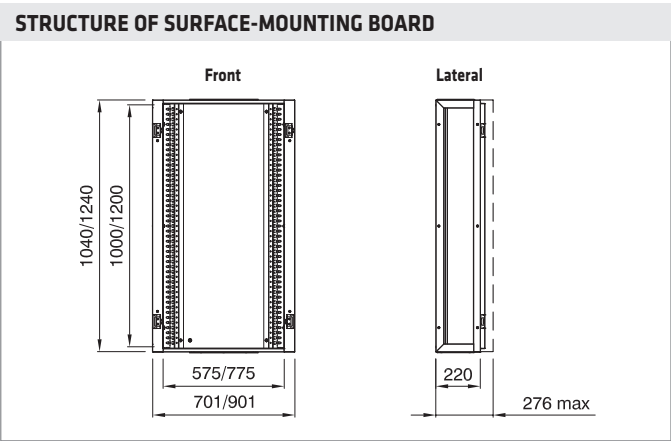
The fine design and the special curved glass of the door allow the installation of the distribution board also in elegant environments as well as in advanced tertiary sectors thanks to its sturdiness.

Technical data

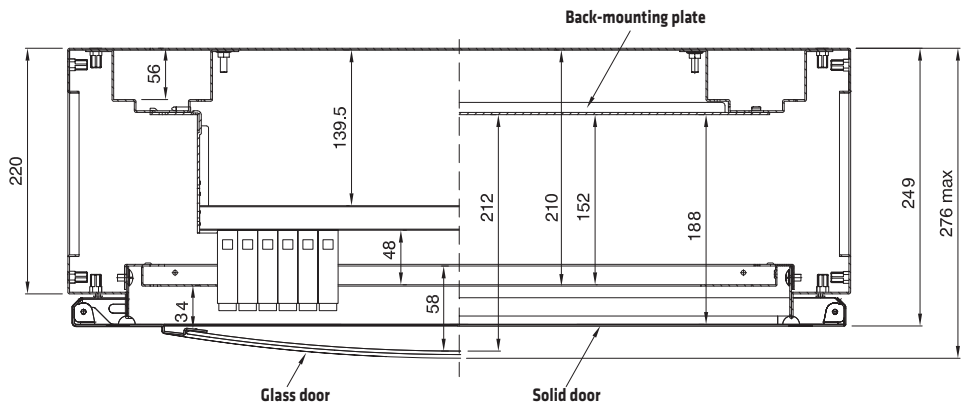
| CVX 630M | |
|--|---|
| Electrical characteristics | Mechanical characteristics |
| Standards: EN 61439-1 and EN 61439-2, EN 62208 | Degree of protection: IP 30 without door |
| Rated current (In): up to 630 A | IP55 with glass/blank door |
| Rated operational voltage (Ue): up to 690V AC | Impact resistance: IK 07 for glass door |
| Rated insulation voltage (Ui): up to 1000V AC | IK 10 for metal casing and front panels |
| Rated impulse withstand voltage (Uimp): 8 kV 1.2/50 µs | Operating temperature: -5°C - 40°C |
| Rated conditioned short-circuit current (Icc): 36 kA | Storage temperature: -25°C - 55°C |
| Rated peak withstand current (Ipk): 73 kA | Sheet steel casing and functional uprights: 15/10mm thick |
| Rated short-time withstand current (Icw): 35 kA (1s) | Sheet steel panels: 12/10mm thick |
| Protection against indirect contact: metal casing prearranged for earth connection | Sheet steel door: 15/10mm thick |
| | Back-mounting plates and kit for MCCB plates in hot galvanised sheet metal: 20/10mm thick |
| | Sheet metal painted with colour Grey RAL 7035 epoxy-polyester powder |

| FUNCTIONAL CHARACTERISTICS | |
|--|--|
| Type of installation: indoors | Base (height 100mm) palletizable by removing the front and rear panels |
| Capacity: 24/36 EN 50022 modules per row | Structures can be lined up using the provided kit |
| Top and bottom cable entry through metal cable gland plates with seal | Structure can be wall-mounted using brackets |
| Internal functional uprights with 25mm pitch drilled for the assembly of the equipment installation kits | Earthing by contact of metal parts |
| Pre-arrangement for assembly of internal compartment in board at width 850mm | Door assembly with reversible opening (right or left side) |

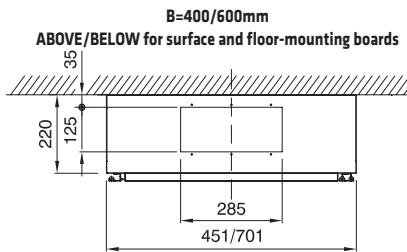
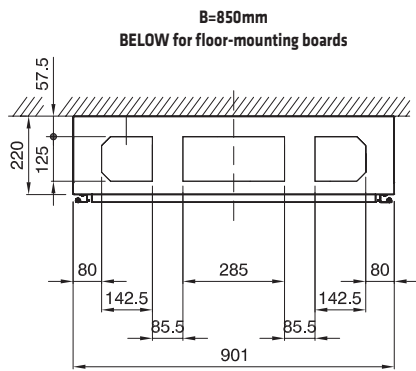
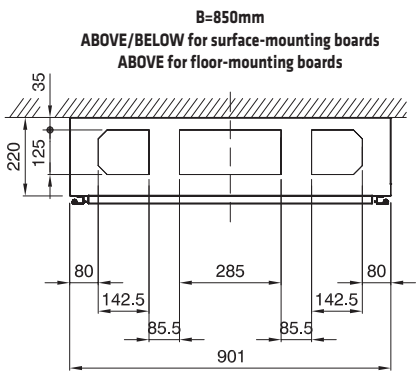
Dimension tables



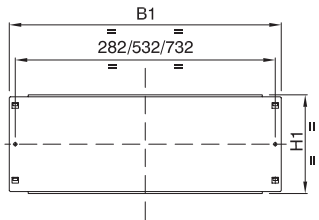
STRUCTURE SECTION



CABLE ENTRY

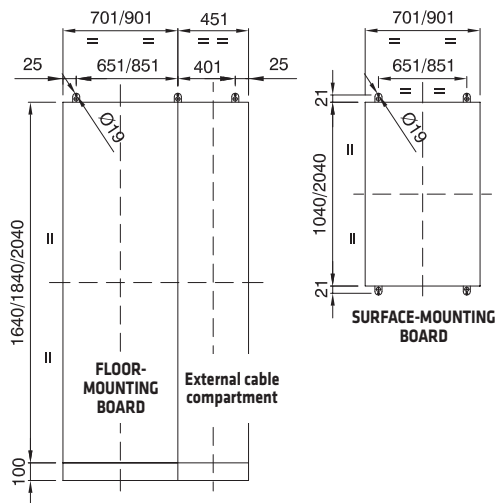


BACK-MOUNTING PLATES

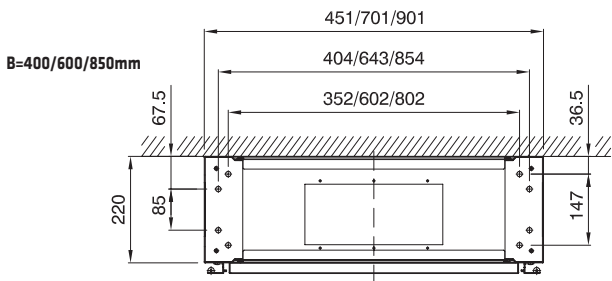


| Functional dimensions | | Real dimensions | |
|-----------------------|--------|-----------------|---------|
| B (mm) | H (mm) | B1 (mm) | H1 (mm) |
| 400 | 300 | 306 | 298 |
| 600 | 200 | 556 | 198 |
| 600 | 400 | 556 | 398 |
| 600 | 600 | 556 | 598 |
| 850 | 200 | 756 | 198 |
| 850 | 400 | 756 | 398 |
| 850 | 600 | 756 | 598 |

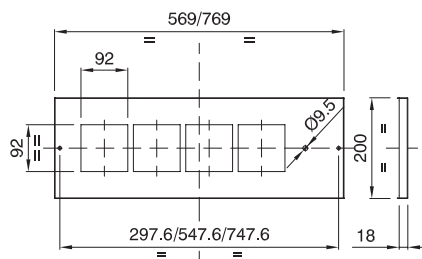
SURFACE FIXING WITH BRACKETS



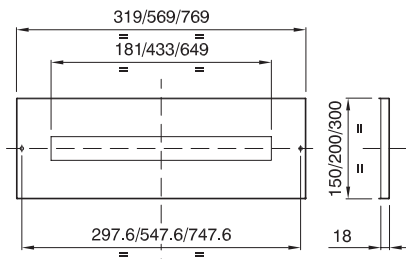
FLOOR FIXING



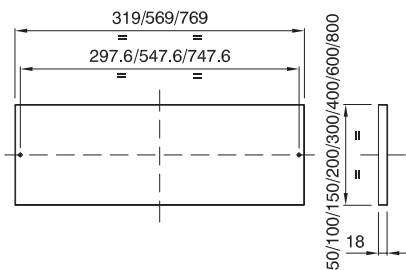
INSTRUMENT PANELS



PANELS WITH WINDOWS



SOLID PANELS



Distribution cabinets

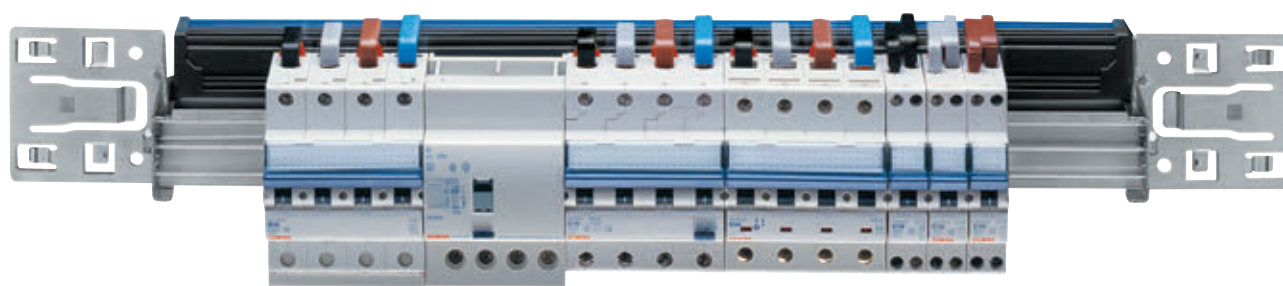
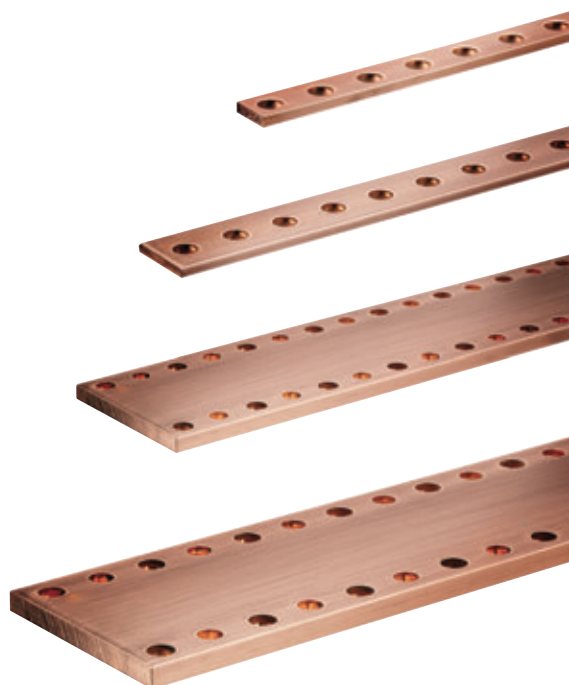
47 CVX 1600

FLOOR-MOUNTING CABINET UP TO 3200 A



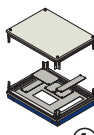


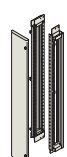


47 BUSBAR

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS



47 CVX 1600

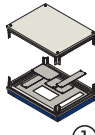



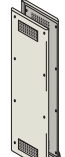
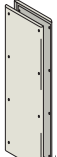
Selection tables

| CVX 1600 STRUCTURES | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|------|------------------------------|------|------|------------------------------------|------|-----------|--|--|--|---|--|---|-----|-----|-----|-----------|---|---|
| STRUCTURE | | | | | | | | | | | | | | | | | | | | |
| Functional dimensions | | | External overall dimensions* | | | Real internal maximum dimensions** | | | Base/Head/ Skirting | Uprights | Functional frames for non-separated enclosures | | Functional frames for separated enclosures | | | | | | | |
| | | | | | | | | |  ① |  ② |  ③ |  |  ③ |  | | | | | | |
| H | L | D | H | L | D | H | L | D | | | Open frame | Internal compartment | Closed frame | Internal compartment | | | | | | |
| (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | | | | | | | | | | | | |
| 1800 | 400 | 400 | 2031 | 538 | 389 | 1800 | 390 | 225 | GW 49 001 | GW 49 011 | GW 49 021 | - | GW 49 023 | - | | | | | | |
| | | 600 | | | 664 | | | 500 | GW 49 002 | | | - | | - | | | | | | |
| | | 800 | | | 864 | | | 700 | GW 49 003 | | | - | | - | | | | | | |
| | 600 | 748 | | 389 | 600 | | 225 | GW 49 004 | - | | | - | | - | | | | | | |
| | | | | | | | | | | | | | | | 600 | 664 | 500 | GW 49 005 | - | - |
| | | | | | | | | | | | | | | | 800 | 864 | 700 | GW 49 006 | - | - |
| | 850 | 948 | | 389 | 800 | | 225 | GW 49 007 | - | | | - | GW 49 112 | GW 49 111 | | | | | | |
| | | | | | | | | | | | | | | | 600 | 664 | 500 | GW 49 008 | | |
| | | | | | | | | | | | | | | | 800 | 864 | 700 | GW 49 009 | | |
| 2000 | 400 | 400 | 2231 | 538 | 389 | 2000 | 390 | 225 | GW 49 001 | GW 49 012 | GW 49 022 | - | GW 49 024 | - | | | | | | |
| | | 600 | | | 664 | | | 500 | GW 49 002 | | | - | | - | - | | | | | |
| | | 800 | | | 864 | | | 700 | GW 49 003 | | | - | | - | - | | | | | |
| | 600 | 748 | | 389 | 600 | | 225 | GW 49 004 | - | | | - | | - | | | | | | |
| | | | | | | | | | | | | | | | 600 | 664 | 500 | GW 49 005 | - | - |
| | | | | | | | | | | | | | | | 800 | 864 | 700 | GW 49 006 | - | - |
| | 850 | 948 | | 389 | 800 | | 225 | GW 49 007 | - | | | - | GW 49 114 | GW 49 113 | | | | | | |
| | | | | | | | | | | | | | | | 600 | 664 | 500 | GW 49 008 | | |
| | | | | | | | | | | | | | | | 800 | 864 | 700 | GW 49 009 | | |

NB: for more details about the real overall dimensions, refer to the dimension tables on the technical pages.

*Dimensions including plinth, 2 lateral panels, rear panel and curved glass door.




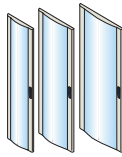




**Devices installation available space, it could change according to the internal configuration.




| EXTERNAL CABLE COMPARTMENT | | | | | | | | | | | | | | | |
|----------------------------|------|------|------------------------------|------|------|------------------------------------|------|------|---|---|---|---|---|---|--|
| Functional dimensions | | | External overall dimensions* | | | Real internal maximum dimensions** | | | Base/Head/Skirting | Uprights | Internal door IP 31/41 | External front door IP 65 | Aerated side panel IP 41 | Solid side panel IP 65 | |
| H | L | D | H | L | D | H | L | D |  |  |  |  |  |  | |
| (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | | | | | | | |
| 1800 | 300 | 400 | 2031 | 420 | 362 | 1800 | 300 | 225 | GW 49 115 | GW 49 011 | GW 49 121 | GW 49 123 | - | GW 49 041 | |
| | | 600 | | | 637 | | | 500 | GW 49 116 | | | | GW 49 031 | GW 49 042 | |
| | | 800 | | | 837 | | | 700 | GW 49 117 | | | | GW 49 032 | GW 49 043 | |
| 2000 | 300 | 400 | 2231 | 420 | 362 | 2000 | 300 | 225 | GW 49 115 | GW 49 012 | GW 49 122 | GW 49 124 | - | GW 49 044 | |
| | | 600 | | | 637 | | | 500 | GW 49 116 | | | | GW 49 033 | GW 49 045 | |
| | | 800 | | | 837 | | | 700 | GW 49 117 | | | | GW 49 034 | GW 49 046 | |

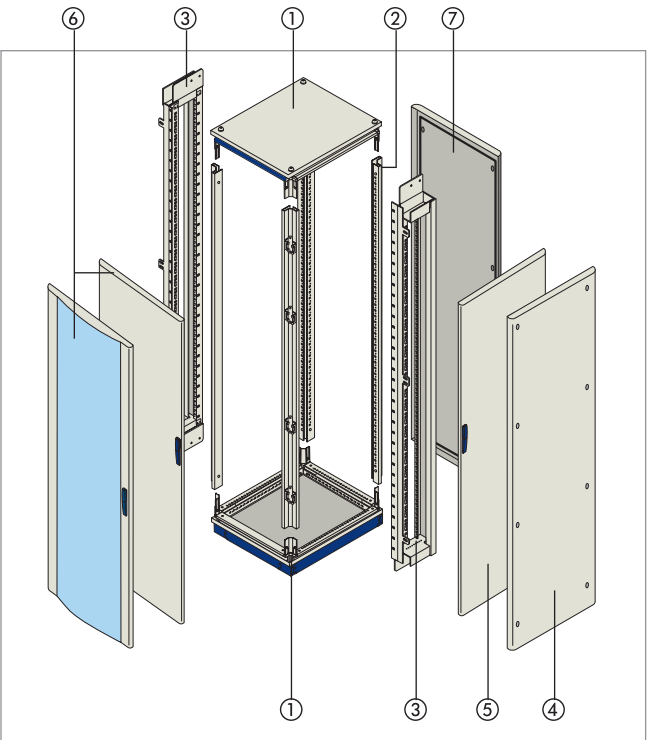
NB: for more details about the real overall dimensions, refer to the dimension tables on the technical pages.

*Dimensions including a plinth, rear panel and external front door.

**Devices installation available space, it could change according to the internal configuration.

| CVX 1600 STRUCTURES | | | | | | | |
|---|---|---|---|---|---|---|---|
| STRUCTURE | | | | | | | |
| Side covers | | | Front and rear covers IP 65 | | | | Finish profile IP 31 |
|  |  |  |  |  |  |  |  |
| Aerated side panel IP 41 | Side panel IP 65 | Side door IP 65 | Glass door 12/24/36 mod. | Protruding glass door 24/36 mod. | Solid door 12/24/36 mod. | Rear panel | |
| - | GW 49 041 | GW 49 051 | GW 49 061 | - | GW 49 081 | GW 49 091 | See the technical commercial tables for the choice available |
| GW 49 031 | GW 49 042 | GW 49 053 | | - | | | |
| GW 49 032 | GW 49 043 | GW 49 055 | | - | | | |
| - | GW 49 041 | GW 49 051 | GW 49 063 | GW 49 071 | GW 49 083 | GW 49 092 | |
| GW 49 031 | GW 49 042 | GW 49 053 | | | | | |
| GW 49 032 | GW 49 043 | GW 49 055 | | | | | |
| - | GW 49 041 | GW 49 051 | GW 49 065 | GW 49 073 | GW 49 085 | GW 49 093 | |
| GW 49 031 | GW 49 042 | GW 49 053 | | | | | |
| GW 49 032 | GW 49 043 | GW 49 055 | | | | | |
| - | GW 49 044 | GW 49 052 | GW 49 062 | - | GW 49 082 | GW 49 094 | |
| GW 49 033 | GW 49 045 | GW 49 054 | | - | | | |
| GW 49 034 | GW 49 046 | GW 49 056 | | - | | | |
| - | GW 49 044 | GW 49 052 | GW 49 064 | GW 49 072 | GW 49 084 | GW 49 095 | |
| GW 49 033 | GW 49 045 | GW 49 054 | | | | | |
| GW 49 034 | GW 49 046 | GW 49 056 | | | | | |
| - | GW 49 044 | GW 49 052 | GW 49 066 | GW 49 074 | GW 49 086 | GW 49 096 | |
| GW 49 033 | GW 49 045 | GW 49 054 | | | | | |
| GW 49 034 | GW 49 046 | GW 49 056 | | | | | |

| EXTERNAL CABLE COMPARTMENT | | |
|--|--|---|
| Side door IP 65 | Rear panel IP65 | Finish profile IP 31 |
|  ⑤ |  ⑦ |  |
| | | |
| GW 49 051 | GW 49 097 | See the technical commercial tables for the choice available |
| GW 49 053 | | |
| GW 49 055 | | |
| GW 49 052 | GW 49 098 | |
| GW 49 054 | | |
| GW 49 056 | | |



47 CVX 1600

KIT OF MTX, MTS MOULDED-CASE CIRCUIT BREAKERS AND MSS SWITCH DISCONNECTORS FOR NON-SEPARATED CVX 1600 DISTRIBUTION CABINETS

| | | | NON-SEPARATED DISTRIBUTION CABINETS | | | | | | | |
|----------------------------------|-------------------|----------|-------------------------------------|-------------------|-------------------|------------------------|-------------------|-------------------|-------------------|-----------------------|
| | | | FIXED VERSION | | | | | | | |
| | | | | | | | | | | |
| | | | LEVER CONTROL | | | DIRECT ROTATING HANDLE | | MOTOR CONTROL | INTERLOCKED | MOTORISED INTERLOCKED |
| MTX rear and front couplings | Panel height (mm) | N. poles | L=400mm (12 mod.) | L=600mm (24 mod.) | L=850mm (36 mod.) | L=600mm (24 mod.) | L=850mm (36 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) |
| HORIZONTAL INSTALLATION | | | | | | | | | | |
| MTX/M 160c | 200 | 3-4P | GW 49 183 | GW 49 861 | - | GW 49 866 | - | GW 49 861 | - | - |
| MTX/M 160c with "L" RCD | 200 | 4P | GW 49 186 | GW 49 863 | GW 49 926 | - | - | - | - | - |
| MTX/E 160 | 200 | 3-4P | GW 49 184 | GW 49 862 | - | GW 49 867 | - | GW 49 862 | - | - |
| MTX/E 160 with "L" RCD | 200 | 4P | GW 49 187 (1) | GW 49 864 (1) | GW 49 927 (1) | - | - | - | - | - |
| MTX/M 250 | 200 | 3-4P | GW 49 188 | GW 49 868 | GW 49 928 | GW 49 869 | - | GW 49 868 | - | - |
| MTX/M 250 with "L" RCD | 500 | 3-4P | - | - | - | - | - | - | GW 49 875 | GW 49 875 |
| MTX/M 250 | 300 | 4P | GW 49 192 (1) | GW 49 870 (1) | GW 49 929 (1) | - | - | - | - | - |
| MTX/E/M 320 | 200 | 3-4P | GW 49 193 | GW 49 876 | - | GW 49 876 | - | GW 49 876 | - | - |
| MTX/E/M 320 with RCD | 300 | 3-4P | - | - | - | - | - | - | - | - |
| MTX/E/M 320 with RCD | 600 | 3-4P | - | - | - | - | - | - | GW 49 884 | GW 49 884 |
| MTX/M 400 | 200 | 4P | - | GW 49 880 | - | - | - | - | - | - |
| MTX/E/M 630 (400A) | 300 | 3-4P | GW 49 195 | GW 49 888 | GW 49 931 | GW 49 888 | - | GW 49 888 | - | - |
| MTX/M 400 | 300 | 3-4P | GW 49 195 | GW 49 888 | GW 49 931 | GW 49 888 | - | GW 49 888 | - | - |
| MTX/E/M 630 | 600 | 3-4P | - | - | - | - | - | - | GW 49 904 | GW 49 904 |
| MTX/M 400 - MTX/E/M 630 with RCD | 300 | 4P | - | GW 49 902 | GW 49 933 | - | - | - | - | - |
| MTX/M 800 | 500 | 3-4P | - | GW 49 906 | - | GW 49 908 | - | GW 49 909 | - | - |
| MTX/E/M 1000 | 800 | 3-4P | - | - | - | - | - | - | GW 49 911 (2) | GW 49 912 (2) |
| MTSE/M 1600 | 600 | 3-4P | - | GW 49 311 (2) | - | GW 49 312 (2) | - | GW 49 313 (2) | - | - |
| MTSE/M 1600 | 800 | 4P | - | - | - | - | - | - | GW 49 314 | GW 49 315 |
| MSS 250 | 300 | 3-4P | - | - | - | GW 49 491 | GW 49 494 | - | - | - |
| MSS 630 | 400 | 3-4P | - | - | - | GW 49 492 | GW 49 495 | - | - | - |
| VERTICAL INSTALLATION | | | | | | | | | | |
| MTX/M 250 | 300 | 3-4P | GW 49 189 | GW 49 873 | GW 49 930 | - | - | - | - | - |
| MTX/M 250 | 400 | 3-4P | - | - | - | - | - | - | - | - |
| MTX/E/M 320 | 400 | 3-4P | GW 49 194 | GW 49 877 | - | GW 49 877 | - | GW 49 877 | - | - |
| MTX/E/M 320 with RCD | 500 | 3-4P | - | - | - | - | - | - | - | - |
| MTX/E/M 320 with RCD | 500 | 4P | - | GW 49 881 | - | - | - | - | - | - |
| MTX/M 400 | 400 | 3-4P | GW 49 196 | GW 49 895 | GW 49 932 | GW 49 895 | - | GW 49 895 | - | - |
| MTX/E/M 630 (400A) | 400 | 3-4P | GW 49 196 | GW 49 895 | GW 49 932 | GW 49 895 | - | GW 49 895 | - | - |
| MTX/M 400 | 500 | 3-4P | - | - | - | - | - | - | - | - |
| MTX/E/M 630 | 500 | 3-4P | - | - | - | - | - | - | - | - |
| MTX/M 400 - MTX/E/M 630 with RCD | 500 | 4P | GW 49 197 | GW 49 903 | GW 49 934 | - | - | - | - | - |
| MTX/M 800 | 500 | 3-4P | - | GW 49 915 | GW 49 935 | GW 49 917 | - | GW 49 918 | - | - |
| MTX/E/M 1000 | 700 | 3-4P | - | GW 49 317 | GW 49 340 | GW 49 319 | - | GW 49 320 | - | - |
| MTSE/M 1600 | 700 | 3-4P | - | GW 49 317 | GW 49 340 | GW 49 319 | - | GW 49 320 | - | - |
| MSS 250 | 300 | 3-4P | - | - | - | GW 49 491 | GW 49 494 | - | - | - |
| MSS 630 | 500 | 3-4P | - | - | - | GW 49 493 | GW 49 496 | - | - | - |

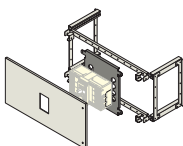
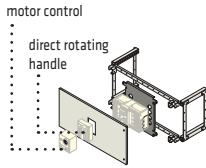
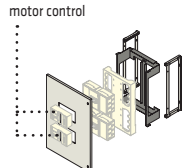
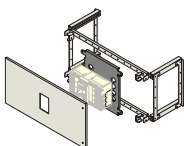
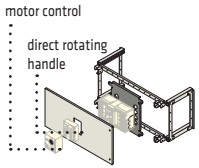
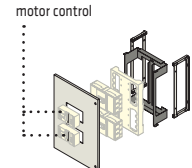
(1) front coupling only

(2) rear coupling only

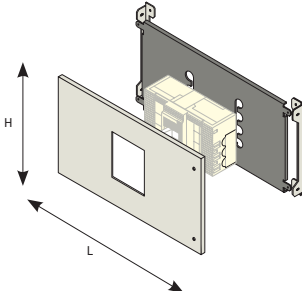
Notes: the MSS 125 and MSS 160 switch disconnectors can be installed on the DIN rail kits

NON-SEPARATED DISTRIBUTION CABINETS

NON-SEPARATED DISTRIBUTION CABINETS

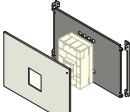
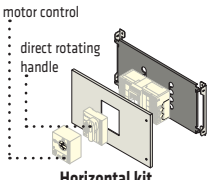
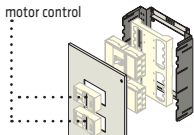
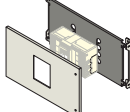
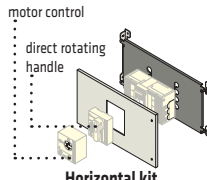
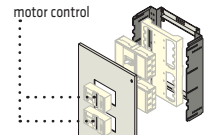
| PLUG-IN VERSION | | | | | | WITHDRAWABLE VERSION | | | | | |
|---|----------------------|---|----------------------|---|-----------------------|---|----------------------|---|----------------------|---|-----------------------|
|  | |  | |  | |  | |  | |  | |
| Horizontal kit | | Horizontal kit | | Horizontal kit | | Horizontal kit | | Horizontal kit | | Horizontal kit | |
| LEVER CONTROL | | DIRECT ROTATING HANDLE | MOTOR CONTROL | INTERLOCKED | MOTORISED INTERLOCKED | LEVER CONTROL | | DIRECT ROTATING HANDLE | MOTOR CONTROL | INTERLOCKED | MOTORISED INTERLOCKED |
| L=400mm (12 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=400mm (12 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) |
| HORIZONTAL INSTALLATION | | | | | | | | | | | |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| GW 49 185 | GW 49 865 | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| GW 49 190 | GW 49 872 | GW 49 871 | GW 49 872 | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | GW 49 878 | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | GW 49 882 | GW 49 882 | GW 49 886 | - | - |
| - | - | - | - | GW 49 884 | GW 49 884 | - | - | - | - | GW 49 885 | GW 49 885 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | GW 49 889 | - | - | - | - | - | GW 49 891 | GW 49 891 | GW 49 893 | - | - |
| - | GW 49 890 | - | - | - | - | - | GW 49 892 | GW 49 892 | GW 49 894 | - | - |
| - | - | - | - | GW 49 904 | GW 49 904 | - | - | - | - | GW 49 905 | GW 49 905 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | GW 49 907 | GW 49 907 | GW 49 910 | - | - |
| - | - | - | - | - | - | - | - | - | - | GW 49 913 | GW 49 914 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | GW 49 316 | GW 49 315 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| VERTICAL INSTALLATION | | | | | | | | | | | |
| - | - | - | - | - | - | - | - | - | - | - | - |
| GW 49 191 | GW 49 874 | - | - | - | - | - | - | - | - | - | - |
| - | GW 49 879 | - | - | - | - | - | GW 49 883 | GW 49 883 | GW 49 887 | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | GW 49 896 | - | - | - | - | - | GW 49 898 | GW 49 898 | GW 49 900 | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | GW 49 897 | - | - | - | - | - | GW 49 899 | GW 49 899 | GW 49 901 | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | GW 49 916 | GW 49 916 | GW 49 919 | - | - |
| - | - | - | - | - | - | - | GW 49 318 | GW 49 318 | GW 49 322 | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |

47 CVX 1600

| KIT OF MTX AND MTS MOULDED-CASE CIRCUIT BREAKERS FOR SEPARATED CVX 1600 DISTRIBUTION CABINETS | | | | | | | | | |
|---|-------------------|----------|-------------------------------|-------------------|------------------------|-------------------|-------------------|-----------------------|-------------------|
|  | | | SEPARATED DISTRIBUTION BOARDS | | | | | | |
| | | | FIXED VERSION | | | | | | |
| | | | Horizontal kit | | Horizontal kit | | Horizontal kit | | |
| | | | LEVER CONTROL | | DIRECT ROTATING HANDLE | MOTOR CONTROL | INTERLOCKED | MOTORISED INTERLOCKED | |
| MTX rear coupling kit | Panel height (mm) | N. poles | L=400mm (12 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) |
| HORIZONTAL INSTALLATION | | | | | | | | | |
| MTX/M 160c | 200 | 3-4P | GW 49 584 | GW 49 941 | - | GW 49 941 | - | - | - |
| MTX/M 160c with "L" RCD | 200 | 4P | - | GW 49 943 | - | - | - | - | - |
| MTX/E 160 | 200 | 3-4P | GW 49 585 | GW 49 942 | GW 49 945 | GW 49 942 | - | - | - |
| MTX/M 250 | 200 | 3-4P | GW 49 587 | GW 49 946 | GW 49 947 | GW 49 946 | - | - | - |
| | 600 | 3-4P | - | - | - | - | GW 49 950 | GW 49 950 | - |
| MTX/E/M 320 | 200 | 3-4P | GW 49 589 | GW 49 951 | GW 49 951 | GW 49 954 | - | - | - |
| | 300 | 3-4P | - | - | - | - | - | - | - |
| | 600 | 3-4P | - | - | - | - | GW 49 958 | GW 49 958 | - |
| MTXM 400 MTX/E/M 630 (400A) | 300 | 3-4P | GW 49 592 | GW 49 963 | GW 49 963 | GW 49 970 | - | - | - |
| MTXM 400 MTX/E/M 630 | 300 | 3-4P | GW 49 592 | GW 49 963 | GW 49 963 | GW 49 970 | - | - | - |
| | 600 | 3-4P | - | - | - | - | GW 49 976 | GW 49 976 | - |
| MTXM 800 MTX/E/M 1000 | 500 | 3-4P | - | GW 49 980 | GW 49 982 | GW 49 981 | - | - | - |
| | 800 | 3-4P | - | - | - | - | GW 49 985 | GW 49 986 | - |
| MTSE/M 1600 | 600 | 3-4P | - | GW 49 432 | GW 49 433 | GW 49 434 | - | - | - |
| | 800 | 4P | - | - | - | - | GW 49 435 | GW 49 436 | - |
| VERTICAL INSTALLATION | | | | | | | | | |
| MTX/E/M 320 | 400 | 3-4P | GW 49 590 | GW 49 955 | - | - | - | - | - |
| MTXM 400 MTX/E/M 630 (400A) | 400 | 3-4P | GW 49 593 | GW 49 971 | - | - | - | - | - |
| MTXM 400 MTX/E/M 630 | 400 | 3-4P | GW 49 593 | GW 49 971 | - | - | - | - | - |
| MTXM 800 MTX/E/M 1000 | 500 | 3-4P | - | GW 49 989 | GW 49 991 (1) | GW 49 992 (1) | - | - | - |
| MTSE/M 1600 | 800 | 3-4P | - | GW 49 439 | GW 49 441 (1) | GW 49 442 (1) | - | - | - |





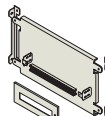
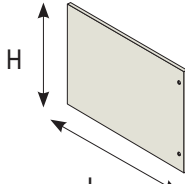


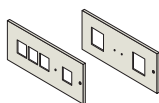
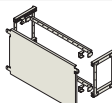
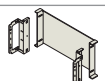
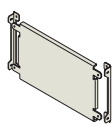
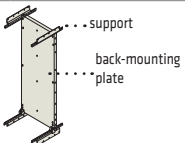
(1) only form 2

KIT OF MTX AND MTS MOULDED-CASE CIRCUIT BREAKERS FOR SEPARATED CVX 1600 DISTRIBUTION CABINETS
SEPARATED DISTRIBUTION BOARDS

| PLUG-IN VERSION | | | | | | WITHDRAWABLE VERSION | | | | | |
|---|----------------------|---|----------------------|---|--------------------------|---|----------------------|---|----------------------|---|--------------------------|
|  Vertical kit | |  Horizontal kit | |  Horizontal kit | |  Horizontal kit | |  Horizontal kit | |  Horizontal kit | |
| LEVER CONTROL | | DIRECT ROTATING HANDLE | MOTOR CONTROL | INTERLOCKED | MOTORISED INTERLOCKED | LEVER CONTROL | | DIRECT ROTATING HANDLE | MOTOR CONTROL | INTERLOCKED | MOTORISED INTERLOCKED |
| L=400mm (12 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=400mm (12 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) | L=600mm (24 mod.) |
| HORIZONTAL INSTALLATION | | | | | | | | | | | |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| GW 49 586 | GW 49 944 | - | - | - | - | - | - | - | - | - | - |
| GW 49 588 | GW 49 948 | GW 49 949 | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | GW 49 952 | GW 49 952 | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | GW 49 953 | GW 49 953 | GW 49 960 (1) | - | - |
| - | - | - | - | GW 49 958 | GW 49 959 | - | - | - | - | GW 49 961 | GW 49 962 |
| - | GW 49 964 | GW 49 964 | - | - | - | - | GW 49 966 | GW 49 966 | GW 49 968 (1) | - | - |
| - | GW 49 965 | GW 49 965 | - | - | - | - | GW 49 967 | GW 49 967 | GW 49 969 (1) | - | - |
| - | - | - | - | GW 49 976 | GW 49 977 | - | - | - | - | GW 49 978 | GW 49 979 |
| - | - | - | - | - | - | - | GW 49 984 | GW 49 984 | GW 49 983 (1) | - | - |
| - | - | - | - | - | - | - | - | - | - | GW 49 987 | GW 49 988 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | GW 49 437 | GW 49 438 |
| VERTICAL INSTALLATION | | | | | | | | | | | |
| - | GW 49 956 | - | - | - | - | - | GW 49 957 | - | - | - | - |
| - | GW 49 972 | - | - | - | - | - | GW 49 974 | - | - | - | - |
| GW 49 594 | GW 49 973 | - | - | - | - | GW 49 595 | GW 49 975 | - | - | - | - |
| - | - | - | - | - | - | - | GW 49 990 | GW 49 990 (1) | GW 49 993 (1) | - | - |
| - | - | - | - | - | - | - | GW 49 440 | GW 49 440 (1) | GW 49 443 (1) | - | - |



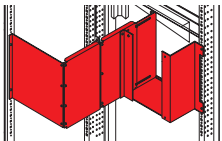
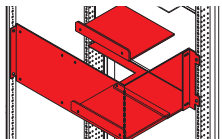
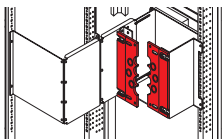
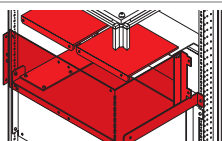
47 CVX 1600

CVX 1600 DISTRIBUTION CABINETS CONFIGURATION

| | | | Panel height (mm) | L= 400 mm (12 mod.) | L= 600 mm (24 mod.) | L= 850 mm (36 mod.) |
|--|---|------|-------------------|---------------------|---------------------|---------------------|
| INSTALLATION ON DIN RAIL KIT - NON-SEPARATED ENCLOSURES DISTRIBUTION CABINETS | | | | | | |
| 1-DIN row installation kit  | DIN rail kit | - | - | GW 49 221 | GW 49 223 | GW 49 227 |
| | Front panel with window | 200 | GW 49 501 | GW 49 502 | GW 49 506 | |
| 2-DIN row installation kit  | DIN rail kit | - | - | GW 49 225 | GW 49 228 | |
| | Front panel with window | 300 | - | GW 49 504 | GW 49 508 | |
| 1-DIN row strengthened installation kit for MTX  | DIN rail kit | - | - | GW 49 148 | GW 49 149 | |
| | Front panel with window | 200 | - | GW 49 502 | GW 49 506 | |
| Strengthened installation kit for MTX with "L" residual current device  | DIN rail kit | - | - | GW 49 148 | GW 49 149 | |
| | Front panel with window | 300 | - | GW 49 146 | GW 49 147 | |
| INSTALLATION ON DIN RAIL KIT - SEPARATED ENCLOSURES DISTRIBUTION CABINETS | | | | | | |
| 1-DIN row installation kit  | DIN rail kit | - | GW 49 222 | GW 49 224 | GW 49 230 | |
| | Front panel with window | 200 | GW 49 501 | GW 49 502 | GW 49 506 | |
| | Back-mounting plate | 200 | GW 49 819 | GW 49 823 | GW 49 851 | |
| FRONT PANELS | | | | | | |
| Flat blank  | | 100 | GW 49 451 | GW 49 456 | GW 49 470 | |
| | | 200 | GW 49 452 | GW 49 457 | GW 49 471 | |
| | | 300 | GW 49 453 | GW 49 458 | GW 49 472 | |
| | | 400 | GW 49 454 | GW 49 459 | GW 49 473 | |
| | | 600 | GW 49 455 | GW 49 460 | GW 49 474 | |
| | | 800 | - | GW 49 461 | GW 49 481 | |
| | | 1800 | - | GW 49 463 | GW 49 476 | |
| | | 2000 | - | GW 49 464 | GW 49 477 | |
| Sunken blank  | | 200 | - | GW 49 465 | GW 49 478 | |
| | | 400 | - | GW 49 466 | GW 49 479 | |
| | | 600 | - | GW 49 467 | GW 49 480 | |
| Aerated  | | 100 | - | GW 49 468 | - | |
| | | 200 | - | GW 49 469 | - | |
| For measuring instruments and three-way switches  | No. 2 instruments 72x72mm No. 2 switches | 200 | - | GW 49 514 | GW 49 518 | |
| | No. 2 instruments 96x96mm No. 2 switches | 200 | - | GW 49 515 | GW 49 519 | |
| | No. 4 instruments 72x72mm No. 1 switch | 200 | - | GW 49 516 | GW 49 520 | |
| | No. 4 instruments 96x96 mm No. 1 switch | 200 | - | GW 49 517 | GW 49 521 | |
| BACK-MOUNTING PLATES - NON-SEPARATED ENCLOSURES DISTRIBUTION CABINETS | | | | | | |
| Flat  | | 200 | GW 49 801 | GW 49 805 | GW 49 812 | |
| | | 300 | - | GW 49 806 | GW 49 813 | |
| | | 400 | - | GW 49 807 | GW 49 814 | |
| | | 600 | - | GW 49 808 | GW 49 815 | |
| Sunken  | | 200 | - | GW 49 809 | GW 49 816 | |
| | | 400 | - | GW 49 810 | GW 49 817 | |
| | | 600 | - | GW 49 811 | GW 49 818 | |
| BACK-MOUNTING PLATES - SEPARATED ENCLOSURES DISTRIBUTION CABINETS | | | | | | |
| Flat  | | 200 | GW 49 819 | GW 49 823 | GW 49 851 | |
| | | 300 | - | GW 49 824 | GW 49 852 | |
| | | 400 | - | GW 49 825 | GW 49 853 | |
| | | 600 | - | GW 49 826 | GW 49 854 | |
| | | 800 | - | GW 49 827 | GW 49 855 | |
| FULL-HEIGHT BACK-MOUNTING PLATES | | | | | | |
| Back-mounting plates  | Back-mounting plates | 1800 | - | GW 49 828 | GW 49 830 | |
| | | 2000 | - | GW 49 829 | GW 49 831 | |
| | structures P= 400 | - | - | GW 49 832 | GW 49 832 | |
| | Supports structures P= 600 | - | - | GW 49 833 | GW 49 833 | |
| | structures P= 800 | - | - | GW 49 834 | GW 49 834 | |

CVX 1600 DISTRIBUTION CABINETS CONFIGURATION

DIVIDERS FOR MOULDED-CASE CIRCUIT BREAKERS

| INTERNAL SEPARATION FORM | | | Panel height (mm) | | | | | |
|--------------------------|---|-----------------------------|---|-----------|-----------|-----------|---------------|-----------|
| | | | 200 | 300 | 400 | 500 | 600 | 800 |
| FORM 2A |  | L = 400mm | STANDARD MOULDED-CASE CIRCUIT BREAKERS KIT FOR SEPARATED ENCLOSURES | | | | | |
| | | L = 600mm | | | | | | |
| + | | | | | | | | |
| FORM 3A |  | L = 400mm | GW 49 561 | GW 49 561 | GW 49 561 | GW 49 561 | GW 49 561 | GW 49 561 |
| | | L = 600mm | GW 49 562 | GW 49 562 | GW 49 562 | GW 49 562 | GW 49 562 | GW 49 562 |
| FORM 3B |  | MCCB in HORIZONTAL position | | | | | | |
| | | L = 400mm | GW 49 531 | GW 49 532 | - | - | GW 49 534 (1) | - |
| | | L = 600mm | GW 49 535 | GW 49 536 | - | GW 49 538 | GW 49 539 | GW 49 544 |
| |  | MCCB in VERTICAL position | | | | | | |
| | | D = 600mm | - | - | GW 49 996 | GW 49 540 | - | - |
| | | D = 800mm | - | - | GW 49 997 | GW 49 541 | - | GW 49 543 |
| + | | | | | | | | |
| FORM 4B |  | MCCB in HORIZONTAL position | | | | | | |
| | | D = 600mm | GW 49 550 | GW 49 551 | - | GW 49 553 | GW 49 554 | - |
| | | D = 800mm | | | | | | |
| |  | MCCB in VERTICAL position | | | | | | |
| | | D = 600mm | - | - | GW 49 998 | GW 49 555 | - | - |
| | | D = 800mm | - | - | GW 49 999 | GW 49 556 | - | GW 49 558 |

(2) Only for back-mounting plate H=600mm

INTERNAL SEPARATION FOR BUSBARS

| | Internal cable compartment | External cable compartment | L= 400mm (12 mod.) | L= 600mm (24 mod.) | L= 850mm (36 mod.) |
|---|----------------------------|----------------------------|--------------------|--------------------|--------------------|
| Horizontal busbars | | | | | |
| Universal horizontal separation | - | - | GW 49 561 | GW 49 562 | GW 49 578 |
| Horizontal separation | - | - | GW 49 563 | GW 49 564 | - |
| Rear vertical separation | - | - | GW 49 565 | GW 49 566 | - |
| Cable compartment separation D= 600/800mm | GW 49 574 | GW 49 575 | GW 49 576 (2) | GW 49 577 (2) | - |
| Vertical busbars | D = 600mm | D = 800mm | - | - | - |
| Vertical separation (H = 1800mm) | GW 49 567 | GW 49 569 | - | - | - |
| Internal compartment rear separation (H = 1800mm) | GW 49 571 | GW 49 571 | - | - | - |
| Vertical separation (H = 2000mm) | GW 49 568 | GW 49 570 | - | - | - |
| Internal compartment rear separation (H = 2000mm) | GW 49 572 | GW 49 572 | - | - | - |

(2) Structure used as external cable compartment.

NOTES:

To create the circuit breaker dividers, use: cabinets with base B = 400/600 mm (also B = 850 mm, but with internal cable compartment) and with depth P = 600/800 mm, closed functional frames, installation kit for moulded-case circuit breakers in segregated version, and moulded-case circuit breakers with the relative rear terminals.

For modular devices on DIN rail, the back-mounting plate for segregated cabinets (GW 49819 ÷ GW 49827) is necessary, as well as the DIN rail for closed frames and the DIN panel with windows.

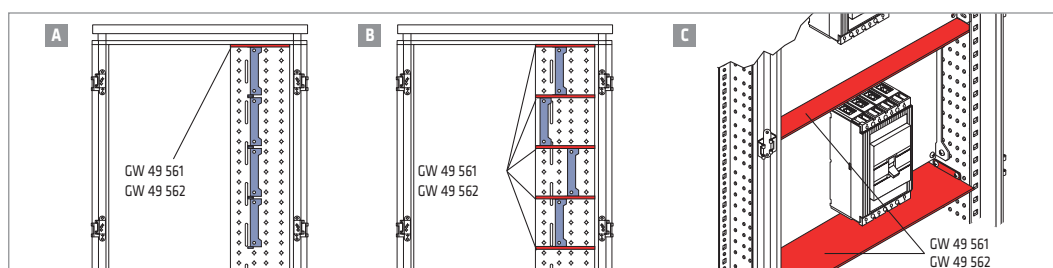
The minimum segregation is Form 2A, obtained by using the installation kit for the specific MCCB for segregated cabinets and positioning 2 horizontal shelves (GW 49561 for B = 400 mm or GW 49562 for B = 600 mm), one at the top of the cabinet (at the start of the column) and one at the bottom (at the end of the column) (figure A). If the MCCB back-mounting plates are not aligned, add a horizontal shelf (GW 49561 for B = 400 mm or GW 49562 for B = 600 mm) for each circuit breaker cell with a plate not aligned with the adjacent cell (figures B and C).

To create MCCB dividers greater than Form 2A, you must add the higher form kits to the elements of Form 2A until you obtain the required form (see below):

Form 3A = Form 2A kit + Form 3A kit

Form 3B = Form 2A kit + Form 3B kit

Form 4B = Form 2A kit + Form 3B kit + Form 4B kit



Separation examples:

- form 2A with aligned plates (A)
- form 2A with unaligned plates (B)
- front view of the functional unit cell (C).

47 CVX 1600

COMPATIBILITY BETWEEN MTX, MTS MOULDED-CASE CIRCUIT BREAKERS AND MSS SWITCH DISCONNECTORS WITH NON-SEPARATED CVX 1600 DISTRIBUTION CABINETS

| | | NON-SEPARATED DISTRIBUTION CABINETS | | | | | | | | |
|---|-------------------|---|-----------|-----------|-----------------|--|-----------|----------------------|-----------|-----------|
| | | FIXED VERSION | | | PLUG-IN VERSION | | | WITHDRAWABLE VERSION | | |
| | | D = 400mm | D = 600mm | D = 800mm | D = 400mm | D = 600mm | D = 800mm | D = 400mm | D = 600mm | D = 800mm |
| LEVER CONTROL | | | | | | | | | | |
| MTX/M 160c | front connections | * | * | * | - | - | - | - | - | - |
| | rear connections | * | * | * | - | - | - | - | - | - |
| MTX/M 160c + BD residual current device | front connections | * | * | * | - | - | - | - | - | - |
| | rear connections | * | * | * | - | - | - | - | - | - |
| MTX/E 160 | front connections | * | * | * | * | * | * | - | - | - |
| | rear connections | * | * | * | * | * | * | - | - | - |
| MTX/E 160 + BD residual current device | front connections | * | * | * | - | - | - | - | - | - |
| | rear connections | - | - | - | - | - | - | - | - | - |
| MTX/M 250 | front connections | * | * | * | * | * | * | - | - | - |
| | rear connections | - | * | * | - | * | * | - | - | - |
| MTX/M 250 + BD residual current device | front connections | * | * | * | - | - | - | - | - | - |
| | rear connections | - | - | - | - | - | - | - | - | - |
| MTX/E/M 320 | front connections | * | * | * | * | * | * | * | * | * |
| | rear connections | - | * | * | - | * | * | - | * | * |
| MTX/E/M 320 + BD residual current device | front connections | * | * | * | - | - | - | - | - | - |
| | rear connections | - | * | * | - | - | - | - | - | - |
| MTXM 400 MTX/E/M 630 | front connections | * | * | * | * | * | * | * | * | * |
| | rear connections | - | * | * | - | * | * | - | * | * |
| MTXM 400 MTX/E/M 630 + BD residual current device | front connections | * | * | * | - | - | - | - | - | - |
| | rear connections | - | * | * | - | - | - | - | - | - |
| MTXM 800 MTX/E/M 1000 | front connections | * | * | * | - | - | - | - | * | * |
| | rear connections | - | * | * | - | - | - | - | * | * |
| MTSE 1600 MTSM 1600 | front connections | - | * | * | - | - | - | - | - | * |
| | rear connections | - | * | * | - | - | - | - | - | * |
| DIRECT ROTARY HANDLE / MOTOR OPERATING | | | | | | | | | | |
| MTX/M 160c | front connections | * | * | * | - | - | - | - | - | - |
| | rear connections | * | * | * | - | - | - | - | - | - |
| MTX/E 160 | front connections | * | * | * | - | - | - | - | - | - |
| | rear connections | * | * | * | - | - | - | - | - | - |
| MTX/M 250 | front connections | * | * | * | * | * | * | - | - | - |
| | rear connections | - | * | * | - | * | * | - | - | - |
| MTX/E/M 320 | front connections | * | * | * | - | - | - | 1 | 1 | 1 |
| | rear connections | - | * | * | - | - | - | - | 1 | 1 |
| MTXM 400 MTX/E/M 630 | front connections | * | * | * | - | - | - | 1 | 1 | 1 |
| | rear connections | - | * | * | - | - | - | - | 1 | 1 |
| MTXM 800 MTX/E/M 1000 | front connections | * | * | * | - | - | - | - | 1 | 1 |
| | rear connections | - | * | * | - | - | - | - | 1 | 1 |
| MTSE 1600 MTSM 1600 | front connections | - | * | * | - | - | - | - | - | 2 |
| | rear connections | - | * | * | - | - | - | - | - | 2 |
| MSS 250 MSS 630 | front connections | * | * | * | - | - | - | - | - | - |
| | rear connections | - | - | - | - | - | - | - | - | - |
| INTERLOCKED / MOTORISED INTERLOCKED | | | | | | | | | | |
| MTX/M 160c | front connections | - | - | - | - | - | - | - | - | - |
| | rear connections | - | - | - | - | - | - | - | - | - |
| MTX/E 160 | front connections | - | - | - | - | - | - | - | - | - |
| | rear connections | - | - | - | - | - | - | - | - | - |
| MTX/M 250 | front connections | * | * | * | - | - | - | - | - | - |
| | rear connections | - | * | * | - | - | - | - | - | - |
| MTX/E/M 320 | front connections | - | * | * | - | * | * | - | * | * |
| | rear connections | - | * | * | - | * | * | - | * | * |
| MTXM 400 MTX/E/M 630 | front connections | - | * | * | - | * | * | - | * | * |
| | rear connections | - | * | * | - | * | * | - | * | * |
| MTXM 800 MTX/E/M 1000 | front connections | - | * | * | - | - | - | - | * | * |
| | rear connections | - | * | * | - | - | - | - | - | * |
| MTSE 1600 MTSM 1600 | front connections | - | * | * | - | - | - | - | - | 3 |
| | rear connections | - | * | * | - | - | - | - | - | 3 |
| SYMBOL LEGEND | * | Recommended solutions | | | 2 | Use only the protruding glass door with motor control versions | | | | |
| | 1 | Use only the protruding glass door with direct rotating handle versions | | | 3 | Use only the protruding glass door with motor control interlocked versions | | | | |

COMPATIBILITY BETWEEN MTX, MTS MOULDED-CASE CIRCUIT BREAKERS AND MSS SWITCH DISCONNECTORS WITH SEPARATED CVX 1600 DISTRIBUTION CABINETS

| | | SEPARATED DISTRIBUTION BOARDS | | | | | |
|---|-------------------|-------------------------------|-----------|-----------------|-----------|----------------------|-----------|
| | | FIXED VERSION | | PLUG-IN VERSION | | WITHDRAWABLE VERSION | |
| | | D = 600mm | D = 800mm | D = 600mm | D = 800mm | D = 600mm | D = 800mm |
| LEVER CONTROL | | | | | | | |
| MTX/M 160c | front connections | - | - | - | - | - | - |
| | rear connections | * | * | - | - | - | - |
| MTX/M 160c + BD residual current device | front connections | - | - | - | - | - | - |
| | rear connections | * | * | - | - | - | - |
| MTX/E 160 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | * | * | - | - |
| MTX/M 250 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | * | * | - | - |
| MTX/E/M 320 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | * | * | * | * |
| MTXM 400 MTX/E/M 630 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | * | * | * | * |
| MTXM 800 MTX/E/M 1000 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | - | - | * | * |
| MTSE 1600 MTSM 1600 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | - | - | - | * |
| DIRECT ROTARY HANDLE / MOTOR OPERATING | | | | | | | |
| MTX/M 160c | front connections | - | - | - | - | - | - |
| | rear connections | * | * | - | - | - | - |
| MTX/E 160 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | - | - | - | - |
| MTX/M 250 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | 2 | 2 | - | - |
| MTX/E/M 320 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | 2 | 2 | 1-2 | 1-2 |
| MTXM 400 MTX/E/M 630 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | 2 | 2 | 1-2 | 1-2 |
| MTXM 800 MTX/E/M 1000 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | - | - | 1-2 | 1-2 |
| MTSE 1600 MTSM 1600 | front connections | - | - | - | - | - | - |
| | rear connections | - | * | - | - | - | - |
| MSS 250 MSS 630 | front connections | - | - | - | - | - | - |
| | rear connections | - | - | - | - | - | - |
| INTERLOCKED / MOTORISED INTERLOCKED | | | | | | | |
| MTX/M 160c | front connections | - | - | - | - | - | - |
| | rear connections | - | - | - | - | - | - |
| MTX/E 160 | front connections | - | - | - | - | - | - |
| | rear connections | - | - | - | - | - | - |
| MTX/M 250 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | - | - | - | - |
| MTX/E/M 320 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | 3 | 3 | 3 | 3 |
| MTXM 400 MTX/E/M 630 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | 3 | 3 | 3 | 3 |
| MTXM 800 MTX/E/M 1000 | front connections | - | - | - | - | - | - |
| | rear connections | * | * | - | - | * | * |
| MTSE 1600 MTSM 1600 | front connections | - | - | - | - | - | - |
| | rear connections | - | * | - | - | - | 3 |

47 CVX 1600

Floor - mounting cabinets up to 3200 A

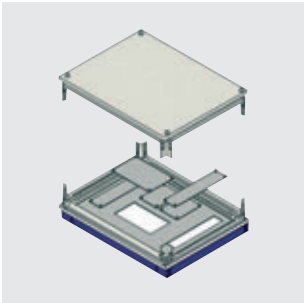
The CVX 1600 range of modular boards, already prepared for the installation of modular devices belonging to the 90 range and the MTX Moulded-case circuit breaker range up to 1600 A. The range is a complete and integrated system of electric boards that, starting from a pre-configured structure assembly kit, allows to realize any type of both secondary and primary distribution cabinet.



Technical characteristics page 936

STRUCTURAL ELEMENTS

BASE STRUCTURE



GW 49 001

BASE COMPLETE WITH INSPECTABLE BASE MOUNT AND PRE-ASSEMBLED HEAD

| Code | Functional dim. LxD (mm) | External dim. LxD (mm) | Pack Carton |
|--------------------|-----------------------------|---------------------------|----------------|
| Modules: 12 | | | |
| GW 49 001 | 400x400 | 510x323 | 1 |
| GW 49 002 | 400x600 | 510x598 | 1 |
| GW 49 003 | 400x800 | 510x798 | 1 |
| Modules: 24 | | | |
| GW 49 004 | 600x400 | 720x323 | 1 |
| GW 49 005 | 600x600 | 720x598 | 1 |
| GW 49 006 | 600x800 | 720x798 | 1 |
| Modules: 36 | | | |
| GW 49 007 | 850x400 | 920x323 | 1 |
| GW 49 008 | 850x600 | 920x598 | 1 |
| GW 49 009 | 850x800 | 920x798 | 1 |

ACCESSORIES SUPPLIED: cable gland plates with IP65 sealing gasket and fixing accessories.
CHARACTERISTICS: head cover colour Grey RAL 7035; base with lower cable entry; skirting H= 100 mm painted in colour Blue RAL 5003.



GW 49 011

NR. 4 VERTICAL UPRIGHTS WITH PRE-ASSEMBLED HINGES IN GALVANIZED MATERIAL

| Code | Functional Height (mm) | External board height (mm) | Pack Carton |
|-----------|---------------------------|-------------------------------|----------------|
| GW 49 011 | 1800 | 2031 | 1 |
| GW 49 012 | 2000 | 2231 | 1 |

ACCESSORIES SUPPLIED: base and head element fixing screws.
NOTE: the external height of the board also includes the height of the plinth (H=100 mm).

FUNCTIONAL FRAMES



GW 49 021

PAIR OF FUNCTIONAL FRAMES FOR NON-SEPARATED DISTRIBUTION BOARDS (OPEN FRAME)

| Code | Functional Height (mm) | External board height (mm) | Pack Carton |
|-----------|------------------------|----------------------------|-------------|
| GW 49 021 | 1800 | 2031 | 1 |
| GW 49 022 | 2000 | 2231 | 1 |

CHARACTERISTICS: holes every 25 mm for mounting panelling and device installation kits.
NOTE: the external height of the board also includes the height of the plinth (H=100 mm).
The operating frames are not needed in the case of boards with an internal cable compartment, because they are already included in the internal cable compartment kit.



GW 49 023

PAIR OF FUNCTIONAL FRAMES FOR SEPARATED DISTRIBUTION BOARDS (CLOSED FRAME)

| Code | Functional Height (mm) | External board height (mm) | Pack Carton |
|-----------|------------------------|----------------------------|-------------|
| GW 49 023 | 1800 | 2031 | 1 |
| GW 49 024 | 2000 | 2231 | 1 |

CHARACTERISTICS: holes every 25 mm for mounting panelling and device installation kits.
NOTE: the external height of the board also includes the height of the plinth (H=100 mm).
The operating frames are not needed in the case of boards with an internal cable compartment, because they are already included in the internal cable compartment kit.

SIDE AND BACK PANELS



GW 49 041

PAIR OF SOLID SIDE PANELS IN PAINTED SHEET STEEL

| Code | For structures HxD (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 49 041 | 1800x400 | 1 |
| GW 49 042 | 1800x600 | 1 |
| GW 49 043 | 1800x800 | 1 |
| GW 49 044 | 2000x400 | 1 |
| GW 49 045 | 2000x600 | 1 |
| GW 49 046 | 2000x800 | 1 |

ACCESSORIES SUPPLIED: screws for fixing to the structure.

CHARACTERISTICS: painted sheet metal panels colour Grey RAL 7035; sealing gaskets IP65 applied to the panel; prearranged for the earthing.

NOTE: suitable for making distribution boards with IP31/IP41 (without door) and IP65 (with door) protection ratings.



GW 49 031

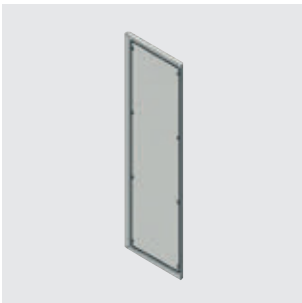
PAIR OF AERATION SIDE PANELS IN PAINTED SHEET STEEL

| Code | For structures HxD (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 49 031 | 1800x600 | 1 |
| GW 49 032 | 1800x800 | 1 |
| GW 49 033 | 2000x600 | 1 |
| GW 49 034 | 2000x800 | 1 |

ACCESSORIES SUPPLIED: screws for fixing to the structure.

CHARACTERISTICS: painted sheet metal panels colour Grey RAL 7035; sealing gaskets IP65 applied to the panel; prearranged for the earthing.

NOTE: screening for natural or forced aeration with IP41 protection rating.



GW 49 091

SOLID REAR PANELS IN PAINTED SHEET STEEL

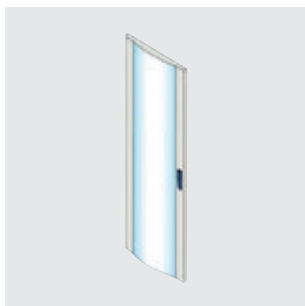
| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 49 091 | 400x1800 | 1 |
| GW 49 092 | 600x1800 | 1 |
| GW 49 093 | 850x1800 | 1 |
| GW 49 094 | 400x2000 | 1 |
| GW 49 095 | 600x2000 | 1 |
| GW 49 096 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: screws for fixing to the structure.

CHARACTERISTICS: painted sheet metal panels colour Grey RAL 7035; sealing gaskets IP65 applied to the panel; prearranged for the earthing.

NOTE: suitable for making distribution boards with IP31/IP41 (without door) and IP65 (with door) protection ratings.

FRONT DOORS AND PROFILES



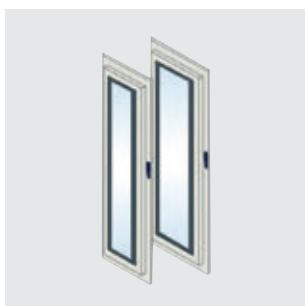
GW 49 061

SMOKED CURVED TEMPERED SAFETY GLASS FRONT AND BACK DOORS IP65 EQUIPPED WITH HANDLE AND ROD-MECHANISM LOCK

| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 49 061 | 400x1800 | 1 |
| GW 49 062 | 400x2000 | 1 |
| GW 49 063 | 600x1800 | 1 |
| GW 49 064 | 600x2000 | 1 |
| GW 49 065 | 850x1800 | 1 |
| GW 49 066 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: mounting pins; key in zama alloy.

CHARACTERISTICS: use as front or rear door; possibility to assemble the door with reversible opening (right/left); IP65 sealing gaskets applied on the door; possibility of replacing the handle insert with security lock; sheet metal painted with epoxy-polyester powders, Grey RAL 7035.



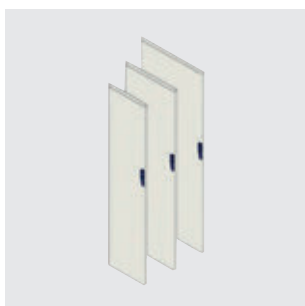
GW 49 071

FRONT OR REAR PROTRUDING GLASS IP65 DOORS EQUIPPED WITH HANDLE AND ROD-MECHANISM LOCK

| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 49 071 | 600x1800 | 1 |
| GW 49 072 | 600x2000 | 1 |
| GW 49 073 | 850x1800 | 1 |
| GW 49 074 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: mounting pins; key in zama alloy.

CHARACTERISTICS: door for assembly of MTX moulded-case switches with direct rotary handle, motor control and interlocked in extractable/plug-in assembly; use as front or rear door; possibility to assemble the door with reversible opening (right/left); IP65 sealing gaskets applied on the door; possibility of replacing the handle insert with security lock; sheet metal painted with epoxy-polyester powders, Grey RAL 7035.



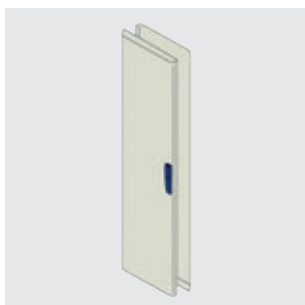
GW 49 081

SOLID PAINTED SHEET STEEL DOORS IP65 EQUIPPED WITH HANDLE AND ROD-MECHANISM LOCK

| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 49 081 | 400x1800 | 1 |
| GW 49 082 | 400x2000 | 1 |
| GW 49 083 | 600x1800 | 1 |
| GW 49 084 | 600x2000 | 1 |
| GW 49 085 | 850x1800 | 1 |
| GW 49 086 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: mounting pins; key in zama alloy.

CHARACTERISTICS: use as front or rear door; possibility to assemble the door with reversible opening (right/left); IP65 sealing gaskets applied on the door; possibility of replacing the handle insert with security lock; sheet metal painted with epoxy-polyester powders, Grey RAL 7035.



GW 49 051

PAIR OF SOLID LATERAL DOORS - IP65

| Code | For structures HxD (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 49 051 | 1800x400 | 1 |
| GW 49 052 | 2000x400 | 1 |
| GW 49 053 | 1800x600 | 1 |
| GW 49 054 | 2000x600 | 1 |
| GW 49 055 | 1800x800 | 1 |
| GW 49 056 | 2000x800 | 1 |

ACCESSORIES SUPPLIED: mounting pins; key in zama alloy.

CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); IP65 sealing gaskets applied on the door; possibility of replacing the handle insert with security lock; sheet metal painted with epoxy-polyester powders, Grey RAL 7035.

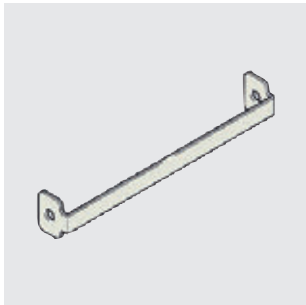


GW 49 102

FRONT FINISHING PROFILES IN INSULATING MATERIAL FOR DISTRIBUTION BOARDS WITHOUT DOOR IP31/IP41

| Code | Type | For structures (mm) | Quantity | Pack Carton |
|----------------------------|--------|---------------------|----------|-------------|
| Profile: Horizontal | | | | |
| GW 49 101 | Single | L=300 | 2 pieces | 1 |
| GW 49 102 | Single | L=400 | 2 pieces | 1 |
| GW 49 103 | Single | L=600 | 2 pieces | 1 |
| GW 49 104 | Single | L=850 | 2 pieces | 1 |
| Profile: Vertical | | | | |
| GW 49 105 | Single | H=1800 | 2 pieces | 1 |
| GW 49 106 | Double | H=1800 | 1 piece | 1 |
| GW 49 107 | Single | H=2000 | 2 pieces | 1 |
| GW 49 108 | Double | H=2000 | 1 piece | 1 |

NOTES: for side structures choose the vertical profile for application on junction uprights.



GW 49 212

HORIZONTAL METAL PROFILES FOR IP41 DISTRIBUTION BOARDS WITHOUT DOORS

| Code | For structures L (mm) | Quantity | Pack Carton |
|-----------|-----------------------|----------|-------------|
| GW 49 211 | 400 | 4 pieces | 1 |
| GW 49 212 | 600 | 4 pieces | 1 |
| GW 49 213 | 850 | 4 pieces | 1 |

NOTES: the metal profiles are fixed between each front panel and the one that follows.

INTERNAL CABLE COMPARTMENT



GW 49 112

INTERNAL CABLE COMPARTMENT KIT FOR NON-SEPARATED DISTRIBUTION BOARDS (OPEN FRAME) COMPLETE WITH HINGED COVER

| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 49 112 | 850x1800 | 1 |
| GW 49 114 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: structure fixing accessories; double-finned key; pair of functional frames.

CHARACTERISTICS: option of mounting on right or left side of the box (B=850 mm); option of right or left opening of the hinged cover panel; panel in painted sheet metal colour Grey RAL 7035 complete with 2 locks.



GW 49 111

INTERNAL CABLE COMPARTMENT KIT FOR SEPARATED DISTRIBUTION BOARDS (CLOSED FRAME) COMPLETE WITH HINGED COVER AND REAR UPRIGHT

| Code | For structures LxH (mm) | Pack Carton |
|-----------|----------------------------|----------------|
| GW 49 111 | 850x1800 | 1 |
| GW 49 113 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: structure fixing accessories; double-finned key; pair of functional frames and rear upright.

CHARACTERISTICS: option of mounting on right or left side of the box (B=850 mm); option of right or left opening of the hinged cover panel; panel in painted sheet metal colour Grey RAL 7035 complete with 2 locks.



GW 49 025

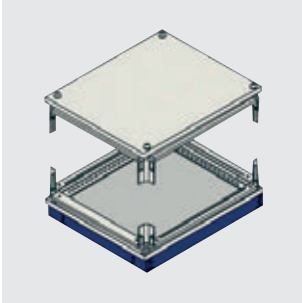
REAR UPRIGHTS FOR INTERNAL COMPARTMENT FOR NON-SEPARATED DISTRIBUTION BOARDS (OPEN FRAME)

| Code | For structures (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 49 025 | H=1800 | 1 |
| GW 49 026 | H=2000 | 1 |

CHARACTERISTICS: holes every 25 mm for mounting panelling and device installation kits.

NOTE: Suitable for fastening on the back of crosspieces, accessories, bars, etc..

EXTERNAL CABLE COMPARTMENT



GW 49 115

BASE COMPLETE WITH INSPECTABLE BASE MOUNT AND PRE-ASSEMBLED HEAD FOR EXTERNAL COMPARTMENT

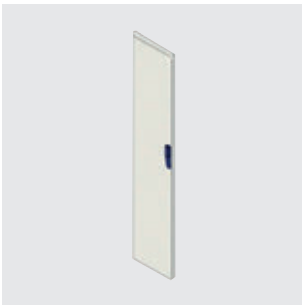
| Code | Functional dim. LxD (mm) | External dim. LxD (mm) | Pack Carton |
|-----------|-----------------------------|---------------------------|----------------|
| GW 49 115 | 300x400 | 420x323 | 1 |
| GW 49 116 | 300x600 | 420x598 | 1 |
| GW 49 117 | 300x800 | 420x798 | 1 |

ACCESSORIES SUPPLIED: cable gland plates and fixing accessories; mounting accessories; mounting accessories.

CHARACTERISTICS: lower cable entry; cable gland plate with IP65 sealing gaskets; skirting H=100 mm painted in colour Blue RAL 5003 that can be inspected; sheet metal painted with epoxy-polyester powders, Grey RAL 7035.

NOTES: to make the external cable compartment, use the vertical uprights GW49011 (H=1800 mm) or GW49012 (H=2000 mm).

The external compartment can be put together with the structure by using the special kit GW49163.



GW 49 121

INTERNAL/EXTERNAL SOLID DOORS AND REAR PANEL IN PAINTED SHEET STEEL

| Code | For structures LxH (mm) | Pack Carton |
|---|----------------------------|----------------|
| Description: Internal door IP31/IP41 | | |
| GW 49 121 | 300x1800 | 1 |
| GW 49 122 | 300x2000 | 1 |
| Description: External door IP65 | | |
| GW 49 123 | 300x1800 | 1 |
| GW 49 124 | 300x2000 | 1 |
| Description: Rear panel IP65 | | |
| GW 49 097 | 300x1800 | 1 |
| GW 49 098 | 300x2000 | 1 |

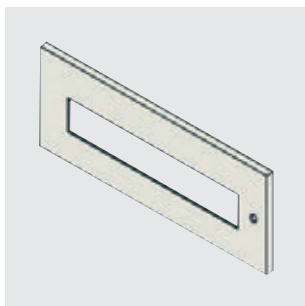
ACCESSORIES SUPPLIED: mounting accessories.

CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); IP65 sealing gaskets applied on the door/panel.

NOTES: the doorless version is completed with the finish profiles. The external doors can also be used as second doors in the version with external door.

FRONT CONFIGURATION

INSTALLATION KIT FOR DEVICES ON DIN RAIL



GW 49 501

FRONT PANELS IN PAINTED SHEET STEEL WITH DIN PERFORATION

| Code | No. DIN rows | Dimensions LxH (mm) | Pack Carton |
|--------------------|-----------------|------------------------|----------------|
| Modules: 12 | | | |
| GW 49 501 | 1 | 400x200 | 1 |
| Modules: 24 | | | |
| GW 49 502 | 1 | 600x200 | 1 |
| GW 49 504 | 2 | 600x300 | 1 |
| GW 49 146 | 1 | 600x300 | 1 |
| Modules: 36 | | | |
| GW 49 506 | 1 | 850x200 | 1 |
| GW 49 508 | 2 | 850x300 | 1 |
| GW 49 147 | 1 | 850x300 | 1 |

ACCESSORIES SUPPLIED: mounting accessories.

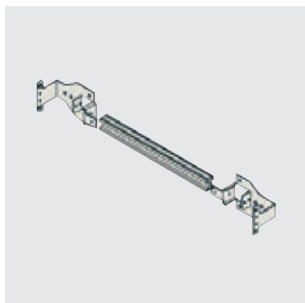
CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; panel earthing by contact; captive panel fixing screws.

Rotation hinges included (welded to the panel).

NOTES: GW49504/8 for modular devices of the 90 range only.

GW49501/2/6 suitable for modular devices of the 90 and MTX/M 160c, MTX/M 160c ranges with lowered "L" add-on residual current device, MTX/E 160, MTX/M 250.

GW49146/7 specific version for MTX/M 160c, MTX/E 160, MTX/M 250 with "L" add-on residual current device.



GW 49 221

RAIL KIT EN 50022 (DIN 35) FOR MODULAR DEVICES (90 RANGE) AND MOULDED-CASE DEVICES UP TO 250A (MTX/M 160C - MTX/E 160 - MTX/M 250 RANGE)

| Code | Description | Type | For structures | Pack Carton |
|--------------------|---------------------------|-----------------------------|----------------|----------------|
| Modules: 12 | | | | |
| GW 49 221 | 1 DIN rail | Twin - Aluminium | open frame | 1 |
| GW 49 222 | 1 DIN rail | Twin - Aluminium | closed frame | 1 |
| Modules: 24 | | | | |
| GW 49 223 | 1 DIN rail | Twin - Aluminium | open frame | 1/6 |
| GW 49 224 | 1 DIN rail | Twin - Aluminium | closed frame | 1/6 |
| GW 49 225 | 2 DIN rails (int. 150 mm) | Twin - Aluminium | open frame | 1/6 |
| GW 49 148 | 1 DIN rail | Stiffened for MTX 160/c-250 | open frame | 1 |
| Modules: 36 | | | | |
| GW 49 227 | 1 DIN rail | Twin - Aluminium | open frame | 1/6 |
| GW 49 230 | 1 DIN rail | Twin - Aluminium | closed frame | 1/6 |
| GW 49 228 | 2 DIN rails (int. 150 mm) | Twin - Aluminium | open frame | 1/6 |
| GW 49 149 | 1 DIN rail | Stiffened for MTX 160/c-250 | open frame | 1 |

ACCESSORIES SUPPLIED: double EN 50022 (DIN 35) rail in aluminium with depth adjustment.

NOTES: for the assembly of the MTX moulded-case devices with or without residual current device, order the special kit for fixing to the DIN rail.

The coupling of modular and moulded-case devices requires the GW49209 depth adapter.

INSTALLATION KIT FOR MTX AND MTS MOULDED-CASE DEVICES IN NON-SEGREGATED CABINETS

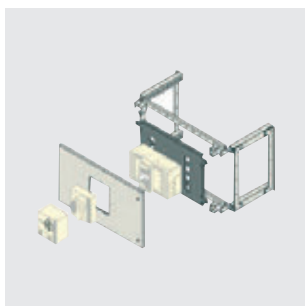


INSTALLATION KIT FOR MCCB UP TO 630A - WITH FRONT OR REAR COUPLINGS IN NON-SEPARATED CABINETS B = 400MM - COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATES

| Code | Execution | Control | No. of poles | Height H (mm) | Installation | Pack Carton |
|---|--------------------|---------|-----------------|------------------|--------------|----------------|
| Suitable for: MTX/M 160c | | | | | | |
| GW 49 183 | Fixed | Lever | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 186 | Fixed + add-on RCD | Lever | 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/E 160 | | | | | | |
| GW 49 184 | Fixed | Lever | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 187 | Fixed + add-on RCD | Lever | 4P | 200 | Horizontal | 1 |
| GW 49 185 | Plug-in | Lever | 3P - 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/M 250 | | | | | | |
| GW 49 188 | Fixed | Lever | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 192 | Fixed + add-on RCD | Lever | 4P | 300 | Horizontal | 1 |
| GW 49 190 | Plug-in | Lever | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 189 | Fixed | Lever | 3P - 4P | 300 | Vertical | 1 |
| GW 49 191 | Plug-in | Lever | 3P - 4P | 400 | Vertical | 1 |
| Suitable for: MTX/E/M 320 | | | | | | |
| GW 49 193 | Fixed | Lever | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 194 | Fixed | Lever | 3P - 4P | 400 | Vertical | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | | | | | |
| GW 49 195 | Fixed | Lever | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 196 | Fixed | Lever | 3P - 4P | 400 | Vertical | 1 |
| GW 49 197 | Fixed + add-on RCD | Lever | 4P | 500 | Vertical | 1 |

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035, perforated for fixing the circuit breaker cover; panel earthing by contact; prearrangement of the panels for rotation hinges (included); pre-arrangement of the panel perforations for the assembly of the covers of the moulded-case devices; elastic rings to avoid losing the fixing screws; simple fixing of devices, thanks to the threaded bushings on the assembly plate.

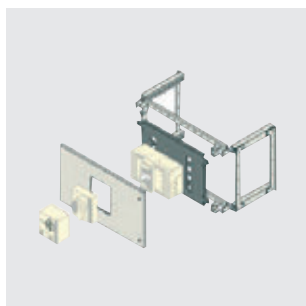
NOTE: GW49187/92 only front terminal



**INSTALLATION KIT FOR MCCB UP TO 1600A - WITH FRONT OR REAR COUPLINGS - IN NON-SEPARATED CABINETS
B = 600MM - COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATES**

| Code | Execution | Control | No. of poles | Height H (mm) | Installation | Pack Carton |
|--|---------------------------|-----------------------------|--------------|---------------|--------------|-------------|
| Suitable for: MTX/M 160c | | | | | | |
| GW 49 861 | Fixed | Lever/Motor | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 863 | Fixed + add-on RCD | Lever | 4P | 200 | Horizontal | 1 |
| GW 49 866 | Fixed | Straight rotary | 3P - 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/E 160 | | | | | | |
| GW 49 862 | Fixed | Lever/Motor | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 867 | Fixed | Straight rotary | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 864 | Fixed + add-on RCD | Lever | 4P | 200 | Horizontal | 1 |
| GW 49 865 | Plug-in | Lever | 3P - 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/M 250 | | | | | | |
| GW 49 868 | Fixed | Lever/Motor | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 869 | Fixed | Straight rotary | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 870 | Fixed + add-on RCD | Lever | 4P | 300 | Horizontal | 1 |
| GW 49 875 | Fixed interlocked | Lever/Motor | 3P - 4P | 500 | Horizontal | 1 |
| GW 49 872 | Plug-in | Lever/Motor | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 871 | Plug-in | Straight rotary | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 873 | Fixed | Lever | 3P - 4P | 300 | Vertical | 1 |
| GW 49 874 | Plug-in | Lever | 3P - 4P | 400 | Vertical | 1 |
| Suitable for: MTX/E/M 320 | | | | | | |
| GW 49 876 | Fixed | Lever/Straight rotary/Motor | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 880 | Fixed + add-on RCD | Lever | 4P | 200 | Horizontal | 1 |
| GW 49 878 | Plug-in | Lever | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 884 | Fixed/plug-in interlocked | Lever/Motor | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 882 | Withdrawable | Lever/Straight rotary | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 886 | Withdrawable | Motor | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 885 | Withdrawable interlocked | Lever/Motor | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 877 | Fixed | Lever/Straight rotary/Motor | 3P - 4P | 400 | Vertical | 1 |
| GW 49 883 | Withdrawable | Lever/Straight rotary | 3P - 4P | 400 | Vertical | 1 |
| GW 49 887 | Withdrawable | Motor | 3P - 4P | 400 | Vertical | 1 |
| GW 49 881 | Fixed + add-on RCD | Lever | 4P | 500 | Vertical | 1 |
| GW 49 879 | Plug-in | Lever | 3P - 4P | 400 | Vertical | 1 |
| Suitable for: MTXM 400-MTX/E 630 (400A) | | | | | | |
| GW 49 889 | Plug-in | Lever | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 891 | Withdrawable | Lever/Straight rotary | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 893 | Withdrawable | Motor | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 896 | Plug-in | Lever | 3P - 4P | 400 | Vertical | 1 |
| GW 49 898 | Withdrawable | Lever/Straight rotary | 3P - 4P | 400 | Vertical | 1 |
| GW 49 900 | Withdrawable | Motor | 3P - 4P | 400 | Vertical | 1 |
| Suitable for: MTX/E/M 630 (500/630A) | | | | | | |
| GW 49 890 | Plug-in | Lever | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 892 | Withdrawable | Lever/Straight rotary | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 894 | Withdrawable | Motor | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 897 | Plug-in | Lever | 3P - 4P | 500 | Vertical | 1 |
| GW 49 899 | Withdrawable | Lever/Straight rotary | 3P - 4P | 500 | Vertical | 1 |
| GW 49 901 | Withdrawable | Motor | 3P - 4P | 500 | Vertical | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | | | | | |
| GW 49 888 | Fixed | Lever/Straight rotary/Motor | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 902 | Fixed + add-on RCD | Lever | 4P | 300 | Horizontal | 1 |
| GW 49 904 | Fixed/plug-in interlocked | Lever/Motor | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 905 | Withdrawable interlocked | Lever/Motor | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 895 | Fixed | Lever/Straight rotary/Motor | 3P - 4P | 400 | Vertical | 1 |
| GW 49 903 | Fixed + add-on RCD | Lever | 4P | 500 | Vertical | 1 |

to be continued on next page



(CONTINUE)

INSTALLATION KIT FOR MCCB UP TO 1600A - WITH FRONT OR REAR COUPLINGS - IN NON-SEPARATED CABINETS B = 600MM - COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATES

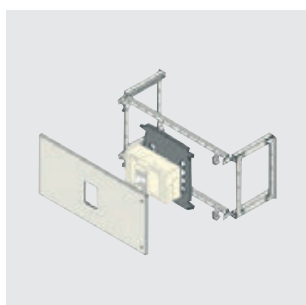
| Code | Execution | Control | No. of poles | Height H (mm) | Installation | Pack Carton |
|-----------------------------------|--------------------------------|-----------------------|--------------|---------------|--------------|-------------|
| Suitable for: MTX/E/M 1000 | | | | | | |
| GW 49 906 | Fixed | Lever | 3P - 4P | 500 | Horizontal | 1 |
| GW 49 908 | Fixed | Straight rotary | 3P - 4P | 500 | Horizontal | 1 |
| GW 49 909 | Fixed | Motor | 3P - 4P | 500 | Horizontal | 1 |
| GW 49 911 | Fixed interlocked | Lever | 3P - 4P | 800 | Horizontal | 1 |
| GW 49 912 | Fixed interlocked | Motor | 3P - 4P | 800 | Horizontal | 1 |
| GW 49 907 | Withdrawable | Lever/Straight rotary | 3P - 4P | 500 | Horizontal | 1 |
| GW 49 910 | Withdrawable | Motor | 3P - 4P | 500 | Horizontal | 1 |
| GW 49 913 | Withdrawable interlocked | Lever | 3P - 4P | 800 | Horizontal | 1 |
| GW 49 914 | Withdrawable interlocked | Motor | 3P - 4P | 800 | Horizontal | 1 |
| GW 49 915 | Fixed | Lever | 3P - 4P | 500 | Vertical | 1 |
| GW 49 917 | Fixed | Straight rotary | 3P - 4P | 500 | Vertical | 1 |
| GW 49 918 | Fixed | Motor | 3P - 4P | 500 | Vertical | 1 |
| GW 49 916 | Withdrawable | Lever/Straight rotary | 3P - 4P | 500 | Vertical | 1 |
| GW 49 919 | Withdrawable | Motor | 3P - 4P | 500 | Vertical | 1 |
| Suitable for: MTSE/M 1600 | | | | | | |
| GW 49 311 | Fixed | Lever | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 312 | Fixed | Straight rotary | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 313 | Fixed | Motor | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 314 | Fixed interlocked | Lever | 4P | 800 | Horizontal | 1 |
| GW 49 315 | Fixed/Withdrawable interlocked | Motor | 4P | 800 | Horizontal | 1 |
| GW 49 316 | Withdrawable interlocked | Lever | 4P | 800 | Horizontal | 1 |
| GW 49 317 | Fixed | Lever | 3P - 4P | 700 | Vertical | 1 |
| GW 49 318 | Withdrawable | Lever/Straight rotary | 3P - 4P | 700 | Vertical | 1 |
| GW 49 319 | Fixed | Straight rotary | 3P - 4P | 700 | Vertical | 1 |
| GW 49 320 | Fixed | Motor | 3P - 4P | 700 | Vertical | 1 |
| GW 49 322 | Withdrawable | Motor | 3P - 4P | 700 | Vertical | 1 |

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035, perforated for fixing the circuit breaker cover; panel earthing by contact; prearrangement of the panels for rotation hinges (included); pre-arrangement of the panel perforations for the assembly of the covers of the moulded-case devices; elastic rings to avoid losing the fixing screws; simple fixing of devices, thanks to the threaded bushings on the assembly plate.

NOTES: interlock plate to be purchased separately.

GW49864/70 only front terminal

GW49911/2-GW49311/2/3 only rear terminal.



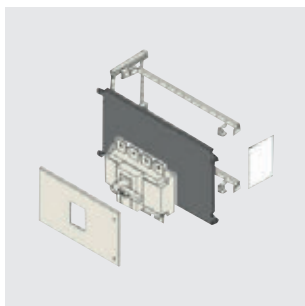
INSTALLATION KIT FOR MCCB UP TO 1600A - WITH FRONT OR REAR COUPLINGS - IN NON-SEPARATED CABINETS B = 850MM - COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATES

| Code | Execution | Control | No. of poles | Height H (mm) | Installation | Pack Carton |
|---|--------------------|---------|--------------|---------------|--------------|-------------|
| Suitable for: MTX/M 160c | | | | | | |
| GW 49 926 | Fixed + add-on RCD | Lever | 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/E 160 | | | | | | |
| GW 49 927 | Fixed + add-on RCD | Lever | 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/M 250 | | | | | | |
| GW 49 928 | Fixed | Lever | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 929 | Fixed + add-on RCD | Lever | 4P | 300 | Horizontal | 1 |
| GW 49 930 | Fixed | Lever | 3P - 4P | 300 | Vertical | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | | | | | |
| GW 49 931 | Fixed | Lever | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 932 | Fixed | Lever | 3P - 4P | 400 | Vertical | 1 |
| GW 49 933 | Fixed + add-on RCD | Lever | 4P | 300 | Horizontal | 1 |
| GW 49 934 | Fixed + add-on RCD | Lever | 4P | 500 | Vertical | 1 |
| Suitable for: MTX/E/M 1000 | | | | | | |
| GW 49 935 | Fixed | Lever | 3P - 4P | 500 | Vertical | 1 |
| Suitable for: MTSE/M 1600 | | | | | | |
| GW 49 340 | Fixed | Lever | 3P - 4P | 700 | Vertical | 1 |

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035, perforated for fixing the circuit breaker cover; panel earthing by contact; prearrangement of the panels for rotation hinges (included); pre-arrangement of the panel perforations for the assembly of the covers of the moulded-case devices; elastic rings to avoid losing the fixing screws; simple fixing of devices, thanks to the threaded bushings on the assembly plate.

NOTE: GW49927/9 only front terminal

INSTALLATION KIT FOR MSS IN NON SEPARATE DISTRIBUTION BOARDS

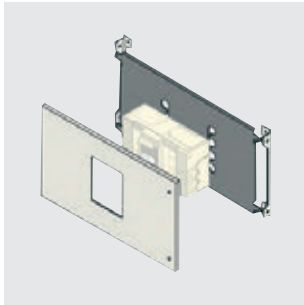


INSTALLATION KIT FOR A SWITCH DISCONNECTOR UP TO 630 A IN FIXED EXECUTION WITH FRONT TERMINALS IN NON SEPARATED CABINETS - COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATES

| Code | Dimensions LxH (mm) | Suitable for | No. of poles | Installation | Pack Carton |
|--------------------|------------------------|-----------------|-----------------|---------------------|----------------|
| Modules: 24 | | | | | |
| GW 49 491 | 600x300 | MSS 250 | 3P - 4P | Horizontal/Vertical | 1 |
| GW 49 492 | 600x400 | MSS 630 | 3P - 4P | Horizontal | 1 |
| GW 49 493 | 600x500 | MSS 630 | 3P - 4P | Vertical | 1 |
| Modules: 36 | | | | | |
| GW 49 494 | 850x300 | MSS 250 | 3P - 4P | Horizontal/Vertical | 1 |
| GW 49 495 | 850x400 | MSS 630 | 3P - 4P | Horizontal | 1 |
| GW 49 496 | 850x500 | MSS 630 | 3P - 4P | Vertical | 1 |

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035, perforated for fixing the circuit breaker cover; panel earthing by contact; prearrangement of the panels for rotation hinges (included); pre-arrangement of the panel perforations for the assembly of the covers of the moulded-case devices; elastic rings to avoid losing the fixing screws; simple fixing of devices, thanks to the threaded bushings on the assembly plate.

INSTALLATION KIT FOR MTX AND MTS MOULDED-CASE DEVICES IN SEPARATED CABINETS



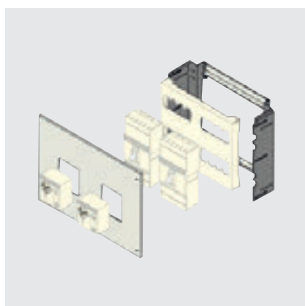
INSTALLATION KIT FOR MCCB UP TO 630A - WITH REAR TERMINALS

IN SEPARATED CABINETS B = 400MM

COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATES

| Code | Execution | Control | No. of poles | Height H (mm) | Installation | Pack Carton |
|--|--------------|---------|--------------|---------------|--------------|-------------|
| Suitable for: MTX/M 160c | | | | | | |
| GW 49 584 | Fixed | Lever | 3P - 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/E 160 | | | | | | |
| GW 49 585 | Fixed | Lever | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 586 | Plug-in | Lever | 3P - 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/M 250 | | | | | | |
| GW 49 587 | Fixed | Lever | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 588 | Plug-in | Lever | 3P - 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/E/M 320 | | | | | | |
| GW 49 589 | Fixed | Lever | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 590 | Fixed | Lever | 3P - 4P | 400 | Vertical | 1 |
| Suitable for: MTX/M 400-MTX/E/M 630 (400 A) | | | | | | |
| GW 49 592 | Fixed | Lever | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 593 | Fixed | Lever | 3P - 4P | 400 | Vertical | 1 |
| Suitable for: MTX/E/M 630 (500/630A) | | | | | | |
| GW 49 594 | Plug-in | Lever | 3P - 4P | 400 | Vertical | 1 |
| GW 49 595 | Withdrawable | Lever | 3P - 4P | 400 | Vertical | 1 |

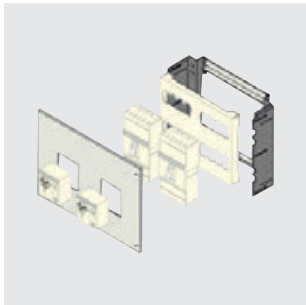
CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035, perforated for fixing the circuit breaker cover; panel earthing by contact; prearrangement of the panels for rotation hinges (included); elastic rings to avoid losing the fixing screws; simple fixing of devices, thanks to the threaded bushings on the assembly plate; standard configuration for Form 2 divider segregation; pre-arrangement for conversion to Form 3 and Form 4 with special segregation kits.



**INSTALLATION KIT FOR MCCB SWITCH TO 1600A WITH REAR TERMINALS
IN SEPARATED CABINETS B = 600MM
COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATES**

| Code | Execution | Control | No. of poles | Height H (mm) | Installation | Pack Carton |
|--|---------------------------|----------------------------|--------------|---------------|--------------|-------------|
| Suitable for: MTX/M 160c | | | | | | |
| GW 49 941 | Fixed | Lever/Motor | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 943 | Fixed + add-on RCD | Lever | 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/E 160 | | | | | | |
| GW 49 942 | Fixed | Lever/Motor | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 945 | Fixed | Straight rotary | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 944 | Plug-in | Lever | 3P - 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/M 250 | | | | | | |
| GW 49 946 | Fixed | Lever/Motor | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 947 | Fixed | Straight rotary | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 950 | Fixed interlocked | Lever/Motor | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 948 | Plug-in | Lever | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 949 | Plug-in | Straight rotary | 3P - 4P | 200 | Horizontal | 1 |
| Suitable for: MTX/E/M 320 | | | | | | |
| GW 49 951 | Fixed | Lever/Straight rotary | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 954 | Fixed | Motor | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 958 | Fixed/plug-in interlocked | Lever / Motor (fixed only) | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 952 | Plug-in | Lever/Straight rotary | 3P - 4P | 200 | Horizontal | 1 |
| GW 49 959 | Plug-in interlocked | Motor | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 953 | Withdrawable | Lever/Straight rotary | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 960 | Withdrawable | Motor | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 961 | Withdrawable interlocked | Lever | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 962 | Withdrawable interlocked | Motor | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 955 | Fixed | Lever | 3P - 4P | 400 | Vertical | 1 |
| GW 49 956 | Plug-in | Lever | 3P - 4P | 400 | Vertical | 1 |
| GW 49 957 | Withdrawable | Lever | 3P - 4P | 400 | Vertical | 1 |
| Suitable for: MTXM 400-MTX/E 630 (400A) | | | | | | |
| GW 49 964 | Plug-in | Lever/Straight rotary | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 966 | Withdrawable | Lever/Straight rotary | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 968 | Withdrawable | Motor | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 972 | Plug-in | Lever | 3P - 4P | 400 | Vertical | 1 |
| GW 49 974 | Withdrawable | Lever | 3P - 4P | 400 | Vertical | 1 |
| Suitable for: MTX/E/M 630 (500/630A) | | | | | | |
| GW 49 965 | Plug-in | Lever/Straight rotary | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 967 | Withdrawable | Lever/Straight rotary | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 969 | Withdrawable | Motor | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 973 | Plug-in | Lever | 3P - 4P | 400 | Vertical | 1 |
| GW 49 975 | Withdrawable | Lever | 3P - 4P | 400 | Vertical | 1 |
| Suitable for: MTXM 400-MTX/E/M 630 | | | | | | |
| GW 49 963 | Fixed | Lever/Straight rotary | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 970 | Fixed | Motor | 3P - 4P | 300 | Horizontal | 1 |
| GW 49 976 | Fixed/plug-in interlocked | Lever / Motor (fixed only) | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 977 | Plug-in interlocked | Motor | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 978 | Withdrawable interlocked | Lever | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 979 | Withdrawable interlocked | Motor | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 971 | Fixed | Lever | 3P - 4P | 400 | Vertical | 1 |
| Suitable for: MTX/E/M 1000 | | | | | | |
| GW 49 980 | Fixed | Lever | 3P - 4P | 500 | Horizontal | 1 |
| GW 49 982 | Fixed | Straight rotary | 3P - 4P | 500 | Horizontal | 1 |
| GW 49 981 | Fixed | Motor | 3P - 4P | 500 | Horizontal | 1 |
| GW 49 985 | Fixed interlocked | Lever | 3P - 4P | 800 | Horizontal | 1 |
| GW 49 986 | Fixed interlocked | Motor | 3P - 4P | 800 | Horizontal | 1 |
| GW 49 984 | Withdrawable | Lever/Straight rotary | 3P - 4P | 500 | Horizontal | 1 |
| GW 49 983 | Withdrawable | Motor | 3P - 4P | 500 | Horizontal | 1 |
| GW 49 987 | Withdrawable interlocked | Lever | 3P - 4P | 800 | Horizontal | 1 |
| GW 49 988 | Withdrawable interlocked | Motor | 3P - 4P | 800 | Horizontal | 1 |
| GW 49 989 | Fixed | Lever | 3P - 4P | 500 | Vertical | 1 |
| GW 49 991 | Fixed | Straight rotary | 3P - 4P | 500 | Vertical | 1 |
| GW 49 992 | Fixed | Motor | 3P - 4P | 500 | Vertical | 1 |
| GW 49 990 | Withdrawable | Lever/Straight rotary | 3P - 4P | 500 | Vertical | 1 |
| GW 49 993 | Withdrawable | Motor | 3P - 4P | 500 | Vertical | 1 |

to be continued on next page



(CONTINUE)
**INSTALLATION KIT FOR MCCB SWITCH TO 1600A WITH REAR TERMINALS
 IN SEPARATED CABINETS B = 600MM
 COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATES**

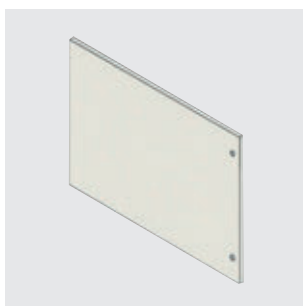
| Code | Execution | Control | No. of poles | Height H (mm) | Installation | Pack Carton |
|----------------------------------|--------------------------|-----------------------|-----------------|------------------|--------------|----------------|
| Suitable for: MTSE/M 1600 | | | | | | |
| GW 49 432 | Fixed | Lever | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 433 | Fixed | Straight rotary | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 434 | Fixed | Motor | 3P - 4P | 600 | Horizontal | 1 |
| GW 49 435 | Fixed interlocked | Lever | 4P | 800 | Horizontal | 1 |
| GW 49 436 | Fixed interlocked | Motor | 4P | 800 | Horizontal | 1 |
| GW 49 437 | Withdrawable interlocked | Lever | 4P | 800 | Horizontal | 1 |
| GW 49 438 | Withdrawable interlocked | Motor | 4P | 800 | Horizontal | 1 |
| GW 49 439 | Fixed | Lever | 3P - 4P | 800 | Vertical | 1 |
| GW 49 440 | Withdrawable | Lever/Straight rotary | 3P - 4P | 800 | Vertical | 1 |
| GW 49 441 | Fixed | Straight rotary | 3P - 4P | 800 | Vertical | 1 |
| GW 49 442 | Fixed | Motor | 3P - 4P | 800 | Vertical | 1 |
| GW 49 443 | Withdrawable | Motor | 3P - 4P | 800 | Vertical | 1 |

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035, perforated for fixing the circuit breaker cover; panel earthing by contact; prearrangement of the panels for rotation hinges (included); elastic rings to avoid losing the fixing screws; simple fixing of devices, thanks to the threaded bushings on the assembly plate; standard configuration for Form 2 divider segregation; pre-arrangement for conversion to Form 3 and Form 4 with special segregation kits.

NOTES: interlock plate to be purchased separately.

GW49960/68/69/83/90/91/92/93 and GW49440/41/42/43 - Form 2 only.

FRONT PANELS



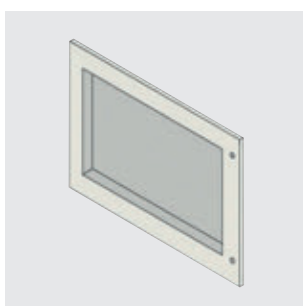
GW 49 459

SOLID FRONT PANELS

| Code | Dimensions LxH (mm) | Pack Carton |
|--------------------|------------------------|----------------|
| Modules: 12 | | |
| GW 49 451 | 400x100 | 1 |
| GW 49 452 | 400x200 | 1 |
| GW 49 453 | 400x300 | 1 |
| GW 49 454 | 400x400 | 1 |
| GW 49 455 | 400x600 | 1 |
| Modules: 24 | | |
| GW 49 456 | 600x100 | 1 |
| GW 49 457 | 600x200 | 1 |
| GW 49 458 | 600x300 | 1 |
| GW 49 459 | 600x400 | 1 |
| GW 49 460 | 600x600 | 1 |
| GW 49 461 | 600x800 | 1 |
| GW 49 463 | 600x1800 | 1 |
| GW 49 464 | 600x2000 | 1 |
| Modules: 36 | | |
| GW 49 470 | 850x100 | 1 |
| GW 49 471 | 850x200 | 1 |
| GW 49 472 | 850x300 | 1 |
| GW 49 473 | 850x400 | 1 |
| GW 49 474 | 850x600 | 1 |
| GW 49 481 | 850x800 | 1 |
| GW 49 476 | 850x1800 | 1 |
| GW 49 477 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; elastic rings to avoid losing the fixing screws; prearrangement of the panels for rotation hinges (included).



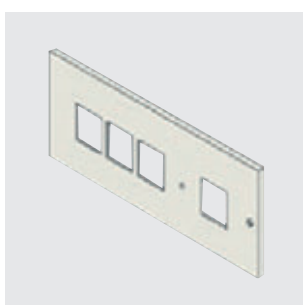
GW 49 466

SOLID FRONT RECESSED PANELS

| Code | Dimensions LxH (mm) | Pack Carton |
|--------------------|------------------------|----------------|
| Modules: 24 | | |
| GW 49 465 | 600x200 | 1 |
| GW 49 466 | 600x400 | 1 |
| GW 49 467 | 600x600 | 1 |
| Modules: 36 | | |
| GW 49 478 | 850x200 | 1 |
| GW 49 479 | 850x400 | 1 |
| GW 49 480 | 850x600 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; elastic rings to avoid losing the fixing screws; prearrangement of the panels for rotation hinges (included).



GW 49 516

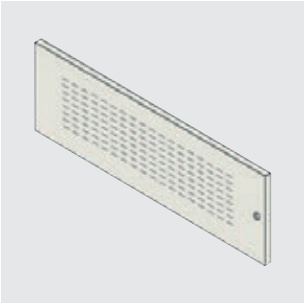
PANELS FOR SQUARE MEASURING INSTRUMENTS

| Code | Dimensions LxH (mm) | 3-way switch no. x hole Ø | Instruments N. x dimensions | Pack Carton |
|--------------------|------------------------|------------------------------|--------------------------------|----------------|
| Modules: 24 | | | | |
| GW 49 514 | 600x200 | 2 Ø9.5 mm | 2 72x72 mm | 1 |
| GW 49 515 | 600x200 | 2 Ø9.5 mm | 2 96x96 mm | 1 |
| GW 49 516 | 600x200 | 1 Ø9.5 mm | 4 72x72 mm | 1 |
| GW 49 517 | 600x200 | 1 Ø9.5 mm | 4 96x96 mm | 1 |
| Modules: 36 | | | | |
| GW 49 518 | 850x200 | 2 Ø9.5 mm | 2 72x72 mm | 1 |
| GW 49 519 | 850x200 | 2 Ø9.5 mm | 2 96x96 mm | 1 |
| GW 49 520 | 850x200 | 1 Ø9.5 mm | 4 72x72 mm | 1 |
| GW 49 521 | 850x200 | 1 Ø9.5 mm | 4 96x96 mm | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; elastic rings to avoid losing the fixing screws; prearrangement of the panels for rotation hinges (included).

APPLICATIONS: installation of ammeters, voltmeters, voltmeter/ammeter three-way switches and distribution boards residual current relay.



GW 49 468

AERATION FRONT PANELS

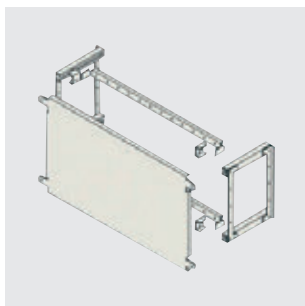
| Code | Dimensions LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 49 468 | 600x100 | 1 |
| GW 49 469 | 600x200 | 1 |

CHARACTERISTICS: front panel in painted sheet metal colour Grey RAL 7035; earthing by contact; elastic rings to avoid losing the fixing screws; prearrangement of the panels for rotation hinges (included).

APPLICATIONS: natural ventilation in floor-mounting distribution boards in combination with aerated side panels.

INTERNAL CONFIGURATION

BACK-MOUNTING PLATES



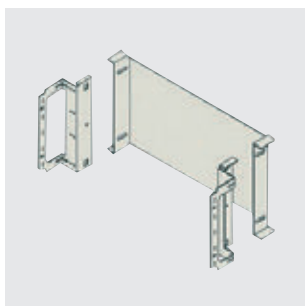
GW 49 801

FLAT BACK-MOUNTING PLATES FOR MOUNTING NON-MODULAR DEVICES

| Code | Dimensions LxH (mm) | Pack Carton |
|--|------------------------|----------------|
| Distribution boards: non separated - 12 modules | | |
| GW 49 801 | 400x200 | 1 |
| Distribution boards: non separated - 24 modules | | |
| GW 49 805 | 600x200 | 1 |
| GW 49 806 | 600x300 | 1 |
| GW 49 807 | 600x400 | 1 |
| GW 49 808 | 600x600 | 1 |
| Distribution boards: non separated - 36 modules | | |
| GW 49 812 | 850x200 | 1 |
| GW 49 813 | 850x300 | 1 |
| GW 49 814 | 850x400 | 1 |
| GW 49 815 | 850x600 | 1 |
| Distribution boards: separated - 12 modules | | |
| GW 49 819 | 400x200 | 1 |
| Distribution boards: separated - 24 modules | | |
| GW 49 823 | 600x200 | 1 |
| GW 49 824 | 600x300 | 1 |
| GW 49 825 | 600x400 | 1 |
| GW 49 826 | 600x600 | 1 |
| GW 49 827 | 600x800 | 1 |
| Distribution boards: separated - 36 modules | | |
| GW 49 851 | 850x200 | 1 |
| GW 49 852 | 850x300 | 1 |
| GW 49 853 | 850x400 | 1 |
| GW 49 854 | 850x600 | 1 |
| GW 49 855 | 850x800 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: possibility to adjust the depth of the plate; plate in steel sheet thickness 20-25/10 mm.



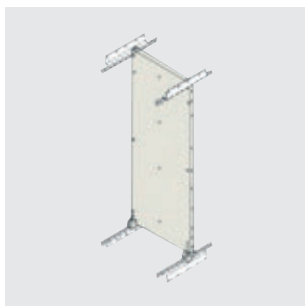
GW 49 809

BACK-MOUNTING INDENTED PLATES FOR MOUNTING NON-MODULAR DEVICES

| Code | Dimensions LxH (mm) | Pack Carton |
|--|------------------------|----------------|
| Distribution boards: non separated - 24 modules | | |
| GW 49 809 | 600x200 | 1 |
| GW 49 810 | 600x400 | 1 |
| GW 49 811 | 600x600 | 1 |
| Distribution boards: non separated - 36 modules | | |
| GW 49 816 | 850x200 | 1 |
| GW 49 817 | 850x400 | 1 |
| GW 49 818 | 850x600 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: possibility to adjust the depth of the plate; plate in steel sheet thickness 20-25/10 mm.



GW 49 828

BACK-MOUNTING FULL HEIGHT PLATES FOR MOUNTING NON-MODULAR DEVICES

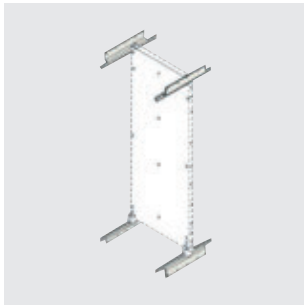
| Code | Dimensions LxH (mm) | Pack Carton |
|--------------------|------------------------|----------------|
| Modules: 24 | | |
| GW 49 828 | 600x1800 | 1 |
| GW 49 829 | 600x2000 | 1 |
| Modules: 36 | | |
| GW 49 830 | 850x1800 | 1 |
| GW 49 831 | 850x2000 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

CHARACTERISTICS: plate in steel sheet thickness 20-25/10 mm.

NOTES: to secure the plate to the structure, use the supports recommended in the following table.

47 CVX 1600



GW 49 832

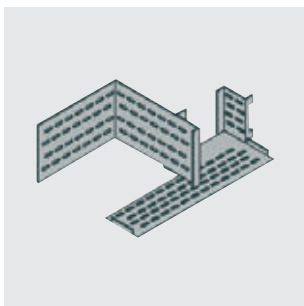
SUPPORTS FOR FULL HEIGHT BACK-MOUNTING PLATES

| Code | For structures (mm) | Pack Carton |
|-----------|---------------------|-------------|
| GW 49 832 | D=400 | 1 |
| GW 49 833 | D=600 | 1 |
| GW 49 834 | D=800 | 1 |

ACCESSORIES SUPPLIED: 4 supports with relative fixing accessories.

NOTES: allow the depth adjustment (full height) of the back-mounting plate.

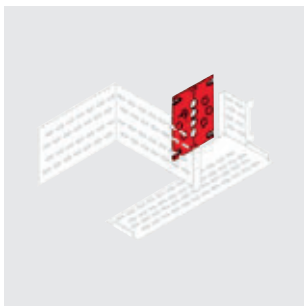
INTERNAL SEPARATIONS FOR CIRCUIT BREAKERS



GW 49 531

DIVIDER KIT - FORM 3B

| Code | Panel dimension LxH (mm) | Pack Carton |
|---------------------------------|--------------------------|-------------|
| Installation: Horizontal | | |
| GW 49 531 | 400x200 | 1 |
| GW 49 532 | 400x300 | 1 |
| GW 49 534 | 400x600 | 1 |
| GW 49 535 | 600x200 | 1 |
| GW 49 536 | 600x300 | 1 |
| GW 49 538 | 600x500 | 1 |
| GW 49 539 | 600x600 | 1 |
| GW 49 544 | 600x800 | 1 |
| Installation: Vertical | | |
| GW 49 996 | 400/600x400 (D=600) | 1 |
| GW 49 997 | 400/600x400 (D=800) | 1 |
| GW 49 540 | 400/600x500 (D=600) | 1 |
| GW 49 541 | 400/600x500 (D=800) | 1 |
| GW 49 543 | 600x800 (D=800) | 1 |



GW 49 550

DIVIDER KIT - FORM 4B

| Code | Front dim. LxH (mm) | Pack Carton |
|---------------------------------|---------------------|-------------|
| Installation: Horizontal | | |
| GW 49 550 | 400/600x200 | 1 |
| GW 49 551 | 400/600x300 | 1 |
| GW 49 553 | 600x500 | 1 |
| GW 49 554 | 600x600 | 1 |
| Installation: Vertical | | |
| GW 49 998 | 400/600x400 (D=600) | 1 |
| GW 49 999 | 400/600x400 (D=800) | 1 |
| GW 49 555 | 400/600x500 (D=600) | 1 |
| GW 49 556 | 400/600x500 (D=800) | 1 |
| GW 49 558 | 600x800 (D=800) | 1 |

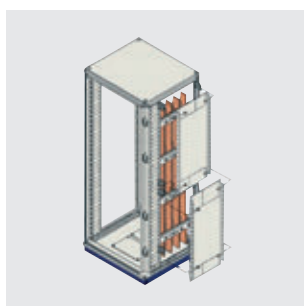
INTERNAL SEPARATION FOR BUSBAR



GW 49 561

INTERNAL SEPARATIONS FOR SYSTEMS OF HORIZONTAL BUSBARS IN THE STRUCTURE

| Code | Description | Type | Width (mm) | Pack Carton |
|-----------|-----------------------|-----------|------------|-------------|
| GW 49 561 | Horizontal tray | Universal | 400 | 1 |
| GW 49 562 | Horizontal tray | Universal | 600 | 1 |
| GW 49 578 | Horizontal tray | Universal | 850 | 1 |
| GW 49 563 | Horizontal separation | | 400 | 1 |
| GW 49 564 | Horizontal separation | | 600 | 1 |
| GW 49 565 | Vertical separation | Rear | 400 | 1 |
| GW 49 566 | Vertical separation | Rear | 600 | 1 |

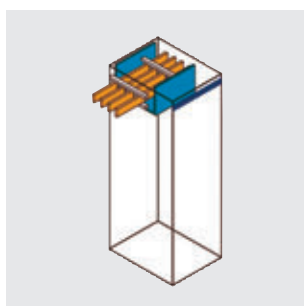


GW 49 567

INTERNAL SEPARATIONS FOR SYSTEMS OF VERTICAL BUSBARS IN THE STRUCTURE

| Code | Description | Type | For structures (mm) | Height (mm) | Pack Carton |
|-----------|---------------------|---------|---------------------|-------------|-------------|
| GW 49 567 | Vertical separation | Lateral | D=600 | 1800 | 1 |
| GW 49 568 | Vertical separation | Lateral | D=600 | 2000 | 1 |
| GW 49 569 | Vertical separation | Lateral | D=800 | 1800 | 1 |
| GW 49 570 | Vertical separation | Lateral | D=800 | 2000 | 1 |
| GW 49 573 | N. 4 spacers | | | | 1 |

GW49573: They permit simultaneous mounting of the vertical dividers and of the crosspieces positioned between the functional frame and the rear upright.



GW 49 574

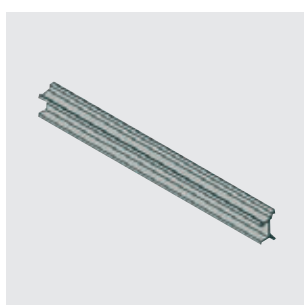
INTERNAL SEPARATIONS FOR BUSBARS SYSTEMS IN THE CABLE COMPARTMENT

| Code | Description | For busbars | Suitable for | Pack Carton |
|-----------|-----------------------|--------------------|--------------------------------|-------------|
| GW 49 574 | Horizontal separation | Horizontal Up/down | Internal cable compartment | 1 |
| GW 49 575 | Horizontal separation | Horizontal Up/down | External cable compartment | 1 |
| GW 49 576 | Horizontal separation | Horizontal Up/down | Structures L=400 mm | 1 |
| GW 49 577 | Horizontal separation | Horizontal Up/down | Structures L=600 mm | 1 |
| GW 49 571 | Rear separation | Vertical | Internal cable comp. H=1800 mm | 1 |
| GW 49 572 | Rear separation | Vertical | Internal cable comp. H=2000 mm | 1 |

NOTE: the GW49576 and GW49577 internal separations have to be chosen if the structure is used as a cable compartment.

COMPLEMENTARY ITEMS

ACCESSORIES

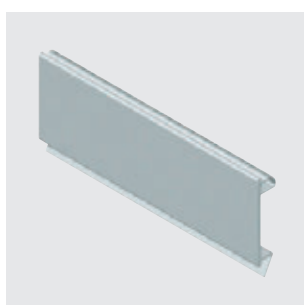


GW 49 209

DEPTH ADAPTOR

| Code | Length (mm) | Pack Carton |
|-----------|-------------|-------------|
| GW 49 209 | 600 | 1 |

APPLICATIONS: compensation of the different installation depths on DIN rail EN 50022 of the modular devices (90 Range) and moulded case devices (MTX/M 160c - MTX/E 160 - MTX/M 250 range).



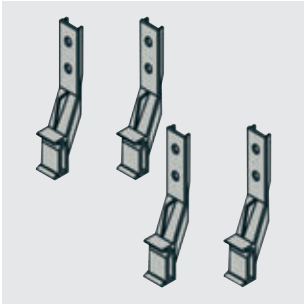
GW 47 291

BLANKING MODULE PROFILE IN PLASTIC MATERIAL - GREY RAL 7035

| Code | Colour | Pack Carton |
|-----------|---------------|-------------|
| GW 47 291 | Grey RAL 7035 | 10 |

CHARACTERISTICS: clip fixing on DIN perforated front panels.

47 CVX 1600



GW 49 201

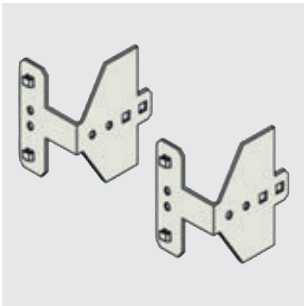
WIRING TRUNKING SUPPORTS

| Code | Description | Suitable for | Pack Carton |
|-----------|-----------------------|---------------------|-------------|
| GW 49 201 | N. 4 plastic supports | horizontal trunking | 1/4 |
| GW 49 202 | N. 4 metal supports | horizontal trunking | 1/4 |

APPLICATIONS: horizontal mounting of trunking up to 60x80 mm in segregated boxes.

NOTES: the plastic support is secured on the back of the double aluminium DIN rail, whereas the metal support is secured on the rail brackets.

Both supports allow the trunking depth to be adjusted.



GW 49 207

SUPPORTS FOR TERMINAL BLOCKS ON NON-SEPARATED DISTRIBUTION BOARDS (OPEN FRAME)

| Code | Description | Pack Carton |
|-----------|--|-------------|
| GW 49 203 | N. 2 horizontal supports 45° inclination | 1 |
| GW 49 207 | N. 2 horizontal supports | 1 |
| GW 49 208 | N. 4 supports x compart. internal/external | 1 |



GW 47 691

RAIL PROFILES FOR MODULAR DEVICES AND TERMINALS

| Code | Profile | Length (mm) | Pack Carton |
|-----------|-------------------|-------------|-------------|
| GW 47 691 | EN 50022 (DIN 35) | 2000 | 1/5 |
| GW 47 692 | EN 50035 (G 32) | 2000 | 1/5 |
| GW 47 693 | EN 50024 (C30) | 2000 | 1/5 |

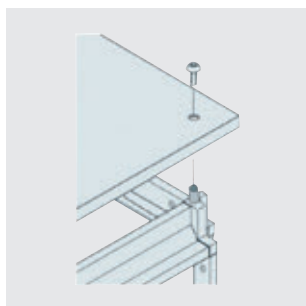


GW 49 163

KIT FOR LATERAL AND REAR SIDE-BY-SIDE MOUNTING OF IP65 STRUCTURES

| Code | Description | Pack Carton |
|-----------|---------------------------------------|-------------|
| GW 49 163 | Structures coupling kit H=1800-2000mm | 1 |

ACCESSORIES SUPPLIED: plates and sealing gaskets.

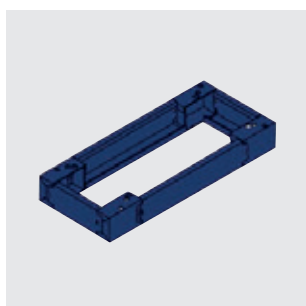


GW 49 164

ROOF AERATION KIT - IP20

| Code | Description | Pack Carton |
|-----------|-------------------|-------------|
| GW 49 164 | Roof aeration kit | 1 |

CHARACTERISTICS: the kit allows aeration, and therefore the dissipable power to be increased. The protection rating is reduced to IP20.



GW 49 133

ADDITIONAL PLINTH H=100MM BLUE RAL 5003 PAINTED INSPECTABLE ON FOUR SIDES THANKS TO REMOVABLE PANELS

| Code | For structure LxD (mm) | Pack Carton |
|-----------|------------------------|-------------|
| GW 49 131 | 300x400 | 1 |
| GW 49 132 | 300x600 | 1 |
| GW 49 133 | 300x800 | 1 |
| GW 49 134 | 400x400 | 1 |
| GW 49 135 | 400x600 | 1 |
| GW 49 136 | 400x800 | 1 |
| GW 49 137 | 600x400 | 1 |
| GW 49 138 | 600x600 | 1 |
| GW 49 139 | 600x800 | 1 |
| GW 49 140 | 850x400 | 1 |
| GW 49 141 | 850x600 | 1 |
| GW 49 142 | 850x800 | 1 |

ACCESSORIES SUPPLIED: 4 angle bars; 4 panels; mounting elements.

CHARACTERISTICS: additional block-mount to facilitate cable entry and raise the board.



GW 46 448

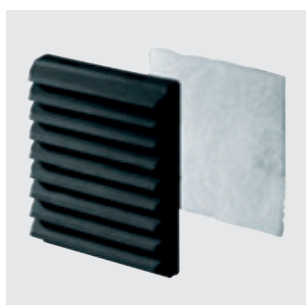
VENTILATION KIT

| Code | IP degree | Rated voltage | Fixing hole (mm) | Screws centre distance (mm) | Pack Carton |
|-----------|-----------|--------------------|------------------|-----------------------------|-------------|
| GW 46 448 | IP44 | 230 V - 50 / 60 Hz | 125x117 | 123x115 | 1/2 |

CHARACTERISTICS: the fan takes in air from the outside and introduces it into the distribution board, creating a slight overpressure that prevents foreign particles from entering. Max fan capacity 60 m³/h. Absorbed power equal to 20 W.

APPLICATIONS: forced ventilation in critical thermal conditions.

ACCESSORIES SUPPLIED: drilling template.



GW 46 471

AERATION KIT

| Code | IP degree | Fixing hole (mm) | Screws centre distance (mm) | Pack Carton |
|-----------|-----------|------------------|-----------------------------|-------------|
| GW 46 471 | IP44 | 125x117 | 123x115 | 1/10 |

ACCESSORIES SUPPLIED: drilling template.

47 CVX 1600



GW 46 447

ADHESIVE DOCUMENT POCKET

| Code | Dimensions LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 46 447 | 230x310 | 1/10 |



GW 49 162

SECURITY LOCK

| Code | Characteristics | Pack Carton |
|-----------|-----------------|----------------|
| GW 49 162 | Yale type | 1 |

NOTE: the lock is supplied with identical keys.



GW 49 167

SET OF 2 METAL BRACKETS FOR WALL FIXING

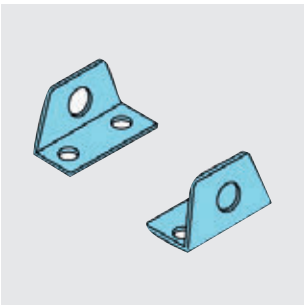
| Code | Characteristics | Pack Carton |
|-----------|-----------------|----------------|
| GW 49 167 | for wall fixing | 1 |



GW 47 492

PAIR OF LIFTING EYEBOLTS

| Code | Characteristics | Pack Carton |
|-----------|-----------------|----------------|
| GW 47 492 | M12 | 1 |



GW 49 168

PAIR OF LIFTING REINFORCEMENTS

| Code | Suitable for | Pack Carton |
|-----------|-------------------------|----------------|
| GW 49 168 | Side by side structures | 1 |

CROSSPIECES FOR ACCESSORIES



POSITION 1



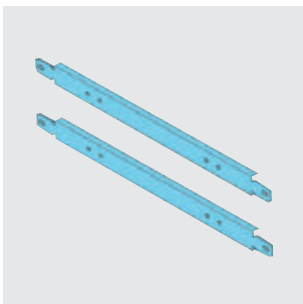
POSITION 2



POSITION 3



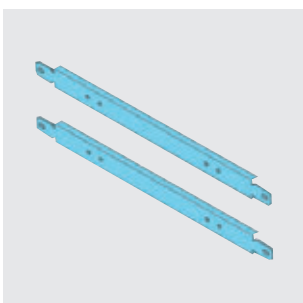
POSITION 4



PAIR OF CROSSPIECES IN GALVANIZED MATERIAL

| Code | Assembly position | For structures (mm) | Pack Carton |
|---|-------------------|---------------------|-------------|
| Distribution boards: non separated | | | |
| GW 49 737 | 2 | D=600 | 1 |
| GW 49 738 | 2 | D=800 | 1 |
| GW 49 733 | 1 | D=600 | 1 |
| GW 49 734 | 1 | D=800 | 1 |
| GW 49 748 | 2 | D=400 | 1 |
| Distribution boards: Separated | | | |
| GW 49 735 | 1 | D=600 | 1 |
| GW 49 736 | 1 | D=800 | 1 |
| Distribution boards: separated / non separated | | | |
| GW 49 731 | 3 | L=600 | 1 |
| GW 49 732 | 3 | L=850 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.



PAIR OF CROSSPIECES IN GALVANIZED MATERIAL FOR REINFORCEMENT

| Code | Assembly position | For structures (mm) | Pack Carton |
|---|-------------------|---------------------|-------------|
| Distribution boards: separated / non separated | | | |
| GW 49 745 | 4 | D=400 | 1 |
| GW 49 746 | 4 | D=600 | 1 |
| GW 49 747 | 4 | D=800 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

NOTE: mounting crosspieces on the base/head.

47 CVX 1600



MAXIMUM SAFETY



The cabinets set in 2a shapes can be easily configured in the 3a, 3b and 4b segregation shapes using kits that simplify and speed up the assembly of the inner panelling, without need any additional sheet metal cutting, folding or drilling work.

COMFORTABLE MOUNTING



The panels have vertical 100mm modularity and are fitted with an invisible hinge on the outside, which can be mounted either on the right or on the left, and which guarantees panel earthing, making the equipotential connection superfluous.

EASY HANDINESS



The extremely compact dimensions of the system allow the busbars to be mounted directly inside the switchgear, positioning them horizontally or vertically, on the back or on the side of the structure, keeping front access, also thanks to the practicality of the scaled type busbar holder.

Technical data

| CVX 1600 | |
|--|--|
| Electrical characteristics | Mechanical characteristics |
| Standards: EN 61439-1 and EN 61439-2, EN 62208 | Degree of protection: IP 31/41 without door |
| Rated current (In): up to 3200 A | IP41 with glass/blank door and aeration side panels |
| Rated operational voltage (Ue): up to 690V AC | IP65 with glass/blank door |
| Rated insulation voltage (Ui): up to 1000V AC | Impact resistance: IK 07 for glass door |
| Rated impulse withstand voltage (Uimp): 8 kV 1.2/50 µs | IK 10 for metal casing and front panels |
| Rated conditioned short-circuit current (Icc): 100 kA | Operating temperature: -5°C - 40°C |
| Rated peak withstand current (Ipk): 254 kA | Storage temperature: -25°C - 55°C |
| Rated short-time withstand current (Icw): 100 kA (1s) | Sheet steel casing: 15/10mm thick |
| Short-circuiting seal of the protection circuit (phase-earth bar): 60 kA (1s) | Sheet steel panels: 12-15/10mm thick |
| Protection against indirect contact: metal casing prearranged for earth connection | Sheet steel door: 15/10mm thick |
| | Back-mounting plates and functional frame in steel sheet: 20-25/10mm thick |
| | Sheet metal painted with colour Grey RAL 7035 epoxy-polyester powder |

| FUNCTIONAL CHARACTERISTICS | |
|--|--|
| Type of installation: indoors | Base (H= 100mm) palletisable by removing the back and front panels |
| Capacity: 12/24/36 EN 50022 modules per row | Structures can be lined up using the provided kit |
| Lower cable entry through metal cable gland plates with sealing gasket | Structure can be wall-mounted using 2 brackets |
| Internal functional frames with 25mm pitch perforation | Earthing by contact of side and rear panels |
| for the assembly of the device installation kits. | Door assembly with reversible opening (right or left side) |
| Pre-arrangement for assembly of internal compartment in board at width 850mm | |

Segregations

Creating a segregated distribution board means dividing the electrical board internally in cells or in compartments by means barriers and partitions.

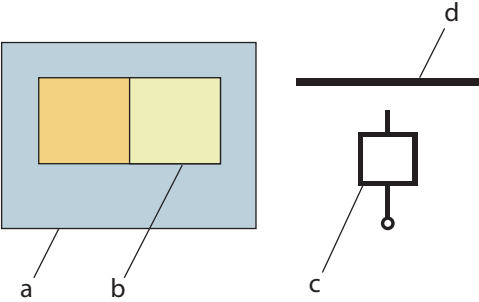
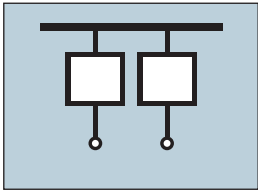
Segregations, or internal separations, have the purpose of:

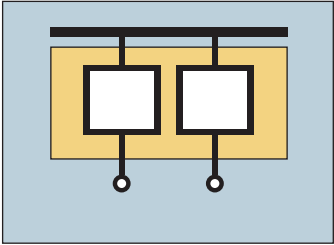
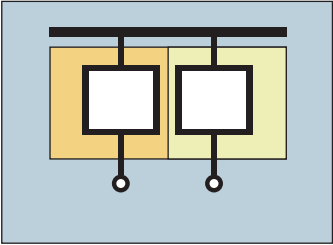
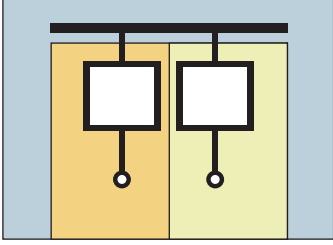
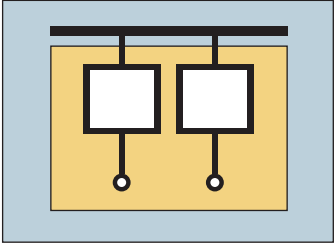
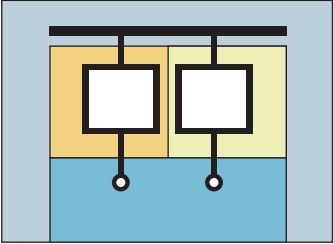
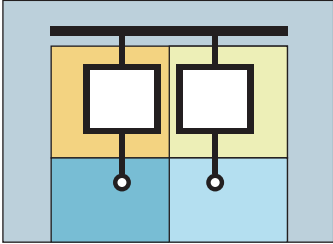
- ensuring protection against direct contact with live parts, especially in the case of safe access to a part of the board without voltage than to the rest of the board supplied. Therefore, these separations allow to manage the differents components of the board during maintenance, replacement and emergency, without disconnecting the main power supply. In this way, it's possible to ensure the continuity of service safety, keeping board always supplied in the parts close to the compartment where the maintenance is in progress.
- achieving a degree of protection (at least IP 2X) against the passage of solid bodies between different parts of the board.
- reducing the probability of an internal arc striking and propagating.

The segregations are classified into form. By form of segregation, the type of subdivision provided inside the board is meant. The choice of the form of segregation doesn't depend on the type of electrical circuit but it is an agreement of the end-user with the manufacturer of the board.

In general, it's important to underline that a high degree of segregation is an advantage for safety purpose because it limits the effects of a possible failure in a compartment; on the other hand, excessive segregation, where not specifically required by system needs, involves problems of heat dissipation and access to extraordinary maintenance operations.

Following there is the classification of the possible form of segregations according to IEC 60439-1/IEC 61439-1-2 standards.

| Form segregations | |
|--|---|
| <p>Symbols</p>  <p>Key</p> <ul style="list-style-type: none">a Housing of electrical boardb Internal segregationc Functional units (or circuit breaker) with the terminals for the external conductorsd Distribution busbars | <p>Form 1 (no internal segregation)</p>  |

| Form 2 (segregation of the busbars from the functional units) | Form 3 (separation of the busbars from the functional units + separation of the functional units from each other) | Form 4 (separation of the busbars from the functional units + separation of the functional units from each other + separation of the terminals from each other) |
|--|--|--|
| Form 2a (terminals not separated from the busbars)  | Form 3a (terminals not separated from the busbars)  | Form 4a (terminals in the same compartment as the associated functional unit)  |
| Form 2b (terminals separated from the busbars)  | Form 3b (terminals separated from the busbars)  | Form 4b (terminals not in the same compartment as the associated functional unit)  |

Dimension tables

STRUCTURE

Calculation of dimensions of no. of side-by-side structures (columns)

Width (mm) = $(B_1+B_2+...+B_n)+28$

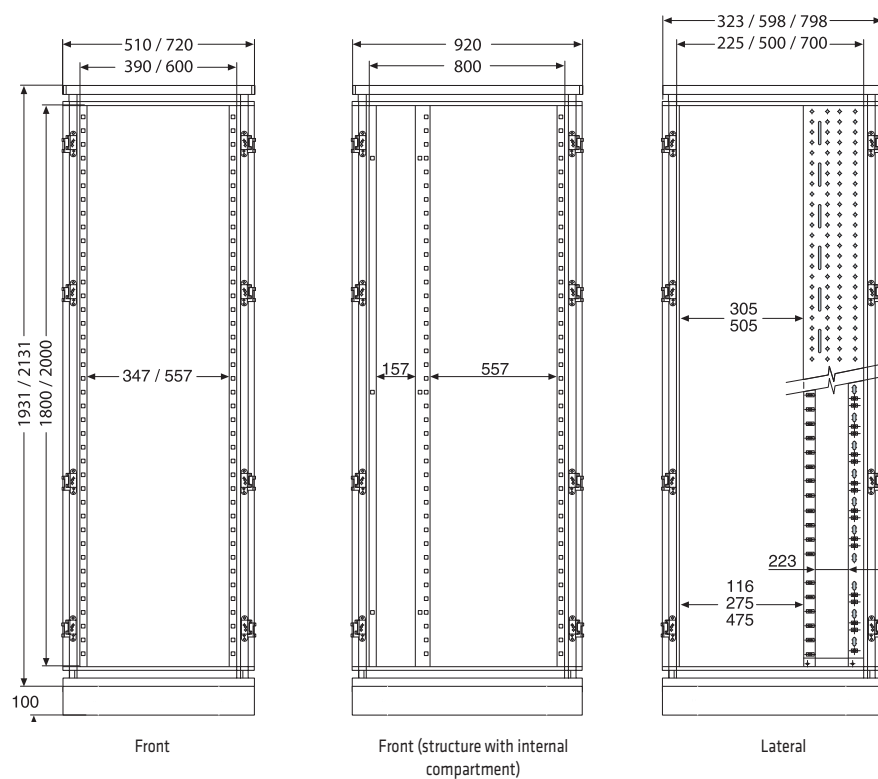
Depth (mm) = $P+K$

B_n = column width n (mm)

28 = overall dimensions of 2 side panels

P = column depth (mm)

$K = \begin{cases} 39 & \text{with solid door} \\ & \text{and rear panel} \\ 66 & \text{with curved glass door} \\ & \text{and rear panel} \\ 103 & \text{with protruding glass door} \\ & \text{and rear panel} \end{cases}$

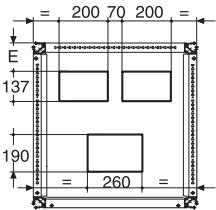
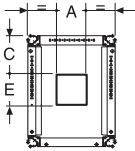


LOW CABLE ENTRY

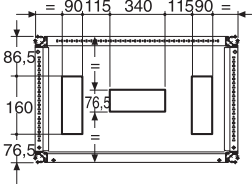
| L (mm) | D (mm) | A (mm) | C (mm) | E (mm) |
|-----------|-----------|-----------|-----------|-----------|
| 400 | 400 | 200 | 108 | 137 |
| 400 | 600 | 320 | 99 | 420 |
| 400 | 800 | 320 | 99 | 620 |
| 600 | 400 | 540 | 123.5 | 75.5 |
| 600 | 600 | | 93 | 163 |
| 600 | 800 | | 123 | 333 |

LxD= 400x400 mm
400x600 mm
400x800 mm
600x400 mm

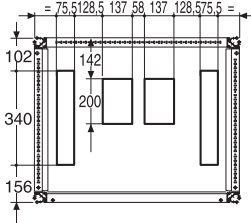
LxD= 600x600 mm
600x800 mm



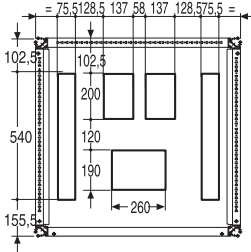
LxD=850x400mm



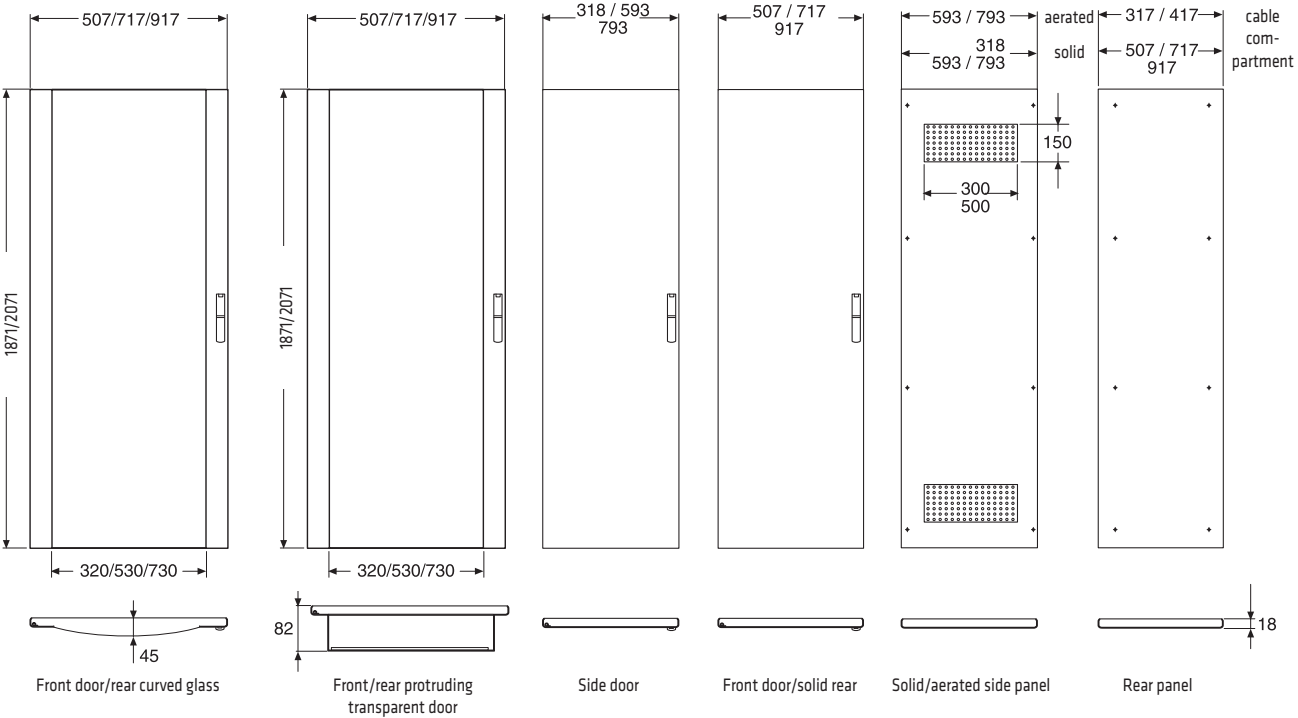
LxD=850x600mm



LxD=850x800mm



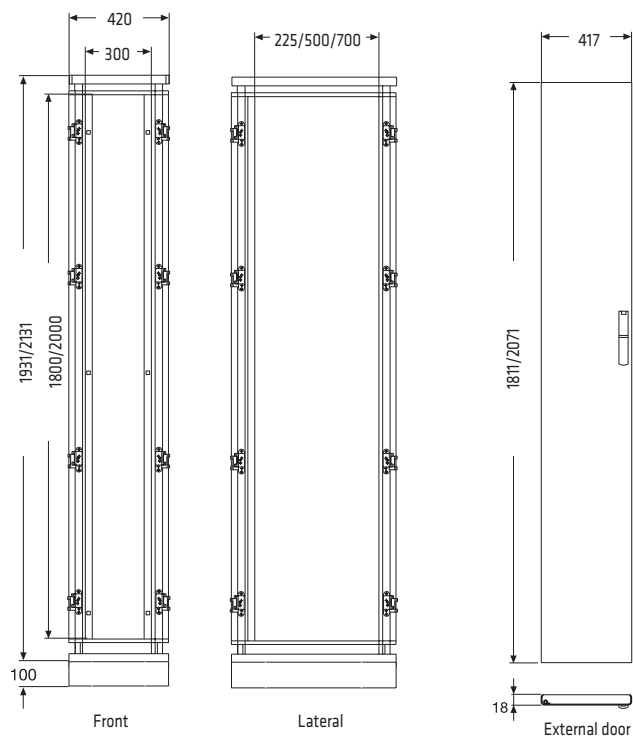
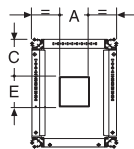
DOORS AND SIDE/REAR PANELS



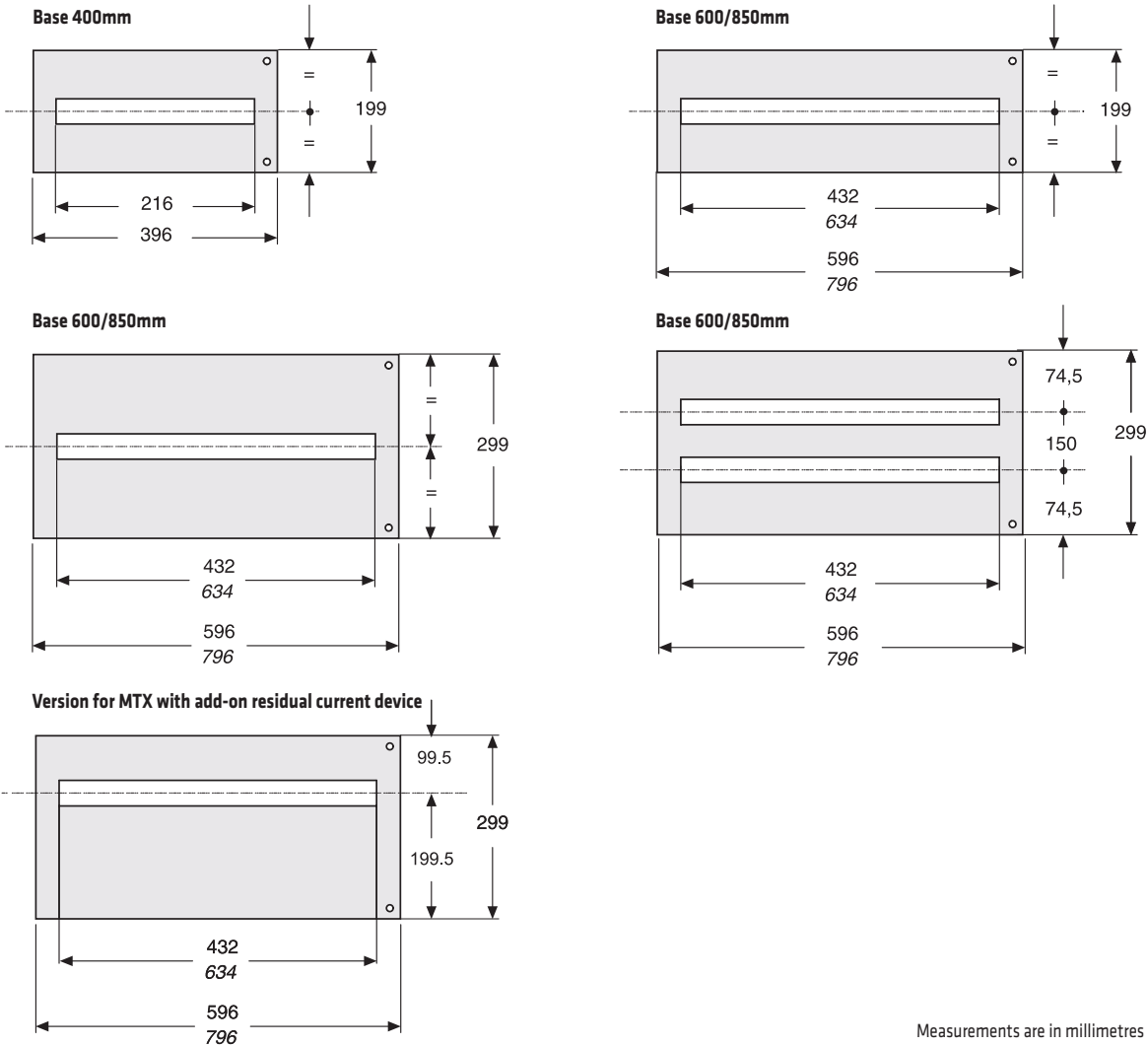
ADDITIONAL EXTERNAL CABLE COMPARTMENT

| B (mm) | P (mm) | A (mm) | C (mm) | E (mm) |
|-----------|-----------|-----------|-----------|-----------|
| 300 | 400 | 200 | 103 | 137 |
| 300 | 600 | 230 | 99 | 420 |
| 300 | 800 | 230 | 99 | 620 |

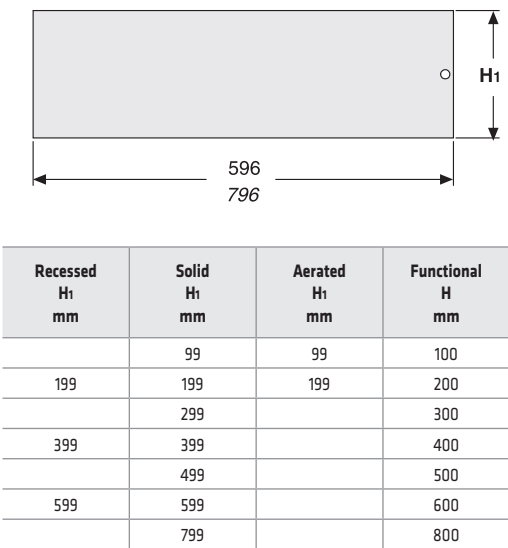
LxD= 300x400 mm
300x600 mm
300x800 mm



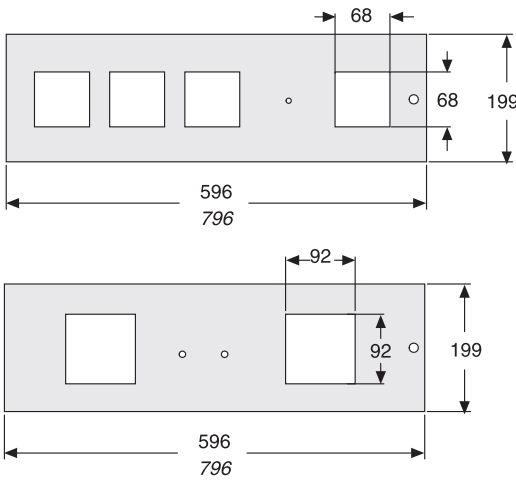
PANELS WITH WINDOWS



SOLID, AERATED AND RECESSED PANELS



INSTRUMENT PANELS



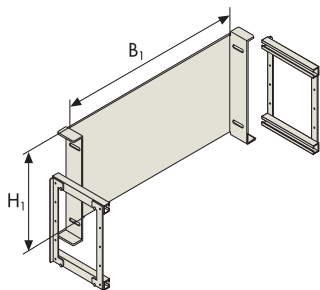
FLAT BACK-MOUNTING PLATES



| Functional H (mm) | Non-separated enclosures | | | | | | Separated enclosures | | | | | |
|-------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------------|----------------|----------------|----------------|----------------|----------------|
| | L=400mm | | L=600mm | | L=850mm | | L=400mm | | L=600mm | | L=850mm | |
| | H ₁ | L ₁ | H ₁ | L ₁ | H ₁ | L ₁ | H ₁ | L ₁ | H ₁ | L ₁ | H ₁ | L ₁ |
| 200 | 184 | 284 | 184 | 440 | 184 | 640 | 190 | 374 | 190 | 584 | 190 | 784 |
| 300 | - | - | 234 | 450 | 234 | 650 | - | - | 290 | 584 | 290 | 784 |
| 400 | - | - | 384 | 440 | 384 | 640 | - | - | 390 | 584 | 390 | 784 |
| 600 | - | - | 584 | 470 | 584 | 670 | - | - | 590 | 584 | 590 | 784 |
| 800 | - | - | - | - | - | - | - | - | 790 | 584 | 790 | 784 |

The usable H₁ and L₁ dimensions are expressed in millimetres

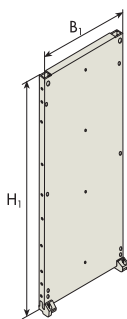
RECESSED BACK-MOUNTING PLATES



| Functional H (mm) | Non-separated enclosures | | | | | | Separated enclosures | | | |
|-------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------------|----------------|----------------|----------------|
| | L=400mm | | L=600mm | | L=850mm | | L=400mm | | L=600mm | |
| | H ₁ | L ₁ | H ₁ | L ₁ | H ₁ | L ₁ | H ₁ | L ₁ | H ₁ | L ₁ |
| 200 | - | - | 180 | 526 | 180 | 726 | - | - | - | - |
| 400 | - | - | 257 | 526 | 257 | 726 | - | - | - | - |
| 600 | - | - | 400 | 526 | 400 | 726 | - | - | - | - |

The usable H₁ and L₁ dimensions are expressed in millimetres

FULL-HEIGHT BACK-MOUNTING PLATES

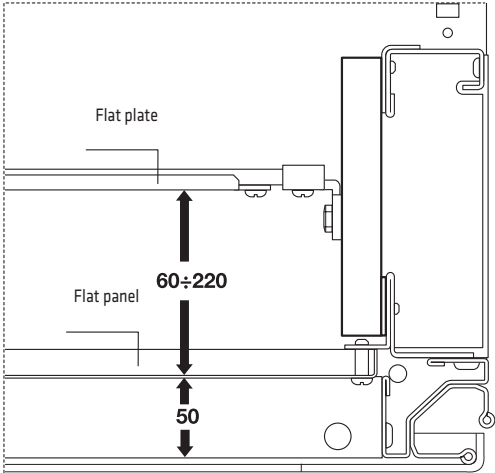


| Functional H (mm) | H ₁ | L ₁ | Code |
|-------------------|----------------|----------------|-----------|
| 1800 | 1776 | 580 | GW 49 828 |
| 1800 | 1776 | 780 | GW 49 830 |
| 2000 | 1966 | 580 | GW 49 829 |
| 2000 | 1966 | 780 | GW 49 831 |

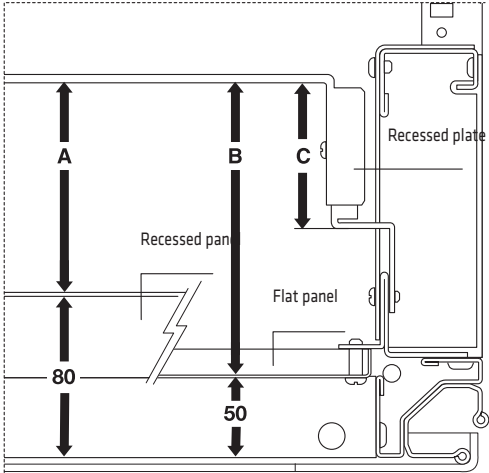
The usable H₁ and L₁ dimensions are expressed in millimetres

BACK-MOUNTING PLATE ADJUSTMENT

Flat back-mounting plate adjustment

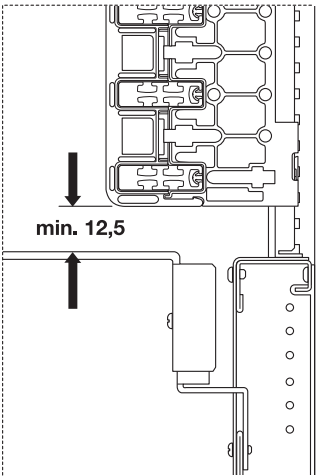


Recessed back-mounting plate adjustment

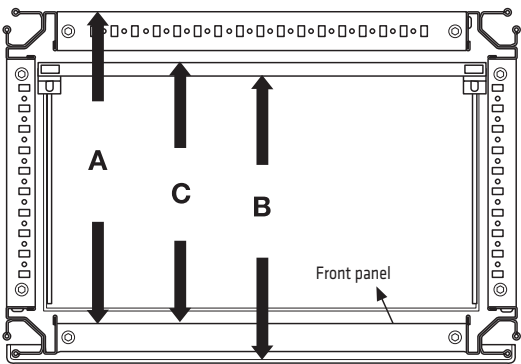


| Depth D (mm) | Recessed plate H (mm) | A (mm) | B (mm) | C (mm) |
|--------------|-----------------------|---------|---------|--------|
| 400 | 200 | 45±200 | 75±230 | 28 |
| | 400 | 110±220 | 140±250 | 95 |
| 600/800 | 200 | 45±200 | 75±230 | 28 |
| | 400 | 110±270 | 140±300 | 95 |
| | 600 | 250±380 | 280±410 | 240 |

Minimum distance between back-mounting plates and busbar holder



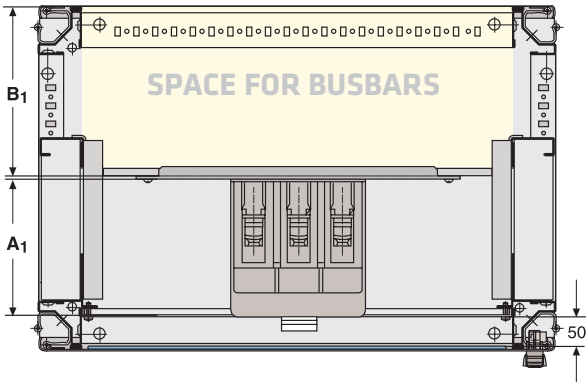
Full-height back-mounting plate adjustment



| Depth D (mm) | Maximum values | | |
|--------------|----------------|--------|--------|
| | A (mm) | B (mm) | C (mm) |
| 400 | 300 | 290 | 240 |
| 600 | 575 | 565 | 515 |
| 800 | 775 | 765 | 715 |

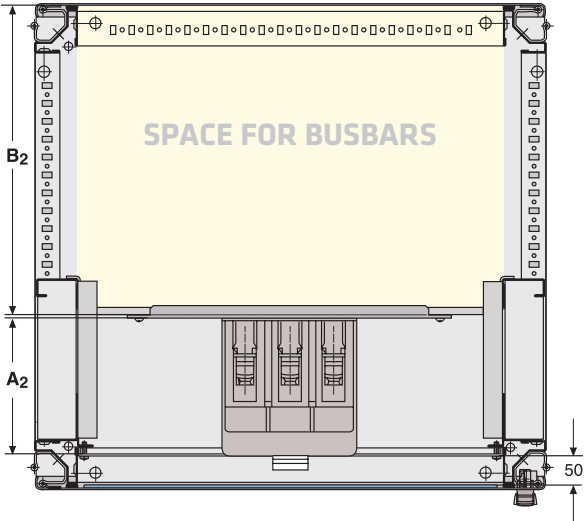
SPACE AVAILABLE FOR BUSBARS

Depth 400mm



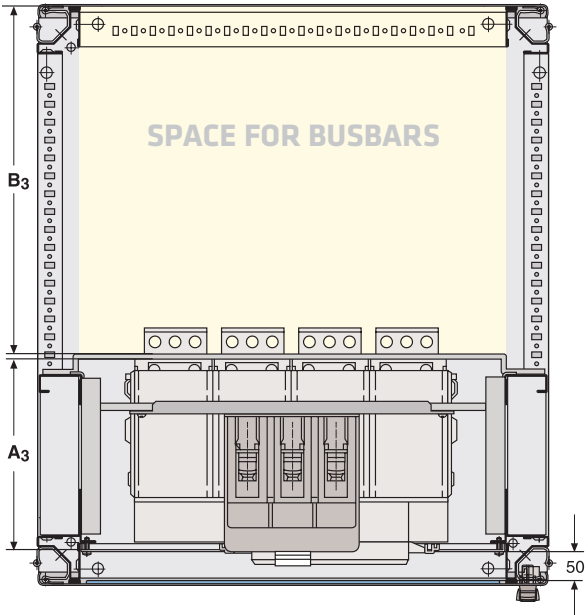
| | Fixed | | Plug-in | | Withdrawable | |
|--------------------------------------|-------|-----|---------|-----|--------------|-----|
| | A1 | B1 | A1 | B1 | A1 | B1 |
| MTX/M 160c-MTX/E 160-MTX/M 250 | 78 | 221 | 149 | 150 | - | - |
| MTX/E/M 320-MTX/E/M 630-MTX/E/M 1000 | 107 | 192 | 156 | 143 | 190 | 109 |

Depth 600mm



| | Fixed | | Plug-in | | Withdrawable | |
|--------------------------------------|-------|-----|---------|-----|--------------|-----|
| | A2 | B2 | A2 | B2 | A2 | B2 |
| MTX/M 160c-MTX/E 160-MTX/M 250 | 78 | 496 | 149 | 386 | - | - |
| MTX/E/M 320-MTX/E/M 630-MTX/E/M 1000 | 107 | 467 | 156 | 418 | 190 | 384 |
| MTSE/M 1600 | 146 | 428 | - | - | 241 | 340 |

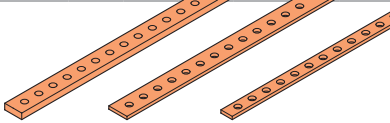
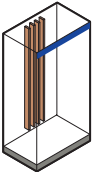
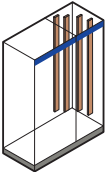
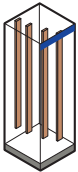












Depth 800mm



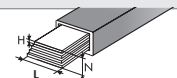
| | Fixed | | Plug-in | | Withdrawable | |
|--------------------------------------|-------|-----|---------|-----|--------------|-----|
| | A3 | B3 | A3 | B3 | A3 | B3 |
| MTX/M 160c-MTX/E 160-MTX/M 250 | 78 | 696 | 149 | 626 | - | - |
| MTX/E/M 320-MTX/E/M 630-MTX/E/M 1000 | 107 | 667 | 156 | 618 | 190 | 584 |
| MTSE/M 1600 | 146 | 628 | - | - | 241 | 540 |

47 BUSBAR

Selection tables

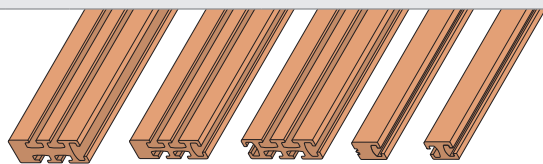
| FLAT BUSBAR SYSTEM - CVX 630 K DISTRIBUTION BOARD | | | | | | | | | | | | | | | |
|---|----------|---|---------------------------|----------------------|---|------|------|------|------|------|------|---|-------------|---|-------------------------------|
|  | | | | | | | | | | | | BUSBAR HOLDER WITH CROSSPIECE (1 CODE = 2 PIECES) | | | |
| BUSBAR (1 CODE= 2 PIECES) | | | | | CENTRE DISTANCE | | | | | | |  | |   | |
| Capacity (A) depending on IP rating | | | | | Maximum centre distance between busbar holders (mm) depending on max.lcc (kA) | | | | | | | | | | |
| IP 30 | IP 40/43 | Code | Cross-section LxH (mm) | N. bars per phase | Type | 6kA | 10kA | 16kA | 20kA | 25kA | 35kA | B=600 mm(1) | B=850 mm(1) | Internal cable compartment | External cable compartment |
| 325 | 250 |  GW 45 551 (1000 mm) GW 45 555 (1750 mm) | 20x5 | 1 |  | 1000 | 1000 | 600 | 200 | 200 | - | GW 45 563 | GW 45 563 | - | - |
| | | | | |  | 700 | 400 | 250 | 150 | - | - | - | - | GW 45 561 | - |
| | | | | |  | 800 | 500 | 250 | 100 | 100 | - | - | - | - | GW 45 562 |
| 530 | 400 |  GW 45 552 (1000 mm) GW 45 556 (1750 mm) | 25x6 | 1 |  | 700 | 400 | 250 | 150 | - | - | - | - | GW 45 561 | - |
| 530 | 400 |  GW 45 553 (1000 mm) GW 45 557 (1750 mm) | 30x5 | 1 |  | 1000 | 1000 | 600 | 600 | 500 | 200 | GW 45 563 | GW 45 563 | - | - |
| | | | | |  | 1000 | 600 | 250 | 100 | 100 | - | - | - | - | GW 45 562 |
| 770 | 630 |  GW 45 554 (1000 mm) GW 45 558 (1750 mm) | 30x10 | 1 |  | 1000 | 1000 | 600 | 600 | 500 | 200 | GW 45 563 | GW 45 563 | - | - |
| | | | | |  | 1000 | 700 | 250 | 100 | 100 | - | - | - | - | GW 45 562 |

(1) Only form 1

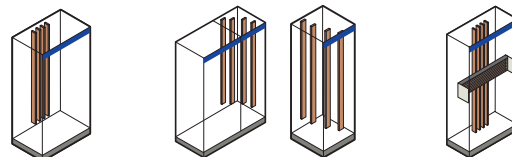
| FLEXIBLE STRAPS | | | | | | | | | | |
|-------------------------------------|---------------|------------------|-------|--------------------|-------|-------|--------------------------------|--|---------------------|-------------|
| Capacity (A) depending on IP rating | | | | | | | Code (1 code= 2 pieces)* |  Dimensions | | |
| CVX 630 K boards | | CVX 630 M boards | | CVX 1600 enclosure | | | | NxLxH (mm) | Cross-section (mm²) | Length (mm) |
| IP 30 | IP 40 / IP 43 | IP 30 | IP 55 | IP 31 | IP 41 | IP 65 | | | | |
| 212 | 191 | 212 | 160 | 212 | 191 | 160 | GW 47 651 | 2x15,5x0,8 | 24,8 | 2000 |
| 395 | 323 | 395 | 250 | 395 | 323 | 250 | GW 47 652 | 3x20x1 | 60 | 2000 |
| 498 | 460 | 498 | 400 | 498 | 460 | 400 | GW 47 653 | 5x20x1 | 100 | 2000 |
| 758 | 702 | 758 | 630 | 758 | 702 | 630 | GW 47 654 | 5x32x1 | 160 | 2000 |
| - | - | - | - | 1203 | 1140 | 1000 | GW 47 655 | 8x40x1 | 320 | 2000 |
| - | - | - | - | 1650 | 1525 | 1250 | GW 47 656 | 10x50x1 | 500 | 2000 |







* except for GW 47 651

SHAPED CONTINUOUS PROFILE BUSBAR SYSTEM - CVX 630 M DISTRIBUTION BOARD



BUSBAR HOLDER WITH CROSSPIECE (1 CODE = 2 PIECES)



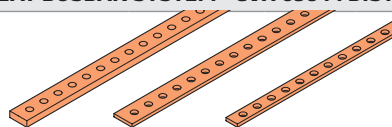
| BUSBAR (1 CODE= 1 PIECE) | | | | | BUSBAR HOLDER (1 CODE= 1 PIECE) | | | | | | | | |
|---|-------|---|---------------------------|----------------------|---|------|------|-------------|-----------------------------------|----------------------------------|----------------------------------|-----------|------------------|
| Capacity (A) depending on IP rating | | Code | Cross-section LxH (mm) | N. bars per phase | Maximum centre distance D (mm) depending on max.lcc (kA) | | | | Direct connection to GWFIX 400 | | | | |
| IP 30 | IP 55 | | | | Type | 25kA | 35kA | B=600 mm(1) | B=850 mm(1) (*) | Internal cable compartment | External cable compartment | L= 600 mm | L=850 mm (**) |
| 630 | 400 |  | 20x20 | 1 |  | 550 | 425 | GW 45 577 | GW 45 578 | - | - | GW 45 579 | GW 45 580 |
| | | | | |  | 550 | 425 | - | - | GW 45 575 | GW 45 576 | - | - |
| 970 | 800 |  | 20x20 | 1 |  | 550 | 425 | GW 45 577 | GW 45 578 | - | - | GW 45 579 | GW 45 580 |
| | | | | |  | 550 | 425 | - | - | GW 45 575 | GW 45 576 | - | - |

(*) In structure L=850mm with internal cable compartment, use the GW 45 577 crosspieces for busbar systems on the bottom of the device compartment L=600mm.

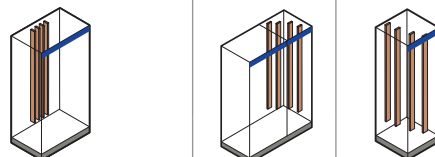
(**) In structure L=850mm with internal cable compartment, use the GW 45 579 crosspieces for busbar systems on the bottom of the device compartment L=600mm.
















(1) Only form 1

FLAT BUSBAR SYSTEM - CVX 630 M DISTRIBUTION BOARD



BUSBAR HOLDER WITH CROSSPIECE (1 CODE = 2 PIECES)

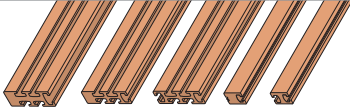
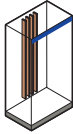
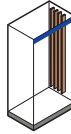






















| BUSBAR (1 code = 2 pieces) | | | | | CENTRE DISTANCE | | | | | | |  | |  | |  | |
|---|-------|---|---------------------------|--|---|------|------|------|------|------|------|---|----------------|---|-------------------------------|---|--|
| Capacity (A) depending on IP rating | | | | Maximum centre distance between busbar holders (mm) depending on max.lcc (kA) | | | | | | | | | | | | | |
| IP 30 | IP 55 | Code | Cross-section LxH (mm) | N. bars per phase | Type | 6kA | 10kA | 16kA | 20kA | 25kA | 35kA | B=600 mm(1) | B=850 mm(1)(*) | Internal cable com- partment | External cable compartment | | |
| 325 | 250 |  GW 45 551 (1000 mm) GW 45 555 (1750 mm) | 20x5 | 1 |  | 1000 | 1000 | 600 | 200 | 200 | - | GW 45 573 | GW 45 574 | - | - | | |
| | |  | | | 700 | 400 | 250 | 150 | - | - | - | - | GW 45 561 | - | | | |
| | |  | | | 800 | 500 | 250 | 100 | 100 | - | - | - | - | GW 45 562 | | | |
| 530 | 400 |  GW 45 552 (1000 mm) GW 45 556 (1750 mm) | 25x6 | 1 |  | 700 | 400 | 250 | 150 | - | - | - | - | GW 45 561 | - | | |
| 530 | 400 |  GW 45 553 (1000 mm) GW 45 557 (1750 mm) | 30x5 | 1 |  | 1000 | 1000 | 600 | 600 | 500 | 200 | GW 45 573 | GW 45 574 | - | - | | |
| | | | | |  | 1000 | 600 | 250 | 100 | 100 | - | - | - | - | GW 45 562 | | |
| 770 | 630 |  GW 45 554 (1000 mm) GW 45 558 (1750 mm) | 30x10 | 1 |  | 1000 | 1000 | 600 | 600 | 500 | 200 | GW 45 573 | GW 45 574 | - | - | | |
| | | | | |  | 1000 | 700 | 250 | 100 | 100 | - | - | - | - | GW 45 562 | | |

(*) In structure L=850mm with internal cable compartment, use the GW 45 573 crosspieces for busbar systems on the bottom of the device compartment L=600mm.

(1) Only form 1

47 BUSBAR

| SHAPED CONTINUOUS PROFILE BUSBAR SYSTEM - CVX 1600 DISTRIBUTION CABINETS | | | | | | | | | | | | | | | | | | |
|---|-------|-------|---|---------------------------|----------------------------------|---|------|------|------|------|------------------------------------|---|------------------|------------------|------------------|---|-----------|-----------|
|  | | | | | | | | | | | | FIXING CROSSPIECES (1 CODE = 2 PIECES) | | | | | | |
| BUSBAR (1 CODE = 1 PIECE) | | | | | BUSBAR HOLDER (1 CODE = 1 PIECE) | | | | | | |  | | | |  | | |
| Capacity (A) depending on IP rating | | | | | | Maximum centre distance D (mm) depending on max.lcc (kA) | | | | | Min. structure depth (mm) | | | | | Non-separated enclosure | | |
| IP 31 | IP 41 | IP 65 | Code | Cross-section LxH (mm) | N. bars per phase | Code | 25kA | 35kA | 50kA | 65kA | 75kA | | (2) L= 400 mm | (2) L= 600 mm | (2) L= 850 mm | External cable compartment | D= 600 mm | D= 800 mm |
| 630 | 520 | 400 |  | 20x20 | 1 |  GW 49 658 | 550 | 425 | - | - | - | 400 | GW 49 701 | GW 49 702 | GW 49 703 | - | GW 49 708 | - |
| | | | | | |  GW 49 659 + GW 49 675 (*) | 550 | 550 | - | - | - | 600 | GW 49 704 | GW 49 705 | GW 49 706 | | | GW 49 715 |
| | | | | | |  GW 49 660 + GW 49 675 (*) | 550 | 550 | - | - | - | 600 | | | | | | GW 49 713 |
| | | | | | |  GW 49 656 | 550 | 425 | - | - | - | 400 | GW 49 701 | - | - | GW 49 708 | - | |
| | | | | | |  GW 49 657 + GW 49 675 (*) | 550 | 550 | - | - | - | 800 | GW 49 704 | | | | GW 49 715 | |
| 970 | 830 | 800 |  | 20x20 | 1 |  GW 49 658 | 550 | 425 | - | - | - | 400 | GW 49 701 | GW 49 702 | GW 49 703 | - | GW 49 708 | - |
| | | | | | |  GW 49 659 + GW 49 675 (*) | 550 | 550 | - | - | - | 600 | GW 49 704 | GW 49 705 | GW 49 706 | | | GW 49 715 |
| | | | | | |  GW 49 660 + GW 49 675 (*) | 550 | 550 | - | - | - | 600 | | | | | | GW 49 713 |
| | | | | | |  GW 49 656 | 550 | 425 | - | - | - | 400 | GW 49 701 | - | - | GW 49 708 | - | |
| | | | | | |  GW 49 657 + GW 49 675 (*) | 550 | 550 | - | - | - | 800 | GW 49 704 | | | | GW 49 715 | |
| 1400 | 1330 | 1250 |  | 20x60 | 1 |  GW 49 659 | 550 | 550 | 425 | 275 | 225 | 600 | GW 49 704 | GW 49 705 | GW 49 706 | - | - | GW 49 715 |
| | | | | | |  GW 49 660 | 550 | 425 | 350 | 225 | - | 600 | | | | GW 49 713 | | |
| | | | | | |  GW 49 657 | 550 | 550 | 425 | 275 | 250 | 800 | | - | - | GW 49 708 | - | |
| 1820 | 1710 | 1600 |  | 20x60 | 1 |  GW 49 659 | 550 | 550 | 425 | 275 | 200 | 600 | GW 49 704 | GW 49 705 | GW 49 706 | - | - | GW 49 715 |
| | | | | | |  GW 49 660 | 550 | 550 | 350 | 225 | - | 600 | | | | GW 49 713 | | |
| | | | | | |  GW 49 657 | 550 | 550 | 425 | 275 | 250 | 800 | | - | - | GW 49 708 | - | |

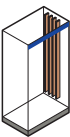
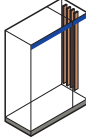
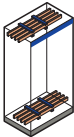
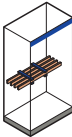

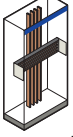
Note: the yellow arrows indicate an example of choice of codes relating to the bar system to be constructed (busbar, fixing crosspieces and busbar holders).

(*) Adapter for busbar-holder (1 code= 4 pieces)

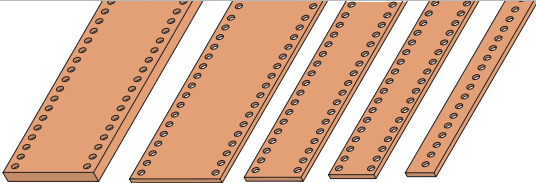
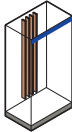







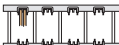

(1) installation only on external compartment.

(2) up to Form 2.

FIXING CROSSPIECES (1 CODE = 2 PIECES)

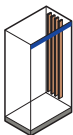
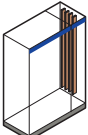
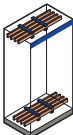
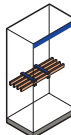
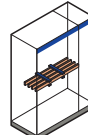
|  | |  | | |  | |   | | | |  | | | | |
|---|-----------|---|---------------|-----------|---|-----------|--|-----------|-----------|------------|---|--------------------------------|-----------|---|-----------|
| Separated enclosure | | Internal/external compartment | | | | | Position A | | | Position B | | Direct connection to GWFIX 400 | | | |
| D= 600 mm | D= 800 mm | D= 400 mm | D= 600 mm | D= 800 mm | D= 600 mm | D= 800 mm | L= 400 mm | L= 600 mm | L= 850 mm | D= 600 mm | D= 800 mm | L= 600 mm | L= 850 mm | | |
| - | - | - | - | - | - | - | - | - | - | - | - | GW 49 717 | GW 49 718 | | |
| | GW 49 716 | | GW 49 711 | GW 49 712 | | GW 49 720 | GW 49 721 | GW 49 722 | GW 49 723 | | GW 49 725 | - | - | | |
| GW 49 714 | | | | | GW 49 711 | | | | GW 49 724 | | | | | | |
| - | - | GW 49 710 | - | - | - | - | - | - | - | - | - | - | - | | |
| | GW 49 716 | - | GW 49 711 (1) | GW 49 712 | | - | - | - | - | | - | | | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | GW 49 717 | GW 49 718 | | |
| | GW 49 716 | | GW 49 711 | GW 49 712 | | GW 49 720 | GW 49 721 | GW 49 722 | GW 49 723 | | GW 49 725 | GW 49 724 | - | - | |
| GW 49 714 | | | | | GW 49 711 | | | | | | | | | | |
| - | - | GW 49 710 | - | - | - | - | - | - | - | - | - | - | - | | |
| | GW 49 716 | - | GW 49 711 (1) | GW 49 712 | | - | - | - | - | | - | | | - | |
| - | GW 49 716 | - | GW 49 711 | GW 49 712 | - | GW 49 720 | GW 49 721 | GW 49 722 | GW 49 723 | - | GW 49 725 | - | - | | |
| GW 49 714 | | | | | | | | | | GW 49 711 | | | | | GW 49 724 |
| - | | | | | GW 49 711 (1) | | | | | - | | | | - | - |
| - | GW 49 716 | - | GW 49 711 | GW 49 712 | - | GW 49 720 | GW 49 721 | GW 49 722 | GW 49 723 | - | GW 49 725 | - | - | | |
| GW 49 714 | | | | | | | | | | GW 49 711 | | | | | GW 49 724 |
| - | | | | | GW 49 711 (1) | | | | | - | | | | - | - |
| - | GW 49 716 | - | GW 49 711 | GW 49 712 | - | GW 49 720 | GW 49 721 | GW 49 722 | GW 49 723 | - | GW 49 725 | - | - | | |
| GW 49 714 | | | | | | | | | | GW 49 711 | | | | | GW 49 724 |
| - | | | | | GW 49 711 (1) | | | | | - | | | | - | - |

47 BUSBAR

| FLAT BUSBAR SYSTEM - CVX 1600 DISTRIBUTION CABINETS | | | | | | | | | | | | | | | | | | | | |
|---|-------|-------|--|-------------|----------------------|--|------|------|-----|------|------|-----|-----|-----|---|------------------|------------------|--|--|--|
|  | | | | | | | | | | | | | | |  | | | | | |
| BUSBAR (1 CODE = 2 PIECES) | | | | | | BUSBAR HOLDER (1 CODE = 2 PIECES) | | | | | | | | | | | | | | |
| Capacity (A) depending on IP rating | | | | | | Maximum centre distance D (mm) depending on max.lcc (kA) | | | | | | | | | | | | | | |
| IP 31 | IP 41 | IP 65 | Code | LxH (mm) | N. bars per phase | Code | 6 | 10 | 16 | 25 | 35 | 50 | 75 | 100 | Min. structure depth (mm) | (2) L= 600 mm | (2) L= 850 mm | | | |
| 530 | 490 | 400 |  GW 47 637 | 32x5 | 1 |  GW 49 670 | 1000 | 1000 | 700 | 300 | 225 | - | - | - | 600 | GW 49 731 | GW 49 732 | | | |
| 772 | 695 | 630 |  GW 49 677 | 50x5 | 1 | | 1000 | 1000 | 700 | 375 | 275 | 225 | - | - | 600 | GW 49 731 | GW 49 732 | | | |
| 951 | 863 | 800 |  GW 49 678 | 63x5 | 1 | | - | 1000 | 700 | 425 | 300 | 225 | - | - | 600 | GW 49 731 | GW 49 732 | | | |
| 1431 | 1347 | 1250 |  GW 49 679 | 100x5 | 1 | | - | - | 700 | 500 | 375 | 250 | - | - | 600 | GW 49 731 | GW 49 732 | | | |
| 1836 | 1710 | 1600 |  GW 49 680 | 100x10 | 1 |  GW 49 671 | - | - | - | 1000 | 1000 | 600 | 375 | 225 | 600 | GW 49 731 | GW 49 732 | | | |
| 3056 | 2700 | 2500 | | 100x10 | 2 |  GW 49 672 | - | - | - | 1000 | 1000 | 900 | 400 | 225 | 800 | GW 49 731 | GW 49 732 | | | |
| 4018 | 3600 | 3200 | | 100x10 | 3 |  GW 49 676 | - | - | - | 1000 | 1000 | 800 | 400 | 225 | 800 | GW 49 731 | GW 49 732 | | | |







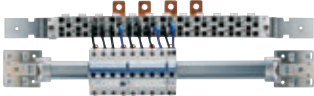


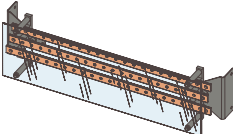
Note: the yellow arrows indicate an example of choice of codes relating to the bar system to be constructed (busbar, fixing crosspieces and busbar holders).
(2) Up to Form 2

FIXING CROSSPIECES (1 CODE = 2 PIECES)

|  | |  | |  | |  | |  | |  | | | |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|-----------|-----------|
| | | | | | | | | | | | | | |
| Non-separated enclosure | | Separated enclosure | | Internal/external compartment | | Non-separated enclosure | | Separated enclosure | | Internal/external compartment | | | |
| D= 600 mm | D= 800 mm | D= 600 mm | D= 800 mm | D= 600 mm | D= 800 mm | D= 600 mm | D= 800 mm | D= 600 mm | D= 800 mm | D= 600 mm | D= 800 mm | D= 600 mm | D= 800 mm |
| GW 49 733 | GW 49 734 | GW 49 735 | GW 49 736 | GW 49 737 | GW 49 738 | GW 49 749 | GW 49 720 | GW 49 741 | GW 49 742 | GW 49 743 | GW 49 744 | GW 49 739 | GW 49 740 |
| GW 49 733 | GW 49 734 | GW 49 735 | GW 49 736 | GW 49 737 | GW 49 738 | GW 49 749 | GW 49 720 | GW 49 741 | GW 49 742 | GW 49 743 | GW 49 744 | GW 49 739 | GW 49 740 |
| GW 49 733 | GW 49 734 | GW 49 735 | GW 49 736 | GW 49 737 | GW 49 738 | GW 49 749 | GW 49 720 | GW 49 741 | GW 49 742 | GW 49 743 | GW 49 744 | GW 49 739 | GW 49 740 |
| GW 49 733 | GW 49 734 | GW 49 735 | GW 49 736 | GW 49 737 | GW 49 738 | GW 49 749 | GW 49 720 | GW 49 741 | GW 49 742 | GW 49 743 | GW 49 744 | GW 49 739 | GW 49 740 |
| GW 49 733 | GW 49 734 | GW 49 735 | GW 49 736 | GW 49 737 | GW 49 738 | GW 49 749 | GW 49 720 | GW 49 741 | GW 49 742 | GW 49 743 | GW 49 744 | GW 49 739 | GW 49 740 |
| - | GW 49 734 | - | GW 49 736 | - | GW 49 738 | - | GW 49 720 | - | GW 49 742 | - | GW 49 744 | - | GW 49 740 |
| - | GW 49 734 | - | GW 49 736 | - | GW 49 738 | - | GW 49 720 | - | GW 49 742 | - | GW 49 744 | - | GW 49 740 |

47 BUSBAR

COMPATIBILITY OF GWFIX SYSTEMS AND TERMINAL BLOCKS WITH 47 CVX RANGE DISTRIBUTION BOARDS

| | CVX distribution boards | | | | |
|---|--|---|---|--|---|
| |  CVX 160 I Flush-mounting distribution boards |  CVX 160 E Wall-mounting distribution boards |  CVX 630 K Wall- and floor-mounting distribution boards |  CVX 630 M Wall- and floor-mounting distribution boards |  CVX 1600 Floor-mounting distribution cabinets |
| Quick divider GWFIX distribution system | | | | | |
|  GWFIX 100 | * | * | * | * | * |
|  GWFIX 250 | | * | * | * | * |
|  GWFIX 400 | | | | * | * |
| Distribution terminal blocks | | | | | |
|  Modular 1P/2P/3P/4P 100A 125A 160A 250A | * | * | * | * | * |
|  4P on functional frame or plate | | | * | * | * |

47 BUSBAR

Distribution systems for distribution boards

The 47 BUSBAR range, in addition to flat and shaped bar distribution systems, consists of three different quick wiring divider systems (GWFIX 100 quick divider up to 100 A, GWFIX 250 quick divider up to 250 A and GWFIX 400 quick divider up to 400 A) that allow to minimize labour time.



Technical characteristics page 966

GWFIX QUICK DIVIDER SYSTEMS

GWFIX 100 - QUICK DIVIDER 100A FOR MODULAR DEVICES



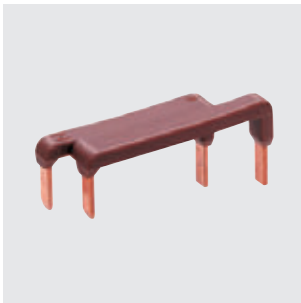
GW 49 768

GWFIX 100 - BAR FRAMES 100A FOR QUICK COUPLING CONNECTIONS FOR THE POWER SUPPLIES OF MODULAR DEVICES

| Code | No. of modules EN 50022 | Pack Carton |
|---------------------------------------|----------------------------|----------------|
| Busbars: 100 A 2P (L1/Neutral) | | |
| GW 49 762 | 12 | 1/6 |
| GW 49 763 | 18 | 1/6 |
| GW 49 764 | 24 | 1/6 |
| Busbars: 100 A 4P | | |
| GW 49 766 | 12 | 1/6 |
| GW 49 767 | 18 | 1/6 |
| GW 49 768 | 24 | 1/6 |
| GW 49 769 | 36 | 1/6 |

CHARACTERISTICS: fixed quick connection on the rear of the double DIN rail.

NOTE: possibility to combine two 12-module bars on a single 24-module DIN rail.



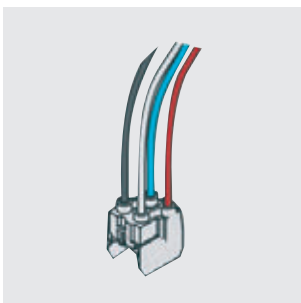
GW 49 776

GWFIX 100 - QUICK COUPLING CONNECTIONS DEVICES

| Code | Description | Type | Colour | Suitable for | Pack Carton |
|----------------------------|-------------------|------------------|--------|-----------------|----------------|
| Rated current: 40 A | | | | | |
| GW 49 776 | N. 10 connections | L1/Neutral | Brown | MTC (1P+N/2P) | 1/6 |
| GW 49 777 | N. 10 connections | L2/Neutral | Grey | MTC (1P+N/2P) | 1/6 |
| GW 49 778 | N. 10 connections | L3/Neutral | Black | MTC (1P+N/2P) | 1/6 |
| GW 49 779 | N. 10 connections | L1/L2/L3/Neutral | White | MTC (3P/4P) | 1/6 |
| Rated current: 63 A | | | | | |
| GW 49 780 | N. 10 connections | L1 | Brown | MDC MT IDP SE | 1/6 |
| GW 49 781 | N. 10 connections | L2 | Grey | MDC MT IDP SE | 1/6 |
| GW 49 782 | N. 10 connections | L3 | Black | MDC MT IDP SE | 1/6 |
| GW 49 783 | N. 10 connections | Neutral | Blue | MDC MT IDP SE | 1/6 |

NOTE: GW49779 connection also suitable for MTC 3P, thanks to the pre-breaking of the neutral.

SE= red lever switch-disconnector.



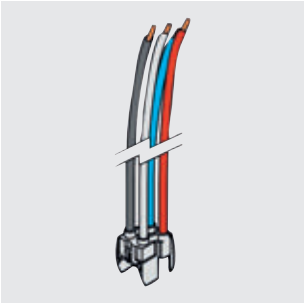
GW 49 775

GWFIX 100 - QUICK COUPLING CONNECTIONS WITH CABLE FOR MODULAR DEVICES

| Code | Description | Type | Suitable for | Modules | Pack Carton |
|----------------------------|-----------------------|------------------|--|---------|----------------|
| Rated current: 16 A | | | | | |
| GW 49 770 | Connection with cable | L1/Neutral | 90 AM Range | 2 | 1/6 |
| GW 49 771 | Connection with cable | L1/L2/L3 | 90 AM Range | 2 | 1/6 |
| GW 49 772 | Connection with cable | L1/L2/L3/Neutral | 90 AM Range | 2 | 1/6 |
| Rated current: 40 A | | | | | |
| GW 49 773 | Connection with cable | L1/Neutral | 90 AM Range MTHP IDP (4P - 3 mod. e type B) SE | 2 | 1/6 |
| GW 49 774 | Connection with cable | L1/L2/L3 | 90 AM Range MTHP SE | 2 | 1/6 |
| GW 49 775 | Connection with cable | L1/L2/L3/Neutral | 90 AM Range MTHP IDP (4P - 3 mod. e type B) SE | 2 | 1/6 |

NOTE: SE= red lever switch-disconnector.

47 BUSBAR

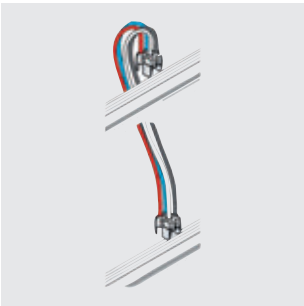


GW 49 784

GWFIX 100 - 4P FEEDER WITH CABLE FOR CONNECTION OF MAIN CIRCUIT BREAKER AND BAR FRAME

| Code | Description | Modules | Pack Carton |
|-----------|-------------|---------|----------------|
| GW 49 784 | L=350 mm | 2 | 1/6 |

NOTE: cable section: 25 mm².

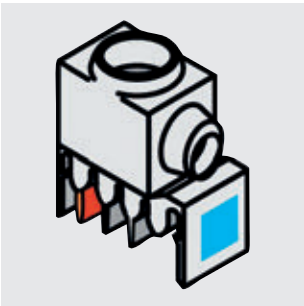


GW 49 788

GWFIX 100 - 4P POWER SUPPLY PARALLEL MODULES WITH CABLE FOR CONNECTION OF TWO BAR FRAMES

| Code | Description | Modules | Pack Carton |
|-----------|-------------|---------|----------------|
| GW 49 788 | L=400 mm | 2 | 1/6 |
| GW 49 789 | L=600 mm | 2 | 1/6 |

NOTE: cable section: 25 mm².

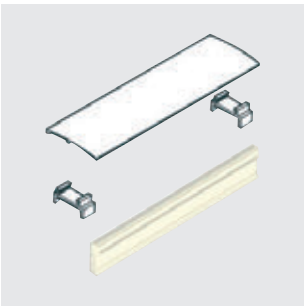


GW 49 795

GWFIX 100 - 1P POWER SUPPLY MODULES WITHOUT CABLE

| Code | Description | Type | Modules | Pack Carton |
|-----------|-------------------|----------------|---------|----------------|
| GW 49 792 | 10 clamps (35mm²) | L1 - Brown | 1 | 1/6 |
| GW 49 793 | 10 clamps (35mm²) | L2 - Grey | 1 | 1/6 |
| GW 49 794 | 10 clamps (35mm²) | L3 - Black | 1 | 1/6 |
| GW 49 795 | 10 clamps (35mm²) | Neutral - Blue | 1 | 1/6 |

CHARACTERISTICS: the single-pole power supply modules are terminals without cable, to plug-in on bar frame, that allow the connection of main circuit breaker with bar frame when the width L>350mm or the connection of two bar frames when width L>600mm or the connection of modular devices when In>63A.

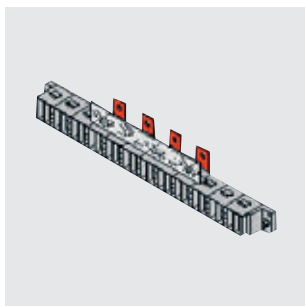


GW 49 797

GWFIX 100 - ACCESSORIES

| Code | Description | Pack Carton |
|-----------|---------------------------|----------------|
| GW 49 797 | N. 10 bar cover - 24 mod. | 1 |
| GW 49 798 | N. 2 bar cover - 36 mod. | 1/6 |

GWFIX 250 - QUICK DIVIDER 250 A FOR MODULAR DEVICES



GW 47 201

GWFIX 250 - 250 A DIVIDER EQUIPPED WITH CONDUCTOR WITH QUICK-COUPLING TERM FOR MODULAR DEVICE POWER SUPPLY

| Code | Max derived current | No. outputs | Modules | For distribution boards | Pack Carton |
|-----------|---------------------|-------------------|---------|-------------------------|-------------|
| GW 47 201 | 63 A | 12 (4P) / 24 (2P) | 24 | CVX 160 E | 1/5 |
| GW 47 202 | 63 A | 12 (4P) / 24 (2P) | 24 | CVX 1600 | 1/5 |
| GW 47 204 | 63 A | 18 (4P) / 36 (2P) | 36 | CVX 1600 | 1/5 |
| GW 47 206 | 63 A | 12 (4P) / 24 (2P) | 24 | CVX 630K / CVX 630M | 1 |
| GW 47 207 | 63 A | 18 (4P) / 36 (2P) | 36 | CVX 630K / CVX 630M | 1 |

ACCESSORIES SUPPLIED: conductors with terminal for quick coupling: length 120mm, nominal section 6mm², rated current In=40A, type H07 VK.
width 24 modules: 12 black conductors, 6 blue conductors; width 36 modules: 18 black conductors, 12 blue conductors.

CHARACTERISTICS: suitable for installation between panels with windows, 200mm pitch.



GW 47 215

GWFIX 250 - QUICK COUPLING TERMINAL FOR FLEXIBLE CABLE

| Code | Suitable for | Pack Carton |
|-----------|----------------------------------|-------------|
| GW 47 215 | cables 1.5 - 2.5 mm ² | 10/100 |
| GW 47 220 | cables 4 - 6 mm ² | 10/100 |



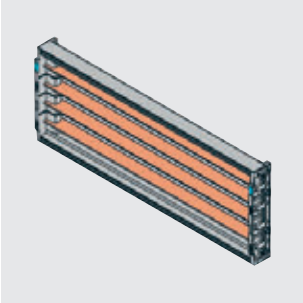
GWFIX 250 - H 07 VK TYPE CONDUCTORS WITH QUICK COUPLING TERMINAL

| Code | Section (mm ²) | Colour | Length (mm) | Pack Carton |
|----------------------------|----------------------------|--------|-------------|-------------|
| Rated current: 40 A | | | | |
| GW 47 211 | 6 | Black | 120 | 10/100 |
| GW 47 213 | 6 | Black | 500 | 10/100 |
| GW 47 226 | 6 | Blue | 120 | 10/100 |
| GW 47 228 | 6 | Blue | 500 | 10/100 |
| Rated current: 63 A | | | | |
| GW 47 231 | 10 | Black | 120 | 10/100 |
| GW 47 233 | 10 | Black | 500 | 10/100 |
| GW 47 246 | 10 | Blue | 120 | 10/100 |
| GW 47 248 | 10 | Blue | 500 | 10/100 |

NOTES: length= 120 mm crimped terminal. Length= 500 mm terminal without stripping.

47 BUSBAR

GWFIX 400 - QUICK DIVIDER FOR MODULAR AND MOULDED CASE DEVICES

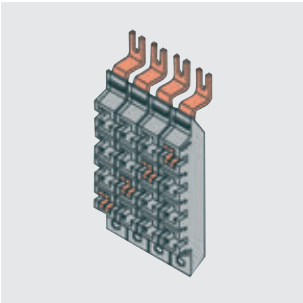


GW 49 601

GWFIX 400 - FOUR-POLE 400A FRAMES TO FIX CONNECTION DEDICATED BASE MODULES OF MODULAR AND MOULDED-CASE DEVICES UP TO 250A

| Code | Description | Section busbars (mm) | Modules | Pack Carton |
|-----------|-----------------|----------------------|---------|-------------|
| GW 49 601 | Frame with bars | 25x5 | 24 | 1 |
| GW 49 602 | Frame with bars | 25x5 | 36 | 1 |

NOTES: allows power supply of up to 400 A with special power supply module and installation of devices by means of the relevant standard modules.

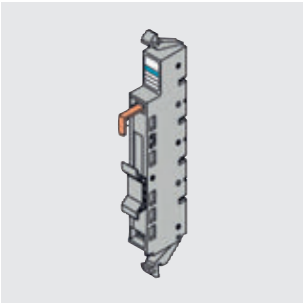


GW 49 603

GWFIX 400 - POWER SUPPLY MODULE

| Code | Description | Pack Carton |
|-----------|----------------|-------------|
| GW 49 603 | Module 4P 400A | 1 |

NOTES: connection by pliers for input of four-pole framework from shaped or flat bar system.
The power supplier module also allows the direct connection of the GWFIX 400 system to the bar system located on the bottom of the distribution board.

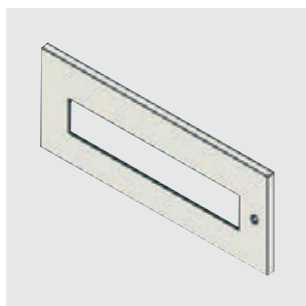


GW 49 627

GWFIX 400 - BASE MODULES FOR MODULAR AND MOULD-CASE DEVICES

| Code | Description | Suitable for | Pack Carton |
|-------------------------------|--------------------|--------------|-------------|
| Rated current (A): 100 | | | |
| GW 49 627 | L1 high with cable | MTHP - SE | 1/12 |
| GW 49 628 | L2 high with cable | MTHP - SE | 1/12 |
| GW 49 629 | L3 high with cable | MTHP - SE | 1/12 |
| GW 49 630 | N high with cable | MTHP - SE | 1/12 |
| Rated current (A): 160 | | | |
| GW 49 151 | L1 high - L2 low | MTX/M 160c | 1/12 |
| GW 49 152 | L2 high - L1 low | MTX/M 160c | 1/12 |
| GW 49 153 | L3 high - N low | MTX/M 160c | 1/12 |
| GW 49 154 | N high - L3 low | MTX/M 160c | 1/12 |
| GW 49 156 | L1 high - L2 low | MTX/E 160 | 1/12 |
| GW 49 157 | L2 high - L1 low | MTX/E 160 | 1/12 |
| GW 49 158 | L3 high - N low | MTX/E 160 | 1/12 |
| GW 49 159 | N high - L3 low | MTX/E 160 | 1/12 |
| Rated current (A): 250 | | | |
| GW 49 171 | L1 high | MTX/M 250 | 1/12 |
| GW 49 172 | L2 high | MTX/M 250 | 1/12 |
| GW 49 173 | L3 high | MTX/M 250 | 1/12 |
| GW 49 174 | N high | MTX/M 250 | 1/12 |
| GW 49 175 | L1 low | MTX/M 250 | 1/12 |
| GW 49 176 | L2 low | MTX/M 250 | 1/12 |
| GW 49 177 | L3 low | MTX/M 250 | 1/12 |
| GW 49 178 | N low | MTX/M 250 | 1/12 |

NOTES: clamp assembly on the four-pole frame busbar. For codes GW49151 to GW49159, the power supply make arrive both from the top or from the bottom. Turning the standard module on the 4-pole frame changes the power supply phase.
SE= red lever switch-disconnector.

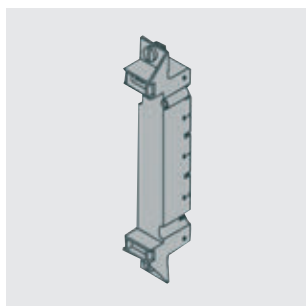


GW 45 381

GWFIX 400 - FRONT PANELS IN PAINTED SHEET WITH DIN PERFORATION

| Code | Dimensions LxH (mm) | For distribution boards | Pack Carton |
|--------------------|------------------------|----------------------------|----------------|
| Modules: 24 | | | |
| GW 45 381 | 600x300 | CVX 630 M | 1 |
| GW 49 503 | 600x300 | CVX 1600 | 1 |
| Modules: 36 | | | |
| GW 45 382 | 850x300 | CVX 630 M | 1 |
| GW 49 507 | 850x300 | CVX 1600 | 1 |

ACCESSORIES SUPPLIED: mounting accessories.

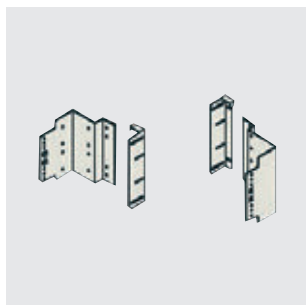


GW 49 643

GWFIX 400 - ACCESSORIES

| Code | Description | Modules | Pack Carton |
|------------------|--|---------|----------------|
| GW 49 643 | Base Module false pole for BD | | 1/12 |
| GW 49 644 | N. 2 covers IP20 | 10 | 1/6 |
| GW 49 646 | N. 6 trunking supports | | 1/6 |
| GW 49 155 | False pole clip for MTX/M 160c motor control | | 1 |
| GW 49 160 | False pole clip for MTX/E 160 motor control | | 1 |
| GW 49 179 | False pole clip for BD of MTX/E/M 160c/160/250 | | 1 |

NOTE: GW 49 179 not suitable for the BD 160c lowered add-on residual current device.



GW 49 650

GWFIX 400 - PAIR OF FIXING SUPPORTS FOR FOUR-POLE 24 AND 36 MODULE FRAMES

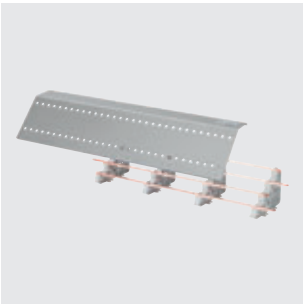
| Code | For distribution boards | Pack Carton |
|------------------|----------------------------|----------------|
| GW 45 539 | CVX 630 M | 1 |
| GW 49 650 | CVX 1600 | 1 |

ACCESSORIES SUPPLIED: fixing accessories.

47 BUSBAR

DISTRIBUTION TERMINAL BLOCKS

HORIZONTAL DIVIDER

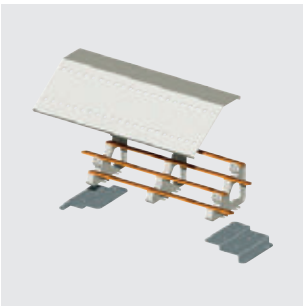


GW 45 541

HORIZONTAL FOUR-POLE DIVIDER 250 A WITH PRE-DRILLED THREADED M6 BUSBARS

| Code | Dimensions (mm) | No. of modules EN 50022 | Installation | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|--|-----------------|-------------------------|-----------------------|---------------------------|----------------------------|----------|-------------|
| For distribution boards: CVX 630K/630M/1600 | | | | | | | |
| GW 44 700 | 285x190x70 | 16 | On profile EN 50022 | 1xM12 | 10xM6 | 17 kA | 1/2 |
| For distribution boards: CVX 1600 | | | | | | | |
| GW 47 601 | 600x150x70 | 24 | On functional profile | 1xM8+2M6 | 21xM6 | 20 kA | 1 |
| GW 47 602 | 850x150x70 | 36 | On functional profile | 1xM8+2M6 | 32xM6 | 20 kA | 1 |
| For distribution boards: CVX 630K/630M | | | | | | | |
| GW 45 541 | 600x150x70 | 24 | On functional profile | 1xM8+2xM6 | 21xM6 | 20 kA | 1 |
| GW 45 543 | 850x150x70 | 36 | On functional profile | 1xM8+2xM6 | 32xM6 | 20 kA | 1 |

CHARACTERISTICS: the connection capacity indicated is "per pole"; can also be fixed on the back-mounting plate.
ACCESSORIES SUPPLIED: fixing brackets on functional profile. Complete with protection shield and bolts and screws for cable input and output connections.
NOTES: usable with front panel of a height greater than, or equal to, 200mm.



GW 45 542

HORIZONTAL, 4-POLE DISTRIBUTING FRAME UP TO 400A WITH PERFORATED, THREADED BUSBARS M6

| Code | Dimensions (mm) | No. of modules EN 50022 | Installation | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|---|-----------------|-------------------------|-----------------------|---------------------------|----------------------------|----------|-------------|
| For distribution boards: CVX 630K/630M | | | | | | | |
| GW 45 542 | 600x150x70 | 24 | On functional profile | 1xM8+2xM6 | 21xM6 | 20 kA | 1 |
| GW 45 544 | 850x150x70 | 36 | On functional profile | 1xM8+2xM6 | 32xM6 | 20 kA | 1 |

CHARACTERISTICS: the connection capacity indicated is "per pole"; possibility of fixing on back-mounting plate too;
ACCESSORIES SUPPLIED: fixing brackets on functional profile. Complete with protection shield and bolts and screws for cable input and output connections.
NOTES: usable with front panel of a height greater than, or equal to, 200mm.

MODULAR DIVIDERS



GW 44 651

SINGLE-POLE MODULAR DISTRIBUTION TERMINAL BLOCK - FIXING ON PLATE OR DIN RAIL - IP20

| Code | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|-------------------------------|-----------------------|-------------------------|---------------------------|----------------------------|----------|-------------|
| Rated current (A): 160 | | | | | | |
| GW 44 651 | 35x92x49 | 2 | 1x(10-70) mm² | 6x(2.5-16) mm² | 10 kA | 1/5 |

CHARACTERISTICS: terminal tightening torque: input cable 4 Nm, output cables 1.5 Nm.
APPLICATIONS: possibility to create 1, 2, 3 and 4-pole distributing frames.



GW 44 652

RIGID JUMPER KIT AND CAP FOR ONE-POLE TERMINAL BLOCK GW44651

| Code | Description | Pack Carton |
|-----------|-------------|-------------|
| GW 44 652 | Jumper kit | 1/25 |

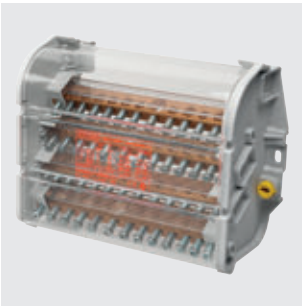


GW 44 693

TWO-POLE DISTRIBUTION TERMINAL BLOCKS WITH TRANSPARENT PROTECTION COVER
FIXING ON PLATE OR DIN RAIL EN 50022 - 750V - T 85°C

| Code | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|-------------------------------|--------------------------|----------------------------|------------------------------|---|----------|----------------|
| Rated current (A): 100 | | | | | | |
| GW 44 691 | 70x49x50 | 4 | 1x(6-35) mm ² | [1x(4-25) + 5x(1.5-10)] mm ² | 6 kA | 2/40 |
| Rated current (A): 125 | | | | | | |
| GW 44 693 | 141x49x50 | 8 | 1x(6-35) mm ² | [2x(4-25) + 2x(4-16) + 10x(1.5-10)] mm ² | 6 kA | 1/12 |

CHARACTERISTICS: the indicated connection capacity is "per pole" and refers to the fitting of cables with "test prods".



GW 44 699

FOUR-POLE DISTRIBUTION TERMINAL BLOCKS WITH TRANSPARENT PROTECTION COVER.
FIXING ON PLATE OR DIN RAIL EN 50022 - 750V - T 85°C

| Code | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|-------------------------------|--------------------------|----------------------------|------------------------------|---|----------|----------------|
| Rated current (A): 100 | | | | | | |
| GW 44 696 | 70x88.5x50 | 4 | 1x(6-35) mm ² | [1x(4-25) + 5x(1.5-10)] mm ² | 6 kA | 2/20 |
| Rated current (A): 125 | | | | | | |
| GW 44 698 | 141x88.5x50 | 8 | 1x(6-35) mm ² | [2x(4-25) + 2x(4-16) + 10x(1.5-10)] mm ² | 6 kA | 1/10 |
| Rated current (A): 160 | | | | | | |
| GW 44 699 | 185x75x135 | 10 | 1x(16-50) mm ² | [2x(10-35) + 2x(6-25) + 8x(4-16)] mm ² | 10 kA | 1/12 |

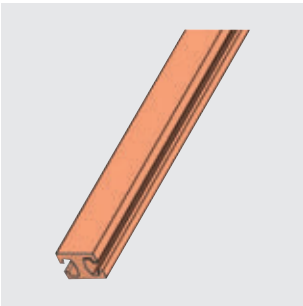
CHARACTERISTICS: terminal tightening torque: input cables 4 Nm, output cables 1.5 Nm.

The indicated connection capacity is "per pole" and refers to the fitting of cables with "test prods".

47 BUSBAR

SHAPED, CONTINUOUS PROFILE BUSBAR DISTRIBUTION SYSTEMS

SHAPED BUSBAR

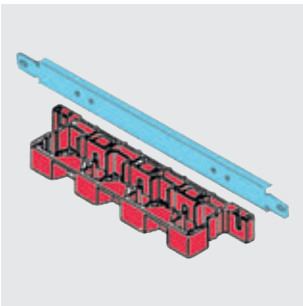


GW 49 651

ELECTROLYTIC COPPER SHAPED BUSBARS

| Code | Rated current | Length (mm) | Quantity | For distribution boards | Pack Carton |
|-----------|---------------|-------------|----------|-------------------------|-------------|
| GW 49 651 | 400 A | 1730 | 1 | CVX 630M/1600 | 1 |
| GW 49 652 | 800 A | 1730 | 1 | CVX 630M/1600 | 1 |
| GW 49 653 | 1250 A | 1730 | 1 | CVX 1600 | 1 |
| GW 49 654 | 1600 A | 1730 | 1 | CVX 1600 | 1 |

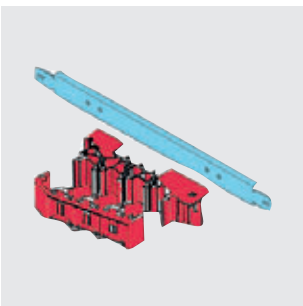
BUSBAR HOLDERS FOR SHAPED BUSBARS



GW 45 577

PAIR OF LINEAR BUSBAR-HOLDERS 400 - 800A - COMPLETE WITH CROSSPIECES FOR SYSTEM WITH VERTICAL, SHAPED BUSBARS FOR CVX 630M DISTRIBUTION BOARDS

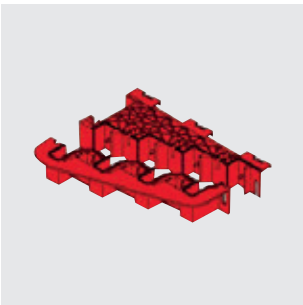
| Code | Rated current | Max Icw (kA) | Quantity | Section busbars (mm) | Installation | For distribution boards | Pack Carton |
|-----------|---------------|--------------|----------|----------------------|-----------------------------|-------------------------|-------------|
| GW 45 577 | 400-800 A | 35 | 2 | 20x20 | On structure base L=600 | CVX 630 M | 1 |
| GW 45 578 | 400-800 A | 35 | 2 | 20x20 | On structure base L=850 | CVX 630 M | 1 |
| GW 45 579 | 400-800 A | 35 | 2 | 20x20 | Structure L=600 (GWFIX 400) | CVX 630 M | 1 |
| GW 45 580 | 400-800 A | 35 | 2 | 20x20 | Structure L=850 (GWFIX 400) | CVX 630 M | 1 |



GW 45 576

PAIR OF GRADUATED BUSBAR-HOLDERS 400 - 800A - COMPLETE WITH CROSSPIECES FOR SYSTEM WITH VERTICAL, SHAPED BUSBARS FOR CVX 630M DISTRIBUTION BOARDS

| Code | Rated current | Max Icw (kA) | Quantity | Section busbars (mm) | Installation | For distribution boards | Pack Carton |
|-----------|---------------|--------------|----------|----------------------|-----------------------------|-------------------------|-------------|
| GW 45 575 | 400-800 A | 35 | 2 | 20x20 | On base of int. compartment | CVX 630 M | 1 |
| GW 45 576 | 400-800 A | 35 | 2 | 20x20 | On base of ext. compartment | CVX 630 M | 1 |



GW 49 656

LINEAR AND GRADUATED BUSBAR-HOLDERS 800 - 1600 A FOR SYSTEMS WITH SHAPED PROFILE BUSBARS FOR CVX 1600 DISTRIBUTION BOARDS

| Code | Rated current | Max Icw (kA) | Quantity | Section busbars (mm) | For distribution boards | Pack Carton |
|----------------------------------|---------------|--------------|----------|----------------------|-------------------------|-------------|
| For busbar holder: Scalar | | | | | | |
| GW 49 656 | 800 A | 35 | 1 | 20x20 | CVX 1600 | 1 |
| GW 49 657 | 1600 A | 75 | 1 | 60x20 | CVX 1600 | 1 |
| For busbar holder: Linear | | | | | | |
| GW 49 658 | 800 A | 35 | 1 | 20x20 | CVX 1600 | 1 |
| GW 49 659 | 1600 A | 75 | 1 | 60x20 | CVX 1600 | 1 |
| GW 49 660 | 1600 A | 65 | 1 | 60x20 | CVX 1600 | 1 |

CROSSPIECES FOR SHAPED BUSBAR SYSTEM FOR DISTRIBUTION BOARDS CVX 1600



POSITION 1



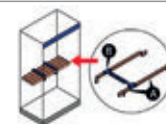
POSITION 2



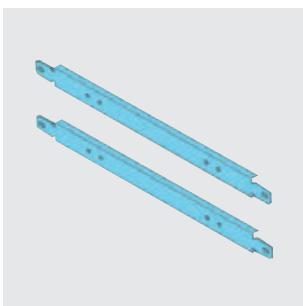
POSITION 3



POSITION 4

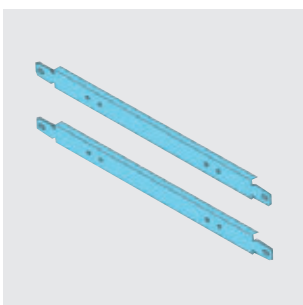


POSITION 5



PAIR OF SUPPORT CROSSPIECES FOR SHAPED VERTICAL BUSBARS SYSTEMS

| Code | Assembly position | For structures (mm) | For busbar holder | Pack Carton |
|--|-------------------|---------------------|-----------------------------|-------------|
| Busbars: Structure bottom | | | | |
| GW 49 701 | 1 | L=400 | GW49656 - GW49658 | 1 |
| GW 49 702 | 1 | L=600 | GW49658 | 1 |
| GW 49 703 | 1 | L=850 | GW49658 | 1 |
| GW 49 704 | 1 | L=400 | GW49657 - GW49659 - GW49660 | 1 |
| GW 49 705 | 1 | L=600 | GW49659 - GW49660 | 1 |
| GW 49 706 | 1 | L=850 | GW49659 - GW49660 | 1 |
| Busbars: External compartment bottom | | | | |
| GW 49 708 | 1 | L=300 | GW49656 - GW49657 | 1 |
| Busbars: Int./Ext. compartment side | | | | |
| GW 49 710 | 2 | D=400 | GW49656 | 1 |
| GW 49 711 | 2 | D=600 | GW49660 | 1 |
| GW 49 712 | 2 | D=800 | GW49657 - GW49659 - GW49660 | 1 |
| Busbars: Structure side | | | | |
| GW 49 713 | 2 | D=600 Open frame | GW49660 | 1 |
| GW 49 714 | 2 | D=600 Closed frame | GW49660 | 1 |
| GW 49 715 | 2 | D=800 Open frame | GW49657 - GW49659 - GW49660 | 1 |
| GW 49 716 | 2 | D=800 Closed frame | GW49657 - GW49659 - GW49660 | 1 |
| Busbars: Structure bottom with direct connection to GWFIX40 | | | | |
| GW 49 717 | 3 | L=600 | GW49658 | 1 |
| GW 49 718 | 3 | L=850 | GW49658 | 1 |



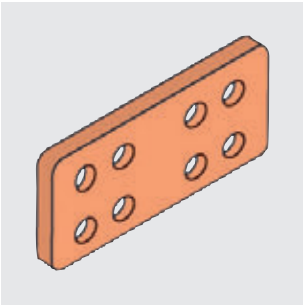
PAIR OF SUPPORT CROSSPIECES FOR SHAPED HORIZONTAL BUSBARS SYSTEMS

| Code | Assembly position | For structures (mm) | For busbar holder | Pack Carton |
|---|-------------------|---------------------|-------------------|-------------|
| Busbars: High/low structure or int./ext. compartment | | | | |
| GW 49 711 | 2 | D=600 | GW49660 | 1 |
| GW 49 720 | 3 | D=800 | GW49659 - GW49660 | 1 |
| Busbars: Horizontal to every height structure | | | | |
| GW 49 721 | 5/A | L=400 | GW49659 - GW49660 | 1 |
| GW 49 722 | 5/A | L=600 | GW49659 - GW49660 | 1 |
| GW 49 723 | 5/A | L=850 | GW49659 - GW49660 | 1 |
| GW 49 724 | 5/B | D=600 | GW49660 | 1 |
| GW 49 725 | 5/B | D=800 | GW49659 - GW49660 | 1 |

NOTES: GW49721 - GW49722 - GW49723: structures with functional width 850mm with internal cable, use GW49722 + GW49723 or 2 crosspieces GW49722 in combination with the rear upright.
For crosspieces choosing see the selection guide.

47 BUSBAR

ACCESSORIES FOR SHAPED BUSBARS

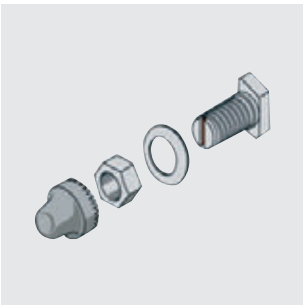


GW 49 666

COPPER JOINTS FOR SHAPED BUSBARS

| Code | Description | For busbars | With | Pack Carton |
|-----------|-------------|--------------------------------|-----------------------------------|-------------|
| GW 49 665 | N. 4 joints | Shaped 400/800A | Shaped busbars 400/800/1250/1600A | 1 |
| GW 49 666 | N. 4 joints | Shaped 1250/1600A | Shaped busbars 1250/1600A | 1 |
| GW 49 667 | N. 4 joints | Shaped 1250/1600A | Flat bus-bar 2500/3200A | 1 |
| GW 49 668 | N. 4 joints | Shaped 400/800A and 1250/1600A | Terminales | 1 |

NOTES: the coupling elements are not supplied with screws. For the screws, choose code GW 49 647 or GW 49 648.
The article GW49668 consists of 4 cut-out coupling elements of 400A only suitable for terminals.

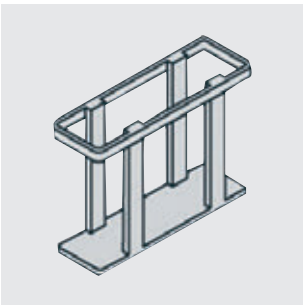


GW 49 647

M8 SEALING DRIVE-SCREWS FOR SHAPED BUSBARS

| Code | Description | Length (mm) | Suitable for | Pack Carton |
|-----------|--------------|-------------|---|-------------|
| GW 49 591 | N. 12 screws | 20 | Terminales | 1 |
| GW 49 647 | N. 12 screws | 27 | Copper plates up to 10mm, and joints for bars | 1 |
| GW 49 648 | N. 12 screws | 37 | Copper plates up to 20mm, and joints for bars | 1 |

ACCESSORIES SUPPLIED: screw cap hoods.
APPLICATIONS: they allow fixing between conductors in any position along the bus-bars. The articles GW49647 and GW49648 allows copper coupling elements to be fixed between two busbars.

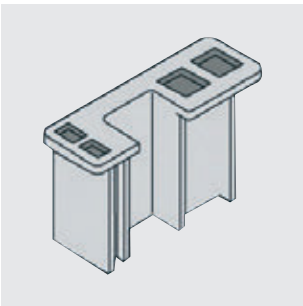


GW 49 674

SUPPORT BASES FOR SHAPED BUSBARS

| Code | Description | For busbars | Pack Carton |
|-----------|--------------------|-------------|-------------|
| GW 49 673 | N. 4 support bases | 400/800 A | 1 |
| GW 49 674 | N. 4 support bases | 1250/1600 A | 1 |

APPLICATIONS: carrier support to be placed inside the bar-holder in the final position so as to hold the busbar up in a vertical position.



GW 49 675

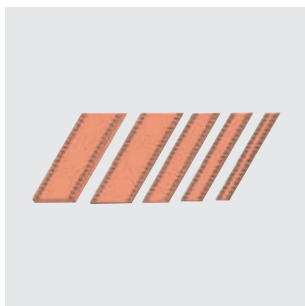
SHAPED BUSBARS ADAPTOR

| Code | Description | For busbars | For busbar holder | Pack Carton |
|-----------|---------------|-------------|-----------------------------|-------------|
| GW 49 675 | N. 4 adaptors | 400/800 A | GW49657 - GW49659 - GW49660 | 1 |

APPLICATIONS: if busbars of 400/800A are assembled on busbar holders designed for busbars of 1250/1600A.

FLAT BUS-BAR DISTRIBUTION SYSTEMS

FLAT BUSBAR DISTRIBUTION SYSTEMS

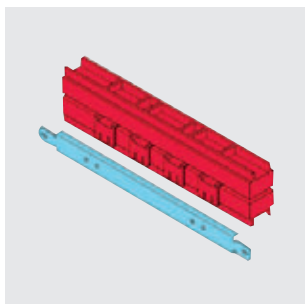


2 FLAT BUSBARS IN PRE-DRILLED ELECTROLYTIC COPPER

| Code | Rated current | Section (mm ²) | Length (mm) | For distribution boards | Pack Carton |
|-----------|---------------|----------------------------|-------------|-------------------------|-------------|
| GW 45 551 | 250 A | 20x5 | 1000 | CVX 630K/630M | 1 |
| GW 45 552 | 400 A | 25x6 | 1000 | CVX 630K/630M | 1 |
| GW 45 553 | 400 A | 30x5 | 1000 | CVX 630K/630M | 1 |
| GW 45 554 | 630 A | 30x10 | 1000 | CVX 630K/630M | 1 |
| GW 45 555 | 250 A | 20x5 | 1750 | CVX 630K/630M | 1 |
| GW 45 556 | 400 A | 25x6 | 1750 | CVX 630K/630M | 1 |
| GW 45 557 | 400 A | 30x5 | 1750 | CVX 630K/630M | 1 |
| GW 45 558 | 630 A | 30x10 | 1750 | CVX 630K/630M | 1 |
| GW 47 637 | 400 A | 32x5 | 1750 | CVX 1600 | 1 |
| GW 49 677 | 630 A | 50x5 | 1750 | CVX 1600 | 1 |
| GW 49 678 | 800 A | 63x5 | 1750 | CVX 1600 | 1 |
| GW 49 679 | 1250 A | 100x5 | 1750 | CVX 1600 | 1 |
| GW 49 680 | 1600 A | 100x10 | 1750 | CVX 1600 | 1 |

NOTE: The CVX 630 K busbar are M6 drilled and threaded.

BUSBAR-HOLDER FOR FLAT BUSBARS



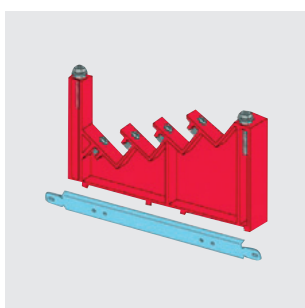
GW 45 563

PAIR OF LINEAR BUSBAR-HOLDERS 250 - 630A

COMPLETE WITH CROSSPIECES FOR SYSTEM WITH VERTICAL, FLAT BUSBAR FOR CVX 630 K DISTRIBUTION BOARDS

| Code | Rated current | Section busbars (mm) | Max Icw (kA) | Installation | For distribution boards | Pack Carton |
|-----------|-------------------|----------------------|--------------|-----------------------------|-------------------------|-------------|
| GW 45 563 | 250 - 400 - 630 A | 20x5-30x5-30x10 | 35 | On structure base L=600/850 | CVX 630K | 1 |

ACCESSORIES SUPPLIED: Crosspieces and fixing screw to the structure.



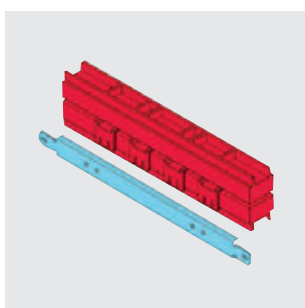
GW 45 562

PAIR OF GRADUATED BUSBAR-HOLDERS 250 - 630A

COMPLETE WITH CROSSPIECES FOR SYSTEM WITH VERTICAL, FLAT BUSBARS FOR CVX 630K AND CVX 630M DISTRIBUTION BOARDS

| Code | Rated current | Section busbars (mm) | Max Icw (kA) | Installation | For distribution boards | Pack Carton |
|-----------|-------------------|----------------------|--------------|-----------------------------|-------------------------|-------------|
| GW 45 561 | 250 - 400 A | 20x5-25x6 | 20 | On base of int. compartment | CVX 630K/M | 1 |
| GW 45 562 | 250 - 400 - 630 A | 20x5-30x5-30x10 | 25 | On base of ext. compartment | CVX 630K/M | 1 |

ACCESSORIES SUPPLIED: Crosspieces and fixing screw to the structure.



GW 45 573

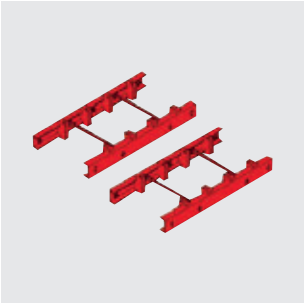
PAIR OF LINEAR BUSBAR-HOLDERS 250 - 630A

COMPLETE WITH CROSSPIECES FO SYSTEM WITH VERTICAL, FLAT BUSBARS FOR CVX 630M DISTRIBUTION BOARDS

| Code | Rated current | Section busbars (mm) | Max Icw (kA) | Installation | For distribution boards | Pack Carton |
|-----------|-------------------|----------------------|--------------|-------------------------|-------------------------|-------------|
| GW 45 573 | 250 - 400 - 630 A | 20x5 - 30x5 - 30x10 | 35 | On structure base L=600 | CVX 630 M | 1 |
| GW 45 574 | 250 - 400 - 630 A | 20x5 - 30x5 - 30x10 | 35 | On structure base L=850 | CVX 630 M | 1 |

ACCESSORIES SUPPLIED: Crosspieces and fixing screw to the structure.

47 BUSBAR



GW 49 670

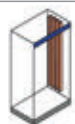
PAIR OF BUSBAR-HOLDERS FOR FLAT BUSBAR FOR CVX 1600 DISTRIBUTION BOARDS

| Code | Rated current | For busbars | N. bars for phase | For distribution boards | Pack Carton |
|-----------|--------------------|-------------------|-------------------|-------------------------|-------------|
| GW 49 670 | 400-630-800-1250 A | Thickness 5 (mm) | 1 | CVX 1600 | 1 |
| GW 49 671 | 1600 A | Thickness 10 (mm) | 1 | CVX 1600 | 1 |
| GW 49 672 | 2500 A | Thickness 10 (mm) | 2 | CVX 1600 | 1 |
| GW 49 676 | 3200 A | Thickness 10 (mm) | 3 | CVX 1600 | 1 |

CROSSPIECES FOR FLAT BUSBAR SYSTEM FOR DISTRIBUTION BOARDS CVX 1600



POSITION 1



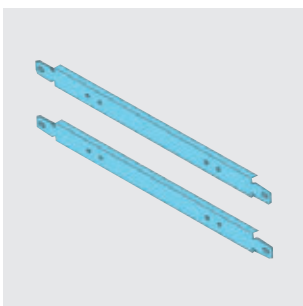
POSITION 2



POSITION 3

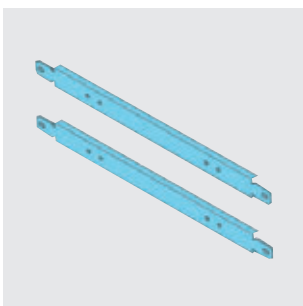


POSITION 4



PAIR OF SUPPORT CROSSPIECES FOR VERTICAL FLAT BUSBARS

| Code | Assembly position | For structures (mm) | For busbar holder | Pack Carton |
|--|-------------------|---------------------|---------------------------------------|-------------|
| Busbars: Int./Ext. compartment side | | | | |
| GW 49 737 | 2 | D=600 | GW49670 - GW49671 | 1 |
| GW 49 738 | 2 | D=800 | GW49670 - GW49671 | 1 |
| Busbars: Structure side | | | | |
| GW 49 733 | 2 | D=600 Open frame | GW49670 - GW49671 | 1 |
| GW 49 734 | 2 | D=800 Open frame | GW49670 - GW49671 - GW49672 - GW49676 | 1 |
| GW 49 735 | 2 | D=600 Closed frame | GW49670 - GW49671 | 1 |
| GW 49 736 | 2 | D=800 Closed frame | GW49670 - GW49671 | 1 |
| Busbars: Structure bottom | | | | |
| GW 49 731 | 1 | LxD=600x600/800 | GW49670 - GW49671 | 1 |
| GW 49 732 | 1 | LxD=850x600/800 | GW49670 - GW49671 | 1 |



PAIR OF SUPPORT CROSSPIECES FOR HORIZONTAL FLAT BUSBARS

| Code | Assembly position | For structures (mm) | For busbar holder | Pack Carton |
|--|-------------------|---------------------|---------------------------------------|-------------|
| Busbars: High/low structure or int./ext. compartment | | | | |
| GW 49 749 | 3 | D=600 | GW49670 - GW49671 | 1 |
| GW 49 720 | 3 | D=800 | GW49659 - GW49660 | 1 |
| Busbars: Horizontal to every height structure | | | | |
| GW 49 741 | 4 | D=600 Open frame | GW49670 - GW49671 | 1 |
| GW 49 742 | 4 | D=800 Open frame | GW49670 - GW49671 | 1 |
| GW 49 743 | 4 | D=600 Closed frame | GW49670 - GW49671 | 1 |
| GW 49 744 | 4 | D=800 Closed frame | GW49670 - GW49671 | 1 |
| Busbars: Horizontal to every height int./ext. compartment | | | | |
| GW 49 739 | 4 | D=600 | GW49670 - GW49671 | 1 |
| GW 49 740 | 4 | D=800 | GW49670 - GW49671 - GW49672 - GW49676 | 1 |

FLEXIBLE STRAPS



GW 47 651

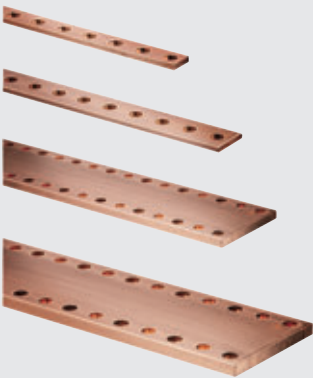
FLEXIBLE BUS-BARS - LENGTH: 2 METRES PER PIECE

| Code | Rated current | Quantity | Dimensions (mm) | Section (mm²) | Pack Carton |
|-----------|---------------|----------|-----------------|---------------|-------------|
| GW 47 651 | 125 A | 1 | 2x15.5x0.8 | 24,8 | 1 |
| GW 47 652 | 250 A | 2 | 3x20x1 | 60 | 1 |
| GW 47 653 | 400 A | 2 | 5x20x1 | 100 | 1 |
| GW 47 654 | 630 A | 2 | 5x32x1 | 160 | 1 |
| GW 47 655 | 1000 A | 2 | 8x40x1 | 320 | 1 |
| GW 47 656 | 1250 A | 2 | 10x50x1 | 500 | 1 |

CHARACTERISTICS: conductor in electrolytic copper with high resistance compound vinyl insulation (duty voltage 1000 V).

GW47654: only for switches with extended front or rear couplings.

47 BUSBAR

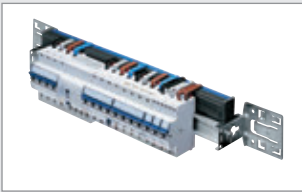


QUICK CONNECTION



Connections to the busbar system is facilitated to the specific geometry of the shaped busbar section (one or more C profiles) which allows coupling of the junctions in every point of the busbar thanks to a special hammer screw sliding in the profile without the need for drilling.

QUICK WIRING TIMES



Thanks to the innovative embedded fixing system on the rear of the double DIN rail and the dedicated connectors, it is possible to easily connect all the circuit breakers with different polarities on the same wire without making wiring errors.

FLEXIBLE USE



Thanks to the pre-perforation with 25 mm pitch on the flat bars, quick connection between busbars, flexible busbars or cables is possible.

GWFIX 100 - QUICK BUSBAR FOR MODULAR DEVICES

| TECHNICAL DATA | | |
|---|------------------|--|
| Rated operational voltage (Ue): | (V) | 400 AC |
| Rated insulation voltage (Ui): | (V) | 500 AC |
| Rated impulse withstand voltage (Uimp): | (kV) | 6 - 1.2/50 μs |
| Rated frequency: | (Hz) | 50 / 60 |
| Rated current (In): | | |
| central power supply | (A) | 100 |
| lateral power supply | (A) | 80 |
| Maximum installable circuit breaker size: | (A) | 100 |
| Conditioned short-circuit current (Icc) | (kA) | |
| with modular circuit breaker: | | |
| MTC 45 - MDC 45 | | 4.5 - 400V |
| MT60 - MTC 60 - MDC 60 | | 6 - 400V |
| MT100 - MTC 100 - MDC 100 | | 10 - 400V |
| MT 250 | | 25 - 400V |
| Degree of protection: | | IP20 |
| Characteristics of the insulation material: | | self-extinguishing thermoplastic V1 (UL94) |
| Characteristics of the conductor material: | | electrolytic copper |
| Width: | (no. modules/mm) | 12/400 - 18 - 24/600 - 36/850 |

| EXAMPLES OF CONNECTIONS | | |
|---|--|--|
| <p>With automatic circuit breaker and power supply from below</p> | <p>With modular switch disconnector and power supply from below</p> | <p>Lower busbar power supply by means of parallel module</p> |
| <p>Busbar power supply by means of power supply cable terminal placed centrally In 100A max</p> | <p>Busbar power supply by means of feeder module (supplied without cables) placed laterally In 80A max</p> | <p>Power supply of two different single-phase circuits by means of feeder module (supplied without cables)</p> |

GWFIX 250 - QUICK BUSBAR FOR MODULAR DEVICES

| TECHNICAL DATA | | | |
|--|----------------|---|--|
| Rated operational voltage (Ue): | 500V AC | Rated conditional short-circuit current (Icc): | 4.5 ÷ 25 kA - 400V |
| Rated insulation voltage (Ui): | 500V AC | Degree of protection: | IP20 |
| Rated impulse withstand voltage (Uimp): | 6 kV 1.2/50 µs | Characteristic of the insulating material: | self-extinguishing thermoplastic V1 (UL94) |
| Rated frequency: | 50/60Hz | Characteristics of the conductor material: | electrolytic copper |
| Rated current central power supply (In): | 250A | Width (no. modules): | 24 / 36 |
| Brief rated current (Icw): | 10 kA (1s) | Suitable for installation with panels with windows (200mm height) | |
| Peak rated current (Ipk): | 61 kA | Connection of quick type connector with mechanical coupling. | |
| Maximum branched current: | 63A | Connector disconnection with tool. | |

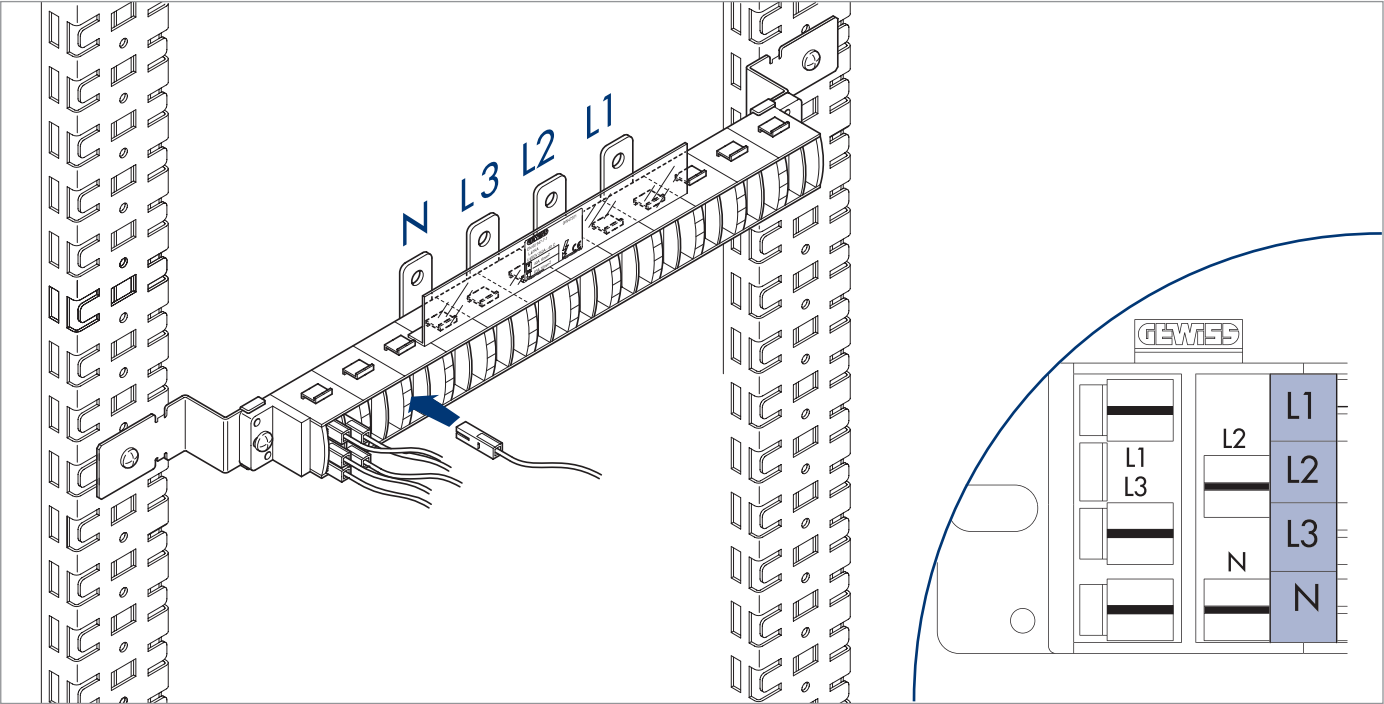
TYPE OF CONDUCTORS WITH TERMINAL FOR QUICK COUPLING

| Type | Capacity | Section | Colour | Length |
|--------|----------|---------|--------|--------|
| H07 VK | 40A | 6mm² | Black | 120mm |
| | | | | 500mm |
| | | | Blue | 120mm |
| | | | | 500mm |
| | 63A | 10mm² | Black | 120mm |
| | | | | 500mm |
| | | | Blue | 120mm |
| | | | | 500mm |

Notes:

- length = 120mm: crimped terminal
- length = 500mm: terminal without stripping

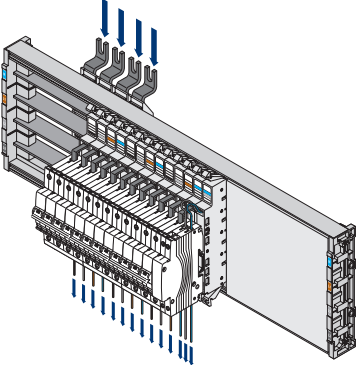
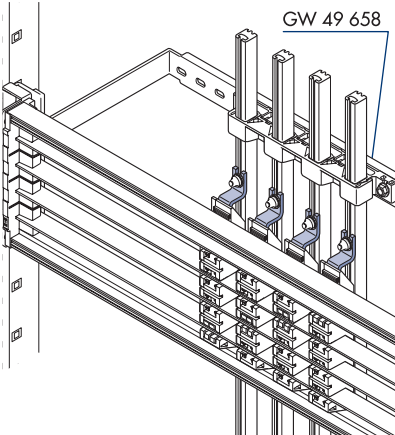
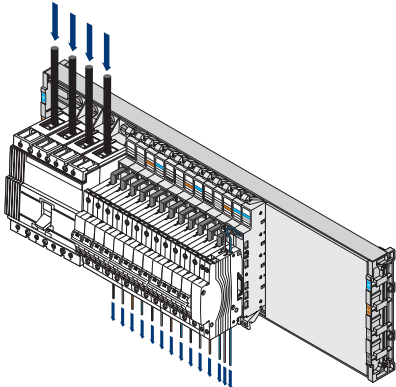
QUICK COUPLING TERMINAL AND PHASE IDENTIFICATION



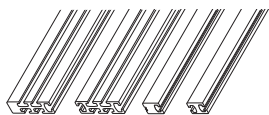
47 BUSBAR

GWFIX 400 - QUICK BUSBAR FOR MODULAR AND MOULDED-CASE DEVICES

| TECHNICAL DATA | | | |
|---|-----------------|------------------|--|
| Rated operational voltage (Ue): | | 690V AC | Degree of protection: IP20 |
| Rated insulation voltage (Ui): | | 1000V AC | Characteristic of the insulating material: self-extinguishing thermoplastic V1 (UL94) |
| Rated impulse withstand voltage (Uimp): | | 8 kV - 1.2/50 µs | Characteristics of the conductor material: electrolytic copper |
| Rated frequency: | | 50/60Hz | Section of the conductor material: busbars 25x5mm |
| Rated current | central supply: | 400A | Width (No. modules): 24 / 36 |
| | lateral supply: | 320A | |
| Brief allowed current (Icw): | | 25 kA | Installable devices: 90 range MTX 160c, MTX 160, MTX 250 also with add-on residual current devices |
| Peak rated current (Ipk): | | 52.5 kA - 400V | |
| Maximum branched current: | | 250A | |
| Rated conditional short-circuit current (Icc) | MTX 160c: | 36 kA - 400V | |
| | MTX 160: | 50 kA - 400V | |
| | MTX 250: | 50 kA - 400V | |

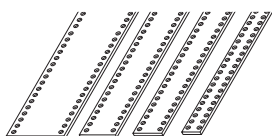
| EXAMPLES OF CONNECTIONS | | |
|---|--|--|
| <p>Direct power supply with power supply units</p>  | <p>Direct connection with busbars</p>  | <p>Power supply with main circuit breaker</p>  |

BUSBAR DISTRIBUTION SYSTEM



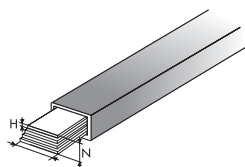
SHAPED BUSBARS - TECHNICAL DATA

| | | | |
|--|--------------------------|-------------------------------|---|
| Rated operational voltage (Ue): | 690V AC | Busbar material: | electrolytic copper 99.9% Cu-ETP |
| Rated insulation voltage (Ui): | 1000V AC | Insulating material: | self-extinguishing polyamide V0 (UL 94) |
| Rated impulse withstand voltage (Uimp): | 8 kV - 1.2/50 µs | Tightening torque: screws M8= | 20Nm |
| Rated frequency: | 50/60Hz | screws M10= | 30Nm |
| Rated current (In): | 400, 800, 1250, 1600A | Operating ambient conditions | constant: 25°C/83% - 40°C/93% |
| Brief rated current (Icw): | up to 75 kA (1s/400V AC) | variable: 25°C/98% - 40°C/98% | |
| Rated conditional short-circuit current (Icc): | up to 75 kA | Operating temperature: | -5°C - 40°C |
| | | Storage temperature: | -25°C - 55°C |



FLAT BUSBARS - TECHNICAL DATA

| | | | |
|--|---|-------------------------------|---|
| Rated operational voltage (Ue): | 690V AC | Busbar material: | electrolytic copper 99.9% Cu-ETP |
| Rated insulation voltage (Ui): | 1000V AC | Insulating material: | self-extinguishing polyamide V0 (UL 94) |
| Rated impulse withstand voltage (Uimp): | 8 kV - 1.2/50 µs | Tightening torque: | 4 Nm |
| Rated frequency: | 50/60Hz | Operating ambient conditions | constant: 25°C/83% - 40°C/93% |
| Rated current (In): | 250, 400, 630, 800, 1250, 1600, 2500, 3200A | variable: 25°C/98% - 40°C/98% | |
| Brief rated current (Icw): | up to 100 kA (1s/400V AC) | Operating temperature: | -5°C - 40°C |
| Rated conditional short-circuit current (Icc): | up to 100 kA | Storage temperature: | -25°C - 55°C |



FLEXIBLE BUSBARS - TECHNICAL DATA

| | | | |
|---|---------------------------------|------------------------|---|
| Rated operational voltage (Ue): | 690V AC | Busbar material: | electrolytic copper 99.9% Cu-ETP |
| Rated insulation voltage (Ui): | 1000V AC | Insulating material: | self-extinguishing polyamide V0 (UL 94) |
| Rated impulse withstand voltage (Uimp): | 8 kV - 1.2/50 µs | Tightening torque: | M6 screws = 13Nm |
| Rated frequency: | 50/60Hz | | M12 screws = 110Nm |
| Rated current (In): | 125, 250, 400, 630, 1000, 1250A | Operating temperature: | -45 °C ÷ 105 °C |



IEC 309 PLUGS AND SOCKET-OUTLETS

The GEWISS IEC 309 socket-outlet and plug system is composed of the IEC 309 HP range (socket-outlets and plugs from 16 to 125A in mobile straight versions and flush-mounting 10° versions), the IEC 309 BTS range (extra low that operate on voltage of less than 50V to be connected) and the IEC 309 MA range (a range of industrial and domestic multipliers, adaptors, branched in protected or watertight versions).



INTERLOCKED SOCKET-OUTLET IEC 309 STANDARD

The interlocked switched socket-outlet system, which complies with standard IEC 309, is composed of the 67 IB range (vertical interlocked switched socket-outlets), the 66 IB range (vertical interlocked switched socket-outlets for heavy-duty applications), the 44 IB range (horizontal protected interlocked switched socket-outlets) and the COMBIBLOC range (compact interlocked switched socket-outlets).



IEC 309 COMBINED BOARDS

A system of empty or wired boards, which respond to the new EN 61439 standard, can meet any and all system requirements for surface-mounting, flush-mounting, pole and floor installation in the commercial and industrial sectors, in small and large work sites and in ports/campsites.



ELECTRIC VEHICLE RECHARGING

The complete range of R-EVolution units, which comply with the international standard IEC 61851, enable the connection and recharging of all electric cars currently on the market, both in domestic settings and in public environments, such as in parking areas, shopping centres, hotels and service stations.



CONTROL AND SIGNALLING

A complete system for the control and automation of industrial and robotic systems, both on-board machines and in electric/electronic compartments. The product range consists of rotary switches for surface-mounting or boards, push-buttons, selectors and indicators.



SURFACE-MOUNTING BOARDS

A range of containers for surface-mounting systems and applications in the industrial, commercial and residential contexts. The range consists of watertight boards (in technopolymer, polyester reinforced with fibreglass, metal and stainless steel), boxes (in technopolymer and metal) and multifunctional supporting bases.



FLUSH-MOUNTING BOARDS

Container system for commercial and residential applications. The system columns (for energy distribution, domotics and multimedia) are also part of the range, along with enclosures, distribution boards, boxes for domestic ranges and junction boxes with integrated DIN rail.



CONDUITS AND INSTALLATION ACCESSORIES

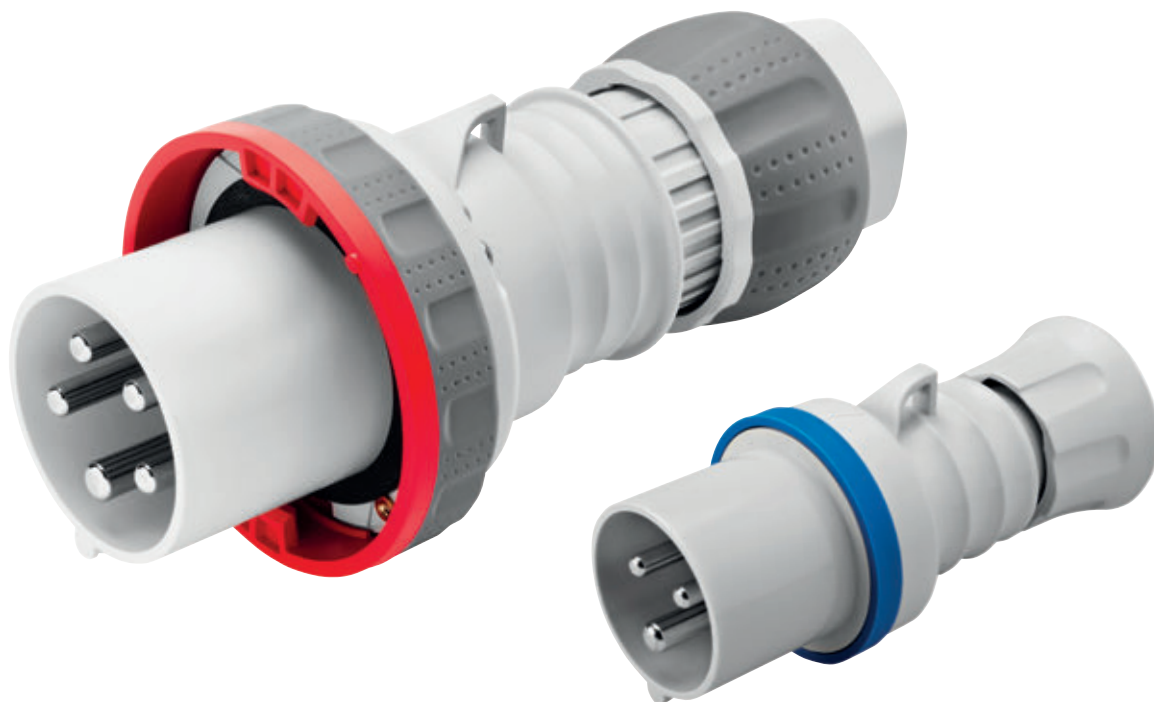
A range of protective conduits for surface-mounting and flush-mounting applications in the industrial, commercial and residential contexts. The range includes medium to heavy rigid conduits (including Halogen Free versions), medium folding protective conduits, coextruded folding protective conduits and self-recovering protective conduits (ICTA Halogen Free).



IEC 309 plugs and socket-outlets

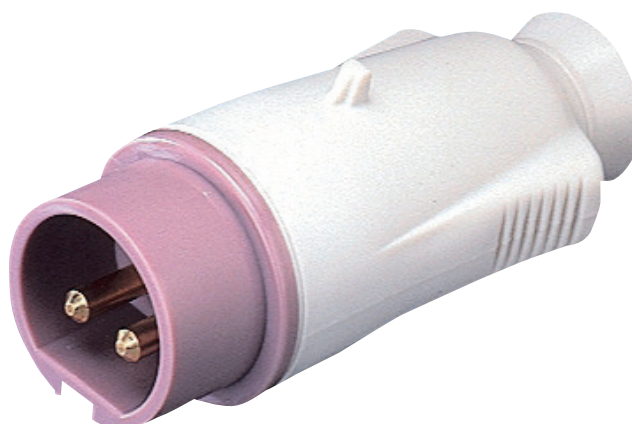
IEC 309 HP

PLUGS AND SOCKET-OUTLETS IEC 309 STANDARD



IEC 309 BTS

EXTRA-LOW VOLTAGE PLUGS AND SOCKET-OUTLETS IEC 309 STANDARD



pag. 1021

IEC 309 MA

MULTIPLE SOCKETS AND ADAPTOR FOR INDUSTRIAL AND DOMESTIC USE, PROTECTED AND WATERTIGHT



pag. 1031

IEC 309 HP

16A AND 32A LOW VOLTAGE INDUSTRIAL PLUGS AND SOCKET-OUTLETS IEC 309 STANDARDS - IEC 309 HP

| Rated current (In) | Rated Voltage (Un) | Frequency | Poles | Reference h | Straight plugs IP44/IP54 | | Straight plugs IP66/IP67/IP68/IP69 | |
|--------------------|--------------------|----------------|--------|-------------|---|------------------|---|------------------|
| | | | | |  | |  | |
| | | | | | Fast wiring | Screw wiring | Fast wiring | Screw wiring |
| 16 A | 100 ÷ 130 V | 50/60 Hz | 2P+E | 4 | GW 60 001 FH | GW 60 001 H | GW 60 023 FH | GW 60 023 H |
| | | | 3P+E | 4 | GW 60 002 FH | GW 60 002 H | GW 60 024 FH | GW 60 024 H |
| | | | 3P+N+E | 4 | GW 60 003 FH | GW 60 003 H | GW 60 025 FH | GW 60 025 H |
| | 200 ÷ 250 V | 50/60 Hz | 2P+E | 6 | GW 60 004 FH | GW 60 004 H | GW 60 026 FH | GW 60 026 H |
| | | | 3P+E | 9 | GW 60 005 FH | GW 60 005 H | GW 60 027 FH | GW 60 027 H |
| | | | | | | GW 60 005 WH (*) | | GW 60 027 WH (*) |
| | | | 3P+N+E | 9 | GW 60 006 FH | GW 60 006 H | GW 60 028 FH | GW 60 028 H |
| | | | | | | GW 60 006 WH (*) | | GW 60 028 WH (*) |
| | 380 ÷ 415 V | 50/60 Hz | 2P+E | 9 | GW 60 007 FH | GW 60 007 H | GW 60 029 FH | GW 60 029 H |
| | | | 3P+E | 6 | GW 60 008 FH | GW 60 008 H | GW 60 030 FH | GW 60 030 H |
| | | | | | | GW 60 008 WH (*) | | GW 60 030 WH (*) |
| | | | 3P+N+E | 6 | GW 60 009 FH | GW 60 009 H | GW 60 031 FH | GW 60 031 H |
| | | | | | | GW 60 009 WH (*) | | GW 60 031 WH (*) |
| | 480 ÷ 500 V | 50/60 Hz | 2P+E | 7 | | GW 60 701 H | | GW 60 735 H |
| | | | 3P+E | 7 | | GW 60 010 H | | GW 60 032 H |
| | | | 3P+N+E | 7 | | GW 60 011 H | | GW 60 033 H |
| | 600 ÷ 690 V | 50/60 Hz | 3P+E | 5 | | GW 60 702 H | | GW 60 736 H |
| | | | 3P+N+E | 5 | | GW 60 703 H | | GW 60 737 H |
| | > 50 V | 100 ÷ 300 Hz | 2P+E | 10 | | GW 60 704 H | | GW 60 738 H |
| | | | 3P+E | 10 | | GW 60 705 H | | GW 60 739 H |
| | | | 3P+N+E | 10 | | GW 60 706 H | | GW 60 740 H |
| | > 50 V | > 300 ÷ 500 Hz | 2P+E | 2 | | GW 60 707 H | | GW 60 741 H |
| | | | 3P+E | 2 | | GW 60 708 H | | GW 60 742 H |
| | | | 3P+N+E | 2 | | GW 60 709 H | | GW 60 743 H |
| | 440 ÷ 460 V | 60 Hz | 3P+E | 11 | | GW 60 710 H | | GW 60 744 H |
| | 380 V / 440 V | 50 Hz / 60 Hz | 3P+N+E | 11 | | GW 60 711 H | | GW 60 745 H |
| | | | 3P+E | 3 | | GW 60 712 H | | GW 60 746 H |
| | transf. | 50/60 Hz | 3P+N+E | 3 | | GW 60 713 H | | GW 60 747 H |
| | | | 2P+E | 12 | | GW 60 714 H | | GW 60 748 H |
| | > 50 ÷ 250V | dc | 3P+E | 12 | | GW 60 715 H | | GW 60 749 H |
| | > 250V | dc | 2P+E | 3 | | GW 60 716 H | | GW 60 750 H |
| | | | 2P+E | 8 | | GW 60 717 H | | GW 60 751 H |
| 32 A | 100 ÷ 130 V | 50/60 Hz | 2P+E | 4 | GW 60 012 FH | GW 60 012 H | GW 60 034 FH | GW 60 034 H |
| | | | 3P+E | 4 | GW 60 013 FH | GW 60 013 H | GW 60 035 FH | GW 60 035 H |
| | | | 3P+N+E | 4 | GW 60 014 FH | GW 60 014 H | GW 60 036 FH | GW 60 036 H |
| | 200 ÷ 250 V | 50/60 Hz | 2P+E | 6 | GW 60 015 FH | GW 60 015 H | GW 60 037 FH | GW 60 037 H |
| | | | 3P+E | 9 | GW 60 016 FH | GW 60 016 H | GW 60 038 FH | GW 60 038 H |
| | | | | | | GW 60 016 WH (*) | | GW 60 038 WH (*) |
| | | | 3P+N+E | 9 | GW 60 017 FH | GW 60 017 H | GW 60 039 FH | GW 60 039 H |
| | | | | | | GW 60 017 WH (*) | | GW 60 039 WH (*) |
| | 380 ÷ 415 V | 50/60 Hz | 2P+E | 9 | GW 60 018 FH | GW 60 018 H | GW 60 040 FH | GW 60 040 H |
| | | | 3P+E | 6 | GW 60 019 FH | GW 60 019 H | GW 60 041 FH | GW 60 041 H |
| | | | | | | GW 60 019 WH (*) | | GW 60 041 WH (*) |
| | | | 3P+N+E | 6 | GW 60 020 FH | GW 60 020 H | GW 60 042 FH | GW 60 042 H |
| | | | | | | GW 60 020 WH (*) | | GW 60 042 WH (*) |
| | 480 ÷ 500 V | 50/60 Hz | 2P+E | 7 | | GW 60 718 H | | GW 60 752 H |
| | | | 3P+E | 7 | | GW 60 021 H | | GW 60 043 H |
| | | | 3P+N+E | 7 | | GW 60 022 H | | GW 60 044 H |
| | 600 ÷ 690 V | 50/60 Hz | 3P+E | 5 | | GW 60 719 H | | GW 60 753 H |
| | | | 3P+N+E | 5 | | GW 60 720 H | | GW 60 754 H |
| | | | 2P+E | 10 | | GW 60 721 H | | GW 60 755 H |
| | > 50 V | 100 ÷ 300 Hz | 3P+E | 10 | | GW 60 722 H | | GW 60 756 H |
| | | | 3P+N+E | 10 | | GW 60 723 H | | GW 60 757 H |
| | | | 2P+E | 2 | | GW 60 724 H | | GW 60 758 H |
| | > 50 V | > 300 ÷ 500 Hz | 3P+E | 2 | | GW 60 725 H | | GW 60 759 H |
| | | | 3P+N+E | 2 | | GW 60 726 H | | GW 60 760 H |
| | | | 2P+E | 11 | | GW 60 727 H | | GW 60 761 H |
| | 440 ÷ 460 V | 60 Hz | 3P+N+E | 11 | | GW 60 728 H | | GW 60 762 H |
| | | | 3P+E | 3 | | GW 60 729 H | | GW 60 145 H |
| | | | 3P+N+E | 3 | | GW 60 730 H | | GW 60 763 H |
| | transf. | 50/60 Hz | 2P+E | 12 | | GW 60 731 H | | GW 60 764 H |
| | | | 3P+E | 12 | | GW 60 732 H | | GW 60 765 H |
| | > 50 ÷ 250V | dc | 2P+E | 3 | | GW 60 733 H | | GW 60 766 H |
| | > 250V | dc | 2P+E | 8 | | GW 60 734 H | | GW 60 767 H |



(*) Straight plugs with phase inverter.

16A AND 32A LOW VOLTAGE INDUSTRIAL PLUGS AND SOCKET-OUTLETS IEC 309 STANDARDS - IEC 309 HP





| Straight connectors IP44/IP54 | | Straight connectors IP66/IP67/IP68/IP69 | | 10° flush-mounting socket-outlets IP44/IP45 | | 10° flush-mounting socket-outlets IP66/IP67 | | APPLICATIONS |
|----------------------------------|--------------|--|--------------|--|------------------|--|--------------|--|
| Fast wiring | Screw wiring | Fast wiring | Screw wiring | Fast wiring | Screw wiring | Fast wiring | Screw wiring | |
| GW 62 001 FH | GW 62 001 H | GW 62 023 FH | GW 62 023 H | GW 62 201 FH | GW 62 201 H | GW 62 224 FH | GW 62 224 H | Standard use |
| GW 62 002 FH | GW 62 002 H | GW 62 024 FH | GW 62 024 H | GW 62 202 FH | GW 62 202 H | GW 62 225 FH | GW 62 225 H | |
| GW 62 003 FH | GW 62 003 H | GW 62 025 FH | GW 62 025 H | GW 62 203 FH | GW 62 203 H | GW 62 226 FH | GW 62 226 H | |
| GW 62 004 FH | GW 62 004 H | GW 62 026 FH | GW 62 026 H | GW 62 205 FH | GW 62 205 H (**) | GW 62 227 FH | GW 62 227 H | |
| GW 62 005 FH | GW 62 005 H | GW 62 027 FH | GW 62 027 H | GW 62 206 FH | GW 62 206 H | GW 62 228 FH | GW 62 228 H | |
| GW 62 006 FH | GW 62 006 H | GW 62 028 FH | GW 62 028 H | GW 62 207 FH | GW 62 207 H | GW 62 229 FH | GW 62 229 H | |
| GW 62 007 FH | GW 62 007 H | GW 62 029 FH | GW 62 029 H | GW 62 208 FH | GW 62 208 H | GW 62 230 FH | GW 62 230 H | |
| GW 62 008 FH | GW 62 008 H | GW 62 030 FH | GW 62 030 H | GW 62 209 FH | GW 62 209 H | GW 62 231 FH | GW 62 231 H | |
| GW 62 009 FH | GW 62 009 H | GW 62 031 FH | GW 62 031 H | GW 62 210 FH | GW 62 210 H | GW 62 232 FH | GW 62 232 H | |
| | GW 62 701 H | | GW 62 735 H | | GW 62 801 H | | GW 62 835 H | Use with particular voltage |
| | GW 62 010 H | | GW 62 032 H | | GW 62 211 H | | GW 62 233 H | |
| | GW 62 011 H | | GW 62 033 H | | GW 62 212 H | | GW 62 234 H | |
| | GW 62 702 H | | GW 62 736 H | | GW 62 802 H | | GW 62 836 H | |
| | GW 62 703 H | | GW 62 737 H | | GW 62 803 H | | GW 62 837 H | Use with high frequencies |
| | GW 62 704 H | | GW 62 738 H | | GW 62 804 H | | GW 62 838 H | |
| | GW 62 705 H | | GW 62 739 H | | GW 62 805 H | | GW 62 839 H | |
| | GW 62 706 H | | GW 62 740 H | | GW 62 806 H | | GW 62 840 H | |
| | GW 62 707 H | | GW 62 741 H | | GW 62 807 H | | GW 62 841 H | |
| | GW 62 708 H | | GW 62 742 H | | GW 62 808 H | | GW 62 842 H | |
| | GW 62 709 H | | GW 62 743 H | | GW 62 809 H | | GW 62 843 H | |
| | GW 62 710 H | | GW 62 744 H | | GW 62 810 H | | GW 62 844 H | |
| | GW 62 711 H | | GW 62 745 H | | GW 62 811 H | | GW 62 845 H | Marine, port and naval, installations |
| | GW 62 712 H | | GW 62 746 H | | GW 62 812 H | | GW 62 846 H | Refrigeration containers |
| | GW 62 713 H | | GW 62 747 H | | GW 62 813 H | | GW 62 847 H | |
| | GW 62 714 H | | GW 62 748 H | | GW 62 814 H | | GW 62 848 H | Isolation transformers |
| | GW 62 715 H | | GW 62 749 H | | GW 62 815 H | | GW 62 849 H | |
| | GW 62 716 H | | GW 62 750 H | | GW 62 816 H | | GW 62 850 H | Use in direct current |
| | GW 62 717 H | | GW 62 751 H | | GW 62 817 H | | GW 62 851 H | |
| GW 62 012 FH | GW 62 012 H | GW 62 034 FH | GW 62 034 H | GW 62 213 FH | GW 62 213 H | GW 62 235 FH | GW 62 235 H | Standard use |
| GW 62 013 FH | GW 62 013 H | GW 62 035 FH | GW 62 035 H | GW 62 214 FH | GW 62 214 H | GW 62 236 FH | GW 62 236 H | |
| GW 62 014 FH | GW 62 014 H | GW 62 036 FH | GW 62 036 H | GW 62 215 FH | GW 62 215 H | GW 62 237 FH | GW 62 237 H | |
| GW 62 015 FH | GW 62 015 H | GW 62 037 FH | GW 62 037 H | GW 62 216 FH | GW 62 216 H | GW 62 238 FH | GW 62 238 H | |
| GW 62 016 FH | GW 62 016 H | GW 62 038 FH | GW 62 038 H | GW 62 217 FH | GW 62 217 H | GW 62 239 FH | GW 62 239 H | |
| GW 62 017 FH | GW 62 017 H | GW 62 039 FH | GW 62 039 H | GW 62 218 FH | GW 62 218 H | GW 62 240 FH | GW 62 240 H | |
| GW 62 018 FH | GW 62 018 H | GW 62 040 FH | GW 62 040 H | GW 62 219 FH | GW 62 219 H | GW 62 241 FH | GW 62 241 H | |
| GW 62 019 FH | GW 62 019 H | GW 62 041 FH | GW 62 041 H | GW 62 220 FH | GW 62 220 H | GW 62 242 FH | GW 62 242 H | |
| GW 62 020 FH | GW 62 020 H | GW 62 042 FH | GW 62 042 H | GW 62 221 FH | GW 62 221 H | GW 62 243 FH | GW 62 243 H | |
| | GW 62 718 H | | GW 62 752 H | | GW 62 818 H | | GW 62 852 H | Use with particular voltage |
| | GW 62 021 H | | GW 62 043 H | | GW 62 222 H | | GW 62 244 H | |
| | GW 62 022 H | | GW 62 044 H | | GW 62 223 H | | GW 62 245 H | |
| | GW 62 719 H | | GW 62 753 H | | GW 62 819 H | | GW 62 853 H | |
| | GW 62 720 H | | GW 62 754 H | | GW 62 820 H | | GW 62 854 H | Use with high frequencies |
| | GW 62 721 H | | GW 62 755 H | | GW 62 821 H | | GW 62 855 H | |
| | GW 62 722 H | | GW 62 756 H | | GW 62 822 H | | GW 62 856 H | |
| | GW 62 723 H | | GW 62 757 H | | GW 62 823 H | | GW 62 857 H | |
| | GW 62 724 H | | GW 62 758 H | | GW 62 824 H | | GW 62 858 H | |
| | GW 62 725 H | | GW 62 759 H | | GW 62 825 H | | GW 62 859 H | |
| | GW 62 726 H | | GW 62 760 H | | GW 62 826 H | | GW 62 860 H | |
| | GW 62 727 H | | GW 62 761 H | | GW 62 827 H | | GW 62 861 H | |
| | GW 62 728 H | | GW 62 762 H | | GW 62 828 H | | GW 62 862 H | Marine, port and naval, installations |
| | GW 62 729 H | | GW 62 128 H | | GW 62 829 H | | GW 62 283 H | |
| | GW 62 730 H | | GW 62 763 H | | GW 62 830 H | | GW 62 863 H | Refrigeration containers |
| | GW 62 731 H | | GW 62 764 H | | GW 62 831 H | | GW 62 864 H | |
| | GW 62 732 H | | GW 62 765 H | | GW 62 832 H | | GW 62 865 H | Isolation transformers |
| | GW 62 733 H | | GW 62 766 H | | GW 62 833 H | | GW 62 866 H | |
| | GW 62 734 H | | GW 62 767 H | | GW 62 834 H | | GW 62 867 H | Use in direct current |

(**) APPLICATION: GW62204, cap of reduced dimensions (62 x 62mm) for use in restricted spaces..





IEC 309 HP


| 63A AND 125A LOW VOLTAGE INDUSTRIAL PLUGS AND SOCKET-OUTLETS IEC 309 STANDARDS - IEC 309 HP | | | | | | |
|---|-----------------------|----------------|--------|----------------|--|--|
| Rated current (In) | Rated voltage (Un) | Frequency | Poles | Reference h | Straight mobile plugs IP44/IP54 | Straight mobile plugs IP66/IP67/IP68/IP69 |
| | | | | |  Mantle connection |  Mantle connection |
| 63 A | 100 ÷ 130 V | 50/60 Hz | 2P+E | 4 | GW 61 013 H | GW 61 045 H |
| | | | 3P+E | 4 | GW 61 014 H | GW 61 046 H |
| | | | 3P+N+E | 4 | GW 61 015 H | GW 61 047 H |
| | 200 ÷ 250 V | 50/60 Hz | 2P+E | 6 | GW 61 016 H | GW 61 048 H |
| | | | 3P+E | 9 | GW 61 017 H | GW 61 049 H |
| | | | 3P+N+E | 9 | GW 61 018 H | GW 61 050 H |
| | 380 ÷ 415 V | 50/60 Hz | 2P+E | 9 | GW 61 019 H | GW 61 051 H |
| | | | 3P+E | 6 | GW 61 020 H | GW 61 052 H |
| | | | 3P+N+E | 6 | GW 61 021 H | GW 61 053 H |
| | 480 ÷ 500 V | 50/60 Hz | 2P+E | 7 | | GW 61 056 H |
| | | | 3P+E | 7 | | GW 61 054 H |
| | | | 3P+N+E | 7 | | GW 61 055 H |
| | 600 ÷ 690 V | 50/60 Hz | 3P+E | 5 | | GW 61 057 H |
| | | | 3P+N+E | 5 | | GW 61 058 H |
| | > 50 V | 100 ÷ 300 Hz | 2P+E | 10 | | GW 61 059 H |
| | | | 3P+E | 10 | | GW 61 060 H |
| | | | 3P+N+E | 10 | | GW 61 061 H |
| | > 50 V | > 300 ÷ 500 Hz | 2P+E | 2 | | GW 61 062 H |
| | | | 3P+E | 2 | | GW 61 063 H |
| | | | 3P+N+E | 2 | | GW 61 064 H |
| | 440 ÷ 460 V | 60 Hz | 3P+E | 11 | | GW 61 065 H |
| | | | 3P+N+E | 11 | | GW 61 066 H |
| | > 50 ÷ 250V | dc | 2P+E | 3 | | GW 61 067 H |
| | > 250V | dc | 2P+E | 8 | | GW 61 068 H |
| 125 A | 100 ÷ 130 V | 50/60 Hz | 2P+E | 4 | | GW 60 664 H |
| | | | 3P+E | 4 | | GW 60 056 H |
| | | | 3P+N+E | 4 | | GW 60 057 H |
| | 200 ÷ 250 V | 50/60 Hz | 2P+E | 6 | | GW 60 665 H |
| | | | 3P+E | 9 | | GW 60 058 H |
| | | | 3P+N+E | 9 | | GW 60 059 H |
| | 380 ÷ 415 V | 50/60 Hz | 2P+E | 9 | | GW 60 666 H |
| | | | 3P+E | 6 | | GW 60 060 H |
| | | | 3P+N+E | 6 | | GW 60 061 H |
| | 480 ÷ 500 V | 50/60 Hz | 2P+E | 7 | | GW 60 667 H |
| | | | 3P+E | 7 | | GW 60 062 H |
| | | | 3P+N+E | 7 | | GW 60 063 H |
| | 600 ÷ 690 V | 50/60 Hz | 3P+E | 5 | | GW 60 668 H |
| | | | 3P+N+E | 5 | | GW 60 669 H |
| | > 50 V | 100 ÷ 300 Hz | 2P+E | 10 | | GW 60 670 H |
| | | | 3P+E | 10 | | GW 60 671 H |
| | | | 3P+N+E | 10 | | GW 60 672 H |
| | > 50 V | > 300 ÷ 500 Hz | 2P+E | 2 | | GW 60 673 H |
| | | | 3P+E | 2 | | GW 60 674 H |
| | | | 3P+N+E | 2 | | GW 60 675 H |
| | 440 ÷ 460 V | 60 Hz | 3P+E | 11 | | GW 60 676 H |
| | | | 3P+N+E | 11 | | GW 60 677 H |

Notes: all plugs are equipped with pilot contact.
 (*) Connectors equipped with pilot contact (screw wiring).
 (**) Connectors equipped with clean contact.







| Straight mobile connectors IP44/IP54  | Straight connectors IP66/IP67/IP68/IP69  | 10° fixed flush-mounting socket- outlets IP44/IP54  | 10° fixed flush-mounting socket- outlets IP66/IP67  | APPLICATIONS |
|--|---|--|--|---------------------------------------|
| Mantle connection | Mantle connection | Mantle connection | Mantle connection | Standard use |
| GW 63 013 H | GW 63 045 H | GW 63 213 H | GW 63 246 H | |
| GW 63 014 H | GW 63 046 H | GW 63 214 H | GW 63 247 H | |
| GW 63 015 H | GW 63 047 H | GW 63 215 H | GW 63 248 H | |
| GW 63 016 H | GW 63 048 H | GW 63 216 H | GW 63 249 H | |
| | GW 63 048 PH* | | GW 63 249 PH* | |
| GW 63 017 H | GW 63 049 H | GW 63 217 H | GW 63 250 H | |
| GW 63 018 H | GW 63 050 H | GW 63 218 H | GW 63 251 H | |
| GW 63 019 H | GW 63 051 H | GW 63 219 H | GW 63 252 H | |
| GW 63 020 H | GW 63 052 H | GW 63 220 H | GW 63 253 H | |
| | GW 63 052 PH* | | GW 63 253 PH* | |
| GW 63 021 H | GW 63 053 H | GW 63 221 H | GW 63 254 H | |
| | GW 63 053 PH* | | GW 63 254 PH* | |
| | GW 63 056 H | | GW 63 257 H | Use with particular voltage |
| | GW 63 054 H | | GW 63 255 H | |
| | GW 63 055 H | | GW 63 256 H | |
| | GW 63 057 H | | GW 63 258 H | |
| | GW 63 058 H | | GW 63 259 H | |
| | GW 63 059 H | | GW 63 260 H | Use with high frequencies |
| | GW 63 060 H | | GW 63 261 H | |
| | GW 63 061 H | | GW 63 262 H | |
| | GW 63 062 H | | GW 63 263 H | |
| | GW 63 063 H | | GW 63 264 H | |
| | GW 63 064 H | | GW 63 265 H | Marine, port and naval, installations |
| | GW 63 065 H | | GW 63 266 H | |
| | GW 63 066 H | | GW 63 267 H | |
| | GW 63 067 H | | GW 63 268 H | |
| | GW 63 068 H | | GW 63 269 H | |
| | GW 62 664 H | | GW 62 965 H | Standard use |
| | GW 62 056 H | | GW 62 257 H | |
| | GW 62 057 H | | GW 62 258 H | |
| | GW 62 665 H | | GW 62 966 H | |
| | GW 62 058 H | | GW 62 259 H | |
| | GW 62 059 H | | GW 62 260 H | |
| | GW 62 666 H | | GW 62 967 H | |
| | GW 62 060 H | | GW 62 261 H | |
| | | | GW 62 261 PH* | |
| | GW 62 060 PH* | | GW 68 785** | |
| | GW 62 061 H | | GW 62 262 H | |
| | | | GW 62 262 PH* | |
| | GW 62 061 PH* | | GW 68 786** | |
| | GW 62 667 H | | GW 62 968 H | |
| | GW 62 062 H | | GW 62 263 H | Use with particular voltage |
| | GW 62 063 H | | GW 62 264 H | |
| | GW 62 668 H | | GW 62 969 H | |
| | GW 62 669 H | | GW 62 970 H | |
| | GW 62 670 H | | GW 62 971 H | Use with high frequencies |
| | GW 62 671 H | | GW 62 972 H | |
| | GW 62 672 H | | GW 62 973 H | |
| | GW 62 673 H | | GW 62 974 H | |
| | GW 62 674 H | | GW 62 975 H | Marine, port and naval, installations |
| | GW 62 675 H | | GW 62 976 H | |
| | GW 62 676 H | | GW 62 977 H | |
| | GW 62 677 H | | GW 62 978 H | |

IEC 309 HP

| 16-32-63-125A LOW VOLTAGE INDUSTRIAL PLUGS AND SOCKET-OUTLETS COMPLYING WITH IEC 309 STANDARDS | | | | | | | | |
|--|--------------------|---------------|--------|-------------|--|--|--|--|
| Rated current (In) | Rated voltage (Un) | Frequency | Poles | Reference h | 90° plugs IP44 | 90° plugs IP67 | Straight flush-mounting inlets IP44 | Straight flush-mounting inlets IP67 |
| | | | | |  Screw wiring |  Screw wiring |  Screw wiring |  Screw wiring |
| 16 A | 100 ÷ 130 V | 50/60 Hz | 2P+E | 4 | GW 60 082 | GW 60 105 | GW 60 201 | GW 60 223 |
| | | | 3P+E | 4 | GW 60 083 | GW 60 106 | GW 60 202 | GW 60 224 |
| | | | 3P+N+E | 4 | GW 60 084 | GW 60 107 | GW 60 203 | GW 60 225 |
| | 200 ÷ 250 V | 50/60 Hz | 2P+E | 6 | GW 60 085 | GW 60 108 | GW 60 204 | GW 60 226 |
| | | | 3P+E | 9 | GW 60 086 | GW 60 109 | GW 60 205 | GW 60 227 |
| | | | 3P+N+E | 9 | GW 60 087 | GW 60 110 | GW 60 206 | GW 60 228 |
| | 380 ÷ 415 V | 50/60 Hz | 2P+E | 9 | GW 60 088 | GW 60 111 | GW 60 207 | GW 60 229 |
| | | | 3P+E | 6 | GW 60 089 | GW 60 112 | GW 60 208 | GW 60 230 |
| | | | 3P+N+E | 6 | GW 60 090 | GW 60 113 | GW 60 209 | GW 60 231 |
| | 480 ÷ 500 V | 50/60 Hz | 3P+E | 7 | GW 60 091 | GW 60 114 | GW 60 210 | GW 60 232 |
| | | | 3P+N+E | 7 | GW 60 092 | GW 60 115 | GW 60 211 | GW 60 233 |
| | | | 3P+N+E | 7 | GW 60 092 | GW 60 115 | GW 60 211 | GW 60 233 |
| 32 A | 100 ÷ 130 V | 50/60 Hz | 2P+E | 4 | GW 60 093 | GW 60 116 | GW 60 212 | GW 60 234 |
| | | | 3P+E | 4 | GW 60 094 | GW 60 117 | GW 60 213 | GW 60 235 |
| | | | 3P+N+E | 4 | GW 60 095 | GW 60 118 | GW 60 214 | GW 60 236 |
| | 200 ÷ 250 V | 50/60 Hz | 2P+E | 6 | GW 60 096 | GW 60 119 | GW 60 215 | GW 60 237 |
| | | | 3P+E | 9 | GW 60 097 | GW 60 120 | GW 60 216 | GW 60 238 |
| | | | 3P+N+E | 9 | GW 60 098 | GW 60 121 | GW 60 217 | GW 60 239 |
| | 380 ÷ 415 V | 50/60 Hz | 2P+E | 9 | GW 60 099 | GW 60 122 | GW 60 218 | GW 60 240 |
| | | | 3P+E | 6 | GW 60 101 | GW 60 123 | GW 60 219 | GW 60 241 |
| | | | 3P+N+E | 6 | GW 60 102 | GW 60 124 | GW 60 220 | GW 60 242 |
| | 480 ÷ 500 V | 50/60 Hz | 3P+E | 7 | GW 60 103 | GW 60 125 | GW 60 221 | GW 60 243 |
| | | | 3P+N+E | 7 | GW 60 104 | GW 60 126 | GW 60 222 | GW 60 244 |
| | | | 3P+N+E | 7 | GW 60 104 | GW 60 126 | GW 60 222 | GW 60 244 |
| | 380 V / 440 V | 50 Hz / 60 Hz | 3P+E | 3 | | GW 60 146 | | GW 60 268 |
| 63 A | 100 ÷ 130 V | 50/60 Hz | 2P+E | 4 | | | | |
| | | | 3P+E | 4 | | | | |
| | | | 3P+N+E | 4 | | | | |
| | 200 ÷ 250 V | 50/60 Hz | 2P+E | 6 | | | | |
| | | | 3P+E | 9 | | | | |
| | | | 3P+N+E | 9 | | | | |
| | 380 ÷ 415 V | 50/60 Hz | 2P+E | 9 | | | | |
| | | | 3P+E | 6 | | | | |
| | | | 3P+N+E | 6 | | | | |
| | 480 ÷ 500 V | 50/60 Hz | 3P+E | 7 | | | | |
| | | | 3P+N+E | 7 | | | | |
| | | | 3P+N+E | 7 | | | | |
| 125 A | 100 ÷ 130 V | 50/60 Hz | 3P+E | 4 | | | | |
| | | | 3P+N+E | 4 | | | | |
| | 200 ÷ 250 V | 50/60 Hz | 3P+E | 9 | | | | |
| | | | 3P+N+E | 9 | | | | |
| | 380 ÷ 415 V | 50/60 Hz | 3P+E | 6 | | | | |
| | | | 3P+N+E | 6 | | | | |
| | 480 ÷ 500 V | 50/60 Hz | 3P+E | 7 | | | | |
| | | | 3P+N+E | 7 | | | | |

| DOMESTIC SOCKET OUTLETS - IP54 | | | | | | |
|---|---|--------------------|--------------------|-------|-----------------|-----------|
|  | Description | Rated current (In) | Rated voltage (Un) | Poles | Dimensions (mm) | Code |
| | Domestic socket-outlets, German standard - IP54 | 16 A | 230V | 2P+E | 85x75 | GW 62 392 |
| | Domestic socket-outlets, German standard - IP54 | 16 A | 230V | 2P+E | 50x50 | GW 62 393 |
| | Domestic socket-outlets, French standard - IP54 | 16 A | 230V | 2P+E | 50x50 | GW 62 394 |

16-32-63-125A LOW VOLTAGE INDUSTRIAL PLUGS AND SOCKET-OUTLETS COMPLYING WITH IEC 309 STANDARDS

| 90° surface-mounting inlets IP44 | 90° surface-mounting inlets IP67 | 10° surface-mounting socket-outlets IP44 | 10° surface-mounting socket-outlets IP67 | 90° surface-mounting socket-outlets IP44 | 90° surface-mounting socket-outlets IP67 | APPLICATIONS |
|---|---|---|---|--|---|--------------------------------|
|  |  |  |  |  |  | |
| Screw wiring | Screw wiring | Screw wiring | Screw wiring | Screw wiring | Screw wiring | |
| GW 60 401 | GW 60 423 | GW 62 401 | GW 62 423 | GW 62 474 | GW 62 496 | Standard use |
| GW 60 402 | GW 60 424 | GW 62 402 | GW 62 424 | GW 62 475 | GW 62 497 | |
| GW 60 403 | GW 60 425 | GW 62 403 | GW 62 425 | GW 62 476 | GW 62 498 | |
| GW 60 404 | GW 60 426 | GW 62 404 | GW 62 426 | GW 62 477 | GW 62 499 | |
| GW 60 405 | GW 60 427 | GW 62 405 | GW 62 427 | GW 62 478 | GW 62 501 | |
| GW 60 406 | GW 60 428 | GW 62 406 | GW 62 428 | GW 62 479 | GW 62 502 | |
| GW 60 407 | GW 60 429 | GW 62 407 | GW 62 429 | GW 62 480 | GW 62 503 | |
| GW 60 408 | GW 60 430 | GW 62 408 | GW 62 430 | GW 62 481 | GW 62 504 | |
| GW 60 409 | GW 60 431 | GW 62 409 | GW 62 431 | GW 62 482 | GW 62 505 | |
| GW 60 410 | GW 60 432 | GW 62 410 | GW 62 432 | GW 62 483 | GW 62 506 | |
| GW 60 411 | GW 60 433 | GW 62 411 | GW 62 433 | GW 62 484 | GW 62 507 | Use with particular voltage |
| GW 60 412 | GW 60 434 | GW 62 412 | GW 62 434 | GW 62 485 | GW 62 508 | |
| GW 60 413 | GW 60 435 | GW 62 413 | GW 62 435 | GW 62 486 | GW 62 509 | Standard use |
| GW 60 414 | GW 60 436 | GW 62 414 | GW 62 436 | GW 62 487 | GW 62 510 | |
| GW 60 415 | GW 60 437 | GW 62 415 | GW 62 437 | GW 62 488 | GW 62 511 | |
| GW 60 416 | GW 60 438 | GW 62 416 | GW 62 438 | GW 62 489 | GW 62 512 | |
| GW 60 417 | GW 60 439 | GW 62 417 | GW 62 439 | GW 62 490 | GW 62 513 | |
| GW 60 418 | GW 60 440 | GW 62 418 | GW 62 440 | GW 62 491 | GW 62 514 | |
| GW 60 419 | GW 60 441 | GW 62 419 | GW 62 441 | GW 62 492 | GW 62 515 | |
| GW 60 420 | GW 60 442 | GW 62 420 | GW 62 442 | GW 62 493 | GW 62 516 | |
| GW 60 421 | GW 60 443 | GW 62 421 | GW 62 443 | GW 62 494 | GW 62 517 | |
| GW 60 422 | GW 60 444 | GW 62 422 | GW 62 444 | GW 62 495 | GW 62 518 | |
| | GW 60 482 | | GW 62 556 | | GW 62 557 | Refrigeration containers |
| | GW 61 445 | | GW 63 445 | | GW 63 519 | Standard use |
| | GW 61 446 | | GW 63 446 | | GW 63 520 | |
| | GW 61 447 | | GW 63 447 | | GW 63 521 | |
| | GW 61 448 | | GW 63 448 | | GW 63 522 | |
| | GW 61 449 | | GW 63 449 | | GW 63 523 | |
| | GW 61 450 | | GW 63 450 | | GW 63 524 | |
| | GW 61 451 | | GW 63 451 | | GW 63 525 | |
| | GW 61 452 | | GW 63 452 | | GW 63 526 | |
| | GW 61 453 | | GW 63 453 | | GW 63 527 | |
| | GW 61 454 | | GW 63 454 | | GW 63 528 | |
| | GW 61 455 | | GW 63 455 | | GW 63 529 | Use with particular voltage |
| | GW 60 456 | | | | GW 62 530 | |
| | GW 60 457 | | | | GW 62 531 | Standard use |
| | GW 60 458 | | | | GW 62 532 | |
| | GW 60 459 | | | | GW 62 533 | |
| | GW 60 460 | | | | GW 62 534 | |
| | GW 60 461 | | | | GW 62 535 | |
| | GW 60 462 | | | | GW 62 536 | Use with particular voltage |
| | GW 60 463 | | | | GW 62 537 | |

IEC 309 HP

Plugs and socket-outlets IEC 309 standard

The IEC 309 HP system comprises plugs and socket-outlets from 16 to 125 A in two different versions – straight mobile and 10° flush-mounting – which have IP44/IP54 and IP66/IP67/IP68/IP69 degrees of protection (IP68/IP69 only available for straight versions). The introduction of all the hours references for the earthing contact completes the range for specific applications and installations. The 16-32 A versions are available with screw wiring or fast wiring with spring terminals, while the 63-125A versions propose indirect wiring with mantle terminals.

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IEC 309 HP - LOW VOLTAGE FAST WIRING STRAIGHT PLUGS

IP44/IP54



GW 60 004 FH

LOW VOLTAGE FAST WIRING STRAIGHT PLUGS - HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 60 001 FH | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 25 |
| GW 60 002 FH | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 003 FH | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 50 |
| GW 60 004 FH | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 50 |
| GW 60 005 FH | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 60 006 FH | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 60 007 FH | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 15 |
| GW 60 008 FH | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 25 |
| GW 60 009 FH | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 50 |
| Rated current (A): 32 | | | | | | |
| GW 60 012 FH | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 013 FH | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 014 FH | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 015 FH | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 15 |
| GW 60 016 FH | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 60 017 FH | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 60 018 FH | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 15 |
| GW 60 019 FH | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 15 |
| GW 60 020 FH | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 15 |

NOTES: all products are packaged individually.
Halogen free according to EN 60754-2.
CHARACTERISTICS: connection technology with spring terminals. Nickel-plated pins.

IP66/IP67/IP68/IP69



GW 60 030 FH

LOW VOLTAGE FAST WIRING STRAIGHT PLUGS - HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 60 023 FH | 2P+E | 100-130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 60 024 FH | 3P+E | 100-130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 60 025 FH | 3P+N+E | 100-130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 60 026 FH | 2P+E | 200-250 V | ■ | 50/60 Hz | 6 | 50 |
| GW 60 027 FH | 3P+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 60 028 FH | 3P+N+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 60 029 FH | 2P+E | 380-415 V | ■ | 50/60 Hz | 9 | 15 |
| GW 60 030 FH | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 15 |
| GW 60 031 FH | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 25 |
| Rated current (A): 32 | | | | | | |
| GW 60 034 FH | 2P+E | 100-130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 60 035 FH | 3P+E | 100-130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 60 036 FH | 3P+N+E | 100-130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 60 037 FH | 2P+E | 200-250 V | ■ | 50/60 Hz | 6 | 15 |
| GW 60 038 FH | 3P+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 60 039 FH | 3P+N+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 60 040 FH | 2P+E | 380-415 V | ■ | 50/60 Hz | 9 | 15 |
| GW 60 041 FH | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 15 |
| GW 60 042 FH | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 15 |

NOTES: all products are packaged individually.

IP68: 2 bar/6 h in accordance with EN 60529 after ageing according to standard EN 60309.

IP69: in accordance with IEC 60529 after ageing according to standard EN 60309.

Halogen-free in compliance with EN 60754-2.

CHARACTERISTICS: connection technology with spring terminals. Nickel-plated plugs.

IEC 309 HP

IEC 309 HP - LOW VOLTAGE SCREW WIRING STRAIGHT PLUGS

IP44/IP54



GW 60 004 H

LOW VOLTAGE SCREW WIRING STRAIGHT PLUGS - HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|---------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 60 001 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 50 |
| GW 60 002 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 100 |
| GW 60 003 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 004 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 100 |
| GW 60 005 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 25 |
| GW 60 006 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 60 007 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 15 |
| GW 60 008 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 100 |
| GW 60 009 H | 3P+N+E | 380 - 415 V | Red | 50/60 Hz | 6 | 50 |
| GW 60 701 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 010 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 011 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 702 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 60 703 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 60 704 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 705 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 706 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 707 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 708 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 709 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 710 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 60 711 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 60 712 H | 3P+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 15 |
| GW 60 713 H | 3P+N+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 15 |
| GW 60 714 H | 2P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 60 715 H | 3P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 60 716 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | 15 |
| GW 60 717 H | 2P+E | >250 V | Grey | d.c. | 8 | 15 |
| Rated current (A): 32 | | | | | | |
| GW 60 012 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 013 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 014 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 015 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 25 |
| GW 60 016 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 50 |
| GW 60 017 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 60 018 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 15 |
| GW 60 019 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 50 |
| GW 60 020 H | 3P+N+E | 380 - 415 V | Red | 50/60 Hz | 6 | 50 |
| GW 60 718 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 021 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 022 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 719 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 60 720 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 60 721 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 722 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 723 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 724 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 725 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 726 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 727 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 60 728 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 60 729 H | 3P+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 15 |
| GW 60 730 H | 3P+N+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 15 |
| GW 60 731 H | 2P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 60 732 H | 3P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 60 733 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | 15 |
| GW 60 734 H | 2P+E | >250 V | Grey | d.c. | 8 | 15 |

NOTES: all products are packaged individually. Halogen free according to EN 60754-2.

CHARACTERISTICS: nickel-plated pins.

IP66/IP67/IP68/IP69



GW 60 030 H

LOW VOLTAGE SCREW WIRING STRAIGHT PLUGS - HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|---------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 60 023 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 25 |
| GW 60 024 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 025 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 026 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 100 |
| GW 60 027 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 60 028 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 60 029 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 15 |
| GW 60 030 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 25 |
| GW 60 031 H | 3P+N+E | 380 - 415 V | Red | 50/60 Hz | 6 | 25 |
| GW 60 735 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 032 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 033 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 736 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 60 737 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 60 738 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 739 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 740 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 741 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 742 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 743 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 744 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 60 745 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 60 746 H | 3P+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 15 |
| GW 60 747 H | 3P+N+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 15 |
| GW 60 748 H | 2P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 60 749 H | 3P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 60 750 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | 15 |
| GW 60 751 H | 2P+E | >250 V | Grey | d.c. | 8 | 15 |
| Rated current (A): 32 | | | | | | |
| GW 60 034 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 035 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 036 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 60 037 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 15 |
| GW 60 038 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 60 039 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 60 040 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 15 |
| GW 60 041 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 15 |
| GW 60 042 H | 3P+N+E | 380 - 415 V | Red | 50/60 Hz | 6 | 25 |
| GW 60 752 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 043 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 044 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 60 753 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 60 754 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 60 755 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 756 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 757 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 60 758 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 759 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 760 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 60 761 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 60 762 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 60 145 H | 3P+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 25 |
| GW 60 763 H | 3P+N+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 15 |
| GW 60 764 H | 2P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 60 765 H | 3P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 60 766 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | 15 |
| GW 60 767 H | 2P+E | >250 V | Grey | d.c. | 8 | 15 |

NOTES: all products are packaged individually. Halogen-free in compliance with EN 60754-2. IP68: 2 bar/6 h according EN 60529 after ageing according to standard EN 60309.

IP69: in accordance with IEC 60529 after ageing according to standard EN 60309.

CHARACTERISTICS: nickel-plated plugs.

IEC 309 HP



IEC 309 HP - LOW VOLTAGE SCREW WIRING STRAIGHT PLUGS WITH PHASE INVERTERS

IP44/IP54



GW 60 009 WH

LOW VOLTAGE SCREW WIRING STRAIGHT PLUGS WITH PHASE INVERTER - HIGH PERFORMANCE INVERTER

|  | |  | | | | |
|---|--------------|---|--------|-----------|-------------|-------------|
| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
| Rated current (A): 16 | | | | | | |
| GW 60 005 WH | 3P+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 60 006 WH | 3P+N+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 60 008 WH | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 15 |
| GW 60 009 WH | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 15 |
| Rated current (A): 32 | | | | | | |
| GW 60 016 WH | 3P+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 60 017 WH | 3P+N+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 60 019 WH | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 15 |
| GW 60 020 WH | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 15 |











NOTES: all products are packaged individually.
Halogen free according to EN 60754-2.
CHARACTERISTICS: nickel-plated pins.
allow the fast exchange of two phases by using a screwdriver to reverse the direction of rotation of three-phase motors.

IP66/IP67/IP68/IP69



GW 60 030 WH

LOW VOLTAGE SCREW WIRING STRAIGHT PLUGS WITH PHASE INVERTER - HIGH PERFORMANCE INVERTER

|  |  | | | | | |
|---|---|---------------|---|-----------|-------------|-------------|
| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
| Rated current (A): 16 | | | | | | |
| GW 60 027 WH | 3P+E | 200-250 V |  | 50/60 Hz | 9 | 15 |
| GW 60 028 WH | 3P+N+E | 200-250 V |  | 50/60 Hz | 9 | 15 |
| GW 60 030 WH | 3P+E | 380-415 V |  | 50/60 Hz | 6 | 15 |
| GW 60 031 WH | 3P+N+E | 380-415 V |  | 50/60 Hz | 6 | 15 |
| Rated current (A): 32 | | | | | | |
| GW 60 038 WH | 3P+E | 200-250 V |  | 50/60 Hz | 9 | 15 |
| GW 60 039 WH | 3P+N+E | 200-250 V |  | 50/60 Hz | 9 | 15 |
| GW 60 041 WH | 3P+E | 380-415 V |  | 50/60 Hz | 6 | 15 |
| GW 60 042 WH | 3P+N+E | 380-415 V |  | 50/60 Hz | 6 | 15 |

NOTES: all products are packaged individually.
Halogen-free in compliance with EN 60754-2.
IP68: 2 bar/6 h according EN 60529 after ageing according to standard EN 60309.
IP69: in accordance with IEC 60529 after ageing according to standard EN 60309.
CHARACTERISTICS: nickel-plated plugs.
Allow the fast exchange of two phases by using a screwdriver to reverse the direction of rotation of three-phase motors.

IEC 309 HP


IEC 309 HP - LOW VOLTAGE HIGH CURRENT STRAIGHT PLUGS WITH MANTLE CONNECTION

IP44/IP54



GW 61 016 H

LOW VOLTAGE HIGH CURRENT PROTECTED STRAIGHT PLUGS WITH MANTLE TERMINAL HIGH PERFORMANCE

|  | | | | | | |
|---|--------------|---------------|--------|-----------|-------------|-------------|
| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
| Rated current (A): 63 | | | | | | |
| GW 61 013 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 61 014 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 61 015 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 61 016 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 1/4 |
| GW 61 017 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 1/4 |
| GW 61 018 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 1/4 |
| GW 61 019 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 1/4 |
| GW 61 020 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 1/4 |
| GW 61 021 H | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | 1/4 |

NOTES: all products are packaged individually.
Halogen free in accordance with Standard EN 60754-2.
CHARACTERISTICS: connection technology with mantle terminals. Nickel-plated plugs.
Versions with pilot contact.

IP66/IP67/IP68/IP69



GW 61 053 H

LOW VOLTAGE HIGH CURRENT WATERTIGHT STRAIGHT PLUGS WITH MANTLE TERMINAL
HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|-------------------------------|--------------|---------------|--------|---------------|-------------|-------------|
| Rated current (A): 63 | | | | | | |
| GW 61 045 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 61 046 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 61 047 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 61 048 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 1/4 |
| GW 61 049 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 1/4 |
| GW 61 050 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 1/4 |
| GW 61 051 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 1/4 |
| GW 61 052 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 1/4 |
| GW 61 053 H | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | 1/4 |
| GW 61 056 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 1/4 |
| GW 61 054 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 1/4 |
| GW 61 055 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 1/4 |
| GW 61 057 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 1/4 |
| GW 61 058 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 1/4 |
| GW 61 059 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 1/4 |
| GW 61 060 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 1/4 |
| GW 61 061 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 1/4 |
| GW 61 062 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 1/4 |
| GW 61 063 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 1/4 |
| GW 61 064 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 1/4 |
| GW 61 065 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 1/4 |
| GW 61 066 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 1/4 |
| GW 61 067 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | 1/4 |
| GW 61 068 H | 2P+E | >250 V | Grey | d.c. | 8 | 1/4 |
| Rated current (A): 125 | | | | | | |
| GW 60 664 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/2 |
| GW 60 056 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/2 |
| GW 60 057 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/2 |
| GW 60 665 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 1/2 |
| GW 60 058 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 1/2 |
| GW 60 059 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 1/2 |
| GW 60 666 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 1/2 |
| GW 60 060 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 1/2 |
| GW 60 061 H | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | 1/2 |
| GW 60 667 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 1/2 |
| GW 60 062 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 1/2 |
| GW 60 063 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 1/2 |
| GW 60 668 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 1/2 |
| GW 60 669 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 1/2 |
| GW 60 670 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 1/2 |
| GW 60 671 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 1/2 |
| GW 60 672 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 1/2 |
| GW 60 673 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 1/2 |
| GW 60 674 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 1/2 |
| GW 60 675 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 1/2 |
| GW 60 676 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 1/2 |
| GW 60 677 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 1/2 |

NOTES: all products are packaged individually.

Halogen-free according to EN 60754-2.

IP68: 2 bar/ 6 h in accordance with EN60529 after ageing according to Standard EN60309.

IP69: in accordance with EN60529 after ageing according to Standard EN60309.

CHARACTERISTICS: connection technology with mantle terminals. Nickel-plated plugs.

Versions with pilot contact.


60 - LOW VOLTAGE SCREW WIRING 90° PLUGS

IP44



GW 60 085

LOW VOLTAGE SCREW WIRING 90° PLUGS

|  | | | | | | |
|---|--------------|---------------|--------|-----------|-------------|-------------|
| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
| Rated current (A): 16 | | | | | | |
| GW 60 082 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/40 |
| GW 60 083 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/20 |
| GW 60 084 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/20 |
| GW 60 085 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 10/40 |
| GW 60 086 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 10/20 |
| GW 60 087 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 10/20 |
| GW 60 088 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 10/20 |
| GW 60 089 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 10/40 |
| GW 60 090 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 10/40 |
| GW 60 091 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 10/20 |
| GW 60 092 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 10/20 |
| Rated current (A): 32 | | | | | | |
| GW 60 093 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 094 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 095 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 096 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 8/16 |
| GW 60 097 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 8/16 |
| GW 60 098 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 8/16 |
| GW 60 099 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 8/16 |
| GW 60 101 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 8/16 |
| GW 60 102 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 8/16 |
| GW 60 103 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 8/16 |
| GW 60 104 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 8/16 |


CHARACTERISTICS: PG16 cable gland for 16A versions; PG21 cable gland for 32A versions.

IP67



GW 60 112

LOW VOLTAGE SCREW WIRING 90° PLUGS

|  | | | | | | |
|---|--------------|---------------|--------|-----------|-------------|-------------|
| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
| Rated current (A): 16 | | | | | | |
| GW 60 105 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/20 |
| GW 60 106 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/20 |
| GW 60 107 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/20 |
| GW 60 108 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 10/40 |
| GW 60 109 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 10/20 |
| GW 60 110 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 10/20 |
| GW 60 111 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 10/20 |
| GW 60 112 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 10/40 |
| GW 60 113 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 10/40 |
| GW 60 114 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 10/20 |
| GW 60 115 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 10/20 |
| Rated current (A): 32 | | | | | | |
| GW 60 116 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 117 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 118 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 119 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 8/16 |
| GW 60 120 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 8/16 |
| GW 60 121 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 8/16 |
| GW 60 122 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 8/16 |
| GW 60 123 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 8/16 |
| GW 60 124 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 8/16 |
| GW 60 125 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 8/16 |
| GW 60 126 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 8/16 |
| GW 60 146 | 3P+E | 380-440 V | Red | 50/60 Hz | 3 | 8/16 |

CHARACTERISTICS: PG16 cable gland for 16A versions; PG21 cable gland for 32A versions.

60 - LOW VOLTAGE SCREW WIRING STRAIGHT FLUSH MOUNTING INLETS

IP44



GW 60 204

LOW VOLTAGE SCREW WIRING STRAIGHT FLUSH MOUNTING INLETS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|------------------------|-------------|
| Rated current (A): 16 | | | | | | | |
| GW 60 201 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 85x75 | 10/20 |
| GW 60 202 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 85x75 | 10/20 |
| GW 60 203 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 85x75 | 10/20 |
| GW 60 204 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 85x75 | 10/20 |
| GW 60 205 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 85x75 | 10/20 |
| GW 60 206 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 85x75 | 10/20 |
| GW 60 207 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 85x75 | 10/20 |
| GW 60 208 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 85x75 | 10/20 |
| GW 60 209 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 85x75 | 10/20 |
| GW 60 210 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 85x75 | 10/20 |
| GW 60 211 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 85x75 | 10/20 |
| Rated current (A): 32 | | | | | | | |
| GW 60 212 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 95x80 | 8/16 |
| GW 60 213 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 95x80 | 8/16 |
| GW 60 214 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 95x80 | 8/16 |
| GW 60 215 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 95x80 | 8/16 |
| GW 60 216 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 95x80 | 8/16 |
| GW 60 217 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 95x80 | 8/16 |
| GW 60 218 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 95x80 | 8/16 |
| GW 60 219 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 95x80 | 8/16 |
| GW 60 220 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 95x80 | 8/16 |
| GW 60 221 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 95x80 | 8/16 |
| GW 60 222 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 95x80 | 8/16 |

IP67



GW 60 231

LOW VOLTAGE SCREW WIRING STRAIGHT FLUSH MOUNTING INLETS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|------------------------|-------------|
| Rated current (A): 16 | | | | | | | |
| GW 60 223 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 85x75 | 10/20 |
| GW 60 224 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 85x75 | 10/20 |
| GW 60 225 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 85x75 | 10/20 |
| GW 60 226 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 85x75 | 10/20 |
| GW 60 227 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 85x75 | 10/20 |
| GW 60 228 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 85x75 | 10/20 |
| GW 60 229 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 85x75 | 10/20 |
| GW 60 230 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 85x75 | 10/20 |
| GW 60 231 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 85x75 | 10/20 |
| GW 60 232 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 85x75 | 10/20 |
| GW 60 233 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 85x75 | 10/20 |
| Rated current (A): 32 | | | | | | | |
| GW 60 234 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 95x80 | 8/16 |
| GW 60 235 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 95x80 | 8/16 |
| GW 60 236 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 95x80 | 8/16 |
| GW 60 237 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 95x80 | 8/16 |
| GW 60 238 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 95x80 | 8/16 |
| GW 60 239 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 95x80 | 8/16 |
| GW 60 240 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 95x80 | 8/16 |
| GW 60 241 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 95x80 | 8/16 |
| GW 60 242 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 95x80 | 8/16 |
| GW 60 243 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 95x80 | 8/16 |
| GW 60 244 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 95x80 | 8/16 |
| GW 60 268 | 3P+E | 380-440 V | Red | 50/60 Hz | 3 | 95x80 | 8/16 |

60 - LOW VOLTAGE SCREW WIRING 90° ANGLED SURFACE MOUNTING INLETS

IP44



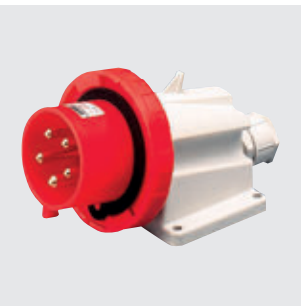
GW 60 404

LOW VOLTAGE SCREW WIRING 90° ANGLED SURFACE MOUNTING INLETS

| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|-----------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 60 401 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/40 |
| GW 60 402 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/20 |
| GW 60 403 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/20 |
| GW 60 404 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 10/40 |
| GW 60 405 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 10/20 |
| GW 60 406 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 10/20 |
| GW 60 407 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 10/20 |
| GW 60 408 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 10/40 |
| GW 60 409 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 10/40 |
| GW 60 410 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 10/20 |
| GW 60 411 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 10/20 |
| Rated current (A): 32 | | | | | | |
| GW 60 412 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 413 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 414 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 415 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 8/16 |
| GW 60 416 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 8/16 |
| GW 60 417 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 8/16 |
| GW 60 418 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 8/16 |
| GW 60 419 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 8/16 |
| GW 60 420 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 8/16 |
| GW 60 421 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 8/16 |
| GW 60 422 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 8/16 |

CHARACTERISTICS: Ø 20 mm cable gland for 16 A versions; Ø 23 mm cable gland for 32 A versions.

IP67



GW 60 431

LOW VOLTAGE SCREW WIRING 90° ANGLED SURFACE MOUNTING INLETS

| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|-----------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 60 423 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/20 |
| GW 60 424 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/20 |
| GW 60 425 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 10/20 |
| GW 60 426 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 10/40 |
| GW 60 427 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 10/20 |
| GW 60 428 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 10/20 |
| GW 60 429 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 10/20 |
| GW 60 430 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 10/40 |
| GW 60 431 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 10/20 |
| GW 60 432 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 10/20 |
| GW 60 433 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 10/20 |
| Rated current (A): 32 | | | | | | |
| GW 60 434 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 435 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 436 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 8/16 |
| GW 60 437 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 8/16 |
| GW 60 438 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 8/16 |
| GW 60 439 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 8/16 |
| GW 60 440 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 8/16 |
| GW 60 441 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 8/16 |
| GW 60 442 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 8/16 |
| GW 60 443 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 8/16 |
| GW 60 444 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 8/16 |
| GW 60 482 | 3P+E | 380-440 V | Red | 50/60 Hz | 3 | 8/16 |

CHARACTERISTICS: PG21 cable gland for 16-32A versions;

60/61 - 90° SURFACE-MOUNTING FIXED PLUGS WITH LOW VOLTAGE HIGH CURRENT MANTLE CONNECTION

IP67



GW 61 453

LOW VOLTAGE HIGH CURRENT FIXED WATERTIGHT 90° SURFACE-MOUNTING PLUGS WITH MANTLE CONNECTION



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|-------------------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 63 | | | | | | |
| GW 61 445 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 61 446 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 61 447 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 61 448 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 1/4 |
| GW 61 449 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 1/4 |
| GW 61 450 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 1/4 |
| GW 61 451 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 1/4 |
| GW 61 452 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 1/4 |
| GW 61 453 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 1/4 |
| GW 61 454 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 1/4 |
| GW 61 455 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 1/4 |
| Rated current (A): 125 | | | | | | |
| GW 60 456 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 1/2 |
| GW 60 457 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 1/2 |
| GW 60 458 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 1/2 |
| GW 60 459 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 1/2 |
| GW 60 460 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 1/2 |
| GW 60 461 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 1/2 |
| GW 60 462 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 1/2 |
| GW 60 463 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 1/2 |

CHARACTERISTICS: PG36 cable gland for 63A versions; PG48 cable gland for 125A versions. Equipped with pilot contact.

NOTES: Products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.

ACCESSORIES FOR PLUGS

WATERTIGHT



GW 60 263

WATERTIGHT COVERS FOR PLUGS

| Code | For inlets | Pack Carton |
|-------------------------------|--------------------|-------------|
| Rated current (A): 16 | | |
| GW 60 263 | 2P+E | 10/120 |
| GW 60 264 | 3P+E | 10/120 |
| GW 60 265 | 3P+N+E | 10/80 |
| Rated current (A): 32 | | |
| GW 60 266 | 2P+E and 3P+E | 8/64 |
| GW 60 267 | 3P+N+E | 8/64 |
| Rated current (A): 63 | | |
| GW 60 269 | 2P+E; 3P+E; 3P+N+E | 5/40 |
| Rated current (A): 125 | | |
| GW 60 270 | 2P+E; 3P+E; 3P+N+E | 5/20 |

APPLICATIONS: used to maintain the original IP degree on IEC 309 HP mobile or fixed plugs (up to IPPP/IP67/IP68/IP69).

IEC 309 HP - LOW VOLTAGE FAST WIRING STRAIGHT CONNECTORS

IP44/IP54



GW 62 004 FH

LOW VOLTAGE FAST WIRING STRAIGHT CONNECTORS - HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|-----------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 62 001 FH | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 62 002 FH | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 62 003 FH | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 62 004 FH | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 50 |
| GW 62 005 FH | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 62 006 FH | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 62 007 FH | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 15 |
| GW 62 008 FH | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 15 |
| GW 62 009 FH | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 15 |
| Rated current (A): 32 | | | | | | |
| GW 62 012 FH | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 62 013 FH | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 62 014 FH | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 62 015 FH | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 15 |
| GW 62 016 FH | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 62 017 FH | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 62 018 FH | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 15 |
| GW 62 019 FH | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 15 |
| GW 62 020 FH | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 15 |

NOTES: all products are packaged individually.
Halogen free according to EN 60754-2.
CHARACTERISTICS: connection technology with spring terminals. Nickel-plated contacts.

IP66/IP67/IP68/IP69



GW 62 030 FH

LOW VOLTAGE FAST WIRING STRAIGHT CONNECTORS - HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 62 023 FH | 2P+E | 100-130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 62 024 FH | 3P+E | 100-130 V | ■ | 50/60 Hz | 4 | 25 |
| GW 62 025 FH | 3P+N+E | 100-130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 62 026 FH | 2P+E | 200-250 V | ■ | 50/60 Hz | 6 | 50 |
| GW 62 027 FH | 3P+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 028 FH | 3P+N+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 029 FH | 2P+E | 380-415 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 030 FH | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 15 |
| GW 62 031 FH | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 25 |
| Rated current (A): 32 | | | | | | |
| GW 62 034 FH | 2P+E | 100-130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 62 035 FH | 3P+E | 100-130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 62 036 FH | 3P+N+E | 100-130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 62 037 FH | 2P+E | 200-250 V | ■ | 50/60 Hz | 6 | 15 |
| GW 62 038 FH | 3P+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 039 FH | 3P+N+E | 200-250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 040 FH | 2P+E | 380-415 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 041 FH | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 15 |
| GW 62 042 FH | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 15 |

NOTES: all products are packaged individually.

IP68: 2 bar/6 h according EN 60529 after ageing according to standard EN 60309.

IP69: in accordance with IEC 60529 after ageing according to standard EN 60309.

Halogen-free in compliance with EN 60754-2.

CHARACTERISTICS: connection technology with spring terminals. Nickel-plated contacts.

IEC 309 HP

IEC 309 HP - LOW VOLTAGE SCREW WIRING STRAIGHT CONNECTORS

IP44/IP54



GW 62 004 H

LOW VOLTAGE SCREW WIRING STRAIGHT CONNECTORS - HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|---------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 62 001 H | 2P+E | 100 - 130 V | ■ | 50/60 Hz | 4 | 50 |
| GW 62 002 H | 3P+E | 100 - 130 V | ■ | 50/60 Hz | 4 | 100 |
| GW 62 003 H | 3P+N+E | 100 - 130 V | ■ | 50/60 Hz | 4 | 25 |
| GW 62 004 H | 2P+E | 200 - 250 V | ■ | 50/60 Hz | 6 | 100 |
| GW 62 005 H | 3P+E | 200 - 250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 006 H | 3P+N+E | 200 - 250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 007 H | 2P+E | 380 - 415 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 008 H | 3P+E | 380 - 415 V | ■ | 50/60 Hz | 6 | 50 |
| GW 62 009 H | 3P+N+E | 380 - 415 V | ■ | 50/60 Hz | 6 | 25 |
| GW 62 701 H | 2P+E | 480 - 500 V | ■ | 50/60 Hz | 7 | 15 |
| GW 62 010 H | 3P+E | 480 - 500 V | ■ | 50/60 Hz | 7 | 15 |
| GW 62 011 H | 3P+N+E | 480 - 500 V | ■ | 50/60 Hz | 7 | 15 |
| GW 62 702 H | 3P+E | 600 - 690 V | ■ | 50/60 Hz | 5 | 15 |
| GW 62 703 H | 3P+N+E | 600 - 690 V | ■ | 50/60 Hz | 5 | 15 |
| GW 62 704 H | 2P+E | >50 V | ■ | 100 - 300 Hz | 10 | 15 |
| GW 62 705 H | 3P+E | >50 V | ■ | 100 - 300 Hz | 10 | 15 |
| GW 62 706 H | 3P+N+E | >50 V | ■ | 100 - 300 Hz | 10 | 15 |
| GW 62 707 H | 2P+E | >50 V | ■ | >300 - 500 Hz | 2 | 15 |
| GW 62 708 H | 3P+E | >50 V | ■ | >300 - 500 Hz | 2 | 15 |
| GW 62 709 H | 3P+N+E | >50 V | ■ | >300 - 500 Hz | 2 | 15 |
| GW 62 710 H | 3P+E | 440 - 460 V | ■ | 60 Hz | 11 | 15 |
| GW 62 711 H | 3P+N+E | 440 - 460 V | ■ | 60 Hz | 11 | 15 |
| GW 62 712 H | 3P+E | 380 V / 440 V | ■ | 50 Hz / 60 Hz | 3 | 15 |
| GW 62 713 H | 3P+N+E | 380 V / 440 V | ■ | 50 Hz / 60 Hz | 3 | 15 |
| GW 62 714 H | 2P+E | transf. | ■ | 50/60 Hz | 12 | 15 |
| GW 62 715 H | 3P+E | transf. | ■ | 50/60 Hz | 12 | 15 |
| GW 62 716 H | 2P+E | >50 - 250 V | ■ | d.c. | 3 | 15 |
| GW 62 717 H | 2P+E | >250 V | ■ | d.c. | 8 | 15 |
| Rated current (A): 32 | | | | | | |
| GW 62 012 H | 2P+E | 100 - 130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 62 013 H | 3P+E | 100 - 130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 62 014 H | 3P+N+E | 100 - 130 V | ■ | 50/60 Hz | 4 | 15 |
| GW 62 015 H | 2P+E | 200 - 250 V | ■ | 50/60 Hz | 6 | 25 |
| GW 62 016 H | 3P+E | 200 - 250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 017 H | 3P+N+E | 200 - 250 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 018 H | 2P+E | 380 - 415 V | ■ | 50/60 Hz | 9 | 15 |
| GW 62 019 H | 3P+E | 380 - 415 V | ■ | 50/60 Hz | 6 | 25 |
| GW 62 020 H | 3P+N+E | 380 - 415 V | ■ | 50/60 Hz | 6 | 25 |
| GW 62 718 H | 2P+E | 480 - 500 V | ■ | 50/60 Hz | 7 | 15 |
| GW 62 021 H | 3P+E | 480 - 500 V | ■ | 50/60 Hz | 7 | 15 |
| GW 62 022 H | 3P+N+E | 480 - 500 V | ■ | 50/60 Hz | 7 | 15 |
| GW 62 719 H | 3P+E | 600 - 690 V | ■ | 50/60 Hz | 5 | 15 |
| GW 62 720 H | 3P+N+E | 600 - 690 V | ■ | 50/60 Hz | 5 | 15 |
| GW 62 721 H | 2P+E | >50 V | ■ | 100 - 300 Hz | 10 | 15 |
| GW 62 722 H | 3P+E | >50 V | ■ | 100 - 300 Hz | 10 | 15 |
| GW 62 723 H | 3P+N+E | >50 V | ■ | 100 - 300 Hz | 10 | 15 |
| GW 62 724 H | 2P+E | >50 V | ■ | >300 - 500 Hz | 2 | 15 |
| GW 62 725 H | 3P+E | >50 V | ■ | >300 - 500 Hz | 2 | 15 |
| GW 62 726 H | 3P+N+E | >50 V | ■ | >300 - 500 Hz | 2 | 15 |
| GW 62 727 H | 3P+E | 440 - 460 V | ■ | 60 Hz | 11 | 15 |
| GW 62 728 H | 3P+N+E | 440 - 460 V | ■ | 60 Hz | 11 | 15 |
| GW 62 729 H | 3P+E | 380 V / 440 V | ■ | 50 Hz / 60 Hz | 3 | 15 |
| GW 62 730 H | 3P+N+E | 380 V / 440 V | ■ | 50 Hz / 60 Hz | 3 | 15 |
| GW 62 731 H | 2P+E | transf. | ■ | 50/60 Hz | 12 | 15 |
| GW 62 732 H | 3P+E | transf. | ■ | 50/60 Hz | 12 | 15 |
| GW 62 733 H | 2P+E | >50 - 250 V | ■ | d.c. | 3 | 15 |
| GW 62 734 H | 2P+E | >250 V | ■ | d.c. | 8 | 15 |

NOTES: all products are packaged individually. Halogen free according to EN 60754-2

CHARACTERISTICS: nickel-plated contacts.

IP66/IP67/IP68/IP69



GW 62 030 H

LOW VOLTAGE SCREW WIRING STRAIGHT CONNECTORS - HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|---------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 62 023 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 50 |
| GW 62 024 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 62 025 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 62 026 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 50 |
| GW 62 027 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 62 028 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 62 029 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 15 |
| GW 62 030 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 25 |
| GW 62 031 H | 3P+N+E | 380 - 415 V | Red | 50/60 Hz | 6 | 25 |
| GW 62 735 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 62 032 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 62 033 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 25 |
| GW 62 736 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 62 737 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 62 738 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 62 739 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 62 740 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 62 741 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 62 742 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 62 743 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 62 744 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 62 745 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 62 746 H | 3P+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 15 |
| GW 62 747 H | 3P+N+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 15 |
| GW 62 748 H | 2P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 62 749 H | 3P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 62 750 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | 15 |
| GW 62 751 H | 2P+E | >250 V | Grey | d.c. | 8 | 15 |
| Rated current (A): 32 | | | | | | |
| GW 62 034 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 62 035 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 62 036 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 15 |
| GW 62 037 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 15 |
| GW 62 038 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 62 039 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 15 |
| GW 62 040 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 15 |
| GW 62 041 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 15 |
| GW 62 042 H | 3P+N+E | 380 - 415 V | Red | 50/60 Hz | 6 | 15 |
| GW 62 752 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 62 043 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 62 044 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 15 |
| GW 62 753 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 62 754 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 15 |
| GW 62 755 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 62 756 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 62 757 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 15 |
| GW 62 758 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 62 759 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 62 760 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 15 |
| GW 62 761 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 62 762 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 15 |
| GW 62 128 H | 3P+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 25 |
| GW 62 763 H | 3P+N+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 15 |
| GW 62 764 H | 2P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 62 765 H | 3P+E | transf. | Grey | 50/60 Hz | 12 | 15 |
| GW 62 766 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | 15 |
| GW 62 767 H | 2P+E | >250 V | Grey | d.c. | 8 | 15 |

NOTES: all products are packaged individually. Halogen-free in compliance with EN 60754-2. IP68: 2 bar/6 h according to EN 60529 after ageing according to standard EN 60309..

IP69: in accordance with IEC 60529 after ageing according to standard EN 60309.

CHARACTERISTICS: nickel-plated contacts.

IEC 309 HP


IEC 309 HP - LOW VOLTAGE HIGH CURRENT STRAIGHT CONNECTORS WITH MANTLE CONNECTION

IP44/IP54



GW 63 016 H

LOW VOLTAGE HIGH CURRENT PROTECTED STRAIGHT CONNECTORS WITH MANTLE TERMINAL HIGH PERFORMANCE

|  | | | | | | |
|---|--------------|---------------|--------|-----------|-------------|-------------|
| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
| Rated current (A): 63 | | | | | | |
| GW 63 013 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 63 014 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 63 015 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 1/4 |
| GW 63 016 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 1/4 |
| GW 63 017 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 1/4 |
| GW 63 018 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 1/4 |
| GW 63 019 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 1/4 |
| GW 63 020 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 1/4 |
| GW 63 021 H | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | 1/4 |

NOTES: all products are packaged individually.
Halogen free in accordance with Standard EN 60754-2.
CHARACTERISTICS: connection technology with mantle terminals. nickel-plated contacts.
All the versions are available with a pilot contact upon request.

IP66/IP67/IP68/IP69



GW 63 053 H

LOW VOLTAGE HIGH CURRENT WATERTIGHT STRAIGHT CONNECTORS WITH MANTLE TERMINAL
HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Characteristics | Pack Carton |
|-------------------------------|--------------|---------------|--------|---------------|-------------|-----------------|-------------|
| Rated current (A): 63 | | | | | | | |
| GW 63 045 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 1/4 |
| GW 63 046 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 1/4 |
| GW 63 047 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 1/4 |
| GW 63 048 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | | 1/4 |
| GW 63 048 PH | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | Pilot contact | 1/4 |
| GW 63 049 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | | 1/4 |
| GW 63 050 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | | 1/4 |
| GW 63 051 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | | 1/4 |
| GW 63 052 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | | 1/4 |
| GW 63 052 PH | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | Pilot contact | 1/4 |
| GW 63 053 H | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | | 1/4 |
| GW 63 053 PH | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | Pilot contact | 1/4 |
| GW 63 056 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 1/4 |
| GW 63 054 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 1/4 |
| GW 63 055 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 1/4 |
| GW 63 057 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | | 1/4 |
| GW 63 058 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | | 1/4 |
| GW 63 059 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | | 1/4 |
| GW 63 060 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | | 1/4 |
| GW 63 061 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | | 1/4 |
| GW 63 062 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | | 1/4 |
| GW 63 063 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | | 1/4 |
| GW 63 064 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | | 1/4 |
| GW 63 065 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | | 1/4 |
| GW 63 066 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | | 1/4 |
| GW 63 067 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | | 1/4 |
| GW 63 068 H | 2P+E | >250 V | Grey | d.c. | 8 | | 1/4 |
| Rated current (A): 125 | | | | | | | |
| GW 62 664 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 1/2 |
| GW 62 056 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 1/2 |
| GW 62 057 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 1/2 |
| GW 62 665 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | | 1/2 |
| GW 62 058 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | | 1/2 |
| GW 62 059 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | | 1/2 |
| GW 62 666 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | | 1/2 |
| GW 62 060 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | | 1/2 |
| GW 62 060 PH | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | Pilot contact | 1/2 |
| GW 62 061 H | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | | 1/2 |
| GW 62 061 PH | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | Pilot contact | 1/2 |
| GW 62 667 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 1/2 |
| GW 62 062 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 1/2 |
| GW 62 063 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 1/2 |
| GW 62 668 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | | 1/2 |
| GW 62 669 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | | 1/2 |
| GW 62 670 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | | 1/2 |
| GW 62 671 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | | 1/2 |
| GW 62 672 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | | 1/2 |
| GW 62 673 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | | 1/2 |
| GW 62 674 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | | 1/2 |
| GW 62 675 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | | 1/2 |
| GW 62 676 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | | 1/2 |
| GW 62 677 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | | 1/2 |

NOTES: all products are packaged individually. Halogen-free according to EN 60754-2.

IP68: 2 bar/ 6 h in accordance with EN60529 after ageing according to Standard EN60309.

IP69: in accordance with EN60529 after ageing according to Standard EN60309.

GW63048PH, GW63052PH, GW63053PH, GW62060PH, GW62061PH: connectors with pilot contact and direct screw wiring.

CHARACTERISTICS: connection technology with mantle terminals. nickel-plated contacts.

All the versions are available with a pilot contact upon request.

IEC 309 HP

IEC 309 HP - LOW VOLTAGE FAST WIRING 10° ANGLED FLUSH-MOUNTING SOCKET-OUTLETS

IP44/IP54



GW 62 205 FH

LOW VOLTAGE FAST WIRING 10° ANGLED FLUSH-MOUNTING SOCKET-OUTLETS HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|------------------------|-------------|
| Rated current (A): 16 | | | | | | | |
| GW 62 201 FH | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 85x75 | 15 |
| GW 62 202 FH | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 85x75 | 15 |
| GW 62 203 FH | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 85x75 | 15 |
| GW 62 205 FH | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 85x75 | 25 |
| GW 62 206 FH | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 85x75 | 15 |
| GW 62 207 FH | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 85x75 | 15 |
| GW 62 208 FH | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 85x75 | 15 |
| GW 62 209 FH | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 85x75 | 15 |
| GW 62 210 FH | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 85x75 | 15 |
| Rated current (A): 32 | | | | | | | |
| GW 62 213 FH | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 95x80 | 15 |
| GW 62 214 FH | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 95x80 | 15 |
| GW 62 215 FH | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 95x80 | 15 |
| GW 62 216 FH | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 95x80 | 15 |
| GW 62 217 FH | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 218 FH | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 219 FH | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 220 FH | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 95x80 | 15 |
| GW 62 221 FH | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 95x80 | 15 |

NOTES: all products are packaged individually.

Halogen free according to EN 60754-2.

CHARACTERISTICS. connection technology with spring terminals. Nickel-plated contacts.

IP66/IP67



GW 62 231 FH

LOW VOLTAGE FAST WIRING 10° ANGLED FLUSH-MOUNTING SOCKET-OUTLETS HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|------------------------|-------------|
| Rated current (A): 16 | | | | | | | |
| GW 62 224 FH | 2P+E | 100-130 V | ■ | 50/60 Hz | 4 | 85x75 | 15 |
| GW 62 225 FH | 3P+E | 100-130 V | ■ | 50/60 Hz | 4 | 85x75 | 15 |
| GW 62 226 FH | 3P+N+E | 100-130 V | ■ | 50/60 Hz | 4 | 85x75 | 15 |
| GW 62 227 FH | 2P+E | 200-250 V | ■ | 50/60 Hz | 6 | 85x75 | 25 |
| GW 62 228 FH | 3P+E | 200-250 V | ■ | 50/60 Hz | 9 | 85x75 | 15 |
| GW 62 229 FH | 3P+N+E | 200-250 V | ■ | 50/60 Hz | 9 | 85x75 | 15 |
| GW 62 230 FH | 2P+E | 380-415 V | ■ | 50/60 Hz | 9 | 85x75 | 15 |
| GW 62 231 FH | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 85x75 | 15 |
| GW 62 232 FH | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 85x75 | 15 |
| Rated current (A): 32 | | | | | | | |
| GW 62 235 FH | 2P+E | 100-130 V | ■ | 50/60 Hz | 4 | 95x80 | 15 |
| GW 62 236 FH | 3P+E | 100-130 V | ■ | 50/60 Hz | 4 | 95x80 | 15 |
| GW 62 237 FH | 3P+N+E | 100-130 V | ■ | 50/60 Hz | 4 | 95x80 | 15 |
| GW 62 238 FH | 2P+E | 200-250 V | ■ | 50/60 Hz | 6 | 95x80 | 15 |
| GW 62 239 FH | 3P+E | 200-250 V | ■ | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 240 FH | 3P+N+E | 200-250 V | ■ | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 241 FH | 2P+E | 380-415 V | ■ | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 242 FH | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 95x80 | 15 |
| GW 62 243 FH | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 95x80 | 15 |

NOTES: all products are packaged individually.

Halogen free according to EN 60754-2.

CHARACTERISTICS: connection technology with spring terminals. Nickel-plated contacts.

IEC 309 HP

IEC 309 HP - LOW VOLTAGE SCREW WIRING 10° ANGLED FLUSH-MOUNTING SOCKET-OUTLETS

IP44/IP54



GW 62 205 H

LOW VOLTAGE SCREW WIRING 10° ANGLED FLUSH-MOUNTING SOCKET-OUTLETS - HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|------------------------------|--------------|---------------|--------|---------------|-------------|------------------------|-------------|
| Rated current (A): 16 | | | | | | | |
| GW 62 201 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 85x75 | 50 |
| GW 62 202 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 85x75 | 15 |
| GW 62 203 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 85x75 | 15 |
| GW 62 205 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 85x75 | 100 |
| GW 62 206 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 85x75 | 25 |
| GW 62 207 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 85x75 | 15 |
| GW 62 208 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 85x75 | 15 |
| GW 62 209 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 85x75 | 50 |
| GW 62 210 H | 3P+N+E | 380 - 415 V | Red | 50/60 Hz | 6 | 85x75 | 50 |
| GW 62 801 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 85x75 | 15 |
| GW 62 211 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 85x75 | 15 |
| GW 62 212 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 85x75 | 15 |
| GW 62 802 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 85x75 | 15 |
| GW 62 803 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 85x75 | 15 |
| GW 62 804 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 85x75 | 15 |
| GW 62 805 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 85x75 | 15 |
| GW 62 806 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 85x75 | 15 |
| GW 62 807 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 85x75 | 15 |
| GW 62 808 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 85x75 | 15 |
| GW 62 809 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 85x75 | 15 |
| GW 62 810 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 85x75 | 15 |
| GW 62 811 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 85x75 | 15 |
| GW 62 812 H | 3P+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 85x75 | 15 |
| GW 62 813 H | 3P+N+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 85x75 | 15 |
| GW 62 814 H | 2P+E | transf. | Grey | 50/60 Hz | 12 | 85x75 | 15 |
| GW 62 815 H | 3P+E | transf. | Grey | 50/60 Hz | 12 | 85x75 | 15 |
| GW 62 816 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | 85x75 | 15 |
| GW 62 817 H | 2P+E | >250 V | Grey | d.c. | 8 | 85x75 | 15 |
| Rated current (A): 32 | | | | | | | |
| GW 62 213 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 95x80 | 15 |
| GW 62 214 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 95x80 | 15 |
| GW 62 215 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 95x80 | 15 |
| GW 62 216 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 95x80 | 25 |
| GW 62 217 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 218 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 219 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 220 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 95x80 | 15 |
| GW 62 221 H | 3P+N+E | 380 - 415 V | Red | 50/60 Hz | 6 | 95x80 | 25 |
| GW 62 818 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 95x80 | 15 |
| GW 62 222 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 95x80 | 15 |
| GW 62 223 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 95x80 | 15 |
| GW 62 819 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 95x80 | 15 |
| GW 62 820 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 95x80 | 15 |
| GW 62 821 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 95x80 | 15 |
| GW 62 822 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 95x80 | 15 |
| GW 62 823 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 95x80 | 15 |
| GW 62 824 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 95x80 | 15 |
| GW 62 825 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 95x80 | 15 |
| GW 62 826 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 95x80 | 15 |
| GW 62 827 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 95x80 | 15 |
| GW 62 828 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 95x80 | 15 |
| GW 62 829 H | 3P+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 95x80 | 15 |
| GW 62 830 H | 3P+N+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 95x80 | 15 |
| GW 62 831 H | 2P+E | transf. | Grey | 50/60 Hz | 12 | 95x80 | 15 |
| GW 62 832 H | 3P+E | transf. | Grey | 50/60 Hz | 12 | 95x80 | 15 |
| GW 62 833 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | 95x80 | 15 |
| GW 62 834 H | 2P+E | >250 V | Grey | d.c. | 8 | 95x80 | 15 |

NOTES: all products are packaged individually. Halogen free according to EN 60754-2

CHARACTERISTICS: nickel-plated contacts.

IP66/IP67



GW 62 231 H

LOW VOLTAGE SCREW WIRING 10° ANGLED FLUSH-MOUNTING SOCKET-OUTLETS - HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|------------------------------|--------------|---------------|--------|---------------|-------------|------------------------|-------------|
| Rated current (A): 16 | | | | | | | |
| GW 62 224 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 85x75 | 25 |
| GW 62 225 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 85x75 | 15 |
| GW 62 226 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 85x75 | 15 |
| GW 62 227 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 85x75 | 100 |
| GW 62 228 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 85x75 | 15 |
| GW 62 229 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 85x75 | 15 |
| GW 62 230 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 85x75 | 15 |
| GW 62 231 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 85x75 | 25 |
| GW 62 232 H | 3P+N+E | 380 - 415 V | Red | 50/60 Hz | 6 | 85x75 | 25 |
| GW 62 835 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 85x75 | 15 |
| GW 62 233 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 85x75 | 15 |
| GW 62 234 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 85x75 | 15 |
| GW 62 836 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 85x75 | 15 |
| GW 62 837 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 85x75 | 15 |
| GW 62 838 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 85x75 | 15 |
| GW 62 839 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 85x75 | 15 |
| GW 62 840 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 85x75 | 15 |
| GW 62 841 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 85x75 | 15 |
| GW 62 842 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 85x75 | 15 |
| GW 62 843 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 85x75 | 15 |
| GW 62 844 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 85x75 | 15 |
| GW 62 845 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 85x75 | 15 |
| GW 62 846 H | 3P+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 85x75 | 15 |
| GW 62 847 H | 3P+N+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 85x75 | 15 |
| GW 62 848 H | 2P+E | transf. | Grey | 50/60 Hz | 12 | 85x75 | 15 |
| GW 62 849 H | 3P+E | transf. | Grey | 50/60 Hz | 12 | 85x75 | 15 |
| GW 62 850 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | 85x75 | 15 |
| GW 62 851 H | 2P+E | >250 V | Grey | d.c. | 8 | 85x75 | 15 |
| Rated current (A): 32 | | | | | | | |
| GW 62 235 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 95x80 | 25 |
| GW 62 236 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 95x80 | 15 |
| GW 62 237 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | 95x80 | 15 |
| GW 62 238 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | 95x80 | 15 |
| GW 62 239 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 240 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 241 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | 95x80 | 15 |
| GW 62 242 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | 95x80 | 15 |
| GW 62 243 H | 3P+N+E | 380 - 415 V | Red | 50/60 Hz | 6 | 95x80 | 15 |
| GW 62 852 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 95x80 | 15 |
| GW 62 244 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | 95x80 | 15 |
| GW 62 245 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | 95x80 | 15 |
| GW 62 853 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | 95x80 | 15 |
| GW 62 854 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | 95x80 | 15 |
| GW 62 855 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | 95x80 | 15 |
| GW 62 856 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | 95x80 | 15 |
| GW 62 857 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | 95x80 | 15 |
| GW 62 858 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | 95x80 | 15 |
| GW 62 859 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | 95x80 | 15 |
| GW 62 860 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | 95x80 | 15 |
| GW 62 861 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | 95x80 | 15 |
| GW 62 862 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | 95x80 | 15 |
| GW 62 283 H | 3P+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 95x80 | 25 |
| GW 62 863 H | 3P+N+E | 380 V / 440 V | Red | 50 Hz / 60 Hz | 3 | 95x80 | 15 |
| GW 62 864 H | 2P+E | transf. | Grey | 50/60 Hz | 12 | 95x80 | 15 |
| GW 62 865 H | 3P+E | transf. | Grey | 50/60 Hz | 12 | 95x80 | 15 |
| GW 62 866 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | 95x80 | 15 |
| GW 62 867 H | 2P+E | >250 V | Grey | d.c. | 8 | 95x80 | 15 |

NOTES: all products are packaged individually. Halogen free according to EN 60754-2

CHARACTERISTICS: nickel-plated contacts

IEC 309 HP



GW 66 742

SURFACE-MOUNTING BOX WITH FLANGED COVER FITTED FOR 2 LIDS - IP55

| Code | Flange dimensions (mm) | Top entries | Bottom entries | Pack Carton |
|-----------|------------------------|-------------|----------------|-------------|
| GW 66 742 | 85x75 - 95x80 | 2xØ 23 | 1xØ 29/37 | 1/10 |

APPLICATIONS: 75x85 mm dimension is suited for mounting IEC309 16A devices or GW27401 COMBI-IN weatherproof cover.
80x95 mm dimension is suited for mounting IEC309 32A devices.
ACCESSORIES SUPPLIED: blank cap 32A, 2 gaskets and mounting screws.

IEC 309 HP - LOW VOLTAGE HIGH CURRENT 10° STRAIGHT FLUSH-MOUNTING FIXED SOCKET-OUTLETS WITH MANTLE CONNECTION

IP44/IP54



GW 63 216 H

LOW VOLTAGE HIGH CURRENT PROTECTED FLUSH-MOUNTING 10° SOCKET-OUTLETS WITH MANTLE TERMINAL HIGH PERFORMANCE

| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|------------------------|-------------|
| Rated current (A): 63 | | | | | | | |
| GW 63 213 H | 2P+E | 100 - 130 V | ■ | 50/60 Hz | 4 | 110x100 | 1/4 |
| GW 63 214 H | 3P+E | 100 - 130 V | ■ | 50/60 Hz | 4 | 110x100 | 1/4 |
| GW 63 215 H | 3P+N+E | 100 - 130 V | ■ | 50/60 Hz | 4 | 110x100 | 1/4 |
| GW 63 216 H | 2P+E | 200 - 250 V | ■ | 50/60 Hz | 6 | 110x100 | 1/4 |
| GW 63 217 H | 3P+E | 200 - 250 V | ■ | 50/60 Hz | 9 | 110x100 | 1/4 |
| GW 63 218 H | 3P+N+E | 200 - 250 V | ■ | 50/60 Hz | 9 | 110x100 | 1/4 |
| GW 63 219 H | 2P+E | 380 - 415 V | ■ | 50/60 Hz | 9 | 110x100 | 1/4 |
| GW 63 220 H | 3P+E | 380 - 415 V | ■ | 50/60 Hz | 6 | 110x100 | 1/4 |
| GW 63 221 H | 3P+N+E | 346 - 415 V | ■ | 50/60 Hz | 6 | 110x100 | 1/4 |

NOTES: all products are packaged individually.
Halogen free in accordance with Standard EN 60754-2.
CHARACTERISTICS: connection technology with mantle terminals. nickel-plated contacts.
All the versions are available with a pilot contact upon request.

IP66/IP67



GW 63 254 H

LOW VOLTAGE HIGH CURRENT WATERTIGHT 10° FIXED FLUSH-MOUNTING SOCKET-OUTLETS WITH MANTLE TERMINAL
HIGH PERFORMANCE



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Characteristics | Flange dimensions (mm) | Pack Carton |
|-------------------------------|--------------|---------------|--------|---------------|-------------|-----------------|------------------------|-------------|
| Rated current (A): 63 | | | | | | | | |
| GW 63 246 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 110x100 | 1/4 |
| GW 63 247 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 110x100 | 1/4 |
| GW 63 248 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 110x100 | 1/4 |
| GW 63 249 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | | 110x100 | 1/4 |
| GW 63 249 PH | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | Pilot contact | 110x100 | 1/4 |
| GW 63 250 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | | 110x100 | 1/4 |
| GW 63 251 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | | 110x100 | 1/4 |
| GW 63 252 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | | 110x100 | 1/4 |
| GW 63 253 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | | 110x100 | 1/4 |
| GW 63 253 PH | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | Pilot contact | 110x100 | 1/4 |
| GW 63 254 H | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | | 110x100 | 1/4 |
| GW 63 254 PH | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | Pilot contact | 110x100 | 1/4 |
| GW 63 257 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 110x100 | 1/4 |
| GW 63 255 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 110x100 | 1/4 |
| GW 63 256 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 110x100 | 1/4 |
| GW 63 258 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | | 110x100 | 1/4 |
| GW 63 259 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | | 110x100 | 1/4 |
| GW 63 260 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | | 110x100 | 1/4 |
| GW 63 261 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | | 110x100 | 1/4 |
| GW 63 262 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | | 110x100 | 1/4 |
| GW 63 263 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | | 110x100 | 1/4 |
| GW 63 264 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | | 110x100 | 1/4 |
| GW 63 265 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | | 110x100 | 1/4 |
| GW 63 266 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | | 110x100 | 1/4 |
| GW 63 267 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | | 110x100 | 1/4 |
| GW 63 268 H | 2P+E | >50 - 250 V | Grey | d.c. | 3 | | 110x100 | 1/4 |
| GW 63 269 H | 2P+E | >250 V | Grey | d.c. | 8 | | 110x100 | 1/4 |
| Rated current (A): 125 | | | | | | | | |
| GW 62 965 H | 2P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 114x114 | 1/2 |
| GW 62 257 H | 3P+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 114x114 | 1/2 |
| GW 62 258 H | 3P+N+E | 100 - 130 V | Yellow | 50/60 Hz | 4 | | 114x114 | 1/2 |
| GW 62 966 H | 2P+E | 200 - 250 V | Blue | 50/60 Hz | 6 | | 114x114 | 1/2 |
| GW 62 259 H | 3P+E | 200 - 250 V | Blue | 50/60 Hz | 9 | | 114x114 | 1/2 |
| GW 62 260 H | 3P+N+E | 200 - 250 V | Blue | 50/60 Hz | 9 | | 114x114 | 1/2 |
| GW 62 967 H | 2P+E | 380 - 415 V | Red | 50/60 Hz | 9 | | 114x114 | 1/2 |
| GW 62 261 H | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | | 114x114 | 1/2 |
| GW 62 261 PH | 3P+E | 380 - 415 V | Red | 50/60 Hz | 6 | Pilot contact | 114x114 | 1/2 |
| GW 62 262 H | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | | 114x114 | 1/2 |
| GW 62 262 PH | 3P+N+E | 346 - 415 V | Red | 50/60 Hz | 6 | Pilot contact | 114x114 | 1/2 |
| GW 62 968 H | 2P+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 114x114 | 1/2 |
| GW 62 263 H | 3P+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 114x114 | 1/2 |
| GW 62 264 H | 3P+N+E | 480 - 500 V | Black | 50/60 Hz | 7 | | 114x114 | 1/2 |
| GW 62 969 H | 3P+E | 600 - 690 V | Black | 50/60 Hz | 5 | | 114x114 | 1/2 |
| GW 62 970 H | 3P+N+E | 600 - 690 V | Black | 50/60 Hz | 5 | | 114x114 | 1/2 |
| GW 62 971 H | 2P+E | >50 V | Green | 100 - 300 Hz | 10 | | 114x114 | 1/2 |
| GW 62 972 H | 3P+E | >50 V | Green | 100 - 300 Hz | 10 | | 114x114 | 1/2 |
| GW 62 973 H | 3P+N+E | >50 V | Green | 100 - 300 Hz | 10 | | 114x114 | 1/2 |
| GW 62 974 H | 2P+E | >50 V | Green | >300 - 500 Hz | 2 | | 114x114 | 1/2 |
| GW 62 975 H | 3P+E | >50 V | Green | >300 - 500 Hz | 2 | | 114x114 | 1/2 |
| GW 62 976 H | 3P+N+E | >50 V | Green | >300 - 500 Hz | 2 | | 114x114 | 1/2 |
| GW 62 977 H | 3P+E | 440 - 460 V | Red | 60 Hz | 11 | | 114x114 | 1/2 |
| GW 62 978 H | 3P+N+E | 440 - 460 V | Red | 60 Hz | 11 | | 114x114 | 1/2 |

NOTES: all products are packaged individually. Halogen-free according to EN 60754-2.

GW63249PH, GW63253PH, GW63254PH, GW62261PH, GW62262PH: socket-outlets with pilot contact and direct screw wiring.

CHARACTERISTICS: connection technology with mantle terminals. nickel-plated contacts. All the versions are available with a pilot contact upon request.

FLUSH-MOUNTING SOCKET-OUTLETS WITH CLEAN CONTACT - 125 A - IP67



GW 68 785

LOW VOLTAGE SCREW WIRING 10° ANGLED FLUSH-MOUNTING INTERLOCKED SOCKET-OUTLETS 125A

| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|-----------|--------------|---------------|--------|-----------|-------------|------------------------|-------------|
| GW 68 785 | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 114x114 | 1 |
| GW 68 786 | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 114x114 | 1 |

CHARACTERISTICS: the socket-outlets are equipped with a NO contact (mechanically activated by the plug pilot) to allow the creation of the electric interlock circuit. nickel-plated contacts.
NOTES: Products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.

62 - LOW VOLTAGE SCREW WIRING 10° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS

IP44



GW 62 404

LOW VOLTAGE SCREW WIRING 10° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS

| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 62 401 | 2P+E | 100-130 V | ■ | 50/60 Hz | 4 | 40 |
| GW 62 402 | 3P+E | 100-130 V | ■ | 50/60 Hz | 4 | 20 |
| GW 62 403 | 3P+N+E | 100-130 V | ■ | 50/60 Hz | 4 | 20 |
| GW 62 404 | 2P+E | 200-250 V | ■ | 50/60 Hz | 6 | 40 |
| GW 62 405 | 3P+E | 200-250 V | ■ | 50/60 Hz | 9 | 20 |
| GW 62 406 | 3P+N+E | 200-250 V | ■ | 50/60 Hz | 9 | 20 |
| GW 62 407 | 2P+E | 380-415 V | ■ | 50/60 Hz | 9 | 20 |
| GW 62 408 | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 40 |
| GW 62 409 | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 40 |
| GW 62 410 | 3P+E | 480-500 V | ■ | 50/60 Hz | 7 | 20 |
| GW 62 411 | 3P+N+E | 480-500 V | ■ | 50/60 Hz | 7 | 20 |
| Rated current (A): 32 | | | | | | |
| GW 62 412 | 2P+E | 100-130 V | ■ | 50/60 Hz | 4 | 16 |
| GW 62 413 | 3P+E | 100-130 V | ■ | 50/60 Hz | 4 | 16 |
| GW 62 414 | 3P+N+E | 100-130 V | ■ | 50/60 Hz | 4 | 16 |
| GW 62 415 | 2P+E | 200-250 V | ■ | 50/60 Hz | 6 | 16 |
| GW 62 416 | 3P+E | 200-250 V | ■ | 50/60 Hz | 9 | 16 |
| GW 62 417 | 3P+N+E | 200-250 V | ■ | 50/60 Hz | 9 | 16 |
| GW 62 418 | 2P+E | 380-415 V | ■ | 50/60 Hz | 9 | 16 |
| GW 62 419 | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 16 |
| GW 62 420 | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 16 |
| GW 62 421 | 3P+E | 480-500 V | ■ | 50/60 Hz | 7 | 14 |
| GW 62 422 | 3P+N+E | 480-500 V | ■ | 50/60 Hz | 7 | 14 |

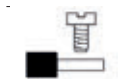
CHARACTERISTICS: nickel-plated contacts. Ø 29 mm cable gland.
NOTE: all products are packaged individually.
Products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.

IP67



GW 62 430

LOW VOLTAGE SCREW WIRING 10° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 62 423 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 20 |
| GW 62 424 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 20 |
| GW 62 425 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 20 |
| GW 62 426 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 40 |
| GW 62 427 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 20 |
| GW 62 428 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 20 |
| GW 62 429 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 20 |
| GW 62 430 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 40 |
| GW 62 431 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 40 |
| GW 62 432 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 20 |
| GW 62 433 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 20 |
| Rated current (A): 32 | | | | | | |
| GW 62 434 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 16 |
| GW 62 435 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 16 |
| GW 62 436 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 16 |
| GW 62 437 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 16 |
| GW 62 438 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 16 |
| GW 62 439 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 16 |
| GW 62 440 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 16 |
| GW 62 441 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 16 |
| GW 62 442 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 16 |
| GW 62 443 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 14 |
| GW 62 444 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 14 |
| GW 62 556 | 3P+E | 380-440 V | Red | 50/60 Hz | 3 | 16 |

CHARACTERISTICS: PG21 cable gland. Nickel-plated contacts.

NOTE: all products are packaged individually.

Products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.

63 - LOW VOLTAGE SCREW WIRING 10° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS

IP67



GW 63 453

LOW VOLTAGE SCREW WIRING 10° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS FOR HIGH CURRENTS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 63 | | | | | | |
| GW 63 445 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 2/4 |
| GW 63 446 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 2/4 |
| GW 63 447 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 2/4 |
| GW 63 448 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 2/4 |
| GW 63 449 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 2/4 |
| GW 63 450 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 2/4 |
| GW 63 451 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 2/4 |
| GW 63 452 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 2/4 |
| GW 63 453 | 3P+N+E | 346-415 V | Red | 50/60 Hz | 6 | 2/4 |
| GW 63 454 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 2/4 |
| GW 63 455 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 2/4 |

CHARACTERISTICS: cable gland PG36. Equipped with pilot contact. nickel-plated contacts.

NOTE: all products are packaged individually.

Products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.


62 - LOW VOLTAGE SCREW WIRING 90° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS

IP44



GW 62 481

LOW VOLTAGE SCREW WIRING 90° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS

|  | | | | | | |
|---|--------------|---------------|--------|-----------|-------------|-------------|
| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
| Rated current (A): 16 | | | | | | |
| GW 62 474 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 20 |
| GW 62 475 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 20 |
| GW 62 476 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 20 |
| GW 62 477 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 20 |
| GW 62 478 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 20 |
| GW 62 479 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 20 |
| GW 62 480 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 20 |
| GW 62 481 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 20 |
| GW 62 482 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 20 |
| GW 62 483 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 20 |
| GW 62 484 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 20 |
| Rated current (A): 32 | | | | | | |
| GW 62 485 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 16 |
| GW 62 486 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 16 |
| GW 62 487 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 16 |
| GW 62 488 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 16 |
| GW 62 489 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 16 |
| GW 62 490 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 16 |
| GW 62 491 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 16 |
| GW 62 492 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 16 |
| GW 62 493 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 16 |
| GW 62 494 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 16 |
| GW 62 495 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 16 |

CHARACTERISTICS: Ø 20 mm cable gland for 16 A versions; Ø 23 mm cable gland for 32 A versions. nickel-plated contacts.
NOTE: all products are packaged individually.
Products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.

IP67



GW 62 499

LOW VOLTAGE SCREW WIRING 90° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 62 496 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 20 |
| GW 62 497 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 20 |
| GW 62 498 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 20 |
| GW 62 499 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 20 |
| GW 62 501 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 20 |
| GW 62 502 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 20 |
| GW 62 503 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 20 |
| GW 62 504 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 20 |
| GW 62 505 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 20 |
| GW 62 506 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 20 |
| GW 62 507 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 20 |
| Rated current (A): 32 | | | | | | |
| GW 62 508 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 16 |
| GW 62 509 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 16 |
| GW 62 510 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 16 |
| GW 62 511 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 16 |
| GW 62 512 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 16 |
| GW 62 513 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 16 |
| GW 62 514 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 16 |
| GW 62 515 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 16 |
| GW 62 516 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 16 |
| GW 62 517 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 16 |
| GW 62 518 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 16 |
| GW 62 557 | 3P+E | 380-440 V | Red | 50/60 Hz | 3 | 16 |

CHARACTERISTICS: PG21 cable gland.

NOTE: all products are packaged individually.

Products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.


62/63 - LOW VOLTAGE SCREW WIRING 90° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS

IP67



GW 63 527

LOW VOLTAGE SCREW WIRING 90° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS FOR HIGH CURRENTS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------|--------------|---------------|--------|-----------|-------------|-------------|
| Rated current (A): 63 | | | | | | |
| GW 63 519 | 2P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 2/4 |
| GW 63 520 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 2/4 |
| GW 63 521 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 2/4 |
| GW 63 522 | 2P+E | 200-250 V | Blue | 50/60 Hz | 6 | 2/4 |
| GW 63 523 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 2/4 |
| GW 63 524 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 2/4 |
| GW 63 525 | 2P+E | 380-415 V | Red | 50/60 Hz | 9 | 2/4 |
| GW 63 526 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 2/4 |
| GW 63 527 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 2/4 |
| GW 63 528 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 2/4 |
| GW 63 529 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 2/4 |
| Rated current (A): 125 | | | | | | |
| GW 62 530 | 3P+E | 100-130 V | Yellow | 50/60 Hz | 4 | 1/2 |
| GW 62 531 | 3P+N+E | 100-130 V | Yellow | 50/60 Hz | 4 | 1/2 |
| GW 62 532 | 3P+E | 200-250 V | Blue | 50/60 Hz | 9 | 1/2 |
| GW 62 533 | 3P+N+E | 200-250 V | Blue | 50/60 Hz | 9 | 1/2 |
| GW 62 534 | 3P+E | 380-415 V | Red | 50/60 Hz | 6 | 1/2 |
| GW 62 535 | 3P+N+E | 380-415 V | Red | 50/60 Hz | 6 | 1/2 |
| GW 62 536 | 3P+E | 480-500 V | Black | 50/60 Hz | 7 | 1/2 |
| GW 62 537 | 3P+N+E | 480-500 V | Black | 50/60 Hz | 7 | 1/2 |


CHARACTERISTICS: PG36 cable gland for 63A versions; PG48 cable gland for 125A versions. Versions with pilot contact, nickel-plated contacts.
NOTE: all products are packaged individually.
Products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.

FLUSH-MOUNTING SOCKTES FOR SPECIFIC USES



GW 62 204

LOW VOLTAGE SCREW WIRING 10° ANGLED FLUSH-MOUNTING SOCKET-OUTLETS
WITH REDUCED DIMENSION FLANGE


|  | | | | | | | |
|---|--------------|---------------|--------|-----------|-------------|------------------------|-------------|
| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
| Rated current (A): 16 | | | | | | | |
| GW 62 204 | 2P+E | 200-250 V | ■ | 50/60 Hz | 6 | 62x62 | 10/100 |

CHARACTERISTICS: nickel-plated contacts. For use in restricted spaces.



GW 62 393

DOMESTIC SOCKET OUTLET - IP54

|  | | | | | | | |
|---|--------------|---------------|---------------|--------|-----------|------------------------|-------------|
| Code | No. of poles | Rated current | Rated voltage | Colour | Frequency | Flange dimensions (mm) | Pack Carton |
| Standard: German | | | | | | | |
| GW 62 393 | 2P+E | 16 A | 230 V | ■ | 50/60 Hz | 50x50 | 1/20 |
| GW 62 392 | 2P+E | 16 A | 200-250 V | ■ | 50/60 Hz | 85x75 | 1/12 |
| Standard: French | | | | | | | |
| GW 62 394 | 2P+E | 16 A | 230 V | ■ | 50/60 Hz | 50x50 | 1/20 |

CHARACTERISTICS: domestic socket-outlets equipped with child protection (shutter) and with rear connection.

NOTES: domestic socket-outlets 50x50 mm can be installed also on flanges 85x75 mm using the adapter code GW68281.

IEC 309 HP

4 IP DEGREES FOR TOTAL PROTECTION

EXCELLENT RESISTANCE TO STRESS

SAFE AND INTUITIVE ASSEMBLY



The HP straight plugs and socket-outlets are the first and only on the electrotechnical field with IP68 and IP69 degrees of protection. Nickel plating of pins and sleeves also offers the best protection against corrosion, oxidation and abrasion, even in critical environmental conditions.

The use of high-performance technopolymers and the innermost of rubberised surfaces to protect the areas most at risk of knocks (in all 63-125 A versions) offer excellent resistance to mechanical stress (IK09, equivalent to 10 J), also at low temperatures (down to -25 °C).

The 16-32 A versions are distinguished by their patented closure with ¼ turn SAFE-LOCK system, whereas the 63-125 A versions have captive screws on brass inserts with a wider contrast flange “embedded” in the straight connectors/plugs body.

New range of plugs and socket-outlets meeting the dimensional, construction/performance and safety requisites defined by the international Standards IEC 60309-1 and IEC 60309-2, subsequently assimilated at European level as EN 60309-1 and EN 60309-2.

Technical data and compliance with Standards

| ELECTRICAL CHARACTERISTICS | | | | | | |
|----------------------------|---|---------------------------|--------------------------|-------------------------------|---------------------------------|----------------------------|
| Rated current (In) (A) | Rated frequency (Hz) | Rated voltage Un (V) | Permissible overload (A) | No. of operations carried out | Breaking capacity at 1.1 Un (A) | Insulation resistance (MΩ) |
| 16 | 50/60 100 ÷ 300 > 300 ÷ 500 direct current | > 50 ÷ 690 transformer | 22 | > 5000 | 20 | > 10 |
| 32 | | | 42 | > 2000 | 40 | |
| 63 | 50/60 100 ÷ 300 > 300 ÷ 500 direct current | > 50 ÷ 690 | - | > 2000 | 79 | > 10 |
| 125 | | | | > 500 | 156 | |

| MECHANICAL AND PHYSICAL CHARACTERISTICS | | | | |
|---|---|--------------------------------------|--|---|
| Operating temperature (°C) | Degree of protection (IP) | Impact resistance (IK) | Heat resistance | Resistance to abnormal heat and fire |
| | | | Thermo-pressure with ball (°C) | Glow wire test (°C) |
| -25 ÷ +55 | Straight plugs and sockets HP*: IP44/IP54 e IP66/IP67/IP68/IP69 | Straight plugs and sockets HP: IK 09 | 125 (active parts) 80 (passive parts) | 850 (active parts) 650 (passive parts) |
| | 10° flush-mounting sockets HP: IP44/IP54 e IP66/IP67 | 10° flush-mounting sockets HP: IK 09 | | |
| | Other: IP44 e IP67 | Other: IK 08 | | |

(*) Although the international product standard IEC 60 309 does not currently require it, these products have been voluntarily subjected to tests with degrees of protection higher than IP66/IP67.
IP68: 2 bar/6 h according to EN 60529 standard after aging test in conformity with EN 60309 standards.
IP69: according to IEC 60529 standard after aging test in conformity with EN 60309 standards.

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|--------------------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Alcohol | | |
| Resistant | Not resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant |

Wiring information - Plugs and sockets IEC 309 HP

| TIGHTENING CAPACITY OF THE TERMINALS (mm²) | | | | |
|--|-----------------|------|--------------------------|------|
| Rated current (In) (A) | Flexible cables | | Rigid or stranded cables | |
| | MIN. | MAX. | MIN. | MAX. |
| 16 | 1 | 2.5 | 1.5 | 4 |
| 32 | 2.5 | 6 | 2.5 | 10 |
| 63 | 6 | 16 | 6 | 25 |
| 125 | 16 | 50 | 25 | 70 |

| TIGHTENING CAPACITY OF THE CABLE FASTENER CLAMP * (mm) | | | |
|--|------------------------|------|------|
| Rated current (In) (A) | No. poles | MIN. | MAX. |
| 16 | 2P + $\frac{1}{2}$ | 7.5 | 13.8 |
| | 3P + $\frac{1}{2}$ | 7.5 | 13.8 |
| | 3P + N + $\frac{1}{2}$ | 9.2 | 19.9 |
| 32 | 2P + $\frac{1}{2}$ | 9.2 | 19.9 |
| | 3P + $\frac{1}{2}$ | 9.2 | 19.9 |
| | 3P + N + $\frac{1}{2}$ | 9.2 | 19.9 |
| 63** | 2P + $\frac{1}{2}$ | 16.1 | 37 |
| | 3P + $\frac{1}{2}$ | 17.9 | 37 |
| | 3P + N + $\frac{1}{2}$ | 19.9 | 37 |
| 125** | 2P + $\frac{1}{2}$ | 24.7 | 38.5 |
| | 3P + $\frac{1}{2}$ | 27 | 49 |
| | 3P + N + $\frac{1}{2}$ | 29.9 | 49 |

(*) NB: these values refer to flexible, rigid and stranded cables.
(**) Contact SAT customer service for indications of the cable size to be used in order to maintain the IPX8 degree

Dimension tables - Plugs and sockets IEC 309 HP 16-32A

STRAIGHT PLUGS - IP44/IP54

Technical drawing of a straight plug showing dimensions L1, L, A, B, and ØD.

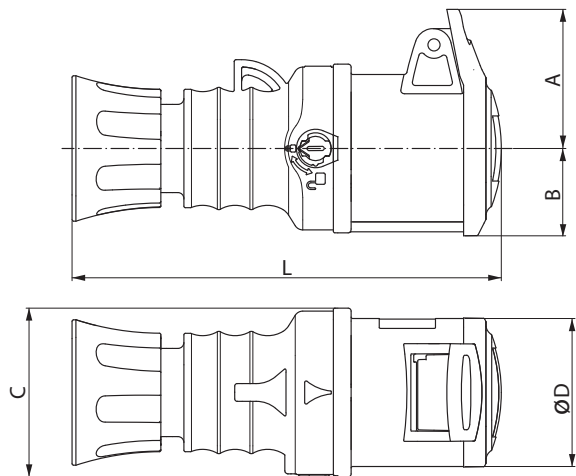
| TYPE | | A | B | D | L | L1 |
|------|---------------------|----|------|----|-----|-----|
| 16A | 2P+ $\frac{1}{2}$ | 30 | 28.5 | 57 | 134 | 97 |
| | 3P+ $\frac{1}{2}$ | 34 | 32 | 62 | 134 | 97 |
| | 3P+N+ $\frac{1}{2}$ | 38 | 36 | 68 | 153 | 115 |
| 32A | 2P+ $\frac{1}{2}$ | 40 | 41.5 | 71 | 162 | 115 |
| | 3P+ $\frac{1}{2}$ | 40 | 41.5 | 71 | 162 | 115 |
| | 3P+N+ $\frac{1}{2}$ | 45 | 42 | 75 | 176 | 130 |

STRAIGHT PLUGS - IP66 / IP67 / IP68 / IP69

Technical drawing of a straight plug showing dimensions L1, L, and ØA.

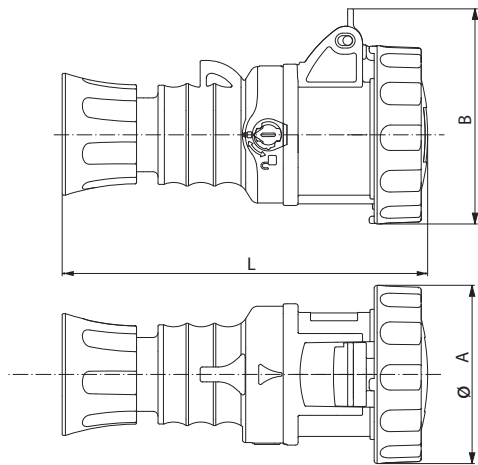
| TYPE | | A | L | L1 |
|------|---------------------|-----|-------|------|
| 16A | 2P+ $\frac{1}{2}$ | 72 | 130 | 96 |
| | 3P+ $\frac{1}{2}$ | 81 | 130.5 | 96.5 |
| | 3P+N+ $\frac{1}{2}$ | 88 | 150 | 116 |
| 32A | 2P+ $\frac{1}{2}$ | 93 | 158 | 114 |
| | 3P+ $\frac{1}{2}$ | 93 | 158 | 114 |
| | 3P+N+ $\frac{1}{2}$ | 101 | 170 | 127 |

STRAIGHT CONNECTORS - IP44/IP54



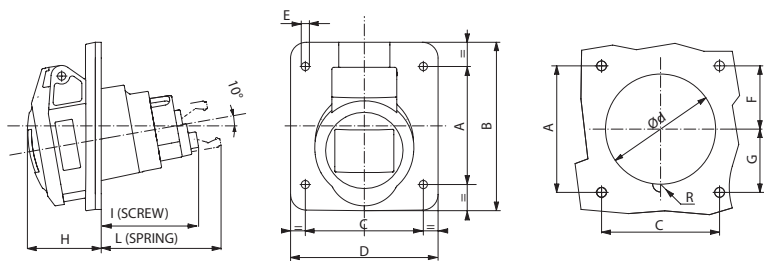
| TYPE | | A | B | C | D | L |
|------|-------------|------|------|----|------|-----|
| 16A | 2P+ \pm | 47 | 29.5 | 57 | 50 | 148 |
| | 3P+ \pm | 50 | 32 | 62 | 55.5 | 148 |
| | 3P+N+ \pm | 56.5 | 35.5 | 68 | 62.5 | 165 |
| 32A | 2P+ \pm | 59 | 39 | 71 | 64.5 | 176 |
| | 3P+ \pm | 59 | 39 | 71 | 64.5 | 176 |
| | 3P+N+ \pm | 62 | 42 | 75 | 70.5 | 190 |

STRAIGHT CONNECTORS - IP66 / IP67 / IP68 / IP69



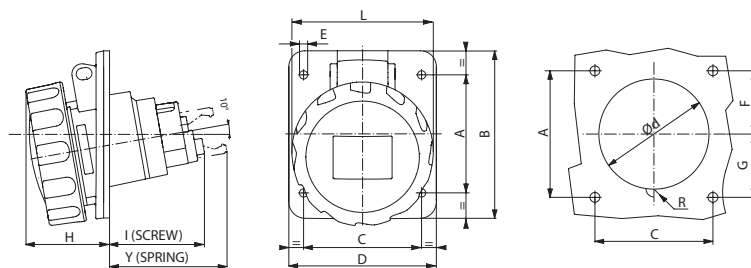
| TYPE | | A | B | L |
|------|-------------|-----|-------|-----|
| 16A | 2P+ \pm | 72 | 87 | 148 |
| | 3P+ \pm | 81 | 95 | 148 |
| | 3P+N+ \pm | 88 | 102.5 | 167 |
| 32A | 2P+ \pm | 93 | 108 | 178 |
| | 3P+ \pm | 93 | 108 | 178 |
| | 3P+N+ \pm | 101 | 116 | 189 |

10° FLUSH-MOUNTING SOCKET-OUTLETS - IP44/IP54



| TYPE | | A | B | C | D | E | F | G | H | I | L | ød | R |
|------|-------------|----|----|----|----|-----|------|------|------|------|----|----|---|
| 16A | 2P+ \pm | 60 | 85 | 60 | 75 | 4.2 | 38 | 22 | 37.5 | 49.5 | 61 | 56 | - |
| | 3P+ \pm | 60 | 85 | 60 | 75 | 4.2 | 35 | 25 | 37 | 51.5 | 61 | 62 | - |
| | 3P+N+ \pm | 60 | 85 | 60 | 75 | 4.2 | 29 | 31 | 39.5 | 49 | 60 | 65 | 8 |
| 32A | 2P+ \pm | 70 | 95 | 60 | 80 | 4.2 | 32 | 38 | 46.5 | 60 | 68 | 68 | 8 |
| | 3P+ \pm | 70 | 95 | 60 | 80 | 4.2 | 32 | 38 | 46.5 | 60 | 68 | 68 | 8 |
| | 3P+N+ \pm | 70 | 95 | 60 | 80 | 4.2 | 29.5 | 40.5 | 48.5 | 60 | 68 | 74 | 8 |

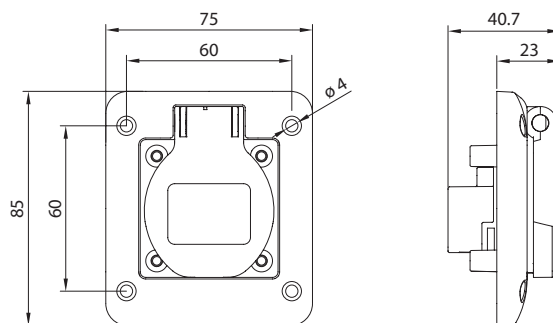
10° FLUSH-MOUNTING SOCKET-OUTLETS - IP66 / IP67



| | TYPE | A | B | C | D | E | F | G | H | I | L | Y | ød | R |
|-----|---------------------|----|----|----|----|-----|------|------|------|------|-----|------|----|---|
| 16A | 2P+ $\frac{1}{2}$ | 60 | 85 | 60 | 75 | 4.2 | 38 | 22 | 42.5 | 48 | 72 | 60 | 56 | - |
| | 3P+ $\frac{1}{2}$ | 60 | 85 | 60 | 75 | 4.2 | 35 | 25 | 43 | 50.5 | 81 | 60 | 62 | - |
| | 3P+N+ $\frac{1}{2}$ | 60 | 85 | 60 | 75 | 4.2 | 29 | 31 | 44.5 | 48.5 | 88 | 60 | 66 | 5 |
| 32A | 2P+ $\frac{1}{2}$ | 70 | 95 | 60 | 80 | 4.2 | 32 | 38 | 51 | 60.5 | 93 | 68.5 | 68 | 7 |
| | 3P+ $\frac{1}{2}$ | 70 | 95 | 60 | 80 | 4.2 | 32 | 38 | 51 | 60.5 | 93 | 68.5 | 68 | 7 |
| | 3P+N+ $\frac{1}{2}$ | 70 | 95 | 60 | 80 | 4.2 | 29.5 | 40.5 | 53 | 60.5 | 101 | 68.5 | 74 | 7 |

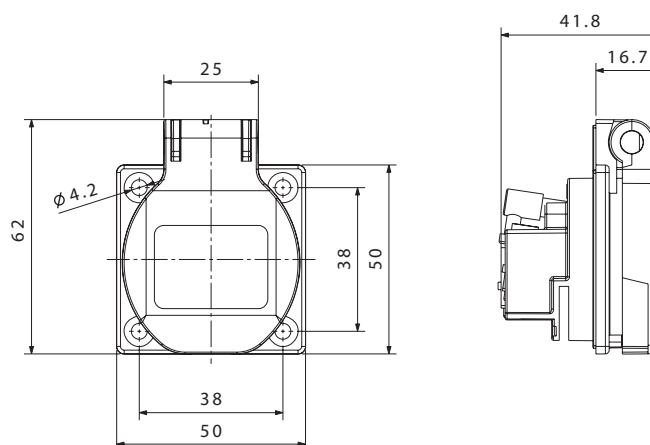
Dimension tables - Flush-mounting domestic socket-outlets

FLUSH-MOUNTING SOCKET-OUTLETS GERMAN STD 85X75 MM - IP54



GW62392

FLUSH-MOUNTING SOCKET-OUTLETS GERMAN OR FRENCH STD 50X50 MM - IP54

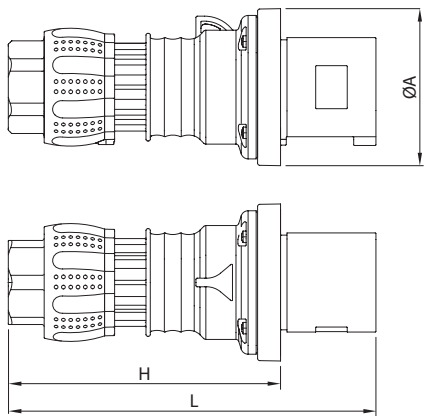


GW62393 and GW62394

IEC 309 HP

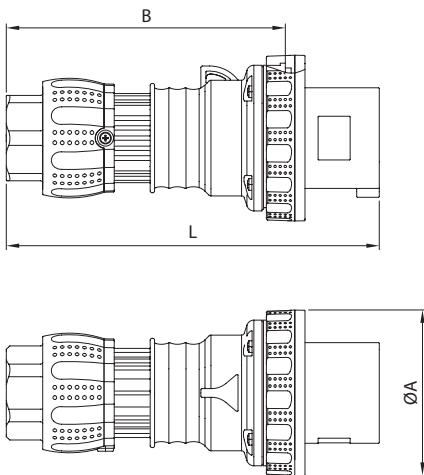
Dimension tables - Plugs and sockets IEC 309 HP 63-125A

STRAIGHT PLUGS - IP44/IP54



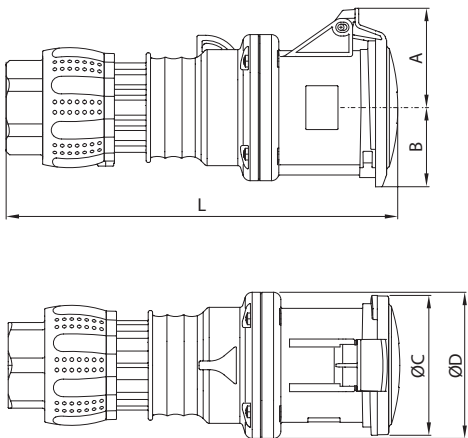
| TYPE | | A | L | H |
|------|-------------|-----|-----|-----|
| 63A | 2P+ \pm | 109 | 256 | 190 |
| | 3P+ \pm | | | |
| | 3P+N+ \pm | | | |

STRAIGHT PLUGS - IP66 / IP67 / IP68 / IP69



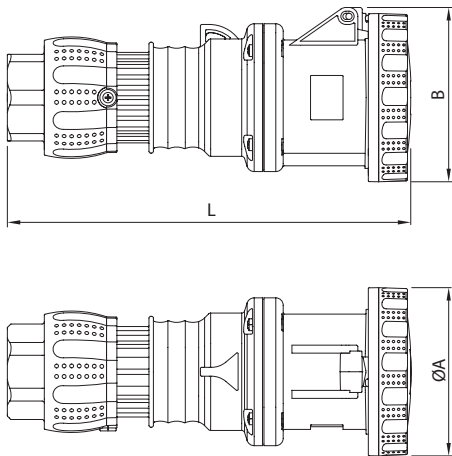
| TYPE | | A | B | L |
|------|-------------|-----|-----|-----|
| 63A | 2P+ \pm | 114 | 192 | 256 |
| | 3P+ \pm | | | |
| | 3P+N+ \pm | | | |
| 125A | 2P+ \pm | 131 | 241 | 313 |
| | 3P+ \pm | | | |
| | 3P+N+ \pm | | | |

STRAIGHT CONNECTORS - IP44/IP54



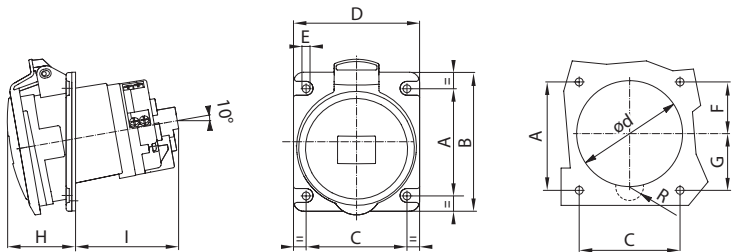
| TYPE | | A | B | C | D | L |
|------|-------------|----|----|----|-----|-----|
| 63A | 2P+ \pm | 68 | 54 | 96 | 100 | 268 |
| | 3P+ \pm | | | | | |
| | 3P+N+ \pm | | | | | |

STRAIGHT CONNECTORS - IP66 / IP67 / IP68 / IP69



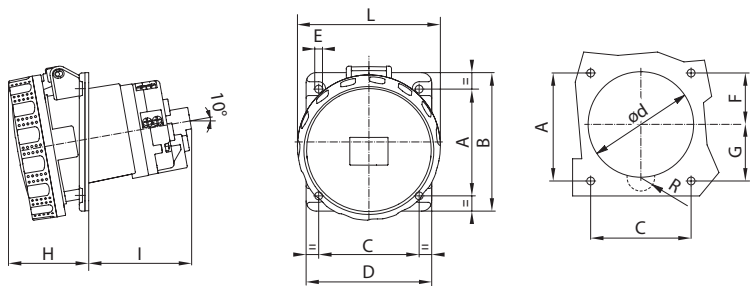
| TYPE | | A | B | L |
|------|-------------|-----|-----|-----|
| 63A | 2P+ \pm | 114 | 118 | 273 |
| | 3P+ \pm | | | |
| | 3P+N+ \pm | | | |
| 125A | 2P+ \pm | 130 | 131 | 335 |
| | 3P+ \pm | | | |
| | 3P+N+ \pm | | | |

10° FLUSH-MOUNTING SOCKET-OUTLETS - IP44/IP54



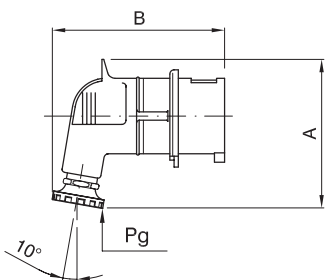
| TYPE | | A | B | C | D | E | F | G | H | I | ød | R |
|------|-------------|----|-----|----|-----|---|----|----|----|----|----|----|
| 63A | 2P+ \pm | 85 | 110 | 80 | 100 | 6 | 41 | 44 | 54 | 82 | 84 | 11 |
| | 3P+ \pm | | | | | | | | | | | |
| | 3P+N+ \pm | | | | | | | | | | | |

10° FLUSH-MOUNTING SOCKET-OUTLETS - IP66 / IP67



| TYPE | | A | B | C | D | E | F | G | H | I | L | ød | R |
|------|-------------|----|-----|----|-----|---|----|----|----|-----|-----|----|----|
| 63A | 2P+ \pm | 85 | 110 | 80 | 100 | 6 | 41 | 44 | 64 | 82 | 114 | 84 | 11 |
| | 3P+ \pm | | | | | | | | | | | | |
| | 3P+N+ \pm | | | | | | | | | | | | |
| 125A | 2P+ \pm | 90 | 114 | 90 | 114 | 6 | 43 | 47 | 76 | 108 | 131 | 95 | 13 |
| | 3P+ \pm | | | | | | | | | | | | |
| | 3P+N+ \pm | | | | | | | | | | | | |

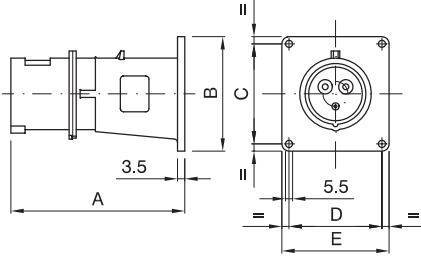
Dimension tables - Plugs and sockets IEC 309

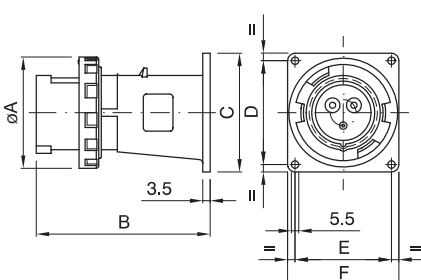
| PROTECTED 90° MOBILE PLUGS - IP 44 | | | | |
|---|------------------------|-----|-----|----|
|  | | | | |
| TYPE | A | B | Pg | |
| 16 A | 2P + $\frac{1}{2}$ | 88 | 105 | 16 |
| | 3P + $\frac{1}{2}$ | 94 | 108 | 16 |
| | 3P + N + $\frac{1}{2}$ | 101 | 119 | 16 |
| 32 A | 2P + $\frac{1}{2}$ | 113 | 129 | 21 |
| | 3P + $\frac{1}{2}$ | 113 | 129 | 21 |
| | 3P + N + $\frac{1}{2}$ | 121 | 140 | 21 |

WATERTIGHT 90° MOBILE PLUGS - IP 67

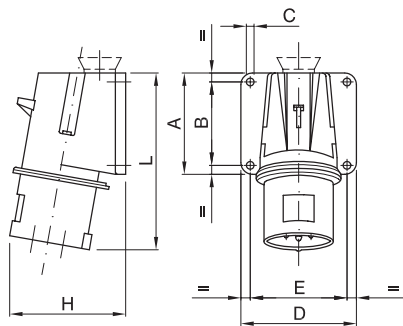
Technical drawing of a Watertight 90° Mobile Plug. The drawing shows a side view of the plug with dimensions labeled: C (total length), B (height of the main body), øA (diameter of the main body), and Pg (height of the gasket). A 10° angle is indicated at the base of the plug.

| | TYPE | A | B | C | Pg |
|------|------------------------|-----|-----|-----|----|
| 16 A | 2P + $\frac{1}{2}$ | 73 | 95 | 105 | 16 |
| | 3P + $\frac{1}{2}$ | 80 | 100 | 108 | 16 |
| | 3P + N + $\frac{1}{2}$ | 88 | 107 | 119 | 16 |
| 32 A | 2P + $\frac{1}{2}$ | 95 | 121 | 129 | 21 |
| | 3P + $\frac{1}{2}$ | 95 | 121 | 129 | 21 |
| | 3P + N + $\frac{1}{2}$ | 102 | 127 | 140 | 21 |

| FLUSH-MOUNTING PROTECTED FIXED PLUGS - IP 44 | | | | | |
|---|------------------------|-----|----|----|----|
|  | | | | | |
| TYPE | A | B | C | D | E |
| 16 A | 2P + $\frac{1}{2}$ | 116 | 85 | 60 | 75 |
| | 3P + $\frac{1}{2}$ | 121 | 85 | 60 | 75 |
| | 3P + N + $\frac{1}{2}$ | 131 | 85 | 60 | 75 |
| 32 A | 2P + $\frac{1}{2}$ | 140 | 95 | 70 | 80 |
| | 3P + $\frac{1}{2}$ | 140 | 95 | 70 | 80 |
| | 3P + N + $\frac{1}{2}$ | 152 | 95 | 70 | 80 |

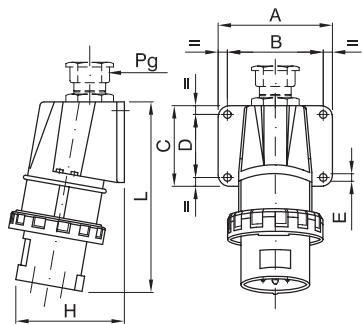
| FLUSH-MOUNTING WATERTIGHT FIXED PLUGS - IP 67 | | | | | | |
|--|------------------------|-----|-----|----|----|----|
|  | | | | | | |
| TYPE | A | B | C | D | E | F |
| 16 A | 2P + $\frac{1}{2}$ | 73 | 116 | 85 | 60 | 75 |
| | 3P + $\frac{1}{2}$ | 81 | 121 | 85 | 60 | 75 |
| | 3P + N + $\frac{1}{2}$ | 89 | 131 | 85 | 60 | 75 |
| 32 A | 2P + $\frac{1}{2}$ | 95 | 140 | 95 | 70 | 80 |
| | 3P + $\frac{1}{2}$ | 95 | 140 | 95 | 70 | 80 |
| | 3P + N + $\frac{1}{2}$ | 102 | 152 | 95 | 70 | 80 |

SURFACE-MOUNTING PROTECTED 90° FIXED PLUGS - IP 44



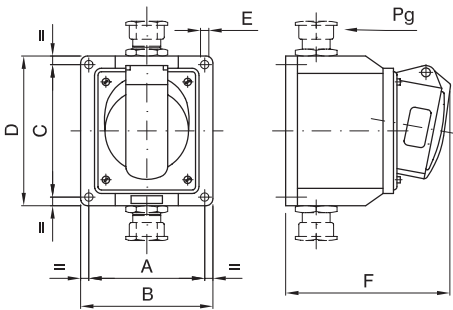
| TYPE | | A | B | C | D | E | H | L |
|------|------------------------|----|----|-----|----|----|-----|-----|
| 16 A | 2P + $\frac{1}{2}$ | 60 | 47 | 6.5 | 75 | 62 | 78 | 106 |
| | 3P + $\frac{1}{2}$ | 65 | 52 | 6.5 | 80 | 67 | 86 | 110 |
| | 3P + N + $\frac{1}{2}$ | 75 | 62 | 6.5 | 85 | 72 | 90 | 122 |
| 32 A | 2P + $\frac{1}{2}$ | 80 | 67 | 6.5 | 90 | 77 | 93 | 135 |
| | 3P + $\frac{1}{2}$ | 80 | 67 | 6.5 | 90 | 77 | 93 | 135 |
| | 3P + N + $\frac{1}{2}$ | 80 | 67 | 6.5 | 90 | 77 | 103 | 135 |

SURFACE-MOUNTING WATERTIGHT 90° FIXED PLUGS - IP 67



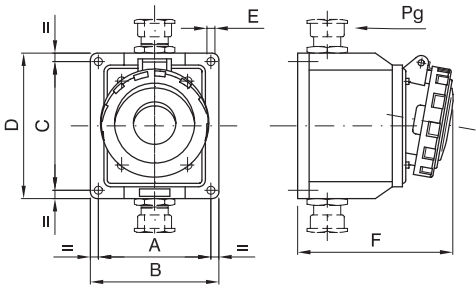
| TYPE | | A | B | C | D | E | H | L | Pg |
|-------|------------------------|-----|-----|-----|-----|-----|-----|-----|----|
| 16 A | 2P + $\frac{1}{2}$ | 75 | 62 | 60 | 47 | 6.5 | 83 | 115 | 21 |
| | 3P + $\frac{1}{2}$ | 82 | 67 | 65 | 52 | 6.5 | 98 | 120 | 21 |
| | 3P + N + $\frac{1}{2}$ | 90 | 72 | 75 | 62 | 6.5 | 105 | 130 | 21 |
| 32 A | 2P + $\frac{1}{2}$ | 95 | 77 | 80 | 67 | 6.5 | 115 | 145 | 21 |
| | 3P + $\frac{1}{2}$ | 95 | 77 | 80 | 67 | 6.5 | 115 | 145 | 21 |
| | 3P + N + $\frac{1}{2}$ | 105 | 77 | 80 | 67 | 6.5 | 122 | 145 | 21 |
| 63 A | 2P + $\frac{1}{2}$ | 115 | 95 | 90 | 70 | 6.5 | 135 | 200 | 36 |
| | 3P + $\frac{1}{2}$ | 115 | 95 | 90 | 70 | 6.5 | 135 | 200 | 36 |
| | 3P + N + $\frac{1}{2}$ | 115 | 95 | 90 | 70 | 6.5 | 135 | 200 | 36 |
| 125 A | 3P + $\frac{1}{2}$ | 140 | 120 | 140 | 120 | 6.5 | 150 | 280 | 48 |
| | 3P + N + $\frac{1}{2}$ | 140 | 120 | 140 | 120 | 6.5 | 150 | 280 | 48 |

SURFACE-MOUNTING PROTECTED 10° FIXED SOCKET-OUTLETS - IP44



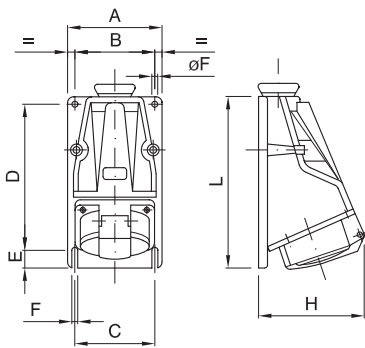
| TYPE | A | B | C | D | E | F | Pg |
|------|------------------------|----|-----|-----|-----|-----|--------|
| 16 A | 2P + $\frac{1}{2}$ | 75 | 90 | 95 | 110 | 6.2 | 105 21 |
| | 3P + $\frac{1}{2}$ | 75 | 90 | 95 | 110 | 6.2 | 107 21 |
| | 3P + N + $\frac{1}{2}$ | 75 | 90 | 95 | 110 | 6.2 | 109 21 |
| 32 A | 2P + $\frac{1}{2}$ | 90 | 105 | 105 | 120 | 6.2 | 125 21 |
| | 3P + $\frac{1}{2}$ | 90 | 105 | 105 | 120 | 6.2 | 125 21 |
| | 3P + N + $\frac{1}{2}$ | 90 | 105 | 105 | 120 | 6.2 | 125 21 |

SURFACE-MOUNTING WATERTIGHT 10° FIXED SOCKET-OUTLETS - IP67



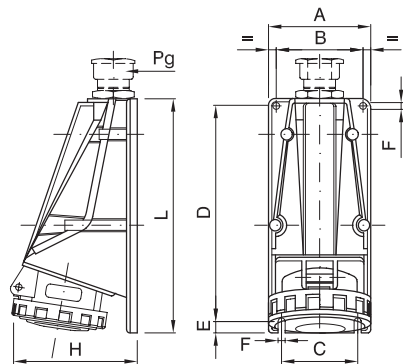
| TYPE | A | B | C | D | E | F | Pg |
|------|------------------------|-----|-----|-----|-----|-----|--------|
| 16 A | 2P + $\frac{1}{2}$ | 75 | 90 | 95 | 110 | 6.2 | 113 21 |
| | 3P + $\frac{1}{2}$ | 75 | 90 | 95 | 110 | 6.2 | 115 21 |
| | 3P + N + $\frac{1}{2}$ | 75 | 90 | 95 | 110 | 6.2 | 115 21 |
| 32 A | 2P + $\frac{1}{2}$ | 90 | 105 | 105 | 120 | 6.2 | 130 21 |
| | 3P + $\frac{1}{2}$ | 90 | 105 | 105 | 120 | 6.2 | 130 21 |
| | 3P + N + $\frac{1}{2}$ | 90 | 105 | 105 | 120 | 6.2 | 130 21 |
| 63 A | 2P + $\frac{1}{2}$ | 100 | 115 | 125 | 140 | 6.2 | 173 36 |
| | 3P + $\frac{1}{2}$ | 100 | 115 | 125 | 140 | 6.2 | 173 36 |
| | 3P + N + $\frac{1}{2}$ | 100 | 115 | 125 | 140 | 6.2 | 173 36 |

SURFACE-MOUNTING PROTECTED 90° FIXED SOCKET-OUTLETS -IP44



| TYPE | | A | B | C | D | E | F | H | L |
|------|------------------------|-----|----|----|-----|----|---|-----|-----|
| 16 A | 2P + $\frac{1}{2}$ | 90 | 70 | 70 | 138 | 15 | 6 | 93 | 160 |
| | 3P + $\frac{1}{2}$ | 90 | 70 | 70 | 138 | 15 | 6 | 98 | 160 |
| | 3P + N + $\frac{1}{2}$ | 90 | 70 | 70 | 138 | 15 | 6 | 103 | 160 |
| 32 A | 2P + $\frac{1}{2}$ | 105 | 85 | 85 | 148 | 15 | 6 | 110 | 170 |
| | 3P + $\frac{1}{2}$ | 105 | 85 | 85 | 148 | 15 | 6 | 110 | 170 |
| | 3P + N + $\frac{1}{2}$ | 105 | 85 | 85 | 148 | 15 | 6 | 115 | 170 |










SURFACE-MOUNTING WATERTIGHT 90° FIXED SOCKET-OUTLETS - IP67



| TYPE | | A | B | C | D | E | F | H | L | Pg |
|-------|------------------------|-----|-----|----|-----|----|---|-----|-----|----|
| 16 A | 2P + $\frac{1}{2}$ | 90 | 70 | 70 | 138 | 15 | 6 | 95 | 160 | 21 |
| | 3P + $\frac{1}{2}$ | 90 | 70 | 70 | 138 | 15 | 6 | 100 | 160 | 21 |
| | 3P + N + $\frac{1}{2}$ | 90 | 70 | 70 | 138 | 15 | 6 | 105 | 160 | 21 |
| 32 A | 2P + $\frac{1}{2}$ | 105 | 85 | 85 | 148 | 15 | 6 | 113 | 170 | 21 |
| | 3P + $\frac{1}{2}$ | 105 | 85 | 85 | 148 | 15 | 6 | 113 | 170 | 21 |
| | 3P + N + $\frac{1}{2}$ | 105 | 85 | 85 | 148 | 15 | 6 | 118 | 170 | 21 |
| 63 A | 2P + $\frac{1}{2}$ | 115 | 95 | 80 | 230 | 15 | 6 | 140 | 255 | 36 |
| | 3P + $\frac{1}{2}$ | 115 | 95 | 80 | 230 | 15 | 6 | 140 | 255 | 36 |
| | 3P + N + $\frac{1}{2}$ | 115 | 95 | 80 | 230 | 15 | 6 | 140 | 255 | 36 |
| 125 A | 2P + $\frac{1}{2}$ | 132 | 110 | 90 | 275 | 15 | 6 | 160 | 300 | 48 |
| | 3P + $\frac{1}{2}$ | 132 | 110 | 90 | 275 | 15 | 6 | 160 | 300 | 48 |

IEC 309 BTS

16A AND 32A EXTRA LOW VOLTAGE INDUSTRIAL PLUGS AND SOCKET-OUTLETS TO IEC 309 STANDARDS

| Rated current (In) | Rated Voltage (Un) | Frequency | Poles | Reference |  |  |  |  |  |  |  |  |  |
|--------------------|-------------------------|--------------|-------|-----------|---|---|---|---|--|---|---|---|---|
| | | | | | Screw wiring | Screw wiring | Screw wiring | Screw wiring | Screw wiring | Screw wiring | Screw wiring | Screw wiring | Screw wiring |
| 16 A | 20 ÷ 25 V | 50/60 Hz | 2P | - | GW 60 064 | GW 60 127 | GW 60 245 | GW 60 464 | GW 62 064 | GW 62 265 | GW 62 365 | GW 62 456 | GW 62 538 |
| | | 50/60 Hz | 3P | - | GW 60 065 | GW 60 128 | GW 60 246 | GW 60 465 | GW 62 065 | GW 62 266 | GW 62 366 | GW 62 457 | GW 62 539 |
| | 40 ÷ 50 V | 50/60 Hz | 2P | 12 | GW 60 066 | GW 60 129 | GW 60 247 | GW 60 466 | GW 62 066 | GW 62 267 | | GW 62 458 | GW 62 540 |
| | | 50/60 Hz | 3P | 12 | GW 60 067 | GW 60 130 | GW 60 248 | GW 60 467 | GW 62 067 | GW 62 268 | | GW 62 459 | GW 62 541 |
| | 20 ÷ 25 V and 40 ÷ 50 V | 100÷200 Hz | 2P | 4 | GW 60 068 | GW 60 131 | GW 60 249 | GW 60 468 | GW 62 068 | GW 62 269 | | GW 62 460 | GW 62 542 |
| | | 100÷200 Hz | 3P | 4 | GW 60 069 | GW 60 132 | GW 60 250 | GW 60 469 | GW 62 069 | GW 62 270 | | GW 62 461 | GW 62 543 |
| | | > 400÷500 Hz | 2P | 11 | GW 60 070 | GW 60 133 | GW 60 251 | GW 60 470 | GW 62 070 | GW 62 271 | | GW 62 462 | GW 62 544 |
| | | > 400÷500 Hz | 3P | 11 | GW 60 071 | GW 60 134 | GW 60 252 | GW 60 471 | GW 62 071 | GW 62 272 | | GW 62 463 | GW 62 545 |
| | 20 ÷ 25 V and 40 ÷ 50 V | dc | 2P | 10 | GW 60 072 | GW 60 135 | GW 60 253 | GW 60 472 | GW 62 072 | GW 62 273 | | GW 62 464 | GW 62 546 |
| | 20 ÷ 25 V | 50/60 Hz | 2P | - | GW 60 073 | GW 60 136 | GW 60 254 | GW 60 473 | GW 62 073 | GW 62 274 | | GW 62 465 | GW 62 547 |
| | | 50/60 Hz | 3P | - | GW 60 074 | GW 60 137 | GW 60 255 | GW 60 474 | GW 62 074 | GW 62 275 | | GW 62 466 | GW 62 548 |
| 32 A | 40 ÷ 50 V | 50/60 Hz | 2P | 12 | GW 60 075 | GW 60 138 | GW 60 256 | GW 60 475 | GW 62 075 | GW 62 276 | | GW 62 467 | GW 62 549 |
| | | 50/60 Hz | 3P | 12 | GW 60 076 | GW 60 139 | GW 60 257 | GW 60 476 | GW 62 076 | GW 62 277 | | GW 62 468 | GW 62 550 |
| | 20 ÷ 25 V and 40 ÷ 50 V | 100÷200 Hz | 2P | 4 | GW 60 077 | GW 60 140 | GW 60 258 | GW 60 477 | GW 62 077 | GW 62 278 | | GW 62 469 | GW 62 551 |
| | | 100÷200 Hz | 3P | 4 | GW 60 078 | GW 60 141 | GW 60 259 | GW 60 478 | GW 62 078 | GW 62 279 | | GW 62 470 | GW 62 552 |
| | | > 400÷500 Hz | 2P | 11 | GW 60 079 | GW 60 142 | GW 60 260 | GW 60 479 | GW 62 079 | GW 62 280 | | GW 62 471 | GW 62 553 |
| | | > 400÷500 Hz | 3P | 11 | GW 60 080 | GW 60 143 | GW 60 261 | GW 60 480 | GW 62 080 | GW 62 281 | | GW 62 472 | GW 62 554 |
| | 20 ÷ 25 V and 40 ÷ 50 V | dc | 2P | 10 | GW 60 081 | GW 60 144 | GW 60 262 | GW 60 481 | GW 62 081 | GW 62 282 | | GW 62 473 | GW 62 555 |

IEC 309 BTS

Extra-low voltage plugs and socket-outlets IEC 309 standard

The IEC 309 BTS range of extra-low voltage plugs and sockets for industrial applications enable machinery and devices that operate on voltages of less than 50 V to be connected. The range includes different versions – straight mobile, 90° connectors, surface-mounting and flush mounting, protected and watertight. Available for currents from 16 to 32 A.



IEC 309 PLUGS AND
SOCKET-OUTLETS

Technical characteristics page 1026

60/62 - EXTRA LOW VOLTAGE SCREW WIRING INDUSTRIAL PLUGS AND SOCKET-OUTLETS

STRAIGHT PLUGS - IP44



GW 60 064

EXTRA-LOW VOLTAGE SCREW WIRING STRAIGHT PLUGS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|--------------------|--------|--------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 60 064 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/40 |
| GW 60 065 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 60 066 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 067 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 068 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 069 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 070 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 071 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 072 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |
| Rated current (A): 32 | | | | | | |
| GW 60 073 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 60 074 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 60 075 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 076 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 077 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 078 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 079 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 080 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 081 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |

CHARACTERISTICS: Ø 23mm cable gland.

IEC 309 BTS

90° PLUGS - IP44



GW 60 127

EXTRA-LOW VOLTAGE SCREW WIRING 90° PLUGS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|--------------------|--------|--------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 60 127 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/40 |
| GW 60 128 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 60 129 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 130 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 131 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 132 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 133 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 134 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 135 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |
| Rated current (A): 32 | | | | | | |
| GW 60 136 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 60 137 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 60 138 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 139 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 140 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 141 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 142 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 143 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 144 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |

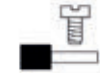
CHARACTERISTICS: PG21 cable gland.

STRAIGHT FLUSH-MOUNTING INLETS - IP44



GW 60 245

EXTRA-LOW VOLTAGE SCREW WIRING STRAIGHT FLUSH-MOUNTING INLETS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|------------------------------|--------------|--------------------|--------|--------------|-------------|------------------------|-------------|
| Rated current (A): 16 | | | | | | | |
| GW 60 245 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 85x75 | 10/20 |
| GW 60 246 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 85x75 | 10/20 |
| GW 60 247 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 85x75 | 10/20 |
| GW 60 248 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 85x75 | 10/20 |
| GW 60 249 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 85x75 | 10/20 |
| GW 60 250 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 85x75 | 10/20 |
| GW 60 251 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 85x75 | 10/20 |
| GW 60 252 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 85x75 | 10/20 |
| GW 60 253 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 85x75 | 10/20 |
| Rated current (A): 32 | | | | | | | |
| GW 60 254 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 85x75 | 10/20 |
| GW 60 255 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 85x75 | 10/20 |
| GW 60 256 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 85x75 | 10/20 |
| GW 60 257 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 85x75 | 10/20 |
| GW 60 258 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 85x75 | 10/20 |
| GW 60 259 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 85x75 | 10/20 |
| GW 60 260 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 85x75 | 10/20 |
| GW 60 261 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 85x75 | 10/20 |
| GW 60 262 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 85x75 | 10/20 |

90° SURFACE-MOUNTING INLETS - IP44



GW 60 464

EXTRA-LOW VOLTAGE SCREW WIRING 90° ANGLED SURFACE-MOUNTING INLETS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|--------------------|--------|--------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 60 464 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/40 |
| GW 60 465 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 60 466 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 467 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 468 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 469 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 470 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 471 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 472 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |
| Rated current (A): 32 | | | | | | |
| GW 60 473 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 60 474 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 60 475 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 476 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 60 477 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 478 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 60 479 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 480 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 60 481 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |

ACCESSORIES SUPPLIED: Ø 23mm cable gland.

CONNECTORS - IP44



GW 62 064

EXTRA-LOW VOLTAGE SCREW WIRING STRAIGHT CONNECTORS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|--------------------|--------|--------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 62 064 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/40 |
| GW 62 065 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 62 066 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 067 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 068 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 069 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 070 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 071 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 072 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |
| Rated current (A): 32 | | | | | | |
| GW 62 073 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 62 074 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 62 075 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 076 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 077 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 078 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 079 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 080 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 081 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |

CHARACTERISTICS: nickel-plated contacts. Ø 23mm cable gland.

IEC 309 BTS

10° FLUSH-MOUNTING SOCKET-OUTLETS - IP44



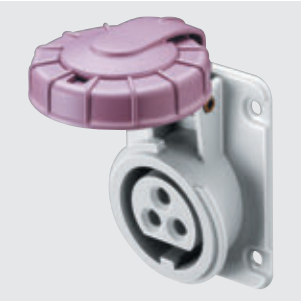
GW 62 265

EXTRA-LOW VOLTAGE SCREW WIRING 10° ANGLED FLUSH-MOUNTING SOCKET-OUTLETS

| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|-----------------------|--------------|--------------------|--------|--------------|-------------|------------------------|-------------|
| Rated current (A): 16 | | | | | | | |
| GW 62 265 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 85x75 | 10/40 |
| GW 62 266 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 85x75 | 10/20 |
| GW 62 267 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 85x75 | 10/20 |
| GW 62 268 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 85x75 | 10/20 |
| GW 62 269 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 85x75 | 10/20 |
| GW 62 270 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 85x75 | 10/20 |
| GW 62 271 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 85x75 | 10/20 |
| GW 62 272 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 85x75 | 10/20 |
| GW 62 273 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 85x75 | 10/20 |
| Rated current (A): 32 | | | | | | | |
| GW 62 274 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 85x75 | 10/20 |
| GW 62 275 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 85x75 | 10/20 |
| GW 62 276 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 85x75 | 10/20 |
| GW 62 277 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 85x75 | 10/20 |
| GW 62 278 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 85x75 | 10/20 |
| GW 62 279 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 85x75 | 10/20 |
| GW 62 280 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 85x75 | 10/20 |
| GW 62 281 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 85x75 | 10/20 |
| GW 62 282 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 85x75 | 10/20 |

CHARACTERISTICS: nickel-plated contacts.

10° FLUSH-MOUNTING SOCKET-OUTLETS - IP67



GW 62 366

EXTRA-LOW VOLTAGE SCREW WIRING 10° ANGLED FLUSH-MOUNTING SOCKET-OUTLETS

| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|-----------------------|--------------|---------------|--------|------------|-------------|------------------------|-------------|
| Rated current (A): 16 | | | | | | | |
| GW 62 365 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 85x75 | 10/40 |
| GW 62 366 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 85x75 | 10/20 |

CHARACTERISTICS: nickel-plated contacts.

10° SURFACE-MOUNTING SOCKET-OUTLETS - IP44



GW 62 456

EXTRA-LOW VOLTAGE SCREW WIRING 10° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|--------------------|--------|--------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 62 456 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/40 |
| GW 62 457 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 62 458 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 459 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 460 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 461 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 462 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 463 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 464 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |
| Rated current (A): 32 | | | | | | |
| GW 62 465 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 62 466 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 62 467 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 468 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 469 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 470 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 471 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 472 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 473 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |

CHARACTERISTICS: nickel-plated contacts. Ø 29mm cable gland.

90° SURFACE-MOUNTING SOCKET-OUTLETS - IP44



GW 62 538

EXTRA-LOW VOLTAGE SCREW WIRING 90° ANGLED SURFACE-MOUNTING SOCKET-OUTLETS



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Pack Carton |
|------------------------------|--------------|--------------------|--------|--------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 62 538 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 62 539 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 62 540 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 541 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 542 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 543 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 544 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 545 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 546 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |
| Rated current (A): 32 | | | | | | |
| GW 62 547 | 2P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 62 548 | 3P | 20-25 V | ■ | 50 - 60 Hz | - | 10/20 |
| GW 62 549 | 2P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 550 | 3P | 40-50 V | □ | 50 - 60 Hz | 12 | 10/20 |
| GW 62 551 | 2P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 552 | 3P | 20-25V and 40-50 V | ■ | 100 - 200 Hz | 4 | 10/20 |
| GW 62 553 | 2P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 554 | 3P | 20-25V and 40-50 V | ■ | 401 - 500 Hz | 11 | 10/20 |
| GW 62 555 | 2P | 20-25V and 40-50 V | □ | d.c. | 10 | 10/20 |

CHARACTERISTICS: nickel-plated contacts. Ø 29mm cable gland.

IEC 309 BTS



WIDE RANGE



The range consists of 16-32A straight and 90°, surface-mounting and flush-mounting plugs and socket-outlets, in protected versions (10° flush-mounting socket-outlet versions also available in a waterproof version IP67).

FOR EXTRA- LOW VOLTAGE APPLICATIONS



The BTS IEC 309 range plugs and sockets-outlets are ideal for connection and use with machinery and devices with voltages lower than 50V (e.g.: bell transformers, toy transformers, halogen lamps, etc.)

SYNERGY WITH DISTRIBUTION BOARDS



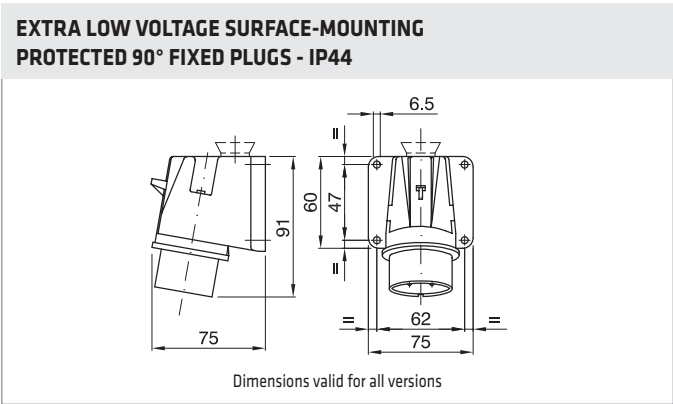
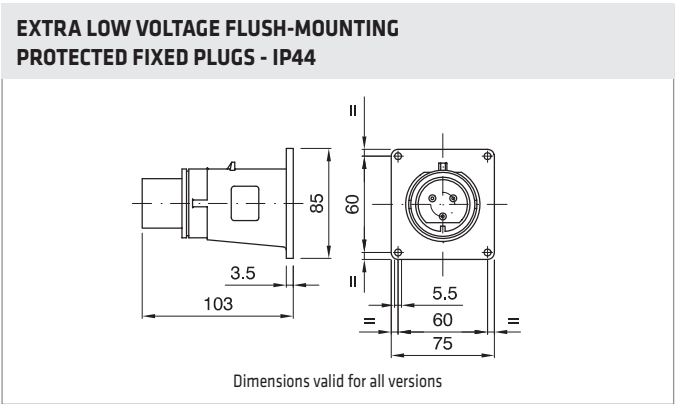
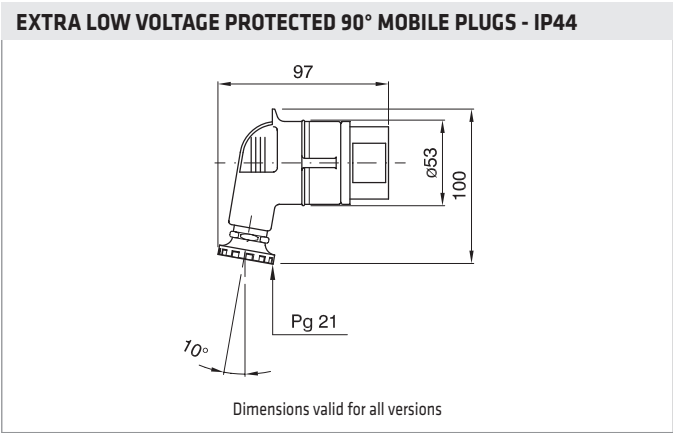
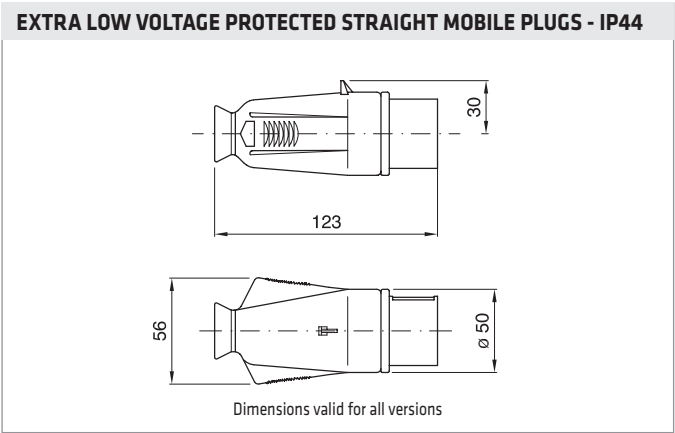
The 10° flush-mounted socket-outlets of the extra-low voltage range have the same dimensions and the same fixing centre distance as the normal IEC 309 socket-outlets, therefore they can also be installed on the Q-DIN, Q-BOX and QMC boards.

Technical data and compliance with Standards

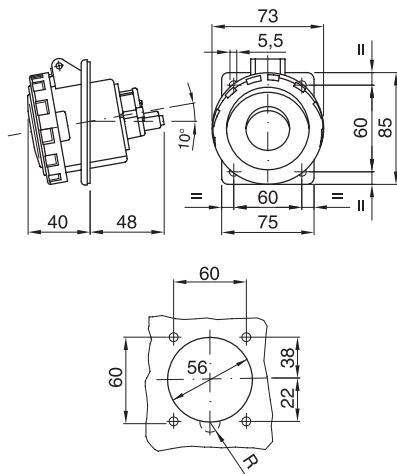
| ELECTRICAL AND MECHANICAL CHARACTERISTIC | | | | | | | | | | |
|--|------------------------------|--------------------------|-------------------------|-----------------------------|-------------------------------|---------------------------------|------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Rated current In (A) | Degree of protection (IP) | Standard | Rated voltage Un (V) | Permissible overload (A) | No. of operations carried out | Breaking capacity at 1.1 Un (A) | Impact resistance (IK) | Insulation resistance (MΩ) | Heat resistance | Resistance to abnormal heat and fire |
| | | | | | | | | | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
| 16 | IP44 e IP67 | EN 60309-1 (CEI 23-12/1) | Da 24 a 500 | 22 | > 5000 | 20 | IK 08 | > 10 | 125 | 850 |
| 32 | | EN 60309-2 (CEI 23-12/2) | | 42 | > 2000 | 40 | | | Passive parts 80 Active parts | Active parts 650 Passive parts |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|--------------------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Alcohol | | |
| Resistant | Not resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant |

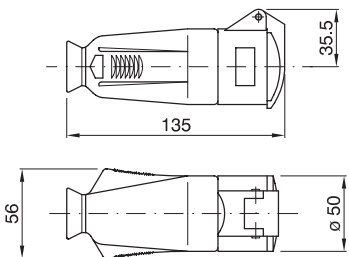
Dimension tables - Extra-low voltage plugs and sockets



EXTRA-LOW VOLTAGE 10° FLUSH-MOUNTING SOCKETS - IP67

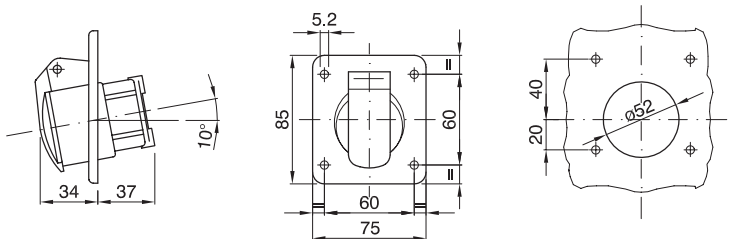


**EXTRA LOW VOLTAGE PROTECTED
STRAIGHT MOBILE SOCKET-OUTLETS - IP44**

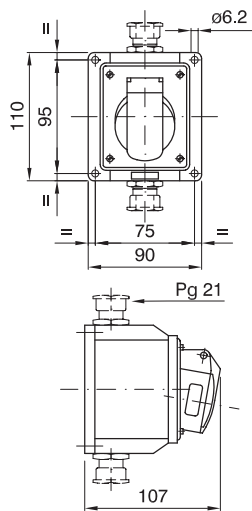


Dimensions valid for all versions

EXTRA-LOW VOLTAGE 10° FLUSH-MOUNTING SOCKETS - IP44

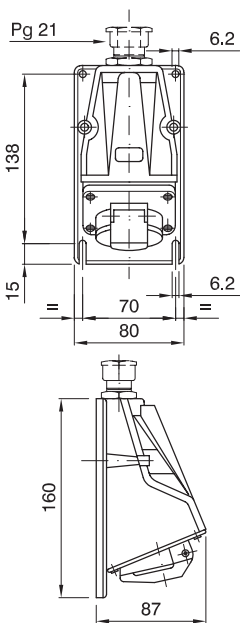


**EXTRA LOW VOLTAGE SURFACE-MOUNTING
PROTECTED 10° FIXED SOCKET-OUTLETS - IP44**






Dimensions valid for all versions


**EXTRA LOW VOLTAGE SURFACE-MOUNTING
PROTECTED 90° FIXED SOCKET-OUTLETS - IP44**





Dimensions valid for all versions


| | MULTIPLE SOCKET COUPLERS | | | | | | | |
|--|--------------------------|--------------------|--------------------|--------|-------------|--------------------------|--------------------------|--------------------------|
| | INPUT | | | | | COUPLER OUTPUTS | | |
| | Type | Rated current (In) | Rated Voltage (Un) | Poles | Reference h | No. 2 socket-outlets 16A | No. 3 socket-outlets 16A | No. 3 socket-outlets 32A |
|  | Without cable | 16 A | 100 ÷ 130 V | 2P+E | 4 | GW 64 008 | GW 64 022 | |
| | | | | 3P+E | 4 | | GW 64 023 | |
| | | | 200 ÷ 250 V | 2P+E | 6 | GW 64 010 | GW 64 024 | |
| | | | | 3P+E | 9 | GW 64 011 | GW 64 025 | |
| | | | | 3P+N+E | 9 | GW 64 012 | GW 64 026 | |
| | | | 380 ÷ 415 V | 3P+E | 9 | GW 64 013 | GW 64 027 | |
| | | | | 3P+N+E | 6 | GW 64 014 | GW 64 028 | |
| | | 32 A | 380 ÷ 415 V | 3P+E | 6 | | | GW 64 068 |
|  | With cable | 16 A | 100 ÷ 130 V | 2P+E | 4 | | GW 64 050 | |
| | | | 200 ÷ 250 V | 2P+E | 6 | | GW 64 052 | |
| | | | 380 ÷ 415 V | 3P+E | 6 | | GW 64 055 | |
| | | | | 3P+N+E | 6 | | GW 64 056 | |
| | | | | | | | | |

| | MULTIPLE SOCKET ADAPTORS | | | | | | | |
|---|--------------------------|--------------------|--------|-------------|----------------------|-------------|---------------|-----------|
| | INPUT | | | | OUTLETS | | | |
| | Rated current (In) | Rated Voltage (Un) | Poles | Reference h | No. 3 socket-outlets | | | Code |
| | | | | | 2P+E 230 V~ | 3P+E 400 V~ | 3P+N+E 400 V~ | |
|  | 16 A | 380 ÷ 415 V | 3P+N+E | 6 | 2x16A | | 1x16A | GW 64 059 |
| | | | | | 1x16A | 1x16A | 1x16A | GW 64 060 |
| | 32 A | 200 ÷ 250 V | 2P+E | 6 | 3x16A | | | GW 64 062 |
| | | 380 ÷ 415 V | 3P+N+E | 6 | 1x16A | 1x16A | 1x16A | GW 64 063 |
| | | | | | 2x16A | | 1x32A | GW 64 064 |
| | | | | | 1x32A | 1x32A | 1x32A | GW 64 061 |
| | 63 A | 380 ÷ 415 V | 3P+N+E | 6 | 2x32A | | 1x63A | GW 64 065 |
| | | | | | | | | |

| | PHASE INVERTER | | | | | | |
|---|--------------------|--------------------|--------|-------------|----------------------|---------------|-----------|
| | INPUT | | | | OUTLETS | | |
| | Rated current (In) | Rated Voltage (Un) | Poles | Reference h | No. 1 socket outlets | | Code |
| | | | | | 3P+E 400 V~ | 3P+N+E 400 V~ | |
|  | 16 A | 380 ÷ 415 V | 3P+E | 6 | 1x16A | | GW 64 066 |
| | | | 3P+N+E | 6 | | 1x16A | GW 64 067 |

Important notice: the range of multiple socket adaptors, adaptors and shunts should be considered an integral part of the electrical system, since they are products suitable only for temporary, trailing installations and connections, and not for permanent applications. Furthermore, the range cannot be used in areas with a fire hazard.

| SYSTEM ADAPTORS | | | | | | | | | | | | | |
|--|-------------------------|--------------------|----------------------------------|-------------|--|--|---|--------------------------------------|---------------------------------------|------------------|--------------------------|-----------|--|
| INPUT | | | | | | DOMESTIC SOCKET-OUTLET | | | | | INDUSTRIAL SOCKET-OUTLET | | |
| Type | Rated current (In) | Rated Voltage (Un) | Poles | Reference h | N. 2 outputs 2P+E 16A dual amp. (P17/P11) | No. 1 output 2P+E 16A dual amp. (P30/P17) | No. 1 output 2P+E 10/16A German Std. | No. 1 output 2P+E 16A French Std. | No. 1 output 2P+E 13A British Std. | 2P+E 16A 230V 6h | | | |
|   | IEC 309 industrial plug | 200 ÷ 250 V | 2P+E | 6 | GW 64 211 | | | | | | | | |
| | | | | | | GW 64 212 | | | | | | | |
| | | | | | | | GW 64 210 | | | | | | |
| | | | | | | | | GW 64 203 | | | | | |
| | | | | | | | | | GW 64 204 | | | | |
| | | | | | GW 64 206 fitted for other combinations | | | | | | | | |
| | | 380 ÷ 415 V | 3P+N+E | 6 | GW 64 216 | | | | | | | | |
| | | | | | | GW 64 217 | | | | | | | |
| | | | | | GW 64 207 fitted for other combinations | | | | | | | | |
| | | Domestic sockets | 2P+E 16A 250V S17 | | | | | | | | | GW 64 208 | |
| | | | 2P+E 16A 250V German/French Std. | | | | | | | | | GW 64 209 | |

| | SYSTEM BRANCHED ADAPTORS | | | | | | | | | |
|---|--------------------------|---------------------------|-------------|-----------------------------------|---------|---|---|---|-----------|-----------|
| | INPUT | | | | | OUTPUT | | | | Code |
| | | | | | | INDUSTRIAL | DOMESTIC | | | |
| Type | Rated current (In) | Rated Voltage (Un) | Poles | Reference h | IEC 309 | No. 2 socket-outlets 2P+E 16A dual amp. (P17/P11) | No. 1 socket outlets 2P+E 16A dual amp. (P30/P17) | No. 2 socket-outlets 2P+E 16A dual amp. (P17/P11) No. 1 socket-outlet 2P+E 16A dual amp. (P30/P17) | | |
|  | IEC 309 industrial plug | 16 A | 200 ÷ 250 V | 2P+E | 6 | • | • | | GW 64 221 | |
| | | | | | | • | | • | | GW 64 222 |
| | | | | | | • | Fitted for No. 2 SYSTEM modules | | | GW 64 223 |
| | | | • | Fitted for No. 2+2 SYSTEM modules | | | GW 64 231 | | | |
| | | | • | Fitted for No. 2+2 SYSTEM modules | | | GW 64 232 | | | |
| | | | • | | | • | GW 64 236 | | | |
| | | | • | Fitted for No. 2+2 SYSTEM modules | | | GW 64 237 | | | |
| | Cable with IEC309 plug | 380 ÷ 415 V | 3P+N+E | 6 | • | | | • | GW 64 256 | |
| | Cable with domestic plug | | 3P+N+E | 6 | • | | | • | GW 64 263 | |
| | | | 200 ÷ 250 V | 2P+E S17 | | 2P+E 16A - 230V | | | • | GW 64 265 |
| | | Fitted for cable and plug | | | | 2P+E 16A - 230V | Fitted for No. 2+2 SYSTEM modules | | GW 64 265 | |

Important notice: the range of multiple socket adaptors, adaptors and shunts should be considered an integral part of the electrical system, since they are products suitable only for temporary, trailing installations and connections, and not for permanent applications. Furthermore, the range cannot be used in areas with a fire hazard.

IEC 309 MA

Multiple sockets and adaptor for industrial and domestic uses, protected and watertight

The IEC 309 MA range is a range of multipliers, adapters and branched.

They are available in currents of 16, 32 or 63 A and have a varying number of outlets and poles in numerous different combinations.

These products should be considered supplementary to the system as they are only suitable for use in temporary installations and mobile connections and they have not been designed for permanent applications.



Technical characteristics page 1037

64 - MULTIPLE SOCKET-COUPERS

2-OUTPUTS



GW 64 013

MULTIPLE SOCKET-COUPERS 2 OUTPUTS WITH 16A PLUG - 50/60HZ - IP67



| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|--------------------------|--------------|---------------|--------|-------------|-------------|
| Plug IEC 309: 16A | | | | | |
| GW 64 008 | 2P+E | 110 V | Yellow | 4 | 5/20 |
| GW 64 010 | 2P+E | 230 V | Blue | 6 | 5/20 |
| GW 64 011 | 3P+E | 230 V | Blue | 9 | 5/10 |
| GW 64 012 | 3P+N+E | 230 V | Blue | 9 | 5/10 |
| GW 64 013 | 3P+E | 400 V | Red | 6 | 5/10 |
| GW 64 014 | 3P+N+E | 400 V | Red | 6 | 5/10 |

3-OUTPUTS



GW 64 027

MULTIPLE SOCKET-COUPERS 3 OUTPUTS WITH 16-32A PLUG - 50/60HZ - IP67



| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|--------------------------|--------------|---------------|--------|-------------|-------------|
| Plug IEC 309: 16A | | | | | |
| GW 64 022 | 2P+E | 110 V | Yellow | 4 | 5/10 |
| GW 64 023 | 3P+E | 110 V | Yellow | 4 | 5/10 |
| GW 64 024 | 2P+E | 230 V | Blue | 6 | 5/10 |
| GW 64 025 | 3P+E | 230 V | Blue | 9 | 5/10 |
| GW 64 026 | 3P+N+E | 230 V | Blue | 9 | 5/10 |
| GW 64 027 | 3P+E | 400 V | Red | 6 | 5/10 |
| GW 64 028 | 3P+N+E | 400 V | Red | 6 | 5/10 |
| Plug IEC 309: 32A | | | | | |
| GW 64 068 | 3P+E | 400 V | Red | 6 | 1/4 |

3-OUTPUTS WITH CABLE AND PLUG



GW 64 052

WATERTIGHT MULTIPLE SOCKET-COUPERS 3 OUTPUTS WITH 2M FLEXIBLE CABLE AND 16A PLUG - 50/60HZ - IP67



| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|--------------------------|--------------|---------------|--------|-------------|-------------|
| Plug IEC 309: 16A | | | | | |
| GW 64 050 | 2P+E | 110 V | Yellow | 4 | 1/6 |
| GW 64 052 | 2P+E | 230 V | Blue | 6 | 1/6 |
| GW 64 055 | 3P+E | 400 V | Red | 6 | 1/3 |
| GW 64 056 | 3P+N+E | 400 V | Red | 6 | 1/3 |


64 - MULTIPLE SOCKET-ADAPTORS

CONFIGURATION ADAPTORS



GW 64 059


WATERTIGHT MULTIPLE SOCKET-ADAPTORS WITH 16A PLUG - 50/60 HZ - IP67

|  | | | | |
|---|--------------------------|--------------------------|--------------------------|----------------|
| Code | Socket-outlet IEC 309 | Socket-outlet IEC 309 | Socket-outlet IEC 309 | Pack Carton |
| Plug IEC 309: 3P+N+E - 16A - 400V ac | | | | |
| GW 64 059 | 2P+E - 16A - 230V ac | 2P+E - 16A - 230V ac | 3P+N+E - 16A - 400V ac | 5/10 |
| GW 64 060 | 2P+E - 16A - 230V ac | 3P+E - 16A - 400V ac | 3P+N+E - 16A - 400V ac | 5/10 |



GW 64 061

WATERTIGHT MULTIPLE SOCKET-ADAPTORS WITH 32A PLUG - 50/60HZ - IP67


|  | | | | |
|---|--------------------------|--------------------------|--------------------------|----------------|
| Code | Socket-outlet IEC 309 | Socket-outlet IEC 309 | Socket-outlet IEC 309 | Pack Carton |
| Plug IEC 309: 3P+N+E - 32A - 400V ac | | | | |
| GW 64 061 | 2P+E - 32A - 230V ac | 3P+E - 32A - 400V ac | 3P+N+E - 32A - 400V ac | 1/5 |

CURRENT ADAPTORS



GW 64 062

WATERTIGHT MULTIPLE-SOCKET ADAPTOR WITH 32 A PLUG - 50/60 HZ - IP67




| Code | Socket-outlet IEC 309 | Socket-outlet IEC 309 | Socket-outlet IEC 309 | Pack Carton |
|---|--------------------------|--------------------------|--------------------------|----------------|
| Plug IEC 309: 2P+E - 32A - 230V ac | | | | |
| GW 64 062 | 2P+E - 16A - 230V ac | 2P+E - 16A - 230V ac | 2P+E - 16A - 230V ac | 5/10 |
| Plug IEC 309: 3P+N+E - 32A - 400V ac | | | | |
| GW 64 063 | 2P+E - 16A - 230V ac | 3P+E - 16A - 400V ac | 3P+N+E - 16A - 400V ac | 5/10 |
| GW 64 064 | 2P+E - 16A - 230V ac | 2P+E - 16A - 230V ac | 3P+N+E - 32A - 400V ac | 1/5 |



GW 64 065

WATERTIGHT MULTIPLE SOCKET-ADAPTORS PLUG 63A - 50/60 HZ - IP67




| Code | Socket-outlet IEC 309 | Socket-outlet IEC 309 | Socket-outlet IEC 309 | Pack Carton |
|---|--------------------------|--------------------------|--------------------------|----------------|
| Plug IEC 309: 3P+N+E - 63A - 400V ac | | | | |
| GW 64 065 | 2P+E - 32A - 230V ac | 2P+E - 32A - 230V ac | 3P+N+E - 63A - 400V ac | 1/2 |

PHASE INVERTER



GW 64 066

PROTECTED PHASE INVERTER - 16 A - 50/60 HZ - IP44

|  | | |
|---|--------------------------|----------------|
| Code | Socket-outlet IEC 309 | Pack Carton |
| Plug IEC 309: 3P+E - 16A - 400V ac | | |
| GW 64 066 | 3P+E - 16A - 400V ac | 10/20 |
| Plug IEC 309: 3P+N+E - 16A - 400V ac | | |
| GW 64 067 | 3P+N+E - 16A - 400V ac | 10/20 |

IEC 309 MA

64 IC/CI - SYSTEM ADAPTORS

FROM INDUSTRIAL TO DOMESTIC: WIRED



GW 64 203

SYSTEM ADAPTORS: IEC 309 IP44 PLUG / SOCKET-OUTLET FOR RESIDENTIAL USE - 50/60HZ

| Code | Resid. socket-outlets 250V~ | Pack Carton |
|---|--|----------------|
| Plug IEC 309: 2P+E - 16A - 230V ac | | |
| GW 64 203 | N. 1 - 2P+E - 16A French | 10/40 |
| GW 64 204 | N. 1 - 2P+E - 13A British | 10/40 |
| GW 64 210 | N. 1 - 2P+E - 10/16A German | 10/40 |
| GW 64 211 | N. 2 - 2P+E - 16A Dual amp (P17/11) | 10/40 |
| GW 64 212 | N. 1 - 2P+E - 16A Dual amp (P30 - P17) | 10/40 |
| Plug IEC 309: 3P+N+E - 16A - 400V ac | | |
| GW 64 216 | N. 2 - 2P+E - 16A Dual amp (P17/11) | 10/40 |
| GW 64 217 | N. 1 - 2P+E - 16A Dual amp (P30 - P17) | 10/40 |

CHARACTERISTICS: GW64211 - GW64216, domestic socket-outlets with Ø 4 / 5 mm plug pins.
GW64212 - GW64217, domestic socket-outlets with Ø 4 / 4.8 / 5 mm plug pins, with side and central earth contact.
NOTES: only for temporary uses.

FROM INDUSTRIAL TO DOMESTIC: FITTED



GW 64 206

SYSTEM ADAPTORS: IEC 309 IP44 PLUG FOR FITTING FOR 2 MODULE SYSTEM RANGE - 50/60HZ

| Code | Housing for | Pack Carton |
|---|-------------|----------------|
| Plug IEC 309: 2P+E - 16A - 230V ac | | |
| GW 64 206 | 2 | 10/40 |
| Plug IEC 309: 3P+N+E - 16A - 400V ac | | |
| GW 64 207 | 2 | 10/40 |

ACCESSORIES SUPPLIED: wiring cables.
NOTES: only for temporary uses.

FROM DOMESTIC TO INDUSTRIAL: WIRED



GW 64 209

SYSTEM ADAPTORS DOMESTIC USE PLUG / IEC 309 IP44 SOCKET-OUTLET - 50/60HZ

| Code | Socket-outlet IEC 309 | Pack Carton |
|---|--------------------------|----------------|
| Domestic socket-outlet: 2P+E - 16A - 250V ac S17 | | |
| GW 64 208 | 2P+E - 16A - 230V ac | 10/40 |
| Domestic socket-outlet: 2P+E - 16A - 250V ac German/French | | |
| GW 64 209 | 2P+E - 16A - 230V ac | 10/40 |

CHARACTERISTICS: GW64209, with double earth contact (German standard side contact and French standard middle contact).
NOTES: only for temporary uses.

64 IC/CI - SYSTEM BRANCHED ADAPTORS

1 BRANCHED OUTLET: WIRED



GW 64 221

CONVERSION ADAPTORS: PLUG FOR DOMESTIC USE / IEC 309 SOCKET-COUPLER IP44 - 50/60HZ



| Code | Resid. socket-outlets 250V~ | Socket-outlet IEC 309 | Pack Carton |
|---|--|--------------------------|----------------|
| Plug IEC 309: 2P+E - 16A - 230V ac | | | |
| GW 64 221 | N. 2 - 2P+E - 16A Dual amp (P17/P11) | 2P+E - 16A - 230V ac | 5/20 |
| GW 64 222 | N. 1 - 2P+E - 16A Dual amp (P30 - P17) | 2P+E - 16A - 230V ac | 5/20 |

CHARACTERISTICS: GW64221 domestic socket-outlets with plug pins Ø 4/5mm.

GW64222 domestic socket-outlets with plug pins Ø 4/4.8/5mm, with side and central earthing.

NOTES: only for temporary uses.

1 BRANCHED OUTLET: FITTED



GW 64 223

CONVERSION ADAPTORS: IEC 309 PLUG FITTING FOR 2 SYSTEM MODULES/IEC 309 SOCKET-COUPLER IP44 - 50/60HZ



| Code | Housing for | Socket-outlet IEC 309 | Pack Carton |
|---|-------------|--------------------------|----------------|
| Plug IEC 309: 2P+E - 16A - 230V ac | | | |
| GW 64 223 | 2 | 2P+E - 16A - 230V ac | 5/20 |

ACCESSORIES SUPPLIED: wiring cables.

NOTES: only for temporary uses.

2 BRANCHED OUTLETS: WIRED



GW 64 231

CONVERSION ADAPTORS: PLUG IEC 309 IP44. SOCKET-OUTLET FOR DOMESTIC USE / IEC 309 SOCKET-COUPLER IP44 - 50/60HZ



| Code | Resid. socket-outlets 250V~ | Socket-outlet IEC 309 | Pack Carton |
|---|---------------------------------|--------------------------|----------------|
| Plug IEC 309: 2P+E - 16A - 230V ac | | | |
| GW 64 231 | N. 2 (P17/P11) - N. 1 (P30-P17) | 2P+E - 16A - 230V ac | 5/20 |
| Plug IEC 309: 3P+N+E - 16A - 400V ac | | | |
| GW 64 236 | N. 2 (P17/P11) - N. 1 (P30-P17) | 3P+N+E - 16A - 400V ac | 5/10 |

NOTES: only for temporary uses.

2 BRANCHED OUTLETS: FITTED



GW 64 232

CONVERSION ADAPTORS: IEC 309 PLUG. FITTING FOR 2+2 SYSTEM MODULES/IEC 309 SOCKET-COUPLER IP44 - 50/60HZ



| Code | Housing for | Socket-outlet IEC 309 | Pack Carton |
|---|-------------|--------------------------|----------------|
| Plug IEC 309: 2P+E - 16A - 230V ac | | | |
| GW 64 232 | 2+2 | 2P+E - 16A - 230V ac | 5/20 |
| Plug IEC 309: 3P+N+E - 16A - 400V ac | | | |
| GW 64 237 | 2+2 | 3P+N+E - 16A - 400V ac | 5/10 |

ACCESSORIES SUPPLIED: wiring cables.


NOTES: only for temporary uses.

2 BRANCHED OUTLETS WITH CABLE AND PLUG: WIRED



GW 64 256

CONVERSION ADAPTOR SHUNT WITH 2 M OF FLEXIBLE CABLE:
IEC 309 PLUG IP44 DOMESTIC SOCKETS / IEC 309 SOCKET-COUPLER IP44 - 50/60HZ


|  | | | |
|---|--------------------------------|--------------------------|----------------|
| Code | Resid. socket-outlets 250V~ | Socket-outlet IEC 309 | Pack Carton |
| Plug IEC 309: 3P+N+E - 16A - 400V ac | | | |
| GW 64 256 | N. 2 (P17/11) -N. 1 (P30-P17) | 3P+N+E - 16A - 400V ac | 1/3 |

CHARACTERISTICS: 2 domestic socket-outlets with Ø 4 / 5 mm plug pins (P17/11) and 1 domestic socket-outlet with Ø 4 / 4.8 / 5 mm plug pins (P30 - P17) with side and central earth control.
NOTES: only for temporary uses.



GW 64 263

CONVERSION ADAPTOR SHUNT WITH 2 M OF FLEXIBLE CABLE:
PLUG FOR DOMESTICUSE / SOCKETS-OUTLETS FOR DOMESTIC USE / IEC 309 SOCKET-COUPLER IP44 - 50/60HZ

|  | | | |
|---|--------------------------------|--------------------------|----------------|
| Code | Resid. socket-outlets 250V~ | Socket-outlet IEC 309 | Pack Carton |
| Domestic socket-outlet: 2P+E - 16A - 250V ac S17 | | | |
| GW 64 263 | N. 2 (P17/11) -N. 1 (P30-P17) | 2P+E - 16A - 230V ac | 1/6 |


CHARACTERISTICS: 2 domestic socket-outlets with Ø 4 / 5 mm plug pins (P17/11) and 1 domestic socket-outlet with Ø 4 / 4.8 / 5 mm plug pins (P30 - P17) with side and central earth control.
NOTES: only for temporary uses.

2 BRANCHED OUTLETS FITTED FOR CABLE AND PLUG



GW 64 265

CONVERSION ADAPTOR SHUNT:
FITTING FOR 2+2 SYSTEM MODULES / IEC 309 SOCKET-COUPLER IP44 - 50/60HZ

|  | | | |
|---|-------------|--------------------------|----------------|
| Code | Housing for | Socket-outlet IEC 309 | Pack Carton |
| GW 64 265 | 2+2 | 2P+E - 16A - 230V ac | 5/20 |

ACCESSORIES SUPPLIED: wiring cables.
NOTES: only for temporary uses.

IEC 309 MA



MOBILE
MULTIPLIERS



The IEC 309 MA range has a number of different watertight mobile multiplier models available equipped with 2 or 3 outputs with or without cable. Available with screw wiring and with currents up to 32A.

MULTIPLE
SOCKET-ADAPTORS



3 versions that allow to meet even the most varied connection and power take-off requirements: configuration adaptors, current adaptors and phase inverters.

ADAPTORS AND
BRACHED-ADAPTORS



They can transform an industrial connection into a domestic connection and vice versa. Available with currents from 16A, pre-wired or just "prearranged" to allow the user to complete the configuration of the product depending on the specific needs.

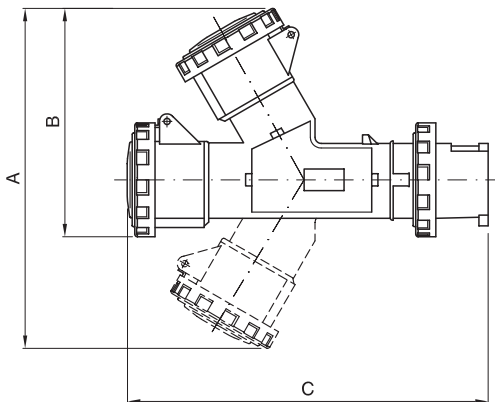
Technical data and compliance with Standards

| ELECTRICAL AND MECHANICAL CHARACTERISTIC | | | | | | | | | | |
|--|---------------------------------|--|----------------------------|--------------------------------|-------------------------------------|---------------------------------------|------------------------------|----------------------------------|--|---|
| Rated current In (A) | Degree of protection (IP) | Standard | Rated voltage Un (V) | Permissible overload (A) | No. of operations carried out | Breaking capacity at 1.1 Un (A) | Impact resistance (IK) | Insulation resistance (MΩ) | Heat resistance | Resistance to abnormal heat and fire |
| | | | | | | | | | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
| 16 | IP44 e IP67 | EN 60309-1 (CEI 23-12/1) EN 60309-2 (CEI 23-12/2) | Da 24 a 500 | 22 | > 5000 | 20 | IK 08 | > 10 | 125 Passive parts 80 Active parts | 850 Active parts 650 Passive parts |
| 32 | | | | 42 | > 2000 | 40 | | | | |
| 63 | | | | - | > 2000 | 79 | | | | |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|------------------|-----------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|----------------|------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Alcohol | | |
| Resistant | Not resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant |

Dimension tables - Multiple and adaptor socket-outlets

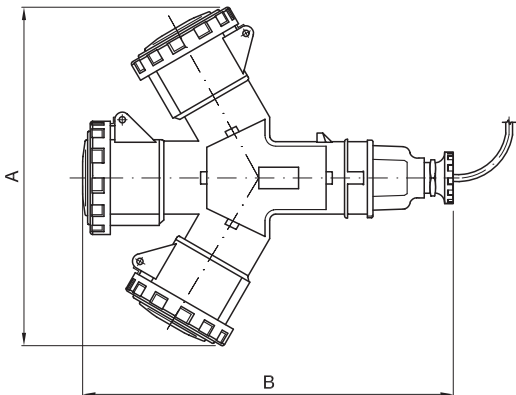
MOBILE WATERTIGHT MULTIPLIERS - IP67



| CODE | A | B | C | No. OUTPUTS |
|-----------|-----|-----|-----|-------------|
| GW 64 008 | | 146 | 235 | 2 |
| GW 64 010 | | | | |
| GW 64 009 | | 156 | 246 | |
| GW 64 011 | | | | |
| GW 64 012 | | 166 | 258 | 3 |
| GW 64 014 | | | | |
| GW 64 022 | 218 | | 235 | |
| GW 64 024 | | | | |
| GW 64 023 | | | | |
| GW 64 025 | 230 | | 246 | |
| GW 64 027 | | | | |

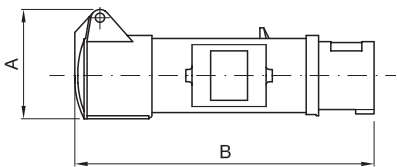
| CODE | A | C | No. OUTPUTS |
|-----------|-----|-----|-------------|
| GW 64 026 | 242 | 258 | 3 |
| GW 64 028 | | | |
| GW 64 059 | 245 | 260 | |
| GW 64 060 | | | |
| GW 64 062 | 235 | 265 | |
| GW 64 063 | 250 | 280 | |
| GW 64 064 | 255 | 295 | |
| GW 64 061 | 280 | 305 | |
| GW 64 065 | 295 | 370 | |
| GW 64 068 | 270 | 270 | |

MOBILE MULTIPLIERS WITH WATERTIGHT CABLE AND PLUG - IP67



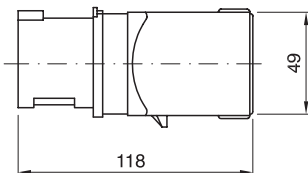
| CODE | A | B |
|-----------|-----|-----|
| GW 64 050 | 218 | 254 |
| GW 64 052 | | |
| GW 64 051 | 230 | 262 |
| GW 64 053 | | |
| GW 64 055 | | |
| GW 64 054 | 242 | 277 |
| GW 64 056 | | |

PROTECTED MOBILE PHASE INVERTER ADAPTERS



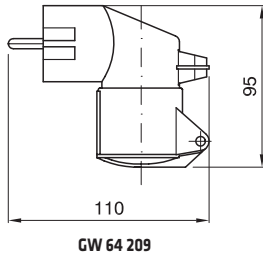
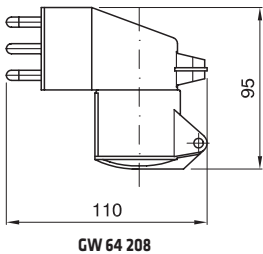
| CODE | A | B |
|-----------|----|-----|
| GW 64 066 | 76 | 196 |
| GW 64 067 | 83 | 196 |

MOBILE SYSTEM ADAPTERS (FROM INDUSTRIAL TO DOMESTIC)

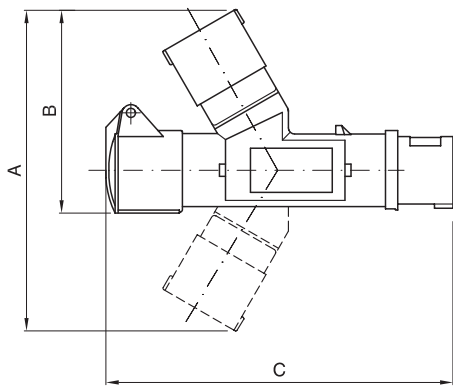


| CODE | A |
|-----------|-----|
| GW 64 203 | 118 |
| GW 64 204 | |
| GW 64 206 | |
| GW 64 210 | |
| GW 64 211 | |
| GW 64 212 | |
| GW 64 215 | 123 |
| GW 64 207 | |
| GW 64 216 | |
| GW 64 217 | |

MOBILE SYSTEM ADAPTERS (FROM DOMESTIC TO INDUSTRIAL)

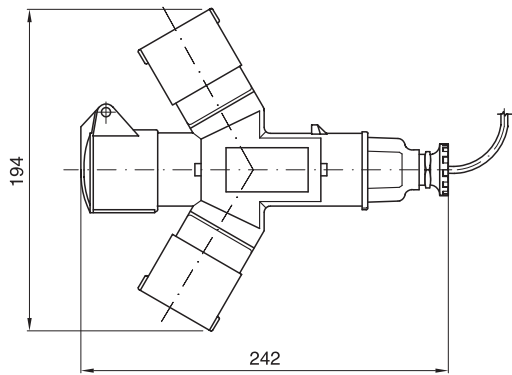


MOBILE SYSTEM ADAPTER SHUNTS WITH PLUG



| CODE | A | B | C | No. OUTPUTS |
|-----------|-----|-----|-----|-------------|
| GW 64 221 | | 125 | 233 | 2 |
| GW 64 222 | | | | |
| GW 64 223 | | | | |
| GW 64 226 | | 134 | 245 | |
| GW 64 227 | | | | |
| GW 64 228 | | | | |
| GW 64 231 | 194 | | 233 | 3 |
| GW 64 232 | | | | |
| GW 64 236 | | | | |
| GW 64 237 | 202 | | 245 | |

MOBILE SYSTEM ADAPTER SHUNTS WITH CABLE AND PLUG



| CODE | A | B |
|-----------|-----|-----|
| GW 64 263 | 194 | 242 |
| GW 64 265 | | |
| GW 64 256 | 202 | 254 |

Interlocked socket-outlet IEC 309 standard

67 IB

VERTICAL INTERLOCKED SOCKET-OUTLETS IEC 309 STANDARD



66 IB

VERTICAL INTERLOCKED SOCKET-OUTLETS IEC 309 STANDARD FOR HEAVY DUTY APPLICATION



COMBIBLOC

COMPACT INTERLOCKED SOCKET-OUTLETS IEC 309 STANDARD













INTERLOCKED SWITCHED SOCKET-
OUTLET IEC 309 STANDARD













44 IB















HORIZONTAL INTERLOCKED SOCKET-OUTLETS IEC 309 STANDARD



| | | | | VERTICAL SOCKET-OUTLETS - 67 IB | | | | | | VERTICAL SOCKET-OUTLETS FOR HEAVY DUTY USE - 66 IB | | |
|------------------|------------------|-----------|--------------|---|---|---|---|--|---|---|---|---|
| | | | |  |  |  |  |  |  |  |  |  |
| Rated current In | Rated voltage Un | No. poles | Reference h. | Vertical socket-outlets with MCB, without bottom (AUTOMATIKA) IP 67 | Vertical socket-outlets with MCB, with bottom (AUTOMATIKA) IP 67 | Vertical socket-outlets with rotary switch, without bottom IP 67 | Vertical socket-outlets with rotary switch, with bottom IP 67 | Vertical socket-outlets with fuse-holder base, without bottom IP 67 | Vertical socket-outlets with fuse-holder base, with bottom IP 67 | Vertical socket-outlets with rotary switch, without bottom IP 66 | Vertical socket-outlets with rotary switch, with bottom IP 66 | Vertical socket-outlets with fuse-holder base, without bottom IP 66 |
| 16 A | 20 ÷ 25 V | 2P | w.r. | | | GW 66 359 N | GW 66 259 N | | | | | GW 66 886 |
| | 100 ÷ 130 V | 2P+E | 4 | GW 66 151 N | GW 66 051 N | GW 66 301 N | GW 66 201 N | GW 66 323 N | GW 66 223 N | GW 66 535 | GW 66 501 | GW 66 801 |
| | | 3P+E | 4 | GW 66 152 N | GW 66 052 N | GW 66 302 N | GW 66 202 N | GW 66 324 N | GW 66 224 N | GW 66 536 | GW 66 502 | GW 66 802 |
| | | 3P+N+E | 4 | GW 66 153 N | GW 66 053 N | GW 66 303 N | GW 66 203 N | GW 66 325 N | GW 66 225 N | GW 66 537 | GW 66 503 | GW 66 803 |
| | 200 ÷ 250 V | 2P+E | 6 | GW 66 154 N | GW 66 054 N | GW 66 304 N | GW 66 204 N | GW 66 326 N | GW 66 226 N | GW 66 538 | GW 66 504 | GW 66 804 |
| | | 3P+E | 9 | GW 66 155 N | GW 66 055 N | GW 66 305 N | GW 66 205 N | GW 66 327 N | GW 66 227 N | GW 66 539 | GW 66 505 | GW 66 805 |
| | | 3P+N+E | 9 | GW 66 156 N | GW 66 056 N | GW 66 306 N | GW 66 206 N | GW 66 328 N | GW 66 228 N | GW 66 540 | GW 66 506 | GW 66 806 |
| | 380 ÷ 415 V | 2P+E | 9 | GW 66 157 N | GW 66 057 N | GW 66 307 N | GW 66 207 N | GW 66 329 N | GW 66 229 N | GW 66 541 | GW 66 507 | GW 66 807 |
| | | 3P+E | 6 | GW 66 158 N | GW 66 058 N | GW 66 308 N | GW 66 208 N | GW 66 330 N | GW 66 230 N | GW 66 542 | GW 66 508 | GW 66 808 |
| | | 3P+N+E | 6 | GW 66 159 N | GW 66 059 N | GW 66 309 N | GW 66 209 N | GW 66 331 N | GW 66 231 N | GW 66 543 | GW 66 509 | GW 66 809 |
| | 480 ÷ 500 V | 3P+E | 7 | | | GW 66 310 N | GW 66 210 N | GW 66 332 N | GW 66 232 N | GW 66 544 | GW 66 510 | GW 66 810 |
| | | 3P+N+E | 7 | | | GW 66 311 N | GW 66 211 N | GW 66 333 N | GW 66 233 N | GW 66 545 | GW 66 511 | GW 66 811 |
| 32 A | 100 ÷ 130 V | 2P+E | 4 | GW 66 162 N | GW 66 062 N | GW 66 312 N | GW 66 212 N | GW 66 334 N | GW 66 234 N | GW 66 546 | GW 66 512 | GW 66 812 |
| | | 3P+E | 4 | GW 66 163 N | GW 66 063 N | GW 66 313 N | GW 66 213 N | GW 66 335 N | GW 66 235 N | GW 66 547 | GW 66 513 | GW 66 813 |
| | | 3P+N+E | 4 | GW 66 164 N | GW 66 064 N | GW 66 314 N | GW 66 214 N | GW 66 336 N | GW 66 236 N | GW 66 548 | GW 66 514 | GW 66 814 |
| | 200 ÷ 250 V | 2P+E | 6 | GW 66 165 N | GW 66 065 N | GW 66 315 N | GW 66 215 N | GW 66 337 N | GW 66 237 N | GW 66 549 | GW 66 515 | GW 66 815 |
| | | 3P+E | 9 | GW 66 166 N | GW 66 066 N | GW 66 316 N | GW 66 216 N | GW 66 338 N | GW 66 238 N | GW 66 550 | GW 66 516 | GW 66 816 |
| | | 3P+N+E | 9 | GW 66 167 N | GW 66 067 N | GW 66 317 N | GW 66 217 N | GW 66 339 N | GW 66 239 N | GW 66 551 | GW 66 517 | GW 66 817 |
| | 380 ÷ 415 V | 2P+E | 9 | GW 66 168 N | GW 66 068 N | GW 66 318 N | GW 66 218 N | GW 66 340 N | GW 66 240 N | GW 66 552 | GW 66 518 | GW 66 818 |
| | | 3P+E | 6 | GW 66 169 N | GW 66 069 N | GW 66 319 N | GW 66 219 N | GW 66 341 N | GW 66 241 N | GW 66 553 | GW 66 519 | GW 66 819 |
| | | 3P+N+E | 6 | GW 66 170 N | GW 66 070 N | GW 66 320 N | GW 66 220 N | GW 66 342 N | GW 66 242 N | GW 66 554 | GW 66 520 | GW 66 820 |
| | 480 ÷ 500 V | 3P+E | 7 | | | GW 66 321 N | GW 66 221 N | GW 66 343 N | GW 66 243 N | GW 66 555 | GW 66 521 | GW 66 821 |
| | | 3P+N+E | 7 | | | GW 66 322 N | GW 66 222 N | GW 66 344 N | GW 66 244 N | GW 66 556 | GW 66 522 | GW 66 822 |
| | 380/440 V | 3P+E | 3 | | | GW 66 357 N | GW 66 257 N | GW 66 358 N | GW 66 258 N | GW 66 557 | GW 66 523 | GW 66 823 |
| 63 A | 100 ÷ 130 V | 2P+E | 4 | | | GW 67 356 N | GW 67 256 N | GW 66 345 N | GW 67 245 N | | GW 66 524 | |
| | | 3P+E | 4 | | | GW 67 357 N | GW 67 257 N | GW 66 346 N | GW 67 246 N | | GW 66 525 | |
| | | 3P+N+E | 4 | | | GW 67 358 N | GW 67 258 N | GW 66 347 N | GW 67 247 N | | GW 66 526 | |
| | 200 ÷ 250 V | 2P+E | 6 | | | GW 67 359 N | GW 67 259 N | GW 66 348 N | GW 67 248 N | | GW 66 527 | |
| | | 3P+E | 9 | | | GW 67 360 N | GW 67 260 N | GW 66 349 N | GW 67 249 N | | GW 66 528 | |
| | | 3P+N+E | 9 | | | GW 67 361 N | GW 67 261 N | GW 66 350 N | GW 67 250 N | | GW 66 529 | |
| | 380 ÷ 415 V | 2P+E | 9 | | | GW 67 362 N | GW 67 262 N | GW 66 351 N | GW 67 251 N | | GW 66 530 | |
| | | 3P+E | 6 | | | GW 67 363 N | GW 67 263 N | GW 66 352 N | GW 67 252 N | | GW 66 531 | |
| | | 3P+N+E | 6 | | | GW 67 364 N | GW 67 264 N | GW 66 353 N | GW 67 253 N | | GW 66 532 | |
| | 480 ÷ 500 V | 3P+E | 7 | | | GW 67 365 N | GW 67 265 N | GW 66 354 N | GW 67 254 N | | GW 66 533 | |
| | | 3P+N+E | 7 | | | GW 67 366 N | GW 67 266 N | GW 66 355 N | GW 67 255 N | | GW 66 534 | |
| | | | | | | | | | |  | Vertical surface-mounting socket-outlets with electric interlock, with circuit breaker protection | |
| 125 A | 100 ÷ 130 V | 3P+E | 4 | | | | | | | | GW 66 581 | |
| | | 3P+N+E | 4 | | | | | | | | GW 66 582 | |
| | 200 ÷ 250 V | 3P+E | 9 | | | | | | | | GW 66 583 | |
| | | 3P+N+E | 9 | | | | | | | | GW 66 584 | |
| | 380 ÷ 415 V | 3P+E | 6 | | | | | | | | GW 66 585 | |
| | | 3P+N+E | 6 | | | | | | | | GW 66 586 | |
| | 480 ÷ 500 V | 3P+E | 7 | | | | | | | | GW 66 587 | |
| | | 3P+N+E | 7 | | | | | | | | GW 66 588 | |

NOTE: interlocked sockets 63A equipped with pilot contact, interlocked sockets 125A equipped with 1NO clean contact.

| VERTICAL SOCKET-OUTLETS FOR HEAVY DUTY USE - 66 IB | | | HORIZONTAL SOCKET-OUTLETS - 44 IB | | | | COMPACT SOCKET-OUTLETS - COMBIBLOC | | | |
|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |  |
| Vertical socket-outlets with fuse-holder base, with bottom IP 66 | Vertical socket-outlets for modular devices, without bottom IP 66 | Vertical socket-outlets for modular devices, with bottom IP 66 | Horizontal socket-outlets with rotary switch, without bottom IP 44 | Horizontal socket-outlets with rotary switch, with bottom IP 44 | Horizontal socket-outlets with fuse-holder base, without bottom IP 44 | Horizontal socket-outlets with fuse-holder base, with bottom IP 44 | Compact socket-outlets with rotary switch, without bottom IP 44 | Compact socket-outlets with rotary switch, with bottom IP 44 | Compact socket-outlets with rotary switch, without bottom IP 55 | Compact socket-outlets with rotary switch, with bottom IP 55 |
| GW 66 998 | | | | | | | | | | |
| GW 66 951 | GW 66 824 | GW 66 974 | GW 66 101 | GW 66 001 | GW 66 123 | GW 66 023 | GW 66 423 | GW 66 401 | GW 66 467 | GW 66 445 |
| GW 66 952 | GW 66 825 | GW 66 975 | GW 66 102 | GW 66 002 | GW 66 124 | GW 66 024 | GW 66 424 | GW 66 402 | GW 66 468 | GW 66 446 |
| GW 66 953 | GW 66 826 | GW 66 976 | GW 66 103 | GW 66 003 | GW 66 125 | GW 66 025 | GW 66 425 | GW 66 403 | GW 66 469 | GW 66 447 |
| GW 66 954 | GW 66 827 | GW 66 977 | GW 66 104 | GW 66 004 | GW 66 126 | GW 66 026 | GW 66 426 | GW 66 404 | GW 66 470 | GW 66 448 |
| GW 66 955 | GW 66 828 | GW 66 978 | GW 66 105 | GW 66 005 | GW 66 127 | GW 66 027 | GW 66 427 | GW 66 405 | GW 66 471 | GW 66 449 |
| GW 66 956 | GW 66 829 | GW 66 979 | GW 66 106 | GW 66 006 | GW 66 128 | GW 66 028 | GW 66 428 | GW 66 406 | GW 66 472 | GW 66 450 |
| GW 66 957 | GW 66 830 | GW 66 980 | GW 66 107 | GW 66 007 | GW 66 129 | GW 66 029 | GW 66 429 | GW 66 407 | GW 66 473 | GW 66 451 |
| GW 66 958 | GW 66 831 | GW 66 981 | GW 66 108 | GW 66 008 | GW 66 130 | GW 66 030 | GW 66 430 | GW 66 408 | GW 66 474 | GW 66 452 |
| GW 66 959 | GW 66 832 | GW 66 982 | GW 66 109 | GW 66 009 | GW 66 131 | GW 66 031 | GW 66 431 | GW 66 409 | GW 66 475 | GW 66 453 |
| GW 66 960 | GW 66 833 | GW 66 983 | GW 66 110 | GW 66 010 | GW 66 132 | GW 66 032 | | | | |
| GW 66 961 | GW 66 834 | GW 66 984 | GW 66 111 | GW 66 011 | GW 66 133 | GW 66 033 | | | | |
| GW 66 962 | GW 66 835 | GW 66 985 | GW 66 112 | GW 66 012 | GW 66 134 | GW 66 034 | GW 66 434 | GW 66 412 | GW 66 478 | GW 66 456 |
| GW 66 963 | GW 66 836 | GW 66 986 | GW 66 113 | GW 66 013 | GW 66 135 | GW 66 035 | GW 66 435 | GW 66 413 | GW 66 479 | GW 66 457 |
| GW 66 964 | GW 66 837 | GW 66 987 | GW 66 114 | GW 66 014 | GW 66 136 | GW 66 036 | GW 66 436 | GW 66 414 | GW 66 480 | GW 66 458 |
| GW 66 965 | GW 66 838 | GW 66 988 | GW 66 115 | GW 66 015 | GW 66 137 | GW 66 037 | GW 66 437 | GW 66 415 | GW 66 481 | GW 66 459 |
| GW 66 966 | GW 66 839 | GW 66 989 | GW 66 116 | GW 66 016 | GW 66 138 | GW 66 038 | GW 66 438 | GW 66 416 | GW 66 482 | GW 66 460 |
| GW 66 967 | GW 66 840 | GW 66 990 | GW 66 117 | GW 66 017 | GW 66 139 | GW 66 039 | GW 66 439 | GW 66 417 | GW 66 483 | GW 66 461 |
| GW 66 968 | GW 66 841 | GW 66 991 | GW 66 118 | GW 66 018 | GW 66 140 | GW 66 040 | GW 66 440 | GW 66 418 | GW 66 484 | GW 66 462 |
| GW 66 969 | GW 66 842 | GW 66 992 | GW 66 119 | GW 66 019 | GW 66 141 | GW 66 041 | GW 66 441 | GW 66 419 | GW 66 485 | GW 66 463 |
| GW 66 970 | GW 66 843 | GW 66 993 | GW 66 120 | GW 66 020 | GW 66 142 | GW 66 042 | GW 66 442 | GW 66 420 | GW 66 486 | GW 66 464 |
| GW 66 971 | GW 66 844 | GW 66 994 | GW 66 121 | GW 66 021 | GW 66 143 | GW 66 043 | | | | |
| GW 66 972 | GW 66 845 | GW 66 995 | GW 66 122 | GW 66 022 | GW 66 144 | GW 66 044 | | | | |
| GW 66 973 | GW 66 846 | GW 66 996 | | | | | | | | |
| GW 66 847 | | GW 66 866 | | | | | | | | |
| GW 66 848 | | GW 66 867 | | | | | | | | |
| GW 66 849 | | GW 66 868 | | | | | | | | |
| GW 66 850 | | GW 66 869 | | | | | | | | |
| GW 66 851 | | GW 66 870 | | | | | | | | |
| GW 66 852 | | GW 66 871 | | | | | | | | |
| GW 66 853 | | GW 66 872 | | | | | | | | |
| GW 66 854 | | GW 66 873 | | | | | | | | |
| GW 66 855 | | GW 66 874 | | | | | | | | |
| GW 66 856 | | GW 66 875 | | | | | | | | |
| GW 66 857 | | GW 66 876 | | | | | | | | |
|  Vertical surface-mounting socket-outlets with electric interlock with residual current circuit breaker protection | | | | | | | | | | |
| GW 66 591 | | | | | | | | | | |
| GW 66 592 | | | | | | | | | | |
| GW 66 593 | | | | | | | | | | |
| GW 66 594 | | | | | | | | | | |
| GW 66 595 | | | | | | | | | | |
| GW 66 596 | | | | | | | | | | |
| GW 66 597 | | | | | | | | | | |
| GW 66 598 | | | | | | | | | | |

| COMPLEMENTARY ITEMS | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|--------------------------|
| | | | MODULAR BASES | | | DISTRIBUTION BOARDS | | | | |
| | | |  |  |  |  |  |  |  | |
| | | | 1 Socket-outlet | 2 Socket-outlets | 3 Socket-outlets | 1 Socket-outlet | 2 Socket-outlets | 3 Socket-outlets | 4 Socket-outlets | |
| 67 IB VERTICAL RANGE |  | IP67 vertical socket-outlets with rotary switch, with fuse-holder base and AUTOMATIKA 16/32A and 24V (SELV) | GW 66 690 | GW 66 691 | GW 66 694 | | GW 68 025 N (10 modules) | GW 68 010 N (14 modules) | GW 68 022 N (20 modules) 1 socket-outlet 63A | GW 68 015 N (20 modules) |
| |  | IP67 vertical socket-outlets with rotary switch (SBF) or with fuse-holder base 63A (CBF) | GW 66 693 | | | | | | 2 socket-outlets 16/32A | |
| 66 IB RANGE FOR HEAVY-DUTY USE |  | IP66 vertical socket-outlets for heavy duty use 16/32A | GW 66 696 | GW 66 697 | GW 66 698 | | | | | |
| |  | IP66 vertical socket-outlets for heavy duty 63A | GW 66 700 | | | | | | | |
| COMBIBLOC RANGE |  | IP44/55 compact protected watertight socket-outlets - 16/32A | | | | GW 66 491 | GW 66 492 | GW 66 493 | | |
| 44 IB HORIZONTAL RANGE |  | IP44 horizontal socket-outlets, without fuse-holder base (SBF) 16/32A | | | | | GW 68 006 N (14 modules) GW 68 019 N (10 modules) | | | GW 68 009 N (14 modules) |
| |  | IP44 horizontal socket-outlets with fuse-holder base (CBF) 16/32A | | | | | | | | GW 68 014 N (20 modules) |

COMPLEMENTARY ITEMS

| MODULAR BASES WITH WINDOW PANEL | | | LID/BOXES | | | |
|---|---|---|---|--|---|---|
|  |  |  |  |  |  | |
| 1 Socket-outlet | 2 Socket-outlets | 3 Socket-outlets | Flanged lid | Flush-mounting boxes (brick and plasterboard walls) | Surface-mounting bottom | |
| | | | GW 66 709 N | GW 66 683 N* (for brick wall) GW 66 683 PM* (for plasterboard wall) | GW 66 678 N |  |
| | | | | | GW 66 686 (for SBF) GW 66 680 N (for CBF) |  |
| GW 66 781 (6 modules) | GW 66 782 (12 modules) | GW 66 783 (18 modules) | GW 66 707 | | GW 66 685 |  |
| GW 66 784 (6 modules) | | | | | | |
| | | | | GW 66 498 | GW 66 496 |  |
| | | | | GW 66 681 (for brick wall) GW 66 681 PM (for plasterboard wall) | GW 66 676 |  |
| | | | | GW 66 682 (for brick wall) GW 66 682 PM (for plasterboard wall) | GW 66 677 | |

* Cannot be used for SELV 24V

IB

Interlocked socket-outlet IEC 309 standard

System of industrial socket-outlets for power distribution in the industrial and commercial sector, equipped with locking device, enabling the most varied professional requirements of installers and panel builder to be met.

The IB range is composed of 4 product lines: IP67 standard vertical socket-outlets, IP66 vertical socket-outlets for heavy duty applications, IP44 horizontal socket-outlets, and IP44 and IP55 compact socket-outlets.



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67 IB - VERTICAL INTERLOCKED SOCKET-OUTLETS - IP67

AUTOMATIKA - WITH CIRCUIT BREAKER PROTECTION (MCB), WITHOUT BOTTOM - IP67



GW 66 170 N

AUTOMATIKA VERTICAL INTERLOCKED SOCKET-OUTLETS WITH MINIATURE CIRCUIT BREAKER MT 6KA C CHARACTERISTIC - 50/60HZ - IP67

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 151 N | 2P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 152 N | 3P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 153 N | 3P+N+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 154 N | 2P+E | 200 - 250 V | Blue | 6 | 1/12 |
| GW 66 155 N | 3P+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 156 N | 3P+N+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 157 N | 2P+E | 380 - 415 V | Red | 9 | 1/12 |
| GW 66 158 N | 3P+E | 380 - 415 V | Red | 6 | 1/12 |
| GW 66 159 N | 3P+N+E | 380 - 415 V | Red | 6 | 1/12 |
| Rated current (A): 32 | | | | | |
| GW 66 162 N | 2P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 163 N | 3P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 164 N | 3P+N+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 165 N | 2P+E | 200 - 250 V | Blue | 6 | 1/12 |
| GW 66 166 N | 3P+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 167 N | 3P+N+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 168 N | 2P+E | 380 - 415 V | Red | 9 | 1/12 |
| GW 66 169 N | 3P+E | 380 - 415 V | Red | 6 | 1/12 |
| GW 66 170 N | 3P+N+E | 380 - 415 V | Red | 6 | 1/12 |

CHARACTERISTICS: the socket-outlets use the miniature circuit breaker for control and protection.

ACCESSORIES SUPPLIED: the interlocked sockets are supplied with LED on the front that indicate the operating status of the switch and the presence of voltage.

AUTOMATIKA - WITH CIRCUIT BREAKER PROTECTION (MCB), WITH BOTTOM - IP67



GW 66 070 N

AUTOMATIKA VERTICAL INTERLOCKED SOCKET-OUTLETS WITH MINIATURE CIRCUIT BREAKER MT 6KA C CHARACTERISTIC - 50/60HZ - IP67

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 051 N | 2P+E | 100 - 130 V | ■ | 4 | 1/12 |
| GW 66 052 N | 3P+E | 100 - 130 V | ■ | 4 | 1/12 |
| GW 66 053 N | 3P+N+E | 100 - 130 V | ■ | 4 | 1/12 |
| GW 66 054 N | 2P+E | 200 - 250 V | ■ | 6 | 1/12 |
| GW 66 055 N | 3P+E | 200 - 250 V | ■ | 9 | 1/12 |
| GW 66 056 N | 3P+N+E | 200 - 250 V | ■ | 9 | 1/12 |
| GW 66 057 N | 2P+E | 380 - 415 V | ■ | 9 | 1/12 |
| GW 66 058 N | 3P+E | 380 - 415 V | ■ | 6 | 1/12 |
| GW 66 059 N | 3P+N+E | 380 - 415 V | ■ | 6 | 1/12 |
| Rated current (A): 32 | | | | | |
| GW 66 062 N | 2P+E | 100 - 130 V | ■ | 4 | 1/12 |
| GW 66 063 N | 3P+E | 100 - 130 V | ■ | 4 | 1/12 |
| GW 66 064 N | 3P+N+E | 100 - 130 V | ■ | 4 | 1/12 |
| GW 66 065 N | 2P+E | 200 - 250 V | ■ | 6 | 1/12 |
| GW 66 066 N | 3P+E | 200 - 250 V | ■ | 9 | 1/12 |
| GW 66 067 N | 3P+N+E | 200 - 250 V | ■ | 9 | 1/12 |
| GW 66 068 N | 2P+E | 380 - 415 V | ■ | 9 | 1/12 |
| GW 66 069 N | 3P+E | 380 - 415 V | ■ | 6 | 1/12 |
| GW 66 070 N | 3P+N+E | 380 - 415 V | ■ | 6 | 1/12 |

CHARACTERISTICS: the socket-outlets use the miniature circuit breaker for command and protection.

ACCESSORIES SUPPLIED: 4 screwcaps in insulating material, diam. 14/16mm. The interlocked sockets are supplied with LED on the front that indicate the operating status of the switch and the presence of voltage.

WITH ROTARY SWITCH, WITHOUT FUSE-HOLDER BASE (SBF), WITHOUT BOTTOM - IP67



GW 66 357 N

INTERLOCKED VERTICAL SOCKET-OUTLETS WITH ROTARY SWITCH WITHOUT FUSE-HOLDER BASE WITHOUT BOTTOM - 50/60HZ - IP67

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 301 N | 2P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 302 N | 3P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 303 N | 3P+N+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 304 N | 2P+E | 200 - 250 V | Blue | 6 | 1/12 |
| GW 66 305 N | 3P+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 306 N | 3P+N+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 307 N | 2P+E | 380 - 415 V | Red | 9 | 1/12 |
| GW 66 308 N | 3P+E | 380 - 415 V | Red | 6 | 1/12 |
| GW 66 309 N | 3P+N+E | 380 - 415 V | Red | 6 | 1/12 |
| GW 66 310 N | 3P+E | 480 - 500 V | Black | 7 | 1/12 |
| GW 66 311 N | 3P+N+E | 480 - 500 V | Black | 7 | 1/12 |
| Rated current (A): 32 | | | | | |
| GW 66 312 N | 2P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 313 N | 3P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 314 N | 3P+N+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 315 N | 2P+E | 200 - 250 V | Blue | 6 | 1/12 |
| GW 66 316 N | 3P+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 317 N | 3P+N+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 318 N | 2P+E | 380 - 415 V | Red | 9 | 1/12 |
| GW 66 319 N | 3P+E | 380 - 415 V | Red | 6 | 1/12 |
| GW 66 320 N | 3P+N+E | 380 - 415 V | Red | 6 | 1/12 |
| GW 66 321 N | 3P+E | 480 - 500 V | Black | 7 | 1/12 |
| GW 66 322 N | 3P+N+E | 480 - 500 V | Black | 7 | 1/12 |
| GW 66 357 N | 3P+E | 380 - 440 V | Red | 3 | 1/12 |



GW 67 364 N

INTERLOCKED SWITCHED VERTICAL SOCKET-OUTLETS WITHOUT BOTTOM - WITH ROTARY SWITCH WITHOUT FUSE-HOLDER BASE - 63A - 50/60HZ - IP67

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 63 | | | | | |
| GW 67 356 N | 2P+E | 100 - 130 V | Yellow | 4 | 1/4 |
| GW 67 357 N | 3P+E | 100 - 130 V | Yellow | 4 | 1/4 |
| GW 67 358 N | 3P+N+E | 100 - 130 V | Yellow | 4 | 1/4 |
| GW 67 359 N | 2P+E | 200 - 250 V | Blue | 6 | 1/4 |
| GW 67 360 N | 3P+E | 200 - 250 V | Blue | 9 | 1/4 |
| GW 67 361 N | 3P+N+E | 200 - 250 V | Blue | 9 | 1/4 |
| GW 67 362 N | 2P+E | 380 - 415 V | Red | 9 | 1/4 |
| GW 67 363 N | 3P+E | 380 - 415 V | Red | 6 | 1/4 |
| GW 67 364 N | 3P+N+E | 380 - 415 V | Red | 6 | 1/4 |
| GW 67 365 N | 3P+E | 480 - 500 V | Black | 7 | 1/4 |
| GW 67 366 N | 3P+N+E | 480 - 500 V | Black | 7 | 1/4 |

CHARACTERISTICS: 63A versions equipped with a pilot contact;



GW 66 359 N

VERTICAL SOCKET-OUTLETS WITHOUT BOTTOM WITH SAFETY TRANSFORMER (SELV) 230/24V 50/60HZ - IP67

| Code | No. of poles | Output voltage | Colour | Rated power | Pack Carton |
|------------------------------|--------------|----------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 359 N | 2P | 20-25 V | Pink | 160 VA | 1/4 |

WITH ROTARY SWITCH, WITHOUT FUSE-HOLDER BASE (SBF), WITH BOTTOM - IP67



GW 66 257 N

INTERLOCKED VERTICAL SOCKET-OUTLETS WITH BOTTOM WITH ROTARY SWITCH WITHOUT FUSE-HOLDER BASE - 50/60HZ - IP67

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 201 N | 2P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 202 N | 3P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 203 N | 3P+N+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 204 N | 2P+E | 200 - 250 V | Blue | 6 | 1/12 |
| GW 66 205 N | 3P+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 206 N | 3P+N+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 207 N | 2P+E | 380 - 415 V | Red | 9 | 1/12 |
| GW 66 208 N | 3P+E | 380 - 415 V | Red | 6 | 1/12 |
| GW 66 209 N | 3P+N+E | 380 - 415 V | Red | 6 | 1/12 |
| GW 66 210 N | 3P+E | 480 - 500 V | Black | 7 | 1/12 |
| GW 66 211 N | 3P+N+E | 480 - 500 V | Black | 7 | 1/12 |
| Rated current (A): 32 | | | | | |
| GW 66 212 N | 2P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 213 N | 3P+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 214 N | 3P+N+E | 100 - 130 V | Yellow | 4 | 1/12 |
| GW 66 215 N | 2P+E | 200 - 250 V | Blue | 6 | 1/12 |
| GW 66 216 N | 3P+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 217 N | 3P+N+E | 200 - 250 V | Blue | 9 | 1/12 |
| GW 66 218 N | 2P+E | 380 - 415 V | Red | 9 | 1/12 |
| GW 66 219 N | 3P+E | 380 - 415 V | Red | 6 | 1/12 |
| GW 66 220 N | 3P+N+E | 380 - 415 V | Red | 6 | 1/12 |
| GW 66 221 N | 3P+E | 480 - 500 V | Black | 7 | 1/12 |
| GW 66 222 N | 3P+N+E | 480 - 500 V | Black | 7 | 1/12 |
| GW 66 257 N | 3P+E | 380 - 440 V | Red | 3 | 1/12 |

ACCESSORIES SUPPLIED: 4 screwcaps in insulating material, diam. 14/16mm.



GW 67 264 N

INTERLOCKED SWITCHED VERTICAL SOCKET-OUTLETS WITH BOTTOM AND ROTARY SWITCH WITHOUT FUSE-HOLDER BASE - 63A - 50/60HZ - IP67

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 63 | | | | | |
| GW 67 256 N | 2P+E | 100 - 130 V | Yellow | 4 | 1/4 |
| GW 67 257 N | 3P+E | 100 - 130 V | Yellow | 4 | 1/4 |
| GW 67 258 N | 3P+N+E | 100 - 130 V | Yellow | 4 | 1/4 |
| GW 67 259 N | 2P+E | 200 - 250 V | Blue | 6 | 1/4 |
| GW 67 260 N | 3P+E | 200 - 250 V | Blue | 9 | 1/4 |
| GW 67 261 N | 3P+N+E | 200 - 250 V | Blue | 9 | 1/4 |
| GW 67 262 N | 2P+E | 380 - 415 V | Red | 9 | 1/4 |
| GW 67 263 N | 3P+E | 380 - 415 V | Red | 6 | 1/4 |
| GW 67 264 N | 3P+N+E | 380 - 415 V | Red | 6 | 1/4 |
| GW 67 265 N | 3P+E | 480 - 500 V | Black | 7 | 1/4 |
| GW 67 266 N | 3P+N+E | 480 - 500 V | Black | 7 | 1/4 |

ACCESSORIES SUPPLIED: 4 screwcaps in insulating material, diam. 25mm.

CHARACTERISTICS: 63A versions equipped with a pilot contact.



GW 66 259 N

VERTICAL SOCKET-OUTLETS WITH BOTTOM WITH SAFETY TRANSFORMER (SELV) 230/24V 50/60HZ - IP67

| Code | No. of poles | Output voltage | Colour | Rated power | Pack Carton |
|------------------------------|--------------|----------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 259 N | 2P | 20-25 V | Pink | 160 VA | 1/4 |

CHARACTERISTICS: the socket-outlet is equipped with a thermal protection device. If the device trips, extract the plug from the socket-outlet and check the applied load.

ACCESSORIES SUPPLIED: 4 screwcaps in insulating material, diam. 14/16mm.

WITH ROTARY SWITCH AND FUSE-HOLDER BASE (CBF) WITHOUT BOTTOM - IP67



GW 66 358 N

INTERLOCKED VERTICAL SOCKET-OUTLETS WITHOUT BOTTOM WITH ROTARY SWITCH
AND FUSE-HOLDER BASE - 50/60HZ - IP67

| Code | No. of poles | Rated voltage | Colour | Type of fuse | Reference h | Pack Carton |
|------------------------------|-----------------|------------------|--------|-----------------|----------------|----------------|
| Rated current (A): 16 | | | | | | |
| GW 66 323 N | 2P+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 324 N | 3P+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 325 N | 3P+N+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 326 N | 2P+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 327 N | 3P+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 328 N | 3P+N+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 329 N | 2P+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 330 N | 3P+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 331 N | 3P+N+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 332 N | 3P+E | 480 - 500 V | ■ | Ø 10.3x38 mm | 7 | 1/12 |
| GW 66 333 N | 3P+N+E | 480 - 500 V | ■ | Ø 10.3x38 mm | 7 | 1/12 |
| Rated current (A): 32 | | | | | | |
| GW 66 334 N | 2P+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 335 N | 3P+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 336 N | 3P+N+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 337 N | 2P+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 338 N | 3P+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 339 N | 3P+N+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 340 N | 2P+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 341 N | 3P+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 342 N | 3P+N+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 343 N | 3P+E | 480 - 500 V | ■ | Ø 10.3x38 mm | 7 | 1/12 |
| GW 66 344 N | 3P+N+E | 480 - 500 V | ■ | Ø 10.3x38 mm | 7 | 1/12 |
| GW 66 358 N | 3P+E | 380 - 440 V | ■ | Ø 10.3x38 mm | 3 | 1/12 |

NOTES:

fuses to be purchased separately. Measures for protection of person against electric shock by enclosures.



GW 66 353 N

INTERLOCKED SWITCHED VERTICAL SOCKET-OUTLETS WITHOUT BOTTOM - WITH ROTARY SWITCH
AND FUSE-HOLDER BASE - 63A - 50/60HZ - IP67

| Code | No. of poles | Rated voltage | Colour | Type of fuse | Reference h | Pack Carton |
|------------------------------|-----------------|------------------|--------|-----------------|----------------|----------------|
| Rated current (A): 63 | | | | | | |
| GW 66 345 N | 2P+E | 100 - 130 V | ■ | Ø 22x58 mm | 4 | 1/4 |
| GW 66 346 N | 3P+E | 100 - 130 V | ■ | Ø 22x58 mm | 4 | 1/4 |
| GW 66 347 N | 3P+N+E | 100 - 130 V | ■ | Ø 22x58 mm | 4 | 1/4 |
| GW 66 348 N | 2P+E | 200 - 250 V | ■ | Ø 22x58 mm | 6 | 1/4 |
| GW 66 349 N | 3P+E | 200 - 250 V | ■ | Ø 22x58 mm | 9 | 1/4 |
| GW 66 350 N | 3P+N+E | 200 - 250 V | ■ | Ø 22x58 mm | 9 | 1/4 |
| GW 66 351 N | 2P+E | 380 - 415 V | ■ | Ø 22x58 mm | 9 | 1/4 |
| GW 66 352 N | 3P+E | 380 - 415 V | ■ | Ø 22x58 mm | 6 | 1/4 |
| GW 66 353 N | 3P+N+E | 380 - 415 V | ■ | Ø 22x58 mm | 6 | 1/4 |
| GW 66 354 N | 3P+E | 480 - 500 V | ■ | Ø 22x58 mm | 7 | 1/4 |
| GW 66 355 N | 3P+N+E | 480 - 500 V | ■ | Ø 22x58 mm | 7 | 1/4 |

NOTES: fuses to be purchased separately. Measures for protection of person against electric shock by enclosures.

CHARACTERISTICS: 63A versions equipped with a pilot contact.

WITH ROTARY SWITCH AND FUSE-HOLDER BASE (CBF) WITH BOTTOM - IP67



GW 66 258 N

INTERLOCKED VERTICAL SOCKET-OUTLETS WITH BOTTOM WITH ROTARY SWITCH AND FUSE-HOLDER BASE - 50/60HZ - IP67

| Code | No. of poles | Rated voltage | Colour | Type of fuse | Reference h | Pack Carton |
|------------------------------|-----------------|------------------|--------|-----------------|----------------|----------------|
| Rated current (A): 16 | | | | | | |
| GW 66 223 N | 2P+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 224 N | 3P+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 225 N | 3P+N+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 226 N | 2P+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 227 N | 3P+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 228 N | 3P+N+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 229 N | 2P+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 230 N | 3P+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 231 N | 3P+N+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 232 N | 3P+E | 480 - 500 V | ■ | Ø 10.3x38 mm | 7 | 1/12 |
| GW 66 233 N | 3P+N+E | 480 - 500 V | ■ | Ø 10.3x38 mm | 7 | 1/12 |
| Rated current (A): 32 | | | | | | |
| GW 66 234 N | 2P+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 235 N | 3P+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 236 N | 3P+N+E | 100 - 130 V | ■ | Ø 10.3x38 mm | 4 | 1/12 |
| GW 66 237 N | 2P+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 238 N | 3P+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 239 N | 3P+N+E | 200 - 250 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 240 N | 2P+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 9 | 1/12 |
| GW 66 241 N | 3P+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 242 N | 3P+N+E | 380 - 415 V | ■ | Ø 10.3x38 mm | 6 | 1/12 |
| GW 66 243 N | 3P+E | 480 - 500 V | ■ | Ø 10.3x38 mm | 7 | 1/12 |
| GW 66 244 N | 3P+N+E | 480 - 500 V | ■ | Ø 10.3x38 mm | 7 | 1/12 |
| GW 66 258 N | 3P+E | 380 - 440 V | ■ | Ø 10.3x38 mm | 3 | 1/12 |

ACCESSORIES SUPPLIED: 4 screwcaps in insulating material, diam. 14/16mm.

NOTES: Fuses to be purchased separately. Measures for protection of person against electric shock by enclosures.



GW 67 253 N

INTERLOCKED SWITCHED VERTICAL SOCKET-OUTLETS WITH BOTTOM - WITH ROTARY SWITCH AND FUSE-HOLDER BASE - 63A - 50/60HZ - IP67

| Code | No. of poles | Rated voltage | Colour | Type of fuse | Reference h | Pack Carton |
|------------------------------|-----------------|------------------|--------|-----------------|----------------|----------------|
| Rated current (A): 63 | | | | | | |
| GW 67 245 N | 2P+E | 100 - 130 V | ■ | Ø 22x58 mm | 4 | 1/4 |
| GW 67 246 N | 3P+E | 100 - 130 V | ■ | Ø 22x58 mm | 4 | 1/4 |
| GW 67 247 N | 3P+N+E | 100 - 130 V | ■ | Ø 22x58 mm | 4 | 1/4 |
| GW 67 248 N | 2P+E | 200 - 250 V | ■ | Ø 22x58 mm | 6 | 1/4 |
| GW 67 249 N | 3P+E | 200 - 250 V | ■ | Ø 22x58 mm | 9 | 1/4 |
| GW 67 250 N | 3P+N+E | 200 - 250 V | ■ | Ø 22x58 mm | 9 | 1/4 |
| GW 67 251 N | 2P+E | 380 - 415 V | ■ | Ø 22x58 mm | 9 | 1/4 |
| GW 67 252 N | 3P+E | 380 - 415 V | ■ | Ø 22x58 mm | 6 | 1/4 |
| GW 67 253 N | 3P+N+E | 380 - 415 V | ■ | Ø 22x58 mm | 6 | 1/4 |
| GW 67 254 N | 3P+E | 480 - 500 V | ■ | Ø 22x58 mm | 7 | 1/4 |
| GW 67 255 N | 3P+N+E | 480 - 500 V | ■ | Ø 22x58 mm | 7 | 1/4 |

ACCESSORIES SUPPLIED: 4 screwcaps in insulating material, diam. 25mm.

NOTES: fuses to be purchased separately. Measures for protection of person against electric shock by enclosures.

CHARACTERISTICS: 63A versions equipped with a pilot contact.

COMPONENTS FOR VERTICAL SOCKET-OUTLETS IP67



GW 66 678 N

SURFACE-MOUNTING BOXES FOR VERTICAL SOCKET-OUTLETS - 16/32A - IP67

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Top entries | Bottom entries | Pack Carton |
|-------------|----------------------------|-----------------------------|-------------|----------------|-------------|
| GW 66 678 N | 1 | 16/32 A | 2xØ 23 | 1xØ 29/37 | 1/12 |

NOTES: GW66678N for socket-outlets with rotary (SBF), with fuse-holder base (CBF) and Automatika 16-32A. Kit of screwcaps GW44622 and wall fixing brackets GW46621 (for double insulation) to be purchased separately.



GW 66 686

SURFACE-MOUNTING BOXES FOR VERTICAL SOCKET-OUTLETS - 63A - SBF - IP67

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Top entries | Bottom entries | Pack Carton |
|-----------|----------------------------|-----------------------------|-------------|----------------|-------------|
| GW 66 686 | 1 | 63 A | 2xØ 29/37 | 1xØ 37/47 | 1/10 |

NOTES: Kit of screwcaps GW44623 and wall fixing brackets GW46621 (for double insulation) to be purchased separately.



GW 66 680 N

SURFACE-MOUNTING BOX FOR VERTICAL SOCKET-OUTLETS - 63A - CBF - IP67

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Top entries | Bottom entries | Pack Carton |
|-------------|----------------------------|-----------------------------|-------------|----------------|-------------|
| GW 66 680 N | 1 | 63A | 2xØ 29/37 | 1xØ 37/47 | 1/10 |

NOTES: Kit of screwcaps GW44623 and wall fixing brackets GW46621 (for double insulation) to be purchased separately.



GW 44 622

INSULATING SCREW CAPS

| Code | Description | Characteristics | Pack Carton |
|-----------|----------------|-----------------|-------------|
| GW 44 622 | Screwcap Ø16mm | Halogen free | 10/100 |
| GW 44 623 | Screwcap Ø25mm | Halogen free | 10/100 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.



GW 44 621

WALL FIXING BRACKET, COMPLETE WITH SELF-TAPPING SCREWS



| Code | Characteristics | Pack Carton |
|-----------|-----------------|-------------|
| GW 44 621 | Halogen free | 40/480 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.

ACCESSORIES SUPPLIED: 2 fixing screws.



GW 66 741 N

SURFACE-MOUNTING BOX WITH FLANGED LID PREARRANGED FOR 2 CAPS - IP67

| Code | Houseable IB socket-outlets | Top entries | Bottom entries | Pack Carton |
|-------------|---|-------------|----------------|-------------|
| GW 66 741 N | N. 1 IEC 309 16-32A IP44/67 + N.1 16A MAX 3P+E or GW274 | 2xØ 23 | 1xØ 29/37 | 1/10 |

APPLICATIONS: The flange of 85x75 mm dimension is suited for mounting IEC 309 16 A socket-outlets and COMBI-IN GW27401 and GW27403 watertight covers; The flange of 95x80 mm dimension is suited for IEC 309 16 -32 A socket-outlets.

ACCESSORIES SUPPLIED: 1 blank flange - blue - 16 A, 1 blank flange - blue 16 -32 A, 3 gaskets and fixing screws.



GW 66 690

MODULAR BASES FOR MOUNTING COMBINATIONS OF FIXED VERTICAL SOCKET-OUTLETS - IP65

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Side entries | Top entries | Bottom entries | Pack Carton |
|-----------|----------------------------|-----------------------------|--------------|-------------|----------------|-------------|
| GW 66 690 | 1 | 16/32 A | 2xØ 23 | 2xØ 23 | | 1/6 |
| GW 66 691 | 2 | 16/32 A | 4xØ 23 | 4xØ 23 | 1xØ 29 | 1/6 |
| GW 66 694 | 3 | 16/32 A | 2xØ 23 | 5xØ 23 | | 1/6 |
| GW 66 693 | 1 | 63 A | 6xØ 23 | 2xØ 37/48 | | 1/6 |

NOTES: the bases for 16-32A can house interlocked switched socket-outlets with rotary (SBF), fuse-holder base (CBF) or Automatika.

ACCESSORIES SUPPLIED: 1 coupling device for combined assembly and 4 screwcaps for restoring double insulation.

GW66694: 1 blank lid for closing the socket-outlet compartment.

GW66693: already supplied with adapter for new 67IB 63A socket-outlets SBF/CBF.



GW 66 683 N

BOX WITH FRAME FOR THE FLUSH-MOUNTING ASSEMBLY OF FIXED VERTICAL SOCKET-OUTLETS - IP55

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Characteristics | Pack Carton |
|-------------|----------------------------|--------------------------------|-----------------|-------------|
| GW 66 683 N | 1 | 16/32 A SBF / CBF / Automatika | For brick wall | 1/10 |

NOTES: the box cannot house the version with a 24 V transformer.



GW 66 683 PM

BOX WITH FRAME FOR LIGHTWEIGHT AND PLASTERBOARD WALLS, FOR THE FLUSH-MOUNTING ASSEMBLY OF VERTICAL SOCKET-OUTLETS - IP55

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Characteristics | Pack Carton |
|--------------|----------------------------|--------------------------------|------------------|-------------|
| GW 66 683 PM | 1 | 16/32 A SBF / CBF / Automatika | For plasterboard | 1/10 |

NOTES: the box cannot house the version with a 24V transformer.
Halogen-free casing, in accordance with EN 60754-2.
Casing type H in accordance with EN 60670-1, and type Ha in accordance with IEC 60670-1.
GWT 850°C according to EN 60695-2-11.
CHARACTERISTICS: locators for tracing the wall along the edges of the box; box equipped with tabs for direct fixing on panels or a metal structure, for lightweight and plasterboard walls.
ACCESSORIES SUPPLIED: self-tapping screw kit ø 4x45mm.



GW 66 743 N

BOXES WITH FRAME FOR FLUSH-MOUNTING WITH FLANGED COVER FITTED FOR 2 LIDS - IP55

| Code | Houseable IB socket-outlets | Pack Carton |
|-------------|---|-------------|
| GW 66 743 N | N. 1 IEC 309 16-32A IP44/67 + N.1 16A MAX 3P+E or GW274 | 1/10 |

APPLICATIONS: the flange of 85x75 mm dimension is suited for mounting IEC 309 16 A socket-outlets and COMBI-IN GW27401 and GW27403 flange; the flange of 95x80 mm dimension is suited for IEC 309 16 -32 A socket-outlets.
ACCESSORIES SUPPLIED: 1 blank flange - blue - 16 A; 1 blank flange - blue 16 -32 A; 3 gaskets and fixing screws.



GW 66 703 N

BLANK LID FOR CLOSING INTERLOCKED SOCKET-OUTLET COMPARTMENT 16- 32A - IP65

| Code | Description | Pack Carton |
|-------------|---|-------------|
| GW 66 703 N | Lid for vertical interlocked socket-outlet 16-32A | 1/10 |
| GW 66 705 N | Lid for vertical interlocked socket-outlet 63A | 1/10 |

APPLICATIONS: also compatible with flush-mounting boxes for brick walls (code GW66683N) and lightweight and plasterboard walls (code GW66683PM).



GW 66 709 N

FLANGED LID PREARRANGED FOR 2 CAPS - IP67

| Code | Houseable IB socket-outlets | Pack Carton |
|-------------|---|-------------|
| GW 66 709 N | N. 1 IEC 309 16-32A IP44/67 + N.1 16A MAX 3P+E or GW274 | 1/10 |

APPLICATIONS: the flange of 85x75 mm dimension is suited for mounting IEC 309 16 A socket-outlets and COMBI-IN GW27401 and GW27403 flange; the flange of 95x80 mm dimension is suited for IEC 309 16 -32 A socket-outlets.
ACCESSORIES SUPPLIED: 1 blank flange - blue - 16 A; 1 blank flange - blue 16 -32 A; 3 gaskets and fixing screws.



GW 66 715 N

ADAPTER FLANGE IP65

| Code | Suitable for | Pack Carton |
|--------------------|-------------------------------------|-------------|
| GW 66 715 N | IP67 16/32A vertical socket-outlets | 1/10 |
| GW 66 716 N | IP67 63A Vertical socket-outlets | 1/10 |

APPLICATIONS: GW66715N to assemble all the vertical socket-outlets 16-32A IP67 of the 67 IB range on the Q-DIN boards, or on the modular bases of the previous versions for socket-outlets 16-32A CBF IP55.

GW66716N to assemble the vertical socket-outlets 63A IP67 of the 67 IB range on the modular bases of the previous versions for socket-outlets 63A CBF IP55.



GW 68 441

DISTRIBUTION PILLAR FOR FLOOR-MOUNTING AND WORK SURFACES - IP55

| Code | Outer dim. LxHxD (mm) | Houseable IB socket-outlets | Installable Q-DIN boards | Characteristics | Pack Carton |
|------------------|-----------------------|-----------------------------|--------------------------|-----------------|-------------|
| GW 68 441 | 200x295x180 | 16/32 A | Q-DIN 5 | Halogen free | 1/6 |

CHARACTERISTICS: double-sided panels double-sided panels with smooth or honeycomb surface for fixing interlocked switched socket-outlets 16/32A of the IB range: Combibloc, horizontal IP44 with bottom and vertical IP67 with bottom.

DISTRIBUTION BOARDS FOR VERTICAL SOCKET-OUTLETS - IP65



GW 68 025N



GW 68 010N



GW 68 015N



GW 68 022N



GW 68 025 N

Q-DIN 10/14/20 WATERTIGHT BOARDS - UNWIRED - RAL 7035 - IP65

| Code | No. IB socket-outlets houseable | No. of provided blank lids | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|------------------------------------|--|----------------------------|-------------------------|-------------------------|-------------|
| No. of modules EN 50022: 10 | | | | | |
| GW 68 025 N | 2 IB Vert. 16-32A IP67 | 1 IB 16/32A | 16 | 42 | 6 |
| No. of modules EN 50022: 14 | | | | | |
| GW 68 010 N | 3 IB Vert. 16/32A IP67 | 1 IB 16/32A | 24 | 64 | 3 |
| No. of modules EN 50022: 20 | | | | | |
| GW 68 015 N | 4 IB 16/32A IP67 + 4 IEC MAX 3P+E 16A | 2 IB 16/32A + 4 IEC 16A | 30 | 92 | 2 |
| GW 68 022 N | 1 IB Vert. 63A IP67 + 2 IB Vert. 16/32A IP67 | 1 IB 16/32A | 30 | 92 | 2 |

ACCESSORIES SUPPLIED: cable clamp and 4/6 screwcaps.

NOTES: dispersible power (B) is calculated according to IEC 60890 standard. It refers to the 40K overtemperature, between the temperature inside and outside the board.

GW68015N: the 4 flanges - measuring 85x75 - can be equipped with the COMBI-IN GW27401 and GW27403 watertight covers.

The IP65 degree of protection is obtained with blank flange lid installed correctly on all the seats of the unwired board.

External dimensions GW68025N (LxHxD): 220x435x96.

External dimensions GW68010N (LxHxD): 320x360x120.

External dimensions GW68015N and GW68022N (LxHxD): 450x560x120.

66 IB - HEAVY DUTY, VERTICAL WATERTIGHT INTERLOCKED SOCKET-OUTLETS

WITHOUT BOTTOM AND WITHOUT FUSE-HOLDER BASE - IP66



GW 66 542

VERTICAL INTERLOCKED SOCKET-OUTLETS - 50/60HZ

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 535 | 2P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 536 | 3P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 537 | 3P+N+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 538 | 2P+E | 200-250 V | ■ | 6 | 1/6 |
| GW 66 539 | 3P+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 540 | 3P+N+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 541 | 2P+E | 380-415 V | ■ | 9 | 1/6 |
| GW 66 542 | 3P+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 543 | 3P+N+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 544 | 3P+E | 480-500 V | ■ | 7 | 1/6 |
| GW 66 545 | 3P+N+E | 480-500 V | ■ | 7 | 1/6 |
| Rated current (A): 32 | | | | | |
| GW 66 546 | 2P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 547 | 3P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 548 | 3P+N+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 549 | 2P+E | 200-250 V | ■ | 6 | 1/6 |
| GW 66 550 | 3P+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 551 | 3P+N+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 552 | 2P+E | 380-415 V | ■ | 9 | 1/6 |
| GW 66 553 | 3P+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 554 | 3P+N+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 555 | 3P+E | 480-500 V | ■ | 7 | 1/6 |
| GW 66 556 | 3P+N+E | 480-500 V | ■ | 7 | 1/6 |
| GW 66 557 | 3P+E | 380-440 V | ■ | 3 | 1/6 |

CHARACTERISTICS: IK10, in compliance with EN 62262.

WITH BOTTOM AND WITHOUT FUSE-HOLDER BASE - IP66



GW 66 508

VERTICAL INTERLOCKED SOCKET-OUTLETS - 50/60HZ

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 501 | 2P+E | 100-130 V | Yellow | 4 | 1/6 |
| GW 66 502 | 3P+E | 100-130 V | Yellow | 4 | 1/6 |
| GW 66 503 | 3P+N+E | 100-130 V | Yellow | 4 | 1/6 |
| GW 66 504 | 2P+E | 200-250 V | Blue | 6 | 1/6 |
| GW 66 505 | 3P+E | 200-250 V | Blue | 9 | 1/6 |
| GW 66 506 | 3P+N+E | 200-250 V | Blue | 9 | 1/6 |
| GW 66 507 | 2P+E | 380-415 V | Red | 9 | 1/6 |
| GW 66 508 | 3P+E | 380-415 V | Red | 6 | 1/6 |
| GW 66 509 | 3P+N+E | 380-415 V | Red | 6 | 1/6 |
| GW 66 510 | 3P+E | 480-500 V | Black | 7 | 1/6 |
| GW 66 511 | 3P+N+E | 480-500 V | Black | 7 | 1/6 |
| Rated current (A): 32 | | | | | |
| GW 66 512 | 2P+E | 100-130 V | Yellow | 4 | 1/6 |
| GW 66 513 | 3P+E | 100-130 V | Yellow | 4 | 1/6 |
| GW 66 514 | 3P+N+E | 100-130 V | Yellow | 4 | 1/6 |
| GW 66 515 | 2P+E | 200-250 V | Blue | 6 | 1/6 |
| GW 66 516 | 3P+E | 200-250 V | Blue | 9 | 1/6 |
| GW 66 517 | 3P+N+E | 200-250 V | Blue | 9 | 1/6 |
| GW 66 518 | 2P+E | 380-415 V | Red | 9 | 1/6 |
| GW 66 519 | 3P+E | 380-415 V | Red | 6 | 1/6 |
| GW 66 520 | 3P+N+E | 380-415 V | Red | 6 | 1/6 |
| GW 66 521 | 3P+E | 480-500 V | Black | 7 | 1/6 |
| GW 66 522 | 3P+N+E | 480-500 V | Black | 7 | 1/6 |
| GW 66 523 | 3P+E | 380-440 V | Red | 3 | 1/6 |
| Rated current (A): 63 | | | | | |
| GW 66 524 | 2P+E | 100-130 V | Yellow | 4 | 1/3 |
| GW 66 525 | 3P+E | 100-130 V | Yellow | 4 | 1/3 |
| GW 66 526 | 3P+N+E | 100-130 V | Yellow | 4 | 1/3 |
| GW 66 527 | 2P+E | 200-250 V | Blue | 6 | 1/3 |
| GW 66 528 | 3P+E | 200-250 V | Blue | 9 | 1/3 |
| GW 66 529 | 3P+N+E | 200-250 V | Blue | 9 | 1/3 |
| GW 66 530 | 2P+E | 380-415 V | Red | 9 | 1/3 |
| GW 66 531 | 3P+E | 380-415 V | Red | 6 | 1/3 |
| GW 66 532 | 3P+N+E | 380-415 V | Red | 6 | 1/3 |
| GW 66 533 | 3P+E | 480-500 V | Black | 7 | 1/3 |
| GW 66 534 | 3P+N+E | 480-500 V | Black | 7 | 1/3 |

CHARACTERISTICS: IK10, in compliance with EN 62262. 63A versions equipped with a pilot contact.

WITHOUT BOTTOM FOR MOUNTING MODULAR DEVICES - IP66



GW 66 831

**VERTICAL INTERLOCKED SOCKET-OUTLETS
FOR MOUNTING MODULAR DEVICES - 50/60HZ**

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|-----------------|------------------|--------|----------------|----------------|
| Rated current (A): 16 | | | | | |
| GW 66 824 | 2P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 825 | 3P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 826 | 3P+N+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 827 | 2P+E | 200-250 V | ■ | 6 | 1/6 |
| GW 66 828 | 3P+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 829 | 3P+N+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 830 | 2P+E | 380-415 V | ■ | 9 | 1/6 |
| GW 66 831 | 3P+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 832 | 3P+N+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 833 | 3P+E | 480-500 V | ■ | 7 | 1/6 |
| GW 66 834 | 3P+N+E | 480-500 V | ■ | 7 | 1/6 |
| Rated current (A): 32 | | | | | |
| GW 66 835 | 2P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 836 | 3P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 837 | 3P+N+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 838 | 2P+E | 200-250 V | ■ | 6 | 1/6 |
| GW 66 839 | 3P+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 840 | 3P+N+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 841 | 2P+E | 380-415 V | ■ | 9 | 1/6 |
| GW 66 842 | 3P+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 843 | 3P+N+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 844 | 3P+E | 480-500 V | ■ | 7 | 1/6 |
| GW 66 845 | 3P+N+E | 480-500 V | ■ | 7 | 1/6 |
| GW 66 846 | 3P+E | 380-440 V | ■ | 3 | 1/6 |

CHARACTERISTICS: pre-arrangement for 6 DIN EN 50022 modules. IK10, in compliance with EN 62262.

WITH BOTTOM FOR MOUNTING MODULAR DEVICES - IP66



GW 66 981

VERTICAL INTERLOCKED SOCKET-OUTLETS FOR MOUNTING MODULAR DEVICES - 50/60HZ

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|-----------------|------------------|--------|----------------|----------------|
| Rated current (A): 16 | | | | | |
| GW 66 974 | 2P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 975 | 3P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 976 | 3P+N+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 977 | 2P+E | 200-250 V | ■ | 6 | 1/6 |
| GW 66 978 | 3P+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 979 | 3P+N+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 980 | 2P+E | 380-415 V | ■ | 9 | 1/6 |
| GW 66 981 | 3P+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 982 | 3P+N+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 983 | 3P+E | 480-500 V | ■ | 7 | 1/6 |
| GW 66 984 | 3P+N+E | 480-500 V | ■ | 7 | 1/6 |
| Rated current (A): 32 | | | | | |
| GW 66 985 | 2P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 986 | 3P+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 987 | 3P+N+E | 100-130 V | ■ | 4 | 1/6 |
| GW 66 988 | 2P+E | 200-250 V | ■ | 6 | 1/6 |
| GW 66 989 | 3P+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 990 | 3P+N+E | 200-250 V | ■ | 9 | 1/6 |
| GW 66 991 | 2P+E | 380-415 V | ■ | 9 | 1/6 |
| GW 66 992 | 3P+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 993 | 3P+N+E | 380-415 V | ■ | 6 | 1/6 |
| GW 66 994 | 3P+E | 480-500 V | ■ | 7 | 1/6 |
| GW 66 995 | 3P+N+E | 480-500 V | ■ | 7 | 1/6 |
| GW 66 996 | 3P+E | 380-440 V | ■ | 3 | 1/6 |
| Rated current (A): 63 | | | | | |
| GW 66 866 | 2P+E | 100-130 V | ■ | 4 | 1/3 |
| GW 66 867 | 3P+E | 100-130 V | ■ | 4 | 1/3 |
| GW 66 868 | 3P+N+E | 100-130 V | ■ | 4 | 1/3 |
| GW 66 869 | 2P+E | 200-250 V | ■ | 6 | 1/3 |
| GW 66 870 | 3P+E | 200-250 V | ■ | 9 | 1/3 |
| GW 66 871 | 3P+N+E | 200-250 V | ■ | 9 | 1/3 |
| GW 66 872 | 2P+E | 380-415 V | ■ | 9 | 1/3 |
| GW 66 873 | 3P+E | 380-415 V | ■ | 6 | 1/3 |
| GW 66 874 | 3P+N+E | 380-415 V | ■ | 6 | 1/3 |
| GW 66 875 | 3P+E | 480-500 V | ■ | 7 | 1/3 |
| GW 66 876 | 3P+N+E | 480-500 V | ■ | 7 | 1/3 |

CHARACTERISTICS: pre-arrangement for 6 DIN EN 50022 modules. IK10, in compliance with EN 62262. 63A versions equipped with a pilot contact.

WITHOUT BOTTOM WITH FUSE HOLDER BASE - IP66



GW 66 808

VERTICAL INTERLOCKED SOCKET-OUTLETS AND FUSE HOLDER BASE - 50/60HZ

| Code | No. of poles | Rated voltage | Colour | Type of fuse | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|--------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 66 801 | 2P+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 802 | 3P+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 803 | 3P+N+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 804 | 2P+E | 200-250 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 805 | 3P+E | 200-250 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 806 | 3P+N+E | 200-250 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 807 | 2P+E | 380-415 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 808 | 3P+E | 380-415 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 809 | 3P+N+E | 380-415 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 810 | 3P+E | 480-500 V | ■ | Ø 10.3x38 mm | 7 | 1/6 |
| GW 66 811 | 3P+N+E | 480-500 V | ■ | Ø 10.3x38 mm | 7 | 1/6 |
| Rated current (A): 32 | | | | | | |
| GW 66 812 | 2P+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 813 | 3P+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 814 | 3P+N+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 815 | 2P+E | 200-250 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 816 | 3P+E | 200-250 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 817 | 3P+N+E | 200-250 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 818 | 2P+E | 380-415 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 819 | 3P+E | 380-415 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 820 | 3P+N+E | 380-415 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 821 | 3P+E | 480-500 V | ■ | Ø 10.3x38 mm | 7 | 1/6 |
| GW 66 822 | 3P+N+E | 480-500 V | ■ | Ø 10.3x38 mm | 7 | 1/6 |
| GW 66 823 | 3P+E | 380-440 V | ■ | Ø 10.3x38 mm | 3 | 1/6 |

CHARACTERISTICS: IK10, in compliance with EN 62262.



GW 66 886

VERTICAL SOCKET-OUTLET WITH SAFETY TRANSFORMER (SELV) 230V / 24V - 50/60HZ - IP66

| Code | No. of poles | Output voltage | Colour | Rated power | Type of fuse | Pack Carton |
|------------------------------|--------------|----------------|--------|-------------|--------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 66 886 | 2P | 20-25 V | ■ | 160 VA | Ø 10.3x38 mm | 1/4 |

CHARACTERISTICS: the socket-outlet is equipped with a thermal protection device. If the device trips, extract the plug from the socket-outlet and check the applied load. IK10, in compliance with EN 62262.

ACCESSORIES SUPPLIED: fuses (2A for primary and 6A for secondary).

WITH BOTTOM WITH FUSE HOLDER BASE - IP66



GW 66 958

VERTICAL INTERLOCKED SOCKET-OUTLETS AND FUSE HOLDER BASE - 50/60HZ

| Code | No. of poles | Rated voltage | Colour | Type of fuse | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|--------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 66 951 | 2P+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 952 | 3P+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 953 | 3P+N+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 954 | 2P+E | 200-250 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 955 | 3P+E | 200-250 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 956 | 3P+N+E | 200-250 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 957 | 2P+E | 380-415 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 958 | 3P+E | 380-415 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 959 | 3P+N+E | 380-415 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 960 | 3P+E | 480-500 V | ■ | Ø 10.3x38 mm | 7 | 1/6 |
| GW 66 961 | 3P+N+E | 480-500 V | ■ | Ø 10.3x38 mm | 7 | 1/6 |
| Rated current (A): 32 | | | | | | |
| GW 66 962 | 2P+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 963 | 3P+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 964 | 3P+N+E | 100-130 V | ■ | Ø 10.3x38 mm | 4 | 1/6 |
| GW 66 965 | 2P+E | 200-250 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 966 | 3P+E | 200-250 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 967 | 3P+N+E | 200-250 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 968 | 2P+E | 380-415 V | ■ | Ø 10.3x38 mm | 9 | 1/6 |
| GW 66 969 | 3P+E | 380-415 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 970 | 3P+N+E | 380-415 V | ■ | Ø 10.3x38 mm | 6 | 1/6 |
| GW 66 971 | 3P+E | 480-500 V | ■ | Ø 10.3x38 mm | 7 | 1/6 |
| GW 66 972 | 3P+N+E | 480-500 V | ■ | Ø 10.3x38 mm | 7 | 1/6 |
| GW 66 973 | 3P+E | 380-440 V | ■ | Ø 10.3x38 mm | 3 | 1/6 |
| Rated current (A): 63 | | | | | | |
| GW 66 847 | 2P+E | 100-130 V | ■ | Ø 22x58 mm | 4 | 1/3 |
| GW 66 848 | 3P+E | 100-130 V | ■ | Ø 22x58 mm | 4 | 1/3 |
| GW 66 849 | 3P+N+E | 100-130 V | ■ | Ø 22x58 mm | 4 | 1/3 |
| GW 66 850 | 2P+E | 200-250 V | ■ | Ø 22x58 mm | 6 | 1/3 |
| GW 66 851 | 3P+E | 200-250 V | ■ | Ø 22x58 mm | 9 | 1/3 |
| GW 66 852 | 3P+N+E | 200-250 V | ■ | Ø 22x58 mm | 9 | 1/3 |
| GW 66 853 | 2P+E | 380-415 V | ■ | Ø 22x58 mm | 9 | 1/3 |
| GW 66 854 | 3P+E | 380-415 V | ■ | Ø 22x58 mm | 6 | 1/3 |
| GW 66 855 | 3P+N+E | 380-415 V | ■ | Ø 22x58 mm | 6 | 1/3 |
| GW 66 856 | 3P+E | 480-500 V | ■ | Ø 22x58 mm | 7 | 1/3 |
| GW 66 857 | 3P+N+E | 480-500 V | ■ | Ø 22x58 mm | 7 | 1/3 |

CHARACTERISTICS: IK10, in compliance with EN 62262. 63A versions equipped with a pilot contact.



GW 66 998

VERTICAL SOCKET-OUTLET WITH SAFETY TRANSFORMER (SELV) - 230V / 24V - 50HZ - IP66

| Code | No. of poles | Output voltage | Colour | Rated power | Type of fuse | Pack Carton |
|------------------------------|--------------|----------------|--------|-------------|--------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 66 998 | 2P | 20-25 V | ■ | 160 VA | Ø 10.3x38 mm | 1/4 |

CHARACTERISTICS: the socket-outlet is equipped with a thermal protection device. If the device trips, extract the plug from the socket-outlet and check the applied load. IK10, in compliance with EN 62262.

ACCESSORIES SUPPLIED: fuses (2A for primary and 6A for secondary).

COMPLEMENTARY ITEMS FOR INTERLOCKED SOCKET-OUTLETS - IP66



GW 66 685

SURFACE-MOUNTING BOTTOM FOR VERTICAL FIXED SOCKET-OUTLETS FOR HEAVY-DUTY USE IP66

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Pack Carton |
|------------------|----------------------------|-----------------------------|-------------|
| GW 66 685 | 1 | 16/32 A SELV | 1/10 |

CHARACTERISTICS: Equipped with top and bottom centres to make the holes for mounting the cable glands PG 21 / 29.



GW 66 700

MODULAR BASES FOR COMBINATION MOUNTING OF VERTICAL SOCKET-OUTLETS FOR HEAVY-DUTY USE - IP66

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Side entries | Top entries | Bottom entries | Pack Carton |
|------------------|----------------------------|-----------------------------|--------------|-------------|----------------|-------------|
| GW 66 696 | 1 | 16/32 A SELV | 2xØ 23 | 2xØ 23/29 | - | 1/6 |
| GW 66 697 | 2 | 16/32 A SELV | 4xØ 23 | 4xØ 23/29 | 1xØ 29/37 | 1/2 |
| GW 66 698 | 3 | 16/32 A SELV | 2xØ 23 | 5xØ 23/29 | 1xØ 29/37 | 1/2 |
| GW 66 700 | 1 | 63 A | 6xØ 23 | 2xØ 37/48 | - | 1/6 |

NOTES: Installation of the 63 A version is possible after removal of the socket-outlet base.

ACCESSORIES SUPPLIED: GW66698: 1 blank lid for closing the socket-outlet compartment.



GW 66 781

MODULAR BASES WITH PANEL AND WITH WINDOW WITH EN 50022 DIN RAIL - IP66

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Side entries | Top entries | Bottom entries | No. of modules EN 50022 | Dispersible power (W) | Pack Carton |
|------------------|----------------------------|-----------------------------|--------------|-------------|----------------|-------------------------|-----------------------|-------------|
| GW 66 781 | 1 | 16/32 A SELV | 2xØ 23 | 2xØ 23/29 | | 6 | 18 | 1/6 |
| GW 66 782 | 2 | 16/32 A SELV | 4xØ 23 | 4xØ 23/29 | 1xØ 29/37 | 12 | 27 | 1/2 |
| GW 66 783 | 3 | 16/32 A SELV | 2xØ 23 | 5xØ 23/29 | 1xØ 29/37 | 18 | 34 | 1/2 |
| GW 66 784 | 1 | 63 A | 6xØ 23 | 2xØ 37/48 | | 6 | 18 | 1/6 |

CHARACTERISTICS: Possibility of installing security cylinder lock GW40422 (supplied with 2 keys).

Installation of the 63 A version is possible after removal of the socket-outlet base.

ACCESSORIES SUPPLIED: GW66783: 1 blank lid for closing the socket-outlet compartment.



GW 66 706

BLANK LID VERTICAL FIXED SOCKET-OUTLET COMPARTMENT FOR HEAVY-DUTY USE - IP66

| Code | For Modular bases | For back boxes | Pack Carton |
|------------------|---|----------------|-------------|
| GW 66 706 | GW66696 - GW66697 - GW66698 - GW66781 - GW66782 - GW66783 | GW66685 | 1/10 |



GW 66 707

FLANGED LID FITTED FOR 2 COVERS - IP66

| Code | Houseable IB socket-outlets | Pack Carton |
|-----------|--------------------------------|----------------|
| GW 66 707 | Nr 2 IEC 309 16-32A IP44/67 | 1/10 |

APPLICATIONS: possibility of assembly on modular bases GW66696 - GW66697 - GW66698 - GW66781 - GW66782 - GW66783 and back-mounting box GW66685.
The flange of 85x75 mm dimension is suited for mounting IEC 309 16 A socket-outlets and COMBI-IN GW27401 and GW27403 watertight covers.
The flange of 95x80 mm dimension is suited for mounting IEC 309 32 A socket-outlets.

ACCESSORIES SUPPLIED: 1 blank flange 16-32A, 1 gasket and fixing screws.

66 IB - VERTICAL SOCKET-OUTLETS ELECTRICAL INTERLOCKED FOR HEAVY-DUTY

WITH MINIATURE CIRCUIT BREAKER - IP55



GW 66 585

WATERTIGHT VERTICAL SURFACE-MOUNTING SOCKET-OUTLETS WITH ELECTRIC INTERLOCK CIRCUIT BREAKER PROTECTION - IN 125A - 50/60HZ

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|-------------------------------|-----------------|------------------|--------|----------------|----------------|
| Rated current (A): 125 | | | | | |
| GW 66 581 | 3P+E | 100-130 V | Yellow | 4 | 1 |
| GW 66 582 | 3P+N+E | 100-130 V | Yellow | 4 | 1 |
| GW 66 583 | 3P+E | 200-250 V | Blue | 9 | 1 |
| GW 66 584 | 3P+N+E | 200-250 V | Blue | 9 | 1 |
| GW 66 585 | 3P+E | 380-415 V | Red | 6 | 1 |
| GW 66 586 | 3P+N+E | 380-415 V | Red | 6 | 1 |
| GW 66 587 | 3P+E | 480-500 V | Black | 7 | 1 |
| GW 66 588 | 3P+N+E | 480-500 V | Black | 7 | 1 |

CHARACTERISTICS: miniature circuit breaker: In= 125A, C curve, Icu (380/415V)= 25kA, electrical life= 8,000 cycles; mechanical life= 25,000 cycles; Insulating voltage Ui= 690V;
Terminal capacity: flexible cables: 2.5-50 mm², rigid cables: 2.5-70 mm².
125A versions equipped with 1 NO clean contact.

WITH RESIDUAL CURRENT MINIATURE CIRCUIT BREAKER - IP55



GW 66 595

WATERTIGHT VERTICAL SURFACE-MOUNTING SOCKET-OUTLETS WITH ELECTRIC INTERLOCK RESIDUAL CURRENT CIRCUIT BREAKER PROTECTION - IN 125A - 50/60HZ

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|-------------------------------|-----------------|------------------|--------|----------------|----------------|
| Rated current (A): 125 | | | | | |
| GW 66 591 | 3P+E | 100-130 V | Yellow | 4 | 1 |
| GW 66 592 | 3P+N+E | 100-130 V | Yellow | 4 | 1 |
| GW 66 593 | 3P+E | 200-250 V | Blue | 9 | 1 |
| GW 66 594 | 3P+N+E | 200-250 V | Blue | 9 | 1 |
| GW 66 595 | 3P+E | 380-415 V | Red | 6 | 1 |
| GW 66 596 | 3P+N+E | 380-415 V | Red | 6 | 1 |
| GW 66 597 | 3P+E | 480-500 V | Black | 7 | 1 |
| GW 66 598 | 3P+N+E | 480-500 V | Black | 7 | 1 |

CHARACTERISTICS: residual current circuit breaker In= 125A, class A, Sensitivity= adjustable 30-3,000mA instantaneous and selective, Insulating voltage Ui= 690V.
Terminal capacity: flexible cables: 2.5-50 mm², rigid cables: 2.5-70 mm².
125A versions equipped with 1 NO clean contact.

44 IB - HORIZONTAL PROTECTED INTERLOCKED SOCKET-OUTLETS

WITHOUT BOTTOM, WITHOUT FUSE-HOLDER BASE - IP44



GW 66 108

HORIZONTAL INTERLOCKED SOCKET OUTLETS - 50/60HZ

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 101 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 102 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 103 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 104 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 105 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 106 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 107 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 108 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 109 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 110 | 3P+E | 480-500 V | Black | 7 | 1/12 |
| GW 66 111 | 3P+N+E | 480-500 V | Black | 7 | 1/12 |
| Rated current (A): 32 | | | | | |
| GW 66 112 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 113 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 114 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 115 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 116 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 117 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 118 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 119 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 120 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 121 | 3P+E | 480-500 V | Black | 7 | 1/12 |
| GW 66 122 | 3P+N+E | 480-500 V | Black | 7 | 1/12 |

WITH BOTTOM, WITHOUT FUSE-HOLDER BASE - IP44



GW 66 004

HORIZONTAL INTERLOCKED SOCKET OUTLETS - 50/60HZ

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 001 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 002 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 003 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 004 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 005 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 006 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 007 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 008 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 009 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 010 | 3P+E | 480-500 V | Black | 7 | 1/12 |
| GW 66 011 | 3P+N+E | 480-500 V | Black | 7 | 1/12 |
| Rated current (A): 32 | | | | | |
| GW 66 012 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 013 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 014 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 015 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 016 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 017 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 018 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 019 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 020 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 021 | 3P+E | 480-500 V | Black | 7 | 1/12 |
| GW 66 022 | 3P+N+E | 480-500 V | Black | 7 | 1/12 |

ACCESSORIES SUPPLIED: coupling for Ø 20 mm conduits and Ø 23 mm cable gland.

WITHOUT BOTTOM, WITH FUSE-HOLDER BASE - IP44



GW 66 130

HORIZONTAL INTERLOCKED SOCKET OUTLETS WITH FUSE HOLDER BASE - 50/60HZ

| Code | No. of poles | Rated voltage | Colour | Fuses holder | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|--------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 66 123 | 2P+E | 100-130 V | ■ | E14 | 4 | 1/12 |
| GW 66 124 | 3P+E | 100-130 V | ■ | E14 | 4 | 1/12 |
| GW 66 125 | 3P+N+E | 100-130 V | ■ | E14 | 4 | 1/12 |
| GW 66 126 | 2P+E | 200-250 V | ■ | E14 | 6 | 1/12 |
| GW 66 127 | 3P+E | 200-250 V | ■ | E14 | 9 | 1/12 |
| GW 66 128 | 3P+N+E | 200-250 V | ■ | E14 | 9 | 1/12 |
| GW 66 129 | 2P+E | 380-415 V | ■ | E14 | 9 | 1/12 |
| GW 66 130 | 3P+E | 380-415 V | ■ | E14 | 6 | 1/12 |
| GW 66 131 | 3P+N+E | 380-415 V | ■ | E14 | 6 | 1/12 |
| GW 66 132 | 3P+E | 480-500 V | ■ | gG | 7 | 1/12 |
| GW 66 133 | 3P+N+E | 480-500 V | ■ | gG | 7 | 1/12 |
| Rated current (A): 32 | | | | | | |
| GW 66 134 | 2P+E | 100-130 V | ■ | E18 | 4 | 1/12 |
| GW 66 135 | 3P+E | 100-130 V | ■ | E18 | 4 | 1/12 |
| GW 66 136 | 3P+N+E | 100-130 V | ■ | E18 | 4 | 1/12 |
| GW 66 137 | 2P+E | 200-250 V | ■ | E18 | 6 | 1/12 |
| GW 66 138 | 3P+E | 200-250 V | ■ | E18 | 9 | 1/12 |
| GW 66 139 | 3P+N+E | 200-250 V | ■ | E18 | 9 | 1/12 |
| GW 66 140 | 2P+E | 380-415 V | ■ | E18 | 9 | 1/12 |
| GW 66 141 | 3P+E | 380-415 V | ■ | E18 | 6 | 1/12 |
| GW 66 142 | 3P+N+E | 380-415 V | ■ | E18 | 6 | 1/12 |
| GW 66 143 | 3P+E | 480-500 V | ■ | gG | 7 | 1/12 |
| GW 66 144 | 3P+N+E | 480-500 V | ■ | gG | 7 | 1/12 |

CHARACTERISTIC: compatible with ND fuses, except for versions 16A - 500V that have to accommodate GG cylindrical fuses ø 10,3x38 mm and version 32A - 500V that have to accommodate GG cylindrical fuses ø 14x51 mm.

WITH BOTTOM, WITH FUSE-HOLDER BASE - IP44



GW 66 026

HORIZONTAL INTERLOCKED SOCKET OUTLETS WITH FUSE HOLDER BASE - 50/60HZ

| Code | No. of poles | Rated voltage | Colour | Fuses holder | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|--------------|-------------|-------------|
| Rated current (A): 16 | | | | | | |
| GW 66 023 | 2P+E | 100-130 V | ■ | E14 | 4 | 1/12 |
| GW 66 024 | 3P+E | 100-130 V | ■ | E14 | 4 | 1/12 |
| GW 66 025 | 3P+N+E | 100-130 V | ■ | E14 | 4 | 1/12 |
| GW 66 026 | 2P+E | 200-250 V | ■ | E14 | 6 | 1/12 |
| GW 66 027 | 3P+E | 200-250 V | ■ | E14 | 9 | 1/12 |
| GW 66 028 | 3P+N+E | 200-250 V | ■ | E14 | 9 | 1/12 |
| GW 66 029 | 2P+E | 380-415 V | ■ | E14 | 9 | 1/12 |
| GW 66 030 | 3P+E | 380-415 V | ■ | E14 | 6 | 1/12 |
| GW 66 031 | 3P+N+E | 380-415 V | ■ | E14 | 6 | 1/12 |
| GW 66 032 | 3P+E | 480-500 V | ■ | gG | 7 | 1/12 |
| GW 66 033 | 3P+N+E | 480-500 V | ■ | gG | 7 | 1/12 |
| Rated current (A): 32 | | | | | | |
| GW 66 034 | 2P+E | 100-130 V | ■ | E18 | 4 | 1/12 |
| GW 66 035 | 3P+E | 100-130 V | ■ | E18 | 4 | 1/12 |
| GW 66 036 | 3P+N+E | 100-130 V | ■ | E18 | 4 | 1/12 |
| GW 66 037 | 2P+E | 200-250 V | ■ | E18 | 6 | 1/12 |
| GW 66 038 | 3P+E | 200-250 V | ■ | E18 | 9 | 1/12 |
| GW 66 039 | 3P+N+E | 200-250 V | ■ | E18 | 9 | 1/12 |
| GW 66 040 | 2P+E | 380-415 V | ■ | E18 | 9 | 1/12 |
| GW 66 041 | 3P+E | 380-415 V | ■ | E18 | 6 | 1/12 |
| GW 66 042 | 3P+N+E | 380-415 V | ■ | E18 | 6 | 1/12 |
| GW 66 043 | 3P+E | 480-500 V | ■ | gG | 7 | 1/12 |
| GW 66 044 | 3P+N+E | 480-500 V | ■ | gG | 7 | 1/12 |

ACCESSORIES SUPPLIED: coupling for Ø 20 mm and Ø 25 mm conduits and Ø 29 mm cable gland.

CHARACTERISTIC: compatible with ND fuses, except for versions 16A - 500V that have to accommodate GG cylindrical fuses ø 10,3x38 mm and version 32A - 500V that have to accommodate GG cylindrical fuses ø 14x51 mm.

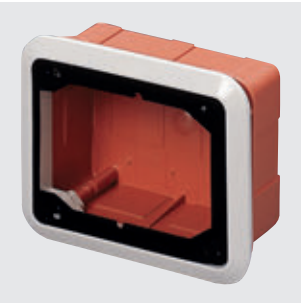
COMPLEMENTARY ITEMS FOR SOCKET-OUTLETS WITHOUT FUSE-HOLDER BASE - SBF - IP44



GW 66 676

SURFACE-MOUNTING BOX FOR FIXED HORIZONTAL SOCKET-OUTLETS - SBF - IP44

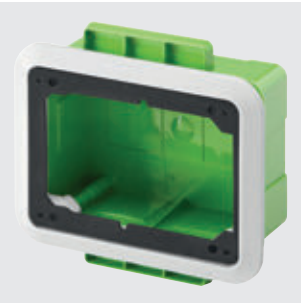
| Code | Houseable interloc. socket | Houseable IB socket-outlets | Side entries | Top entries | Bottom entries | Pack Carton |
|-----------|----------------------------|-----------------------------|--------------|-------------|----------------|-------------|
| GW 66 676 | 1 | 16/32 A | 4xØ 23 | 3xØ 23 | 3xØ 23 | 1/10 |



GW 66 681

BOX WITH FRAME FOR THE FLUSH-MOUNTING ASSEMBLY OF FIXED HORIZONTAL SOCKET-OUTLETS SBF - IP44

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Characteristics | Pack Carton |
|-----------|----------------------------|-----------------------------|-----------------|-------------|
| GW 66 681 | 1 | 16/32 A | For brick wall | 1/10 |



GW 66 681 PM

BOX WITH FRAME FOR LIGHTWEIGHT AND PLASTERBOARD WALLS FOR THE FLUSH-MOUNTING ASSEMBLY OF HORIZONTAL SOCKET-OUTLETS SBF - IP44

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Characteristics | Pack Carton |
|--------------|----------------------------|-----------------------------|------------------|-------------|
| GW 66 681 PM | 1 | 16/32 A | For plasterboard | 1/10 |

NOTES: Halogen-free casing, in accordance with EN 60754-2.
Casing type H in accordance with EN 60670-1, and type Ha in accordance with IEC 60670-1.
GWT 850°C according to EN 60695-2-11.
CHARACTERISTICS: locators for tracing the wall along the edges of the box; box equipped with tabs for direct fixing on panels or a metal structure, for lightweight and plasterboard walls.
ACCESSORIES SUPPLIED: self-tapping screw kit Ø 4x45mm.



GW 66 701

BLANK LID FOR THE COMPARTMENT CONTAINING FIXED HORIZONTAL SOCKET-OUTLETS - SBF - IP44

| Code | For distribution boards | For back boxes | For flush-mounting boxes | Pack Carton |
|-----------|-------------------------|----------------|--------------------------|-------------|
| GW 66 701 | GW68006N/09N/19N | GW66676 | GW66681 - GW66681PM | 1/10 |



GW 68 441

FLOOR MOUNTING AND WORKBENCH TOWER - IP55

| Code | Outer dim. LxHxD (mm) | Houseable IB socket-outlets | Installable Q-DIN boards | Characteristics | Pack Carton |
|------------------|--------------------------|--------------------------------|-----------------------------|-----------------|----------------|
| GW 68 441 | 200x295x180 | 16/32 A | Q-DIN 5 | Halogen free | 1/6 |

CHARACTERISTICS: contrasting flanges with smooth and honeycomb surface, for fixing interlocked switched socket-outlets 16-32A of the IB range: Combibloc, horizontal socket-outlets IP44 with bottom and vertical socket-outlets IP67 with bottom.

APPLICATIONS: installed combined using the coupler GW26406.

DISTRIBUTION BOARDS FOR SOCKET-OUTLETS WITHOUT FUSE-HOLDER BASE - SBF - IP65


GW 68 019N



GW 68 006N



GW 68 009N



GW 68 006 N

Q-DIN 10/14 WATERTIGHT BOARDS - UNWIRED - RAL 7035 - IP65

| Code | No. IB socket-outlets houseable | No. of provided blank lids | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|------------------------------------|--|-------------------------------|----------------------------|----------------------------|----------------|
| No. of modules EN 50022: 10 | | | | | |
| GW 68 019 N | 2 IB Horiz. 16/32A SBF IP44 overlapping | 1 IB 16/32A | 16 | 42 | 6 |
| No. of modules EN 50022: 14 | | | | | |
| GW 68 006 N | 2 IB Horiz. 16/32A SBF IP44 side by side | 1 IB 16/32A | 24 | 64 | 4 |
| GW 68 009 N | 4 IB Horiz. 16/32A SBF IP44 | 2 IB 16/32A | 24 | 64 | 3 |

ACCESSORIES SUPPLIED: cable clamp and 4 screw caps.

NOTES: Dispersible power (B) is calculated according to IEC 60890 standard. It refers to the 40K overtemperature, between the temperature inside and outside the board.

The IP65 degree of protection is obtained with blank flange lid installed correctly on all the seats of the unwired board.

External dimensions GW68019N (LxHxD): 220x435x96.

External dimensions GW68006N (LxHxD): 320x360x120.

External dimensions GW68009N (LxHxD): 320x510x120.

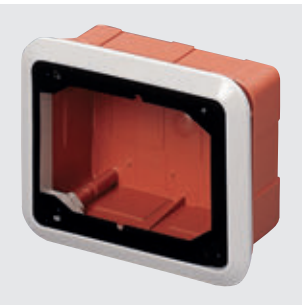
COMPLEMENTARY ITEMS FOR SOCKET-OUTLETS WITH FUSE-HOLDER BASE - CBF - IP44



GW 66 677

SURFACE-MOUNTING BOTTOM - IP44

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Side entries | Top entries | Bottom entries | Pack Carton |
|-----------|----------------------------|-----------------------------|--------------|-----------------|-----------------|-------------|
| GW 66 677 | 1 | 16/32 A | 4xØ 23 | 2xØ 23 - 1xØ 29 | 2xØ 23 - 1xØ 29 | 1/10 |



GW 66 682

BOX WITH FRAME FOR FLUSH-MOUNTING FIXED HORIZONTAL SOCKET-OUTLETS - CBF - IP44

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Characteristics | Pack Carton |
|-----------|----------------------------|-----------------------------|-----------------|-------------|
| GW 66 682 | 1 | 16/32 A | For brick wall | 1/10 |



GW 66 682 PM

BOX WITH FRAME FOR LIGHTWEIGHT AND PLASTERBOARD WALLS FOR THE FLUSH-MOUNTING ASSEMBLY OF HORIZONTAL SOCKET-OUTLETS CBF - IP44

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Characteristics | Pack Carton |
|--------------|----------------------------|-----------------------------|------------------|-------------|
| GW 66 682 PM | 1 | 16/32 A | For plasterboard | 1/10 |

NOTES: Halogen-free casing, in accordance with EN 60754-2.
Casing type H in accordance with EN 60670-1, and type Ha in accordance with IEC 60670-1.
GWT 850°C in accordance with EN 60695-2-11.
CHARACTERISTICS: locators for tracing the wall along the edges of the box; box equipped with tabs for direct fixing on panels or a metal structure, for lightweight and plasterboard walls.
ACCESSORIES SUPPLIED: self-tapping screw kit Ø 4x45mm.



GW 66 702

BLANK LID FOR THE COMPARTMENT CONTAINING FIXED HORIZONTAL SOCKET-OUTLETS - CBF - IP44

| Code | For distribution boards | For back boxes | For flush-mounting boxes | Pack Carton |
|-----------|-------------------------|----------------|--------------------------|-------------|
| GW 66 702 | GW68014N | GW66677 | GW66682 - GW66682PM | 1/10 |



GW 68 441

FLOOR MOUNTING AND WORKBENCH TOWER - IP55

| Code | Outer dim. LxHxD (mm) | Houseable IB socket-outlets | Installable Q-DIN boards | Characteristics | Pack Carton |
|------------------|--------------------------|--------------------------------|-----------------------------|-----------------|----------------|
| GW 68 441 | 200x295x180 | 16/32 A | Q-DIN 5 | Halogen free | 1/6 |

CHARACTERISTICS: contrasting flanges with smooth and honeycomb surface, for fixing interlocked switched socket-outlets 16-32A of the IB range: Combibloc, horizontal socket-outlets IP44 with bottom and vertical socket-outlets IP67 with bottom.

APPLICATIONS: installed combined using the coupler GW26406.

DISTRIBUTION BOARDS FOR SOCKET-OUTLETS WITH FUSE-HOLDER BASE - CBF - IP65


GW 68 014N



GW 68 014 N

Q-DIN 20 WATERTIGHT BOARD - UNWIRED - RAL 7035 - IP65

| Code | No. IB socket-outlets houseable | No. of provided blank lids | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|------------------------------------|------------------------------------|-------------------------------|----------------------------|----------------------------|----------------|
| No. of modules EN 50022: 20 | | | | | |
| GW 68 014 N | 4 IB Horiz. 16/32A CBF IP44 | 2 IB 16/32A | 30 | 92 | 2 |

ACCESSORIES SUPPLIED: cable clamp and 6 screw caps.

NOTES: dispersible power (B) is calculated according to IEC 60890 standard. It refers to the 40K overtemperature, between the temperature inside and outside the board.

The IP65 degree of protection is obtained with blank flange lid installed correctly on all the seats of the unwired board.

External dimensions (LxHxD): 450x560x120.

COMBIBLOC - COMPACT, PROTECTED AND WATERTIGHT INTERLOCKED SOCKET-OUTLETS

WITHOUT BOTTOM AND WITHOUT FUSE-HOLDER BASE - IP44



GW 66 441

COMPACT INTERLOCKED SOCKET-OUTLETS - 50/60 HZ

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 423 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 424 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 425 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 426 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 427 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 428 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 429 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 430 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 431 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |
| Rated current (A): 32 | | | | | |
| GW 66 434 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 435 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 436 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 437 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 438 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 439 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 440 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 441 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 442 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |

CHARACTERISTICS: the interlock lever can be padlocked in the ON/OFF position using the security lock GW40422.

WITH BOTTOM AND WITHOUT FUSE-HOLDER BASE - IP44



GW 66 404

COMPACT INTERLOCKED SOCKET-OUTLETS - 50/60 HZ

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 401 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 402 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 403 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 404 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 405 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 406 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 407 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 408 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 409 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |
| Rated current (A): 32 | | | | | |
| GW 66 412 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 413 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 414 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 415 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 416 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 417 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 418 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 419 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 420 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |

CHARACTERISTICS: the interlock lever can be padlocked in the ON/OFF position using the security lock GW40422.

WITHOUT BOTTOM AND WITHOUT FUSE-HOLDER BASE - IP55



GW 66 471

COMPACT INTERLOCKED SOCKET-OUTLETS - 50/60 HZ

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 467 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 468 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 469 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 470 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 471 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 472 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 473 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 474 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 475 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |
| Rated current (A): 32 | | | | | |
| GW 66 478 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 479 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 480 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 481 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 482 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 483 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 484 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 485 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 486 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |

NOTES: the gasket is inserted in the complementary items, bottom box and distribution boards.

CHARACTERISTICS: the interlock lever can be padlocked in the ON/OFF position using the security lock GW40422.

WITH BOTTOM AND WITHOUT FUSE-HOLDER BASE - IP55



GW 66 453

COMPACT INTERLOCKED SOCKET-OUTLETS - 50/60 HZ

| Code | No. of poles | Rated voltage | Colour | Reference h | Pack Carton |
|------------------------------|--------------|---------------|--------|-------------|-------------|
| Rated current (A): 16 | | | | | |
| GW 66 445 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 446 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 447 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 448 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 449 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 450 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 451 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 452 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 453 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |
| Rated current (A): 32 | | | | | |
| GW 66 456 | 2P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 457 | 3P+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 458 | 3P+N+E | 100-130 V | Yellow | 4 | 1/12 |
| GW 66 459 | 2P+E | 200-250 V | Blue | 6 | 1/12 |
| GW 66 460 | 3P+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 461 | 3P+N+E | 200-250 V | Blue | 9 | 1/12 |
| GW 66 462 | 2P+E | 380-415 V | Red | 9 | 1/12 |
| GW 66 463 | 3P+E | 380-415 V | Red | 6 | 1/12 |
| GW 66 464 | 3P+N+E | 380-415 V | Red | 6 | 1/12 |

CHARACTERISTICS: the interlock lever can be padlocked in the ON/OFF position using the security lock GW40422.

COMPLEMENTARY ITEMS



GW 66 496

BOTTOM FOR COMPACT SOCKET-OUTLETS - IP55

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Side entries | Top entries | Bottom entries | Pack Carton |
|------------------|----------------------------|-----------------------------|--------------|-------------|----------------|-------------|
| GW 66 496 | 1 | Compact 16A/32A | 2xØ 23 | 1xØ 23/29 | 1xØ 29/23 | 1/12 |

ACCESSORIES SUPPLIED: gasket for COMBIBLOC socket.



GW 66 498

FLUSH-MOUNTING BOX WITH FRAME - IP55

| Code | Houseable interloc. socket | Houseable IB socket-outlets | Pack Carton |
|------------------|----------------------------|-----------------------------|-------------|
| GW 66 498 | 1 | Compact 16A/32A | 1/12 |

APPLICATIONS: possibility of mounting on rectangular flush-mounting box for modular ranges (GW24403) with 83.5mm distance between centres and on 48 PT range junction box (GW48002).

ACCESSORIES SUPPLIED: gasket for COMBIBLOC socket.



GW 68 295

BLANK LID FOR IP55 COMBIBLOC CAP

| Code | Suitable for | Pack Carton |
|------------------|--|-------------|
| GW 68 295 | Boards GW66491/2/3, flush-mounting boxes GW66498 e enclosures base boxes GW44696 | 1/10 |



GW 40 422

CYLINDRICAL SECURITY LOCK

| Code | Material | Pack Carton |
|------------------|-------------------------|-------------|
| GW 40 422 | Pressure die-cast metal | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: all the keys and relative locks with the same product code are identical.



GW 68 441

FLOOR MOUNTING AND WORKBENCH TOWER - IP55

| Code | Outer dim. LxHxD (mm) | Houseable IB socket-outlets | Installable Q-DIN boards | Characteristics | Pack Carton |
|-----------|--------------------------|--------------------------------|-----------------------------|-----------------|----------------|
| GW 68 441 | 200x295x180 | 16/32 A | Q-DIN 5 | Halogen free | 1/6 |

CHARACTERISTICS: double-sided panels with smooth or honeycomb surface, for fixing interlocked switched socket-outlets 16-32A of the IB range: Combibloc, horizontal IP44 with bottom and vertical IP67 with bottom.

APPLICATIONS: installed combined using the coupler GW26406.

DISTRIBUTION BOARDS FOR COMBIBLOC SOCKET-OUTLET - IP55



GW 66 491



GW 66 492



GW 66 493



GW 66 493

EMPTY BOARDS FOR FIXED COMPACT SOCKET-OUTLETS

| Code | No. IB socket-outlets houseable | No. of modules EN 50022 | No. of blank lids supplied | Dispersible power (W) | Pack Carton |
|-----------|------------------------------------|----------------------------|-------------------------------|--------------------------|----------------|
| GW 66 491 | 1 COMBIBLOC 16/32A | 4 | None | 10 | 1/12 |
| GW 66 492 | 2 COMBIBLOC 16/32A | 8 | 1 | 13 | 1/6 |
| GW 66 493 | 3 COMBIBLOC 16/32A | 12 | 1 | 24 | 1/4 |

CHARACTERISTICS: the transparent door is pre-arranged for the GW40422 security lock.

ACCESSORIES SUPPLIED: sealing gaskets for COMBIBLOC socket-outlets.



GW 68 295

BLANK LID FOR INTERLOCKED SWITCHED SOCKET-OUTLETS COMBIBLOC IP55

| Code | Suitable for | Pack Carton |
|-----------|--|----------------|
| GW 68 295 | Boards GW66491/2/3, flush-mounting boxes GW66498 e enclosures base boxes GW44696 | 1/10 |



GW 40 412 B

INSULATED SCREW TERMINAL BLOCK BIPOLAR AND UNIPOLAR FOR ENCLOSURES AND BOARDS

| Code | Pole 1 (mm ²) | Pole 2 (mm ²) | Suitable for | Fastener to supports | Pack Carton |
|---|------------------------------|------------------------------|---------------------|-------------------------|----------------|
| Type: Bipolar - Rated current 125 A | | | | | |
| GW 40 401 | N (1x35) + (7x10) | E (1x35) + (7x10) | GW66492 and GW66493 | With screws | 10 |
| GW 40 402 | N (3x35) + (10x10) | E (3x35) + (10x10) | GW66493 | With screws and/or clip | 10 |
| Type: Bipolar - Rated current 80 A - IP20 | | | | | |
| GW 40 408 B | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | GW66492 and GW66493 | With screws | 1/10 |
| GW 40 412 B | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | GW66493 | With screws and/or clip | 1/10 |
| Type: Unipolar - Rated current 80 A - IP20 | | | | | |
| GW 40 408 U | N/E (2x16) + (7x10) | | GW66492 and GW66493 | With screws | 1/10 |
| GW 40 412 U | N/E (3x16) + (11x10) | | GW66493 | With screws and/or clip | 1/10 |
| GW 40 422 U | N/E (3x16) + (29x10) | | GW66493 | With screws and/or clip | 1/10 |

ACCESSORIES SUPPLIED: fixing screws. The 80 A terminal blocks are equipped with N and E labels to be placed on the respective spaces to identify the poles.

CHARACTERISTICS: GWT 960°C according to EN60695-2-11.

INSTALLATION: the installation of the GW40401, GW40408B and GW40408U terminal blocks on the GW66493 board is permitted by using the GW40413 adapter.



GW 40 413

ADAPTERS FOR SCREW TERMINAL BLOCKS

| Code | Suitable for | Fastener to supports | Pack Carton |
|-----------|-----------------|----------------------|----------------|
| GW 40 413 | GW66493 | With screws | 20 |

ACCESSORIES SUPPLIED: fixing screws.

CHARACTERISTICS: the adapter is pre-drilled for the correct assembly of the terminal block.

INSTALLATION: it permits installation of the GW40401, GW40408B and GW40408U terminal blocks on the GW66493 board.

72 - FUSE FOR INTERLOCKED SOCKET-OUTLETS

FUSES



GW 72 003

ND FUSES 380V~

| Code | Rated current (A) | Rated voltage | Type | Breaking capacity | Pack Carton |
|-----------------------------------|-------------------|---------------|---------|-------------------|-------------|
| Dimensions (mm): Ø 11 x 36 | | | | | |
| GW 72 001 | 2 | 380 V | D01 E14 | 50 kA | 10/100 |
| GW 72 003 | 6 | 380 V | D01 E14 | 50 kA | 10/100 |
| GW 72 005 | 16 | 380 V | D01 E14 | 50 kA | 10/100 |
| Dimensions (mm): Ø 15 x 36 | | | | | |
| GW 72 013 | 35 | 380 V | D02 E18 | 50 kA | 10/100 |
| GW 72 015 | 63 | 380 V | D02 E18 | 50 kA | 10/100 |



GW 72 023

DD FUSES 500V~

| Code | Rated current (A) | Rated voltage | Type | Breaking capacity | Pack Carton |
|-----------------------------------|-------------------|---------------|----------------|-------------------|-------------|
| Dimensions (mm): Ø 13 x 50 | | | | | |
| GW 72 021 | 2 | 500 V | DI E16 Delayed | 50 kA | 10/50 |
| GW 72 023 | 6 | 500 V | DI E16 Delayed | 50 kA | 10/50 |
| Dimensions (mm): Ø 22 x 50 | | | | | |
| GW 72 065 | 16 | 500 V | DII E27 quick | 50 kA | 5/20 |
| Dimensions (mm): Ø 28 x 50 | | | | | |
| GW 72 092 | 35 | 500 V | DIII E33 Rapid | 50 kA | 5/20 |
| GW 72 095 | 63 | 500 V | DIII E33 Rapid | 50 kA | 5/20 |



GW 72 122

GG CYLINDRICAL FUSES - 500V~

| Code | Rated current | Rated voltage | Type | Breaking capacity | Pack Carton |
|-------------------------------------|---------------|---------------|------|-------------------|-------------|
| Dimensions (mm): Ø 10.3 x 38 | | | | | |
| GW 72 104 | 2 A | 500 V | gG | 120 kA | 10/100 |
| GW 72 105 | 6 A | 500 V | gG | 120 kA | 10/100 |
| GW 72 101 | 16 A | 500 V | gG | 120 kA | 10/100 |
| GW 72 110 | 32 A | 400 V | gG | 120 kA | 10/100 |
| Dimensions (mm): Ø 14 x 51 | | | | | |
| GW 72 122 | 32 A | 500 V | gG | 80 kA | 10/100 |
| Dimensions (mm): Ø 22 x 58 | | | | | |
| GW 72 103 | 63 A | 690 V | gG | 80 kA | 10/30 |

NOTES: GW72110 Nominal voltage 400V~.



AUTOMATIKA - WITH
INTEGRATED MCB



The integration of the MCB switch in the socket-outlet individually protects the load reducing the spaces on boards. The LEDs integrated on the front indicate the operating status of the switch and the presence of voltage. Available with currents 16-32A.

CBF - WITH FUSES
BASE HOLDER



The innovative fuse holder system automatically and simultaneously extracts the fuses from the base by opening the cover with tamper-proof screw by a 1/4 turn. The cover is closed again by simply pressing with a finger. Available with currents 16-32-63A.

SBF - WITH ROTARY SWITCH



The knob has been designed to avoid the accumulations of dust and to ensure an ergonomic grip. The knob can also be padlocked to the ON/OFF position for added safety. Available with currents 16-32-63A.

Technical data and compliance with Standards

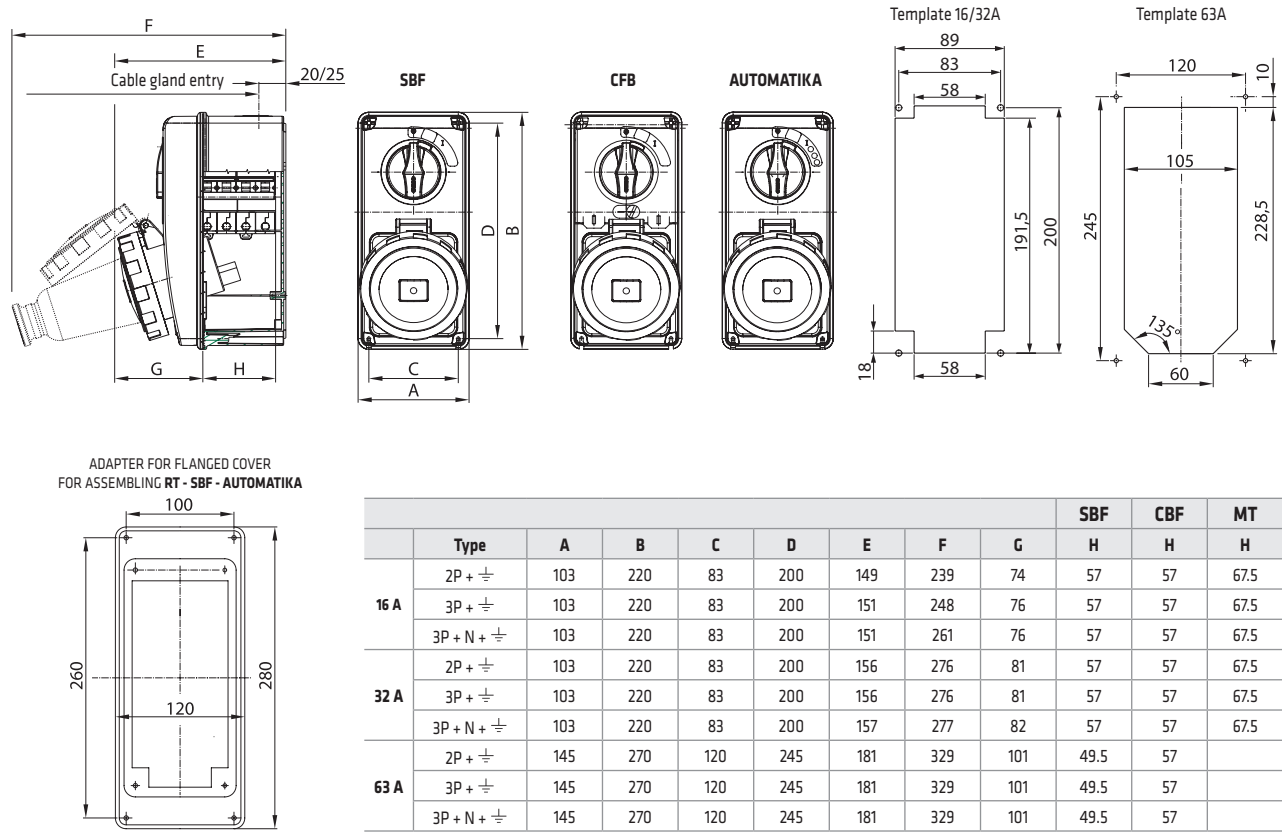
| Component | Reference Standards | Rated voltage Un (V) | Rated current In (A) | Other electrical data | Impact resistance at ambient temperature (IK code) | Heat resistance | Resistance to abnormal heat and fire |
|---|--|-------------------------------|----------------------|---------------------------|--|--------------------------------|--------------------------------------|
| | | | | | | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
| Interlocked switched socket-outlets | EN 60309-1 EN 60309-2 EN 60309-4 EN 61558-2-6 | 110 - 230 400 - 500 | 16 - 32 - 63 | see IEC 309 range | IK 08 | 125 | 850 |
| SELV socket-outlet | | 24 | 16 | | IK 08 | 125 | 850 |
| Rotary switch | EN 60947-3 | 500 | 16 - 32 - 63 | see 70 RT range | IK 08 | 125 | 850 |
| MT60 miniature circuit breaker, C characteristic, 6kA | EN 60898-1 | 110 - 230 - 400 | 16 - 32 | - | IK08 | 125 | 850 |
| Shell | EN 60670 | - | - | - | IK 08 | 80 | 650 |
| Safety transformer | EN 61558-2-6 | 230 / 24 | 6 | P = 160 VA | - | - | - |
| Fuses | EN 60269-1 | see fuse technical data table | 16 - 32 - 63 | Breaking capacity > 50 kA | - | - | - |

Note: for the technical characteristics of the MT 60 C characteristic 6kA miniature circuit breaker used in the AUTOMATIKA versions, refer to the 90 MCB range.

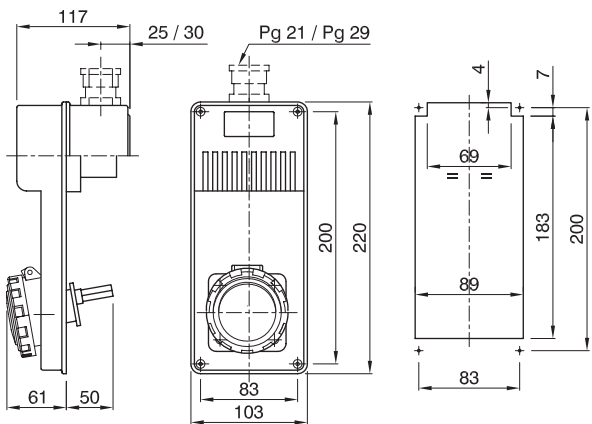
| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Alcohol | | |
| Resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Resistant |

Dimension tables

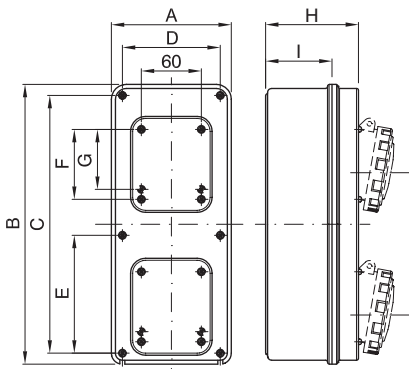
WATERTIGHT VERTICAL SOCKET-OUTLETS WITH ROTARY SWITCH, FUSE-HOLDER BASE AND AUTOMATIKA - IP 67



WATERTIGHT VERTICAL SOCKET-OUTLETS WITH SAFETY TRANSFORMER (SELV), WITHOUT FUSE-HOLDER BASE - IP67

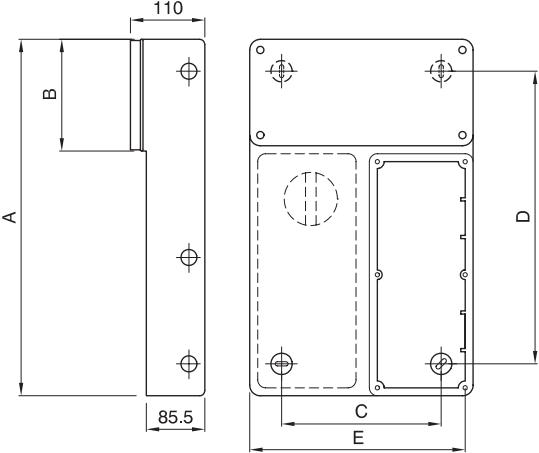


BASE BOX WITH FLANGED COVER



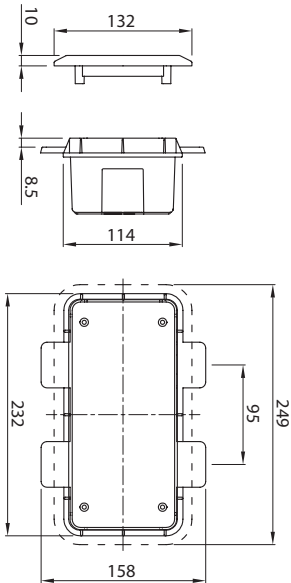
| Code | Dimensions of assembled caps | A | B | C | D | E | F | G | H | I |
|-------------|-----------------------------------|-----|-----|-----|-----|-------|----|----|----|----|
| GW 66 741 N | 1 x (75x85) + 1 x (75x85 + 80x95) | 103 | 220 | 200 | 83 | - | 70 | 60 | - | - |
| GW 66 742 | 2 x (75x85 + 80x95) | 120 | 280 | 260 | 100 | 118.5 | 70 | 60 | 92 | 66 |

MODULAR BASES: 1-2-3 SOCKET-OUTLETS - IP67



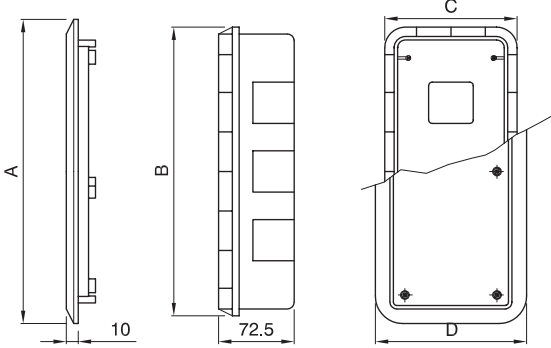
| Type | Number of IB | A | B | C | D | E |
|---------|--------------|-----|-----|-----|-----|-----|
| 16-32 A | 1 | 360 | 130 | 50 | 290 | 107 |
| | 2 | | | 150 | | 220 |
| | 3 | | | 263 | | 333 |
| 63 A | 1 | 510 | 160 | 75 | 440 | 150 |

BOX WITH FRAME FRO PLASTERBOARD WALL FOR FLUSH-MOUNTING VERTICAL SOCKET-OUTLETS IP67 - 16-32A



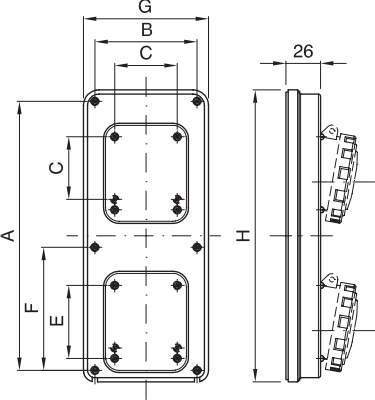
GW 66 683 PM

BOXES WITH FRAME AND BLANK COVER FOR FLUSH-MOUNTING, VERTICAL SOCKET-OUTLETS, 16-32A, IP67



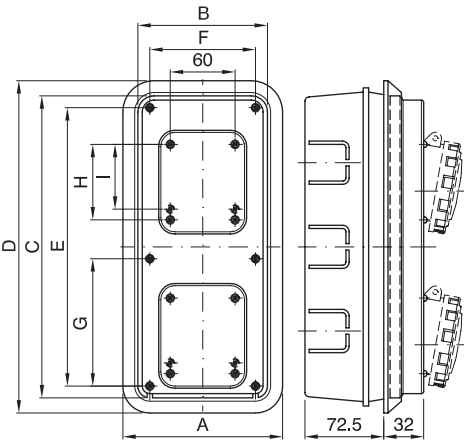
| Type | A | B | C | D |
|--------|-----|-----|-----|-----|
| 16-32A | 249 | 232 | 114 | 132 |

FLANGED COVER PRE-ARRANGED FOR 2 CAPS



| Type | Dimension of assembled | A | B | C | D | E | F | G | H |
|--------|------------------------|-----|----|----|----|---|---|-----|-----|
| 16-32A | 75 x 85 | 200 | 83 | 60 | 60 | - | - | 103 | 220 |

BOX WITH FRAME FOR FLUSH-MOUNTING, WITH FLANGED COVER



| Type | Dimension of assembled | A | B | C | D | E | F | G | H | i |
|--------|------------------------|-----|-----|-----|-----|-----|----|---|---|----|
| 16-32A | 75x85 + 95x80 | 132 | 103 | 220 | 249 | 200 | 83 | - | - | 60 |

66 IB



IDEAL FOR HEAVY
DUTY USE



The thermoplastic material used for the 66IB vertical socket-outlets guarantees high standards even in harsh and continuous use thanks to the high resistance to impact, chemicals, UV radiation and mechanical stress.

REDUCED INSTALLATION
TIMES



The double 90° opening, both of the front and the back plate, allows to minimize the wiring and maintenance operations.

AMPLE INTERNAL
SPACE



Are available versions equipped with 6 module DIN rail to house protection circuit breakers inside the socket-outlet.

A product range comprising industrial-type socket-outlets conforming to IEC 60309 Standard, with rotary switch mechanical interlock for individual or group applications on modular bases. The robustness of the products and their resistance to the main chemical and atmospheric agents, together with the high IP66 degree of protection, mean they can be installed in tough environments with critical atmospheric, chemical and mechanical (accidental impact) conditions.

Technical data and compliance with Standards

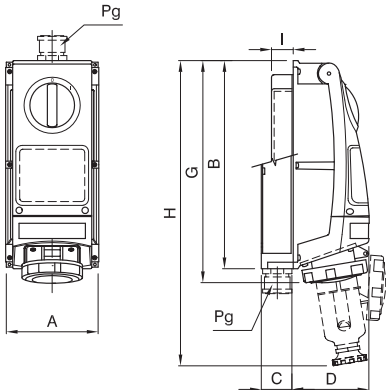
| Component | Reference Standards | Versions | Degree of protection (IP) | Rated current In (A) | Impact resistance of external parts (IK code) | | Heat resistance | Resistance to abnormal heat and fire |
|---|--|-----------------------|---------------------------|----------------------|---|-------|--------------------------------|--------------------------------------|
| | | | | | At ambient temperature | -20°C | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
| Interlocked switched socket-outlets | EN 60309-1 (CEI 23-12/1) EN 60309-2 (CEI 23-12/2) EN 60309-4 (CEI 23-12/4) | With fuse-holder base | IP 66 | 16-32-63 | > IK 10 | 20J | 80 | 850 |
| Socket-outlets with 160 VA (SELV) transformer | EN 61558-2-6 (CEI 96-7) EN 60947-3 (CEI 17-11) | With EN 50022 rail | | | | | | |
| | | With fuse-holder base | IP 66 | 16 | | | | |
| Shell | EN IEC 60670-1 (CEI 23-48) | Back-mounting boxes | IP 66 | 16-32-63 | | | | |
| | | Modular bases | | 16-32-63 | | | | |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|---------------|--------------------|-----------|-----------|--------------------|---------------|-------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Resistant | Resistant | Limited resistance | Resistant | Resistant | Resistant |

INTERLOCKED SWITCHED SOCKET-
OUTLET IEC 309 STANDARD

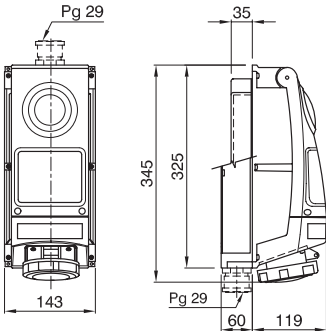
Dimension tables

INTERLOCKED SOCKET-OUTLETS 16 / 32 / 63A - IP66



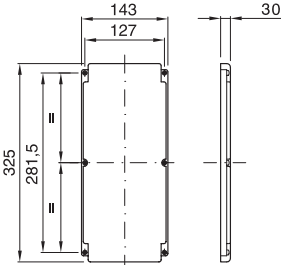
| | Type | A | B | C | D | G | H | I | Pg |
|------|------------------------|-----|-----|----|-----|-----|-----|----|----|
| 16 A | 2P + $\frac{1}{2}$ | 143 | 325 | 60 | 119 | 345 | 362 | 35 | 29 |
| | 3P + $\frac{1}{2}$ | | | | | | 369 | | |
| | 3P + N + $\frac{1}{2}$ | | | | | | 382 | | |
| 32 A | 2P + $\frac{1}{2}$ | 143 | 325 | 60 | 119 | 345 | 455 | 35 | 29 |
| | 3P + N + $\frac{1}{2}$ | | | | | | | | |
| 63 A | 2P + $\frac{1}{2}$ | 143 | 390 | 75 | 140 | 425 | 570 | 45 | 36 |
| | 3P + $\frac{1}{2}$ | | | | | | | | |
| | 3P + N + $\frac{1}{2}$ | | | | | | | | |

WATERTIGHT SOCKET-OUTLET WITH SAFETY TRANSFORMER (SELV) AND FUSE-HOLDER BASE - IP66



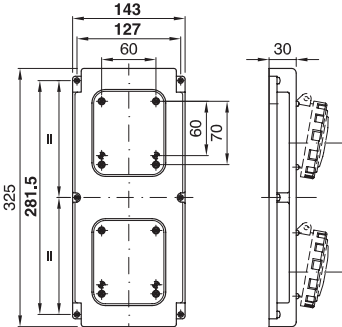
GW 66 706

BLANK COVER FOR MODULAR BASES 16 / 32A - IP66



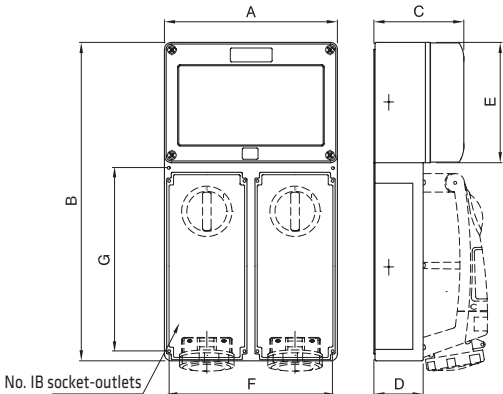
GW 66 706

FLANGED COVER FOR MODULAR BASES 16 - 32A - IP66



GW 66 707

MODULAR BASES FOR INTERLOCKED SWITCHED SOCKET-OUTLETS 16 / 32 / 63A - IP66



| | No. "IB" socket-outlets | A | B | C | D | E | F | G |
|----------------|-------------------------|-----|-----|-----|----|-----|-----|-----|
| 16-32 A TRASF. | 1 | 148 | 555 | 155 | 85 | 210 | 136 | 325 |
| | 2 | 305 | | | | | 293 | |
| | 3 | 462 | | | | | 450 | |
| 63 A | 1 | 148 | 620 | | | | 136 | 390 |

125A socket-outlets

| TECHNICAL DATA AND COMPLIANCE WITH STANDARDS | | | | | | | | |
|--|--------------------------|---------------------------------------|---------------------------|-----------------------------------|---|-------|--------------------------------|--------------------------------------|
| Component | Reference Standards | Versions | Degree of protection (IP) | Rated currents I _n (A) | Impact resistance of external parts (IK code) | | Heat resistance | Resistance to abnormal heat and fire |
| | | | | | At ambient temperature | -20°C | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
| 125A socket-outlets with electric interlock | EN 60309-1 EN 60309-2 | With miniature circuit breaker | IP 55 | 125 A | IK 10 | 20J | 200 | 960 |
| | | With RCCB with overcurrent protection | | | | | | |

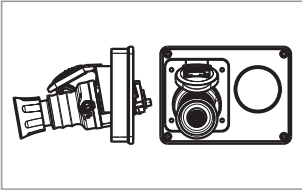
SOCKET-OUTLET WITH ELECTRIC INTERLOCK 125A - IP55

INTERLOCKED SWITCHED SOCKET-
OUTLET IEC 309 STANDARD

44 IB



REDUCED PROTRUSION



The horizontal interlocked switched socket-outlets have reduced projection for application in industrial kitchens and environments where there is the need to limit the overall dimensions.

SIDE-BY-SIDE
SOCKET-OUTLETS



The straight border devoid of protrusions allows to place a high numbers of socket-outlets side-by-side to compose sets.

IDEAL FOR BRICK AND
PLASTERBOARD WALLS



Available in the 44IB offer flush-mounting back plate for the installation of the horizontal socket-outlet in brick or plasterboard walls.

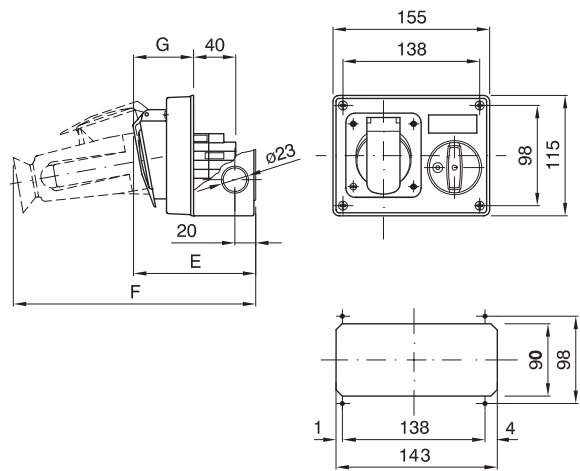
Technical data and compliance with Standards

| Component | Reference Standards | Rated voltage Un (V) | Rated current In (A) | Other electrical data | Impact resistance at ambient temperature (IK code) | Heat resistance | Resistance to abnormal heat and fire |
|-------------------------------------|--|-------------------------------|-------------------------|---------------------------|--|--------------------------------|--------------------------------------|
| | | | | | | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
| Interlocked switched socket-outlets | EN 60309-1 EN 60309-2 EN 60309-4 EN 61558-2-6 | 110 - 230 400 - 500 | 16 - 32 - 63 | see IEC 309 range | IK 08 | 125 | 850 |
| Rotary switch | EN 60947-3 | 500 | 16 - 32 - 63 | see 70 RT range | IK 08 | 125 | 850 |
| Shell | EN 60670 | - | - | - | IK 08 | 80 | 650 |
| Fuses | EN 60269-1 | see fuse technical data table | 16 - 32 - 63 | Breaking capacity > 50 kA | - | - | - |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Alcohol | | |
| Resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Resistant |

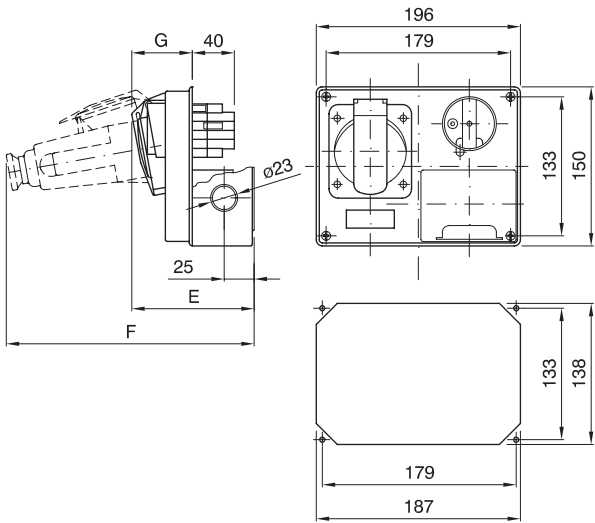
Dimension tables

PROTECTED HORIZONTAL SOCKET-OUTLETS WITH INTERLOCK SWITCH AND DRILLING TEMPLATE FOR FLUSH-MOUNTING, IP44



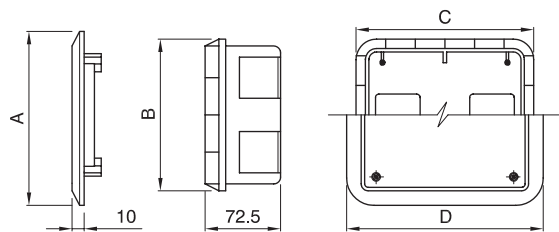
| | Type | E | F | G |
|------|------------------------|-----|-----|----|
| 16 A | 2P + $\frac{1}{2}$ | 108 | 181 | 55 |
| | 3P + $\frac{1}{2}$ | 109 | 181 | 55 |
| | 3P + N + $\frac{1}{2}$ | 111 | 193 | 57 |
| 32 A | 2P + $\frac{1}{2}$ | 118 | 213 | 65 |
| | 3P + $\frac{1}{2}$ | | | |
| | 3P + N + $\frac{1}{2}$ | | | |

PROTECTED HORIZONTAL SOCKET-OUTLETS WITH INTERLOCK SWITCH, FUSE-HOLDER BASE AND DRILLING TEMPLATE FOR FLUSH-MOUNTING, IP44



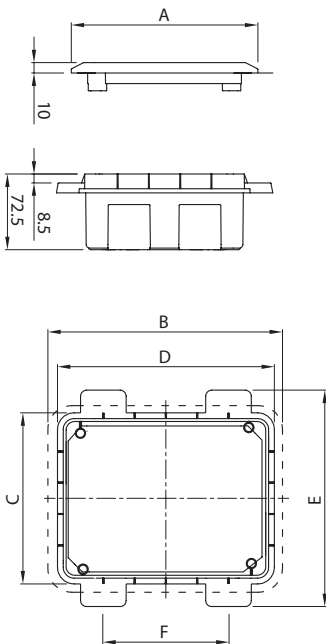
| | Type | E | F | G |
|------|------------------------|-----|-----|----|
| 16 A | 2P + $\frac{1}{2}$ | 120 | 193 | 54 |
| | 3P + $\frac{1}{2}$ | 121 | 194 | 55 |
| | 3P + N + $\frac{1}{2}$ | 123 | 207 | 57 |
| 32 A | 2P + $\frac{1}{2}$ | 130 | 226 | 64 |
| | 3P + $\frac{1}{2}$ | | | |
| | 3P + N + $\frac{1}{2}$ | | | |

BOXES WITH FRAME AND BLANK COVER FOR FLUSH-MOUNTING, HORIZONTAL SOCKET-OUTLETS, 16-32A, IP44, WITH AND WITHOUT FUSES



| Type | A | B | C | D |
|------|-----|-----|-----|-----|
| SBF | 141 | 130 | 170 | 184 |
| CBF | 179 | 164 | 208 | 225 |

BOX WITH FRAME FOR PLASTERBOARD WALL FOR FLUSH-MOUNTING HORIZONTAL SOCKET-OUTLETS IP44 - 16-32A

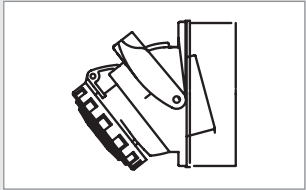


| Code | A | B | C | D | E | F |
|------------------|-----|-----|-----|-----|-----|-----|
| SBF GW 66 681 PM | 141 | 184 | 130 | 170 | 174 | - |
| CBF GW 66 682 PM | 179 | 225 | 164 | 208 | 208 | 120 |

Combibloc



SUPER COMPACT SOCKET-OUTLETS



The design and the linear shape allow to combine compact dimensions to ease of use. The dimensions are so reduced that the socket-outlet can also be installed on rectangular 3 gang boxes.

CAN ALSO BE INSTALLED IN PLASTERBOARD



Thanks to the flush-mounting frame the socket-outlets can also be fixed to plasterboard walls, using the GW24403PM 3 gang box.

LOCKABLE



Both COMBIBLOC socket-outlets and boards are lockable thanks to a metal cylinder lock. The lever of the socket-outlet can be locked in position 0/1.

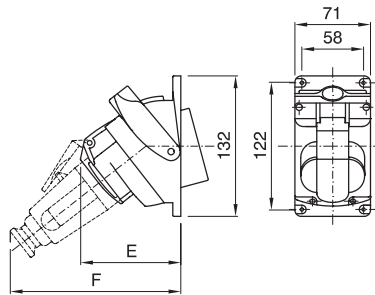
Technical data and compliance with Standards

| Component | Reference Standards | Rated voltage Un (V) | Rated current In (A) | Impact resistance at ambient temperature (IK code) | Heat resistance | Resistance to abnormal heat and fire |
|-------------------------------------|--|-------------------------|-------------------------|---|--------------------------------|--------------------------------------|
| | | | | | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
| Interlocked switched socket-outlets | EN 60309-1 EN 60309-2 EN 60309-4 | 110 - 230 - 400 | 16 - 32 | IK 08 | 125 | 850 |
| Control switch | EN 60309-1 EN 60309-2 EN 60309-4 | 110 - 230 - 400 | 16 - 32 | IK 08 | 125 | 850 |
| Container | EN 60670-1 EN 60670-24 | - | - | IK 08 | 80 | 650 |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|--------------------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Alcohol | | |
| Limited resistance | Not resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant |

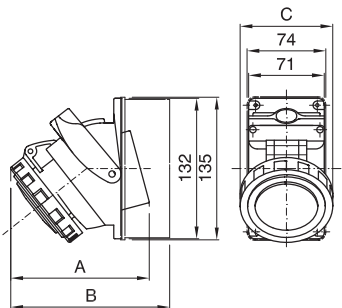
Dimension tables

COMBIBLOC COMPACT SOCKET-OUTLETS - 16-32A - IP44



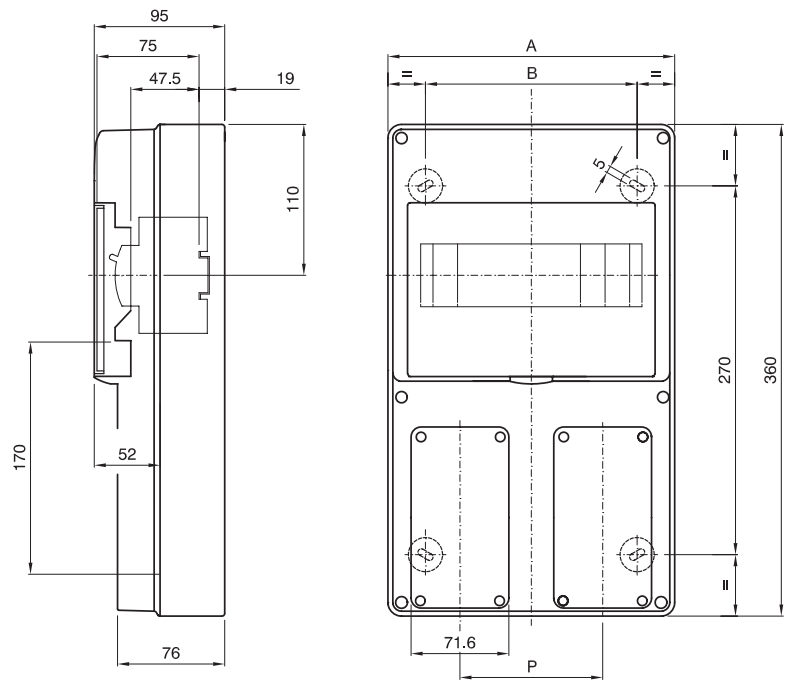
| | Type | E | F |
|------|------------------------|-----|-----|
| 16 A | 2P + $\frac{1}{2}$ | 125 | 198 |
| | 3P + $\frac{1}{2}$ | 130 | 202 |
| | 3P + N + $\frac{1}{2}$ | 130 | 212 |
| 32 A | 2P + $\frac{1}{2}$ | 138 | 233 |
| | 3P + $\frac{1}{2}$ | | |
| | 3P + N + $\frac{1}{2}$ | | |

COMBIBLOC COMPACT SOCKET-OUTLETS - 16-32A - IP55



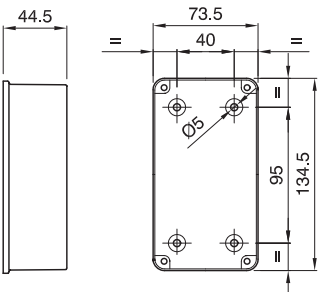
| | Type | A | B | C |
|------|------------------------|-----|-----|-----|
| 16 A | 2P + $\frac{1}{2}$ | 150 | 170 | 71 |
| | 3P + $\frac{1}{2}$ | 150 | 170 | 80 |
| | 3P + N + $\frac{1}{2}$ | 155 | 175 | 87 |
| 32 A | 2P + $\frac{1}{2}$ | 170 | 190 | 95 |
| | 3P + $\frac{1}{2}$ | | | 95 |
| | 3P + N + $\frac{1}{2}$ | | | 100 |

WATERTIGHT VERTICAL BOARDS FOR COMBIBLOC COMPACT SOCKET-OUTLETS - IP55

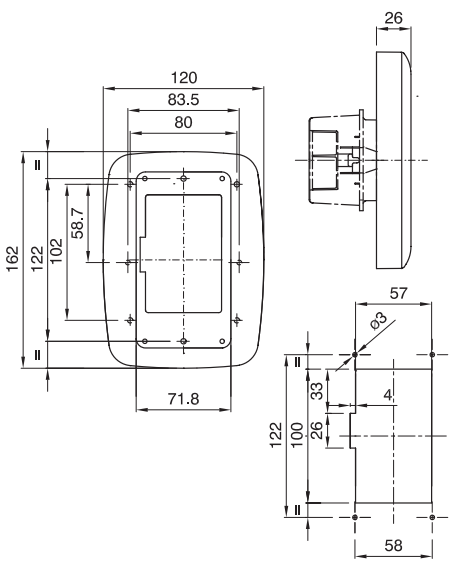


| Type | A | B | P |
|------------|-----|-----|-------|
| 4 modules | 105 | - | - |
| 8 modules | 210 | 155 | 105 |
| 12 modules | 320 | 220 | 2x105 |

BASE BOX FOR COMBIBLOC COMPACT SOCKET-OUTLETS



FLUSH-MOUNTING FRAME FOR COMBIBLOC COMPACT SOCKET-OUTLETS AND DRILLING TEMPLATE

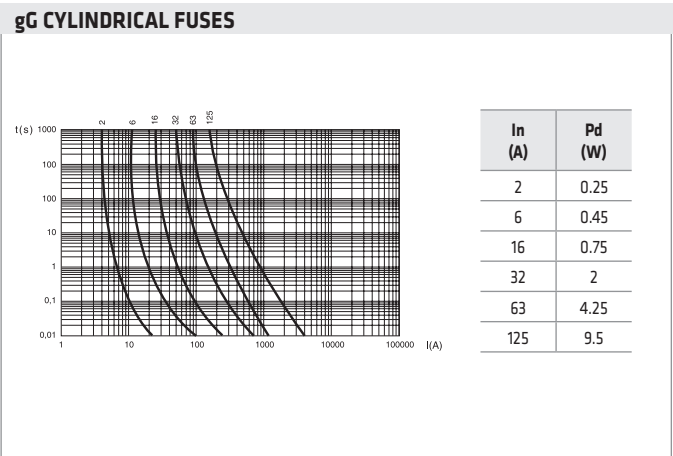
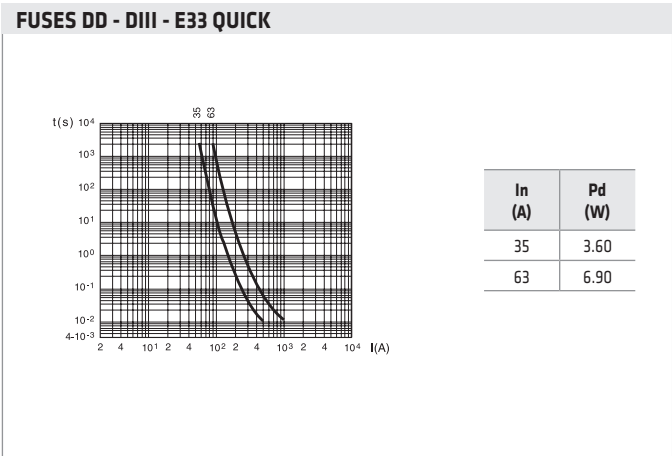
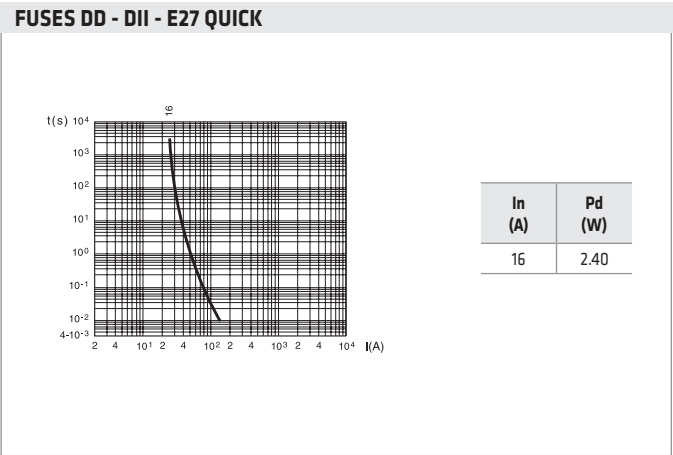
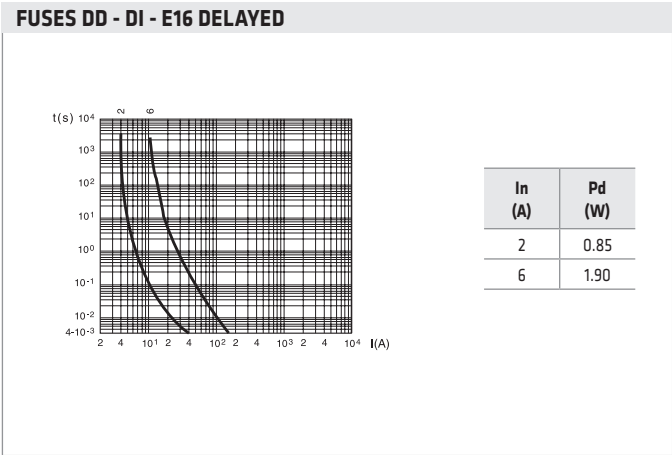
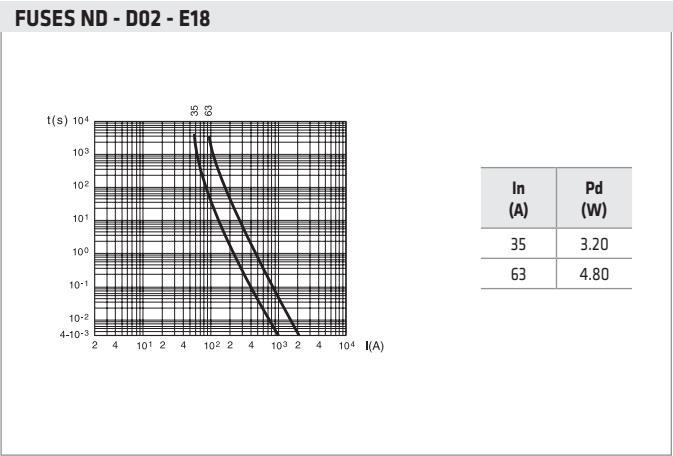
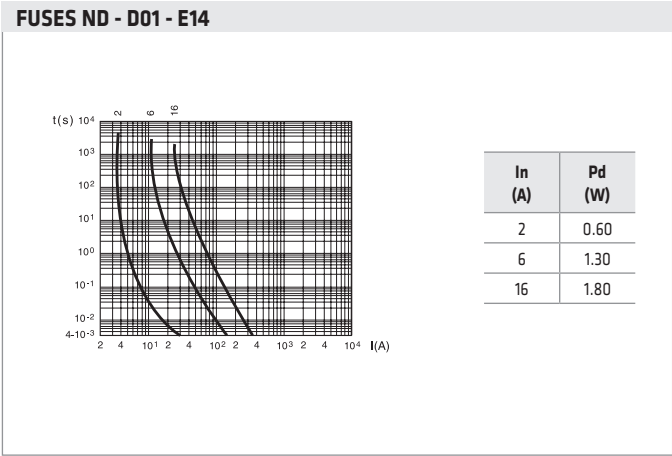


Fuses

NEOZED (ND), DIAZED (DD) and gG cylindrical-type fuses are available in the sizes shown in the table below.
The range is completed with gauges to facilitate the correct use of all the fuses.

| Reference Standards | Cartridge | | Rated voltage Un (V) | Rated current In (A) | I²t pre-arc time at 0.01s | | Breaking capacity (kA) | Rated dispersible power Pdu (W) | |
|--|-----------------------|------------|----------------------|----------------------|---------------------------|---------------|------------------------|---------------------------------|--|
| | Type | Ø x L (mm) | | | minimum (A2s) | maximum (A2s) | | | |
| EN 60269-1 EN 60269-1 EN 60269-3 | ND - D01 E14 | 11 x 36 | 380 | 2 | - | - | > 50 | 0.60 | |
| | | | | 6 | - | - | | 1.30 | |
| | | | | 16 | 300 | 1000 | | 1.80 | |
| | ND - D02 E18 | 15 x 36 | | 35 | 1800 | 5000 | | 3.20 | |
| | | | | 63 | 9000 | 27000 | | 4.80 | |
| | DD - DI / E18 delayed | 13 x 50 | 500 | 2 | - | - | | 0.85 | |
| | | | | 6 | - | - | | 1.90 | |
| | DD - DII / E27 quick | 22 x 50 | | 16 | 300 | 1000 | | 2.40 | |
| | DD - DIII / E33 quick | 28 x 50 | | 35 | 1800 | 5000 | | 3.60 | |
| | | | | 63 | 9000 | 27000 | | 6.90 | |
| | gG cylindrical | 10.3 x 38 | | 2 | - | - | 100 | 0.25 | |
| | | 10.3 x 38 | | 6 | - | - | | 0.45 | |
| | | 10.3 x 38 | | 16 | 300 | 1000 | | 0.75 | |
| | | 10.3 x 38 | 400 | 32 | 1800 | 5000 | | 2 | |
| | | 14 x 51 | 500 | 32 | 1800 | 5000 | | 2 | |
| | | 22 x 58 | | 63 | 9000 | 27000 | | 4.25 | |
| | | 22 x 58 | | 125 | 46000 | 140000 | | 9.5 | |

Tripping characteristics and dispersible power of the fuses



IEC 309 combined boards

68 Q-DIN

DISTRIBUTION BOARDS



pag. 1092

68 ACS

ACS DISTRIBUTION BOARD SYSTEM FOR CONSTRUCTION SITES


































pag. 1112























68 Q-MC

ENERGY AND SERVICE DISTRIBUTION PEDESTALS



68 Q-DIN

| Unwired versions | | | | |
|--|----------------------|-------------|---|---|
| Type | No. EN 50022 modules | Code | Layout | Pre-arrangement |
|  | 5 | GW 68 017 N |  | 1 IEC 309 socket-outlet 16A IP44/67 or GW 27 401 or GW 27 403 watertight cap |
| | | GW 68 018 N |  | 2 IEC 309 socket-outlets 16A IP44/67 or GW 27 401 or GW 27 403 watertight caps |
| | | GW 68 001 N |  | 3 IEC 309 socket-outlets 16A IP44/67 or GW 27 401 or GW 27 403 watertight caps |
| | | GW 68 031 N | | 3 IEC 309 socket-outlets 16A IP44/67 or GW 27 401 or GW 27 403 watertight caps and shockproof case |
| | | GW 68 020 N |  | 2 IEC 309 socket-outlets 16-32A IP44/67 or GW 27 401 or GW 27 403 watertight caps |
| | | GW68026N |  | 4 domestic socket std 50x50mm IP54 |
| | | GW68032N | | 4 domestic socket std 50x50mm IP54 and shockproof case |
|  | 10 | GW 68 002 N |  | Blank |
| | | GW 68 003 N |  | 2 IEC 309 socket-outlets 16A max 3P+E IP44/67 or GW 27 401 watertight caps 2 IEC 309 socket-outlets 16-32A IP44/67 or GW 27 401 or GW 27 403 watertight caps |
| | | GW 68 019 N |  | 2 horizontal interlocked switched socket-outlets 16-32A IP44 with rotary switch |
| | | GW 68 025 N |  | 2 vertical interlocked switched socket-outlets 16-32A IP67 |
| | | GW68027N |  | 3 domestic socket std 50x50mm IP54 2 IEC 309 socket-outlets 16-32A IP44/67 |
|   | 14 | GW 68 004 N |  | Blank |
| | | GW 68 005 N |  | 3 IEC 309 socket-outlets 16-32A IP44/67 or GW 27 401 watertight caps |
| | | GW 68 006 N |  | 2 horizontal interlocked switched socket-outlets 16-32A IP44 with rotary switch |
| | | GW 68 007 N |  | Blank |
| | | GW 68 008 N |  | 6 IEC 309 socket-outlets 16-32A IP44/67 or GW 27 401 or GW 27 403 watertight caps |
| | | GW 68 009 N |  | 4 horizontal interlocked switched socket-outlets 16-32A IP44 with rotary switch |
| | | GW 68 010 N |  | 3 vertical interlocked switched socket-outlets 16-32A IP67 |
|  | 20 | GW 68 012 N |  | Blank |
| | | GW 68 013 N |  | 8 IEC 309 socket-outlets 16-32A IP44/67 or GW 27 401 or GW 27 403 watertight caps |
| | | GW 68 021 N |  | 4 IEC 309 socket-outlets 16-32A IP44/67 or GW 27 401 or GW 27 403 watertight caps 2 IEC 309 socket-outlets 63A |
| | | GW 68 014 N |  | 4 horizontal interlocked switched socket-outlets 16-32A IP44 with fuse-holder base |
| | | GW 68 015 N |  | 4 vertical interlocked switched socket-outlets 16-32A IP67 4 IEC 309 socket-outlets 2P+E 16 IP44/67 or GW 27 401 or GW 27 403 watertight caps |
| | | GW 68 022 N |  | 2 vertical interlocked switched socket-outlets 16-32A IP67 1 vertical interlocked switched socket-outlet 63A IP67 |
|  | 14 | GW 68 023 N |  | 14 gang additional module |
| | 20 | GW 68 024 N |  | 20 gang additional module |

| Wired versions | | | | | | | |
|--|----------------------|-------------|---|--|-------------|---|---|
| Type | No. EN 50022 modules | Code | Layout | Equipment | Code | Layout | Equipment |
|  | 5 | GW 68 212 N |  DBO | 1 domestic socket-outlet 13A UK | GW 68 227 N |  DBO | 1 IEC 309 - socket-outlet 2P+E 16A IP44 230V |
| | | GW 68 225 N |  DBO | 1 IEC 309 socket-outlet 2P+E 16A IP44 230V 1 Schuko domestic socket-outlet 10/16A | GW 68 226 N |  DBO | 1 IEC 309 socket-outlet 2P+E 16A IP44 230V 1 IEC 309 socket-outlet 3P+E 16A IP44 400V |
| | | GW 68 224 N |  DBO | 1 IEC 309 socket-outlet 2P+E 16A IP44 230V 1 IEC 309 socket-outlet 3P+E 16A IP44 400V 1 Schuko domestic socket-outlet 10/16A | | | |
|   | 10 | GW 68 202 N |  DBO | 2 GW IEC 309 2P+T 16A IP44 230V 1 IEC 309 socket outlet 3P+E 16A IP44 400V 1 domestic socket-outlet 10/16A Schuko | GW 68 228 N |  DBO | 1 IEC 309 socket-outlet 2P+E 16A IP44 230V 1 IEC 309 socket-outlet 3P+E 16A IP44 400V 1 IEC 309 socket-outlet 3P+N+E 16A IP44 400V 1 Schuko domestic socket-outlet 10/16A |
| | | GW 68 232 N |  DBO | 2 vert.interl.socket-outlets 2P+E 16A IP67 230V with rotary switch | GW 68 233 N |  DBO | 1 vert.interl.socket-outlet 2P+E 16A IP67 230V 1 vert.interl.socket-outlet 3P+E 16A IP67 400V with rotary switch |
|   | 14 | GW 68 205 N |  DBO | 2 IEC 309 socket-outlets 2P+E 16A IP67 230V 1 IEC 309 socket-outlet 3P+E 16A IP67 400V | | | |
| | | GW 68 229 N |  DBO | 2 IEC 309 socket-outlets 2P+E 16A IP44 230V 1 IEC 309 socket-outlet 3P+E 16A IP44 400V 1 IEC 309 socket-outlet 3P+N+E 16A IP44 400V 1 Schuko domestic socket-outlet 10/16A | GW 68 206 N |  ACS | 2 German domestic socket-outlets 16A 2 IEC 309 socket-outlets 2P+E 16A IP44 230V 2 IEC 309 socket-outlets 3P+E 16A IP44 400V with H07 RN-F 25m cable, plug 3P+N+E 16A IP44 400V and metal support carriage with cable winder drum |
| | | GW 68 206 N |  DBO | 2 vert. interlocked switched socket-outlets 2P+E 16A IP67 230V 2 vert. interlocked switched socket-outlets 3P+E 16A IP67 400V with rotary switch | GW 68 230 N |  DBO | 2 AUTOMATIKA vert. interlocked switched socket-outlets 2P+E 16A IP67 230V 1 AUTOMATIKA vert. interlocked switched socket-outlet 3P+N+E 16A IP67 400V |
| | | GW 68 231 N |  DBO | 1 AUTOMATIKA vert. interlocked switched socket-outlet 2P+E 16A IP67 230V 2 AUTOMATIKA vert. interlocked switched socket-outlets 3P+N+E 16A IP67 400V | | | |
|  | 20 | GW 68 208 N |  DBO | 2 vert. interlocked switched socket-outlets 2P+E 16A IP67 230V 1 vert. interlocked switched socket-outlet 3P+E 16A IP67 400V 1 vert. interlocked switched socket-outlet 3P+E 32A IP67 400V with rotary switch | | | |

68 Q-DIN

Distribution boards

A complete system of IP65 boards for distributing energy in tertiary, commercial sector and building applications, available both empty and pre-wired, in accordance with the international standard IEC 61439. The Q-DIN range comprises boards from 5 to 20 DIN modules, plus supplementary modules of 14 or 20 M to add even more DIN spaces. They can accommodate flush-mounting socket-outlets and interlocked socket-outlets of up to 63 A, and they can be combined with numerous accessories.

Technical characteristics page 1105



EMPTY BOARDS FOR MOBILE AND FIXED INSTALLATIONS

Q-DIN 5 - SURFACE-MOUNTING - IP65



GW 68 017N



GW 68 018N



GW 68 001N
GW 68 031N



GW 68 020N



GW68026N
GW68032N



GW 68 001 N

Q-DIN 5 WATERTIGHT BOARDS - UNWIRED - RAL 7035 - IP65

| Code | Houseable socket | No. of provided blank lids | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|-----------------------------------|--------------------------------|--------------------------------|-------------------------|-------------------------|-------------|
| No. of modules EN 50022: 5 | | | | | |
| GW 68 017 N | 1 IEC 309 16A IP44/67 | - | 10 | 37 | 16 |
| GW 68 018 N | 2 IEC 309 16A IP44/67 | - | 10 | 37 | 12 |
| GW 68 001 N | 3 IEC 309 16A IP44/67 | 1 IEC 16A | 10 | 37 | 8 |
| GW 68 031 N | 3 IEC 309 16A IP44/67 | 1 IEC 16A | 10 | 37 | 4 |
| GW 68 020 N | 2 IEC 309 16/32A IP44/67 | 1 IEC 16/32A | 10 | 37 | 8 |
| GW 68 026 N | 4 domestic socket std.50x50 mm | 1 domestic socket std.50x50 mm | 10 | 37 | 8 |
| GW 68 032 N | 4 domestic socket std.50x50 mm | 1 domestic socket std.50x50 mm | 10 | 37 | 4 |

ACCESSORIES SUPPLIED: cable clamp and 2 screw caps. GW68031N complete with rubber shockproof case. Adapter flange for every IEC 309 socket-outlet housing seat - 16/32 A.

NOTES: key not installable. Dispersible power (B) is calculated according to IEC 60890 standard. It refers to the 40 K overtemperature, between the temperature inside and outside the board. The IP65 degree of protection is obtained with blank flange lid installed correctly on all the seats of the unwired board.

External dimensions GW68017N (LxHxD): 105x258x96 mm.

External dimensions GW68018N (LxHxD): 105x337x96 mm.

External dimensions GW68001N and GW68020N (LxHxD): 105x430x96 mm.

External dimensions GW68031N (LxHxD): 140x560x105 mm.

Halogen-Free in accordance with Standard EN 60754-2.

Q-DIN 10 - SURFACE-MOUNTING - IP65



GW 68 002N



GW 68 025N



GW 68 003N



GW 68 019N



GW68027N



GW 68 025 N

Q-DIN 10 WATERTIGHT BOARDS - UNWIRED - RAL 7035 - IP65

| Code | Houseable socket | No. of provided blank lids | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|------------------------------------|---|----------------------------|-------------------------|-------------------------|-------------|
| No. of modules EN 50022: 10 | | | | | |
| GW 68 002 N | Blank lid | - | 16 | 42 | 6 |
| GW 68 025 N | 2 IB Vert. 16-32A IP67 | 1 IB 16/32A | 16 | 42 | 6 |
| GW 68 003 N | 2 IEC 16A + 2 IEC 16/32A | 1 IEC 309 16A+1 16/32A | 16 | 42 | 6 |
| GW 68 019 N | 2 IB Horiz. 16/32A SBF IP44 overlapping | 1 IB 16/32A | 16 | 42 | 6 |
| GW 68 027 N | 3 dom.socket 50x50 mm + 2 IEC 16/32 A | 1 domestic + 1 IEC 16 A | 16 | 42 | 6 |

ACCESSORIES SUPPLIED: cable clamp and 4 screw caps. Adapter flange for every IEC 309 socket-outlet housing seat - 16/32 A.

NOTES: Dispersible power (B) is calculated according to IEC 60890 standard. It refers to the 40K overtemperature, between the temperature inside and outside the board.

GW68003N: pre-arranged for two 16-32 A socket-outlets in the lower flanges and two 16A socket-outlets in the upper flanges. The IP65 degree of protection is obtained with blank flange lid installed correctly on all the seats of the unwired board.

External dimensions (LxHxD): 220x435x96.

Halogen-Free in accordance with Standard EN 60754-2.

Q-DIN 14 - SURFACE-MOUNTING - IP65



GW 68 004N



GW 68 005N



GW 68 006N



GW 68 005 N

Q-DIN 14 WATERTIGHT BOARDS - UNWIRED - RAL 7035 - IP65

| Code | Houseable socket | No. of provided blank lids | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|------------------------------------|--|----------------------------|-------------------------|-------------------------|-------------|
| No. of modules EN 50022: 14 | | | | | |
| GW 68 004 N | Blank lid | - | 24 | 64 | 4 |
| GW 68 005 N | 3 IEC 309 16/32A IP44/67 | 1 IEC 16/32A | 24 | 64 | 4 |
| GW 68 006 N | 2 IB Horiz. 16/32A SBF IP44 side by side | 1 IB 16/32A | 24 | 64 | 4 |

ACCESSORIES SUPPLIED: cable clamp and 4 screw caps. Adapter flange for every IEC 309 socket-outlet housing seat - 16/32 A.

NOTES: Dispersible power (B) is calculated according to IEC 60890 standard. It refers to the 40K overtemperature, between the temperature inside and outside the board. The IP65 degree of protection is obtained with blank flange lid installed correctly on all the seats of the unwired board.

External dimensions (LxHxD): 320x360x120.

Halogen-Free in accordance with Standard EN 60754-2.

Q-DIN 14 - SURFACE-MOUNTING - IP65



GW 68 007N



GW 68 008N



GW 68 009N



GW 68 010N



GW 68 008 N

Q-DIN 14 WATERTIGHT BOARDS - UNWIRED - RAL 7035 - IP65

| Code | Houseable socket | No. of provided blank lids | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|------------------------------------|-----------------------------|----------------------------|-------------------------|-------------------------|-------------|
| No. of modules EN 50022: 14 | | | | | |
| GW 68 007 N | Blank lid | - | 24 | 64 | 3 |
| GW 68 008 N | 6 IEC 309 16/32A IP44/67 | 2 IEC 16/32A | 24 | 64 | 3 |
| GW 68 009 N | 4 IB Horiz. 16/32A SBF IP44 | 2 IB 16/32A | 24 | 64 | 3 |
| GW 68 010 N | 3 IB Vert. 16/32A IP67 | 1 IB 16/32A | 24 | 64 | 3 |

ACCESSORIES SUPPLIED: cable clamp and 4 screw caps. Adapter flange for every IEC 309 socket-outlet housing seat - 16/32 A.

NOTES: Dispersible power (B) is calculated according to IEC 60890 standard. It refers to the 40K overtemperature, between the temperature inside and outside the board. The IP65 degree of protection is obtained with blank flange lid installed correctly on all the seats of the unwired board.

External dimensions (LxHxD): 320x510x120.

Halogen-Free in accordance with Standard EN 60754-2.

Q-DIN 20 - SURFACE-MOUNTING - IP65



GW 68 012N



GW 68 013N



GW 68 014N



GW 68 021N



GW 68 014 N

Q-DIN 20 WATERTIGHT BOARDS - UNWIRED - RAL 7035 - IP65

| Code | Houseable socket | No. of provided blank lids | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|------------------------------------|----------------------------------|----------------------------|-------------------------|-------------------------|-------------|
| No. of modules EN 50022: 20 | | | | | |
| GW 68 012 N | Blank lid | - | 30 | 92 | 2 |
| GW 68 013 N | 8 IEC 309 16/32A IP44/67 | 2 IEC 16/32A | 30 | 92 | 2 |
| GW 68 014 N | 4 IB Horiz. 16/32A CBF IP44 | 2 IB 16/32A | 30 | 92 | 2 |
| GW 68 021 N | 2 IEC 309 63A - 4 IEC 309 16/32A | 2 IEC 309 16/32A+1 63A | 30 | 92 | 2 |

ACCESSORIES SUPPLIED: cable clamp and 6 screw caps. Adapter flange for every IEC 309 socket-outlet housing seat - 16/32 A.

NOTES: Dispersible power (B) is calculated according to IEC 60890 standard. It refers to the 40K overtemperature, between the temperature inside and outside the board. The IP65 degree of protection is obtained with blank flange lid installed correctly on all the seats of the unwired board.

External dimensions (LxHxD): 450x560x120.

Halogen-Free in accordance with Standard EN 60754-2.

68 Q-DIN

Q-DIN 20 - SURFACE-MOUNTING - IP65



GW 68 015N



GW 68 022N



GW 68 015 N

Q-DIN 20 WATERTIGHT BOARDS - UNWIRED - RAL 7035 - IP65

| Code | Houseable socket | No. of provided blank lids | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|------------------------------------|--|----------------------------|-------------------------|-------------------------|-------------|
| No. of modules EN 50022: 20 | | | | | |
| GW 68 015 N | 4IB 16/32A IP67 + 4 IEC MAX 3P+E 16A | 2 IB 16/32A + 4 IEC 16A | 30 | 92 | 2 |
| GW 68 022 N | 1 IB Vert. 63A IP67 + 2 IB Vert. 16/32A IP67 | 1 IB 16/32A | 30 | 92 | 2 |

ACCESSORIES SUPPLIED: cable clamp and 6 screw caps.

NOTES: Dispersible power (B) is calculated according to IEC 60890 standard. It refers to the 40K overtemperature, between the temperature inside and outside the board.

GW68015N: the 4 flanges - measuring 85x75 - can be equipped with the COMBI-IN GW27401 and GW27403 watertight covers. The IP65 degree of protection is obtained with blank flange lid installed correctly on all the seats of the unwired board.

External dimensions (LxHxD): 450x560x120.

Halogen-Free in accordance with Standard EN 60754-2.

ADDITIONAL Q-DIN MODULES - IP65



GW 68 023N



GW 68 024N



GW 68 023 N

ADDITIONAL Q-DIN MODULES - RAL 7035 - IP65

| Code | No. of modules EN 50022 | Dispersible power (W) | Pack Carton |
|--------------------|-------------------------|-----------------------|-------------|
| GW 68 023 N | 14 | 40 | 1/3 |
| GW 68 024 N | 20 | 52 | 1/3 |

NOTES: to be used with Q-DIN 14 and 20 M to double the DIN modules available. the dispersible power is calculated according to the document IEC 60890 (CEI 17-43) and refers to an overtemperature of 40K between the air temperature inside the board and in the room.

External dimensions GW68023N (LxHxD): 320x241x120.

External dimensions GW68024N (LxHxD): 450x241x120.

Halogen-Free in accordance with Standard EN 60754-2.

COMPLEMENTARY ITEMS



GW 68 431

YELLOW-PAINTED METAL CONDUIT SUPPORT WITH SUPPORT FOR CABLES OF UP TO 20 M

| Code | Outer dim. LxHxD (mm) | For distribution board type | Pack Carton |
|-----------|--------------------------|--------------------------------|----------------|
| GW 68 431 | 350x715x435 | Q-DIN 10 | 1 |
| GW 68 433 | 350x770x520 | Q-DIN 14/20 | 1 |

NOTES: the type of cable considered is H 07 RN - F 5 x 4 mm²; the length varies according to the type of cable.
GW68433: Q-DIN protection system against the front drops.

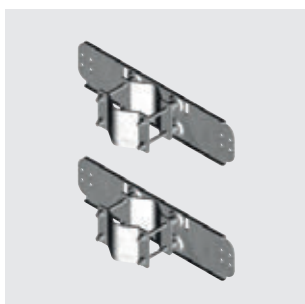


GW 68 432

METAL CARRIER PAINTED IN YELLOW EQUIPPED WITH TWO WHEELS AND ROTATING DRUM TO WIND UP TO 50 M OF CABLE

| Code | Outer dim. LxHxD (mm) | For distribution board type | Pack Carton |
|-----------|--------------------------|--------------------------------|----------------|
| GW 68 432 | 495x1000x605 | Q-DIN 14/20 | 1 |

NOTES: the type of cable considered is H 07 RN - F 5 x 4 mm²; the length varies according to the type of cable. 1+1 flanges for socket-outlets IEC 309 16A and 32A.



GW 46 552

POLE SUPPORT KIT FOR 68 Q-DIN BOARDS

| Code | For Q-DIN | Max sustainable load (kg) | Pack Carton |
|-----------|-----------|------------------------------|----------------|
| GW 46 552 | 14 | 12 | 1 |
| GW 46 553 | 20 | 125 | 1 |

CHARACTERISTICS: fixed on the back of the boards. The maximum sustainable load values refer to Q-DIN boards.

APPLICATIONS: for application of boards on poles from 60 to 80mm.

ACCESSORIES SUPPLIED: 2 pieces. For the correct use of the kit, see the instructions sheet.



GW 46 446

BRACKETS FOR FIXING BOARDS TO THE WALL

| Code | Material | For Q-DIN | Accessories supplied | Pack Carton |
|-----------|------------------|-----------|----------------------------|----------------|
| GW 44 621 | Insulation | 5 | Self-tapping fixing screws | 40/480 |
| GW 46 446 | Galvanised steel | 10/14/20 | Self-tapping fixing screws | 20 |
| GW 46 451 | Stainless steel | 10/14/20 | Self-tapping fixing screws | 20 |

NOTES: GW44621: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.

GW46446 and GW46451: set composed of 4 brackets. Maximum sustainable load 8 kg for Q-DIN10, 12 kg for Q-DIN14 and 15 kg for Q-DIN20.



GW 62 393

DOMESTIC SOCKET OUTLET - IP54



| Code | No. of poles | Rated current | Rated voltage | Colour | Frequency | Flange dimensions (mm) | Pack Carton |
|-------------------------|--------------|---------------|---------------|--------|-----------|------------------------|-------------|
| Standard: German | | | | | | | |
| GW 62 393 | 2P+E | 16 A | 230 V | ■ | 50/60 Hz | 50x50 | 1/20 |
| GW 62 392 | 2P+E | 16 A | 200-250 V | ■ | 50/60 Hz | 85x75 | 1/12 |
| Standard: French | | | | | | | |
| GW 62 394 | 2P+E | 16 A | 230 V | ■ | 50/60 Hz | 50x50 | 1/20 |

CHARACTERISTICS: domestic socket-outlets equipped with child protection (shutter) and with rear connection.

NOTES: domestic socket-outlets 50x50 mm can be installed also on flanges 85x75 mm using the adapter code GW68281.



GW 74 361

ROUND MUSHROOM-HEAD EMERGENCY PUSH-BUTTON - MUSHROOM Ø 40MM

| Code | Functions | Characteristics | Pack Carton |
|-----------|--------------|-----------------|-------------|
| GW 74 361 | With holding | Not illuminated | 10/60 |

APPLICATION: suitable for emergency use, in accordance with Standard IEC 60947-5-5.

SUPPLIED: 3-seat flange (2 of which are contact-holders).



CONTACTS - ITH=10A - 250V AC

| Code | Type | Colour | Pack Carton |
|-----------|-------------|--------|-------------|
| GW 74 501 | 1 NO | Green | 1/30 |
| GW 74 502 | 1 NC | Red | 1/30 |
| GW 74 503 | 2 NO | Green | 1/30 |
| GW 74 504 | 1 NO + 1 NC | White | 1/30 |
| GW 74 505 | 2 NC | Red | 1/30 |

CHARACTERISTICS: GW74502 suitable for contact opening also in the event of slight sticking, in compliance with Standard EN 60947-5-1.

Clip assembly on the contact-holder flanges.

NOTES: the dual contacts type: GW74503, GW74504 and GW74505 are not compatible with the watertight emergency enclosures GW42204 and GW42207.



GW 40 422

CYLINDRICAL SECURITY LOCK

| Code | Material | For distribution board type | Pack Carton |
|-----------|-------------------------|---------------------------------------|-------------|
| GW 40 422 | Pressure die-cast metal | Q-DIN 10/14/20 and additional modules | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



GW 68 436 N

Q-DIN TRANSPORTATION HANDLE

| Code | Description | For distribution board type | Pack Carton |
|-------------|-------------|---------------------------------------|-------------|
| GW 68 436 N | Handle | Q-DIN 10/14/20 and additional modules | 1/10 |



GW 68 292

BLANK LIDS FOR CLOSING COMPARTMENT CONTAINING IEC AND IB VERTICAL SOCKET-OUTLETS

| Code | Description | Dimensions LxH (mm) | Pack Carton |
|-------------|---|---------------------|-------------|
| GW 68 292 | Lid for IEC 309 16A | 85x75 | 1/10 |
| GW 68 293 | Lid for IEC 309 32A | 95x80 | 1/10 |
| GW 68 294 | Lid for IEC 309 63A | 110x100 | 1/10 |
| GW 66 703 N | Lid for vertical interlocked socket-outlet 16-32A | 220x103 | 1/10 |
| GW 66 705 N | Lid for vertical interlocked socket-outlet 63A | 270x145 | 1/10 |
| GW 68 296 | Lid for domestic socket outlet 50x50 mm | 50x50 | 1/10 |



GW 66 702

BLANK LIDS FOR CLOSING COMPARTMENT CONTAINING IB HORIZONTAL SOCKET-OUTLETS

| Code | For distribution boards | For back boxes | For flush-mounting boxes | Pack Carton |
|-----------|-------------------------|----------------|--------------------------|-------------|
| GW 66 701 | GW68006N/09N/19N | GW66676 | GW66681 - GW66681PM | 1/10 |
| GW 66 702 | GW68014N | GW66677 | GW66682 - GW66682PM | 1/10 |



GW 66 709 N

FLANGED LID PREARRANGED FOR 2 CAPS - IP67

| Code | Houseable IB socket-outlets | Pack Carton |
|-------------|---|-------------|
| GW 66 709 N | N. 1 IEC 309 16-32A IP44/67 + N.1 16A MAX 3P+E or GW274 | 1/10 |

APPLICATIONS: the flange of 85x75 mm dimension is suited for mounting IEC 309 16 A socket-outlets and COMBI-IN GW27401 and GW27403 flange; the flange of 95x80 mm dimension is suited for IEC 309 16 -32 A socket-outlets.

ACCESSORIES SUPPLIED: 1 blank flange - blue - 16 A; 1 blank flange - blue 16 -32 A; 3 gaskets and fixing screws.

68 Q-DIN



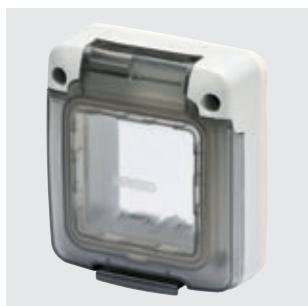
GW 66 715 N

ADAPTER

| Code | Suitable for | Pack Carton |
|-------------|-------------------------------------|-------------|
| GW 66 715 N | IP67 16/32A vertical socket-outlets | 1/10 |
| GW 66 716 N | IP67 63A Vertical socket-outlets | 1/10 |
| GW 68 281 | Domestic socket outlet std.50x50 mm | 1/10 |

APPLICATIONS: GW66715N to assemble all the vertical socket-outlets 16-32 A IP67 of the 67 IB range on the Q-DIN boards, or on the modular bases of the previous versions for socket-outlets 16-32 A CBF IP55.

GW66716N to assemble the vertical socket-outlets 63A IP67 of the 67 IB range on the modular bases of the previous versions for socket-outlets 63A CBF IP55.



GW 27 403

COMBI-IN WATERTIGHT COVERS FOR 2 SYSTEM RANGE MODULES

| Code | Dimensions LxH (mm) | Door type | IP degree | Colour | Pack Carton |
|-----------|---------------------|---------------|-----------|---------------|-------------|
| GW 27 401 | 75x85 | With membrane | IP55 | Grey RAL 7035 | 3/60 |
| GW 27 403 | 75x85 | Rigid IK09 | IP65 | Grey RAL 7035 | 3/60 |

NOTES: they are installed in the same seat of IEC 309 socket-outlets - 16 A IP44/67

ACCESSORIES SUPPLIED: gasket and mounting screws.



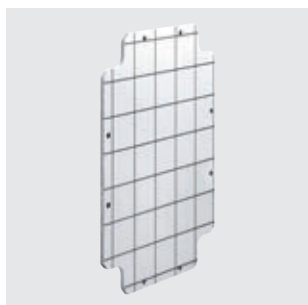
GW 66 745

WATERTIGHT LIDS

| Code | Dimensions LxH (mm) | Suitable for | Colour | Pack Carton |
|-----------|---------------------|-----------------------------|--------|-------------|
| GW 66 708 | 85x75 | 1 Button Ø22 mm Range 74 PS | Grey | 1/20 |
| GW 66 745 | 85x75 | 1 Button Ø22 mm Range 74 PS | Yellow | 1/20 |

APPLICATIONS: GW66745 specific for emergency push-buttons.

ACCESSORIES SUPPLIED: gasket and mounting screws.



GW 44 626

BACK-MOUNTING PLATE IN INSULATED MATERIAL WITH SELF-TAPPING FIXING SCREWS

| Code | For Q-DIN | Pack Carton |
|-----------|-----------|-------------|
| GW 44 626 | 10 | 20 |
| GW 44 627 | 14 | 20 |
| GW 44 628 | 20 | 4 |

NOTE: to be installed on the base of the Q-DIN, for inserting DIN rails/terminal blocks/components.



GW 40 412 B

INSULATED SCREW TERMINAL BLOCK BIPOLAR AND UNIPOLAR FOR ENCLOSURES AND BOARDS

| Code | Pole 1 (mm²) | Pole 2 (mm²) | Suitable for | Fastener to supports | Pack Carton |
|---|----------------------|----------------------|-----------------|-------------------------|----------------|
| Type: Bipolar - Rated current 125 A | | | | | |
| GW 40 401 | N (1x35) + (7x10) | E (1x35) + (7x10) | Q-DIN 10/14/20 | With screws | 10 |
| GW 40 402 | N (3x35) + (10x10) | E (3x35) + (10x10) | Q-DIN 14/20 | With screws and/or clip | 10 |
| Type: Bipolar - Rated current 80 A - IP20 | | | | | |
| GW 40 408 B | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | Q-DIN 10/14/20 | With screws | 1/10 |
| GW 40 412 B | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | Q-DIN 14/20 | With screws and/or clip | 1/10 |
| Type: Unipolar - Rated current 80 A - IP20 | | | | | |
| GW 40 408 U | N/E (2x16) + (7x10) | | Q-DIN 10/14/20 | With screws | 1/10 |
| GW 40 412 U | N/E (3x16) + (11x10) | | Q-DIN 14/20 | With screws and/or clip | 1/10 |
| GW 40 422 U | N/E (3x16) + (29x10) | | Q-DIN 14/20 | With screws and/or clip | 1/10 |

ACCESSORIES SUPPLIED: fixing screws. The 80 A terminal blocks are equipped with N and E labels to be placed on the respective spaces to identify the poles.
CHARACTERISTICS: GWT 960°C according to EN60695-2-11.
INSTALLATION: the installation of the GW40401, GW40408B and GW40408U terminal blocks on Q-DIN 14/20 boards is permitted by using the GW40413 adapter.



GW 40 413

ADAPTERS FOR SCREW TERMINAL BLOCKS

| Code | Suitable for | Fastener to supports | Pack Carton |
|-----------|-----------------|----------------------|----------------|
| GW 40 413 | Q-DIN 14/20 | With screws | 20 |

ACCESSORIES SUPPLIED: fixing screws.
CHARACTERISTICS: the adapter is pre-drilled for the correct assembly of the terminal block.
INSTALLATION: permits installation of the GW40401, GW40408B and GW40408U terminal blocks on Q-DIN 14/20 boards.



GW 66 673

COUPLING FOR 68Q-DIN BOARDS - IP65

| Code | Description | Pack Carton |
|-----------|--------------|----------------|
| GW 66 673 | Coupler PG29 | 10/120 |

SURFACE-MOUNTING FOR COMBIBLOC COMPACT SOCKET-OUTLETS IP44 - IP54



GW 66 493

EMPTY BOARDS FOR FIXED COMPACT SOCKET-OUTLETS

| Code | No. IB socket-outlets houseable | No. of modules EN 50022 | No. of blank lids supplied | Dispersible power (W) | Pack Carton |
|-----------|------------------------------------|----------------------------|-------------------------------|--------------------------|----------------|
| GW 66 491 | 1 COMBIBLOC 16/32A | 4 | None | 10 | 1/12 |
| GW 66 492 | 2 COMBIBLOC 16/32A | 8 | 1 | 13 | 1/6 |
| GW 66 493 | 3 COMBIBLOC 16/32A | 12 | 1 | 24 | 1/4 |

CHARACTERISTICS: the transparent door is pre-arranged for the GW40422 security lock.

ACCESSORIES SUPPLIED: sealing gaskets for COMBIBLOC socket-outlets.



GW 68 295

BLANK COVERS FOR COMBIBLOC INTERLOCKED SWITCHED SOCKET-OUTLETS

| Code | Dimensions LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 68 295 | 132x71 | 1/10 |

ACCESSORIES SUPPLIED: sealing gasket and 4 fixing screws.



GW 40 412 B

INSULATED SCREW TERMINAL BLOCK BIPOLAR AND UNIPOLAR FOR ENCLOSURES AND BOARDS

| Code | Pole 1 (mm ²) | Pole 2 (mm ²) | Suitable for | Fastener to supports | Pack Carton |
|---|------------------------------|------------------------------|---------------------|-------------------------|----------------|
| Type: Bipolar - Rated current 125 A | | | | | |
| GW 40 401 | N (1x35) + (7x10) | E (1x35) + (7x10) | GW66492 and GW66493 | With screws | 10 |
| GW 40 402 | N (3x35) + (10x10) | E (3x35) + (10x10) | GW66493 | With screws and/or clip | 10 |
| Type: Bipolar - Rated current 80 A - IP20 | | | | | |
| GW 40 408 B | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | GW66492 and GW66493 | With screws | 1/10 |
| GW 40 412 B | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | GW66493 | With screws and/or clip | 1/10 |
| Type: Unipolar - Rated current 80 A - IP20 | | | | | |
| GW 40 408 U | N/E (2x16) + (7x10) | | GW66492 and GW66493 | With screws | 1/10 |
| GW 40 412 U | N/E (3x16) + (11x10) | | GW66493 | With screws and/or clip | 1/10 |
| GW 40 422 U | N/E (3x16) + (29x10) | | GW66493 | With screws and/or clip | 1/10 |

ACCESSORIES SUPPLIED: fixing screws. The 80 A terminal blocks are equipped with N and E labels to be placed on the respective spaces to identify the poles.

CHARACTERISTICS: GWT 960°C according to EN60695-2-11.

INSTALLATION: the installation of the GW40401, GW40408B and GW40408U terminal blocks on the GW66493 board is permitted by using the GW40413 adapter.



GW 40 413

ADAPTERS FOR SCREW TERMINAL BLOCKS

| Code | Suitable for | Fastener to supports | Pack Carton |
|-----------|-----------------|----------------------|----------------|
| GW 40 413 | GW66493 | With screws | 20 |

ACCESSORIES SUPPLIED: fixing screws.

CHARACTERISTICS: the adapter is pre-drilled for the correct assembly of the terminal block.

INSTALLATION: it permits installation of the GW40401, GW40408B and GW40408U terminal blocks on the GW66493 board.






WIRED BOARDS FOR FIXED APPLICATIONS

SURFACE-MOUNTING



GW 68 226 N

WIRED Q-DIN 5 DBU BOARDS WITH IEC 309 SOCKET-OUTLETS - IP44

| |  |  |  |  |  |
|-------------|---|---|---|---|---|
| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | Schuko socket-outlet 10/16A | UK socket-outlet 13A | Pack Carton |
| GW 68 212 N | | | | 1 | 1/8 |
| GW 68 224 N | 1 | 1 | 1 | | 1/2 |
| GW 68 225 N | 1 | | 1 | | 1/6 |
| GW 68 226 N | 1 | 1 | | | 1/6 |
| GW 68 227 N | 1 | | | | 1/8 |

PROTECTIONS:

GW68212N: Board In: 10A

1 RCCB - SD Range 2P 230 V 25 A 0,03 A - AC Type

GW68224N: Board In: 13A

1 RCBO - MDC Range 4P 400 V 16 A C 6 kA 0,03 A - AC Type

GW68225N: Board In: 13A

1 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0,03 A - AC Type

GW68226N: Board In: 25A

1 MCB - MTC Range 2P 230 V 16 A C 6 kA

1 MCB - MTC Range 3P 400 V 16 A C 6 kA

GW68227N: Board In: 13A

1 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0,03 A - AC Type







ACCESSORIES SUPPLIED: cable clamp and 2 screw caps.

NOTE: products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.



GW 68 202 N

WIRED Q-DIN 10 DBU BOARDS WITH IEC 309 SOCKET-OUTLETS - IP44

|  |  EN 62208 |  16A |  16A |  16A |  16A | |
|---|---|--|--|--|--|--|
| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | Socket-outlet 3P+N+E 16A - IEC 309 | Schuko socket-outlet 10/16A | Pack Carton | |
| GW 68 202 N | 2 | 1 | | 1 | 1/3 | |
| GW 68 228 N | 1 | 1 | 1 | 1 | 1/3 | |

PROTECTIONS:

GW68202N: Board In: 25A

1 MCB - MTC Range 2P 230 V 16 A C 6 kA

1 MCB - MTC Range 3P 400 V 16 A C 6 kA

GW68228N: Board In: 25A

2 MCB - MTC Range 2P 230 V 16 A C 6 kA

1 MCB - MTC Range 4P 400 V 16 A C 6 kA





ACCESSORIES SUPPLIED: cable clamp and 4 screw caps.

NOTE: products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.



GW 68 233 N

WATERTIGHT Q-DIN 10 ASD BOARDS WIRED WITH VERTICAL INTERLOCKED SWITCHED SOCKET-OUTLETS - IP65

| | | | |
|---|---|---|---|
|  |  |  |  |
| Code | Socket-outlet 2P+E 16A - IB | Socket-outlet 3P+E 16A - IB | Pack Carton |
| GW 68 232 N | 2 | | 1/2 |
| GW 68 233 N | 1 | 1 | 1/2 |

PROTECTIONS:

GW68232N: Board In: 25 A.

2 MCB - MT Range 2P 230 V 16 A C 6 kA.

GW68233N: Board In: 25 A.

1 MCB - MT Range 2P 230 V 16 A C 6 kA.





1 MCB - MT Range 3P 400 V 16 A C characteristic 6 kA.

ACCESSORIES SUPPLIED: cable clamp and 4 screw caps.



GW 68 205 N

WIRED Q-DIN 14 DBU BOARD WITH IEC 309 SOCKET-OUTLETS - IP65








|  |  |  |  | |
|---|---|---|---|----------------|
| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | | Pack Carton |
| GW 68 205 N | 2 | 1 | | 1/3 |

Board In: 25A
PROTECTIONS:
2 MCB - MTC Range 2P 230 V 16 A C 6 kA
1 MCB - MTC Range 3P 400 V 16 A C 6 kA
ACCESSORIES SUPPLIED: cable clamp and 4 screw caps.
NOTE: products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.



GW 68 229 N

WIRED Q-DIN 14 DBU BOARD WITH IEC 309 SOCKET-OUTLETS - IP44






| | | | | | | | |
|---|---|---|---|---|---|---|--|
|  |  |  |  |  |  |  | |
| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | Socket-outlet 3P+N+E 16A - IEC 309 | Socket-out 3P+E 32A - IEC309 | Schuko socket-outlet 16A | Pack Carton | |
| GW 68 229 N | 2 | 1 | 1 | 1 | 1 | 1 | |

Board In: 50A
PROTECTIONS: 1 MCB - MTC Range 2P 230 V 16 A C 6 kA for the 2P+E 16 A 230 V and the 10/16 A IT/DE 230 V domestic socket-outlets
1 MCB - MTC Range 4P 400 V 16 A C 6 kA for the 3P+E 16 A 400 V and 3P+N+E 16 A 400 V socket-outlets
1 MCB - MTC Range 3P 400 V 32 A C 6 kA for the 3P+E 32 A 400 V socket-outlet
ACCESSORIES SUPPLIED: cable clamp and 4 screw caps.
NOTE: products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.



GW 68 206 N

WIRED, Q-DIN 14 DBU BOARD WITH HORIZONTAL INTERLOCKED SOCKET-OUTLETS - IP44






|  |  |  |  |  | |
|---|---|---|---|---|----------------|
| Code | Socket-outlet 2P+E 16A - IB | Socket-outlet 3P+E 16A - IB | | Socket-out 3P+E 32A - IB | Pack Carton |
| GW 68 206 N | 2 | 1 | | 1 | 1 |

Board In: 50A
PROTECTIONS: Board with horizontal interlocked switched socket-outlets 44 IB
1 MCB - MTC Range 2P 230 V 16 A C 6 kA
1 MCB - MTC Range 3P 400 V 16 A C 6 kA
1 MCB - MTC Range 3P 400 V 32 A C 6 kA
ACCESSORIES SUPPLIED: cable clamp and 4 screw caps.
NOTE: products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.



GW 68 207 N

WIRED Q-DIN 14 DBU BOARDS WITH VERTICAL INTERLOCKED SOCKET-OUTLETS - IP65






|  |  |  |  |  | |
|---|---|---|---|---|----------------|
| Code | Socket-outlet 2P+E 16A - IB | Socket-outlet 3P+E 16A - IB | Socket-outlet 3P+N+E 16A - IB | | Pack Carton |
| GW 68 207 N | 2 | 1 | | | 1 |
| GW 68 230 N | 2 | | 1 | | 1 |
| GW 68 231 N | 1 | | 2 | | 1 |

PROTECTIONS:
GW68207N: Board In: 25A
2 MCB - MTC Range 2P 230 V 16 A C 6 kA
1 MCB - MTC Range 3P 400 V 16 A C 6 kA
GW68230N: Board In: 25A
1 RCCB - SD Range 4P 400 V 40 A 0,03 A - AC Type
2 MCB - MT Range 2P 230 V 16 A C 6 kA
1 MCB - MT Range 4P 400 V 16 A C 6 kA
GW68231N: Board In: 32A
1 RCCB - SD Range 4P 400 V 40 A 0,03 A - AC Type
1 MCB - MT Range 2P 230 V 16 A C 6 kA
2 MCB - MT Range 4P 400 V 16 A C 6 kA
CHARACTERISTICS: GW68230N and GW68231N board equipped with AUTOMATIKA sockets.
ACCESSORIES SUPPLIED: cable clamp and 4 screw caps.
NOTE: products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.



GW 68 208 N

WIRED Q-DIN 20 DBU BOARD
WITH VERTICAL INTERLOCKED SOCKET-OUTLETS AND 4 FLANGES FOR NON-INTERLOCKED SOCKET-OUTLETS 16A - IP65

| <div><div></div></div> | | | | |
|---|--------------------------------|--------------------------------|-----------------------------|----------------|
| Code | Socket-outlet 2P+E 16A - IB | Socket-outlet 3P+E 16A - IB | Socket-out 3P+E 32A - IB | Pack Carton |
| GW 68 208 N | 2 | 1 | 1 | 1 |




Board In: 50A
PROTECTIONS: 2 MCB - MTC Range 2P 230 V 16 A C 6 kA
1 MCB - MTC Range 3P 400 V 16 A C 6 kA
1 MCB - MTC Range 3P 400 V 32 A C 6 kA
ACCESSORIES SUPPLIED: cable clamp and 6 screw caps.
NOTE: products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.

SURFACE-MOUNTING WITH COMBIBLOC COMPACT SOCKET-OUTLETS



GW 66 391

WIRED COMBIBLOC BOARD WITH COMPACT INTERLOCKED SOCKET-OUTLETS - IP44






| <div><div></div></div> | | | |
|---|--------------------------------|--------------|----------------|
| Code | Socket-outlet 2P+E 16A - IB | IP degree | Pack Carton |
| GW 66 391 | 1 | IP44 | 1/2 |

Board In: 14A
PROTECTIONS: 1 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0,03 A - AC Type



GW 66 392

WIRED COMBIBLOC BOARDS WITH COMPACT INTERLOCKED SOCKET-OUTLETS - IP44/IP55







| <div><div></div></div> | | | | | |
|---|--------------------------------|--------------------------------|----------------------------------|--------------|----------------|
| Code | Socket-outlet 2P+E 16A - IB | Socket-outlet 3P+E 16A - IB | Socket-outlet 3P+N+E 16A - IB | IP degree | Pack Carton |
| GW 66 392 | 1 | 1 | | IP44 | 1/2 |
| GW 66 393 | 1 | | 1 | IP55 | 1/2 |

PROTECTIONS:
GW66392: Board In: 25A
1 MCB - MTC Range 2P 230 V 16 A C 6 kA
1 MCB - MTC Range 3P 400 V 16 A C 6 kA
GW66393: Board In: 25A
1 MCB - MTC Range 2P 230 V 16 A C 6 kA
1 MCB - MTC Range 4P 400 V 16 A C 6 kA.



GW 66 394

WIRED COMBIBLOC BOARDS WITH COMPACT INTERLOCKED SOCKET-OUTLETS - IP44/IP55

| <div><div></div></div> | | | | | | |
|--|--------------------------------|--------------------------------|----------------------------------|-----------------------------|--------------|----------------|
| Code | Socket-outlet 2P+E 16A - IB | Socket-outlet 3P+E 16A - IB | Socket-outlet 3P+N+E 16A - IB | Socket-out 3P+E 32A - IB | IP degree | Pack Carton |
| GW 66 394 | 1 | 1 | 1 | | IP44 | 1 |
| GW 66 395 | 2 | 1 | | | IP55 | 1 |
| GW 66 396 | 1 | 1 | | 1 | IP44 | 1 |
| GW 66 397 | 1 | 1 | 1 | | IP55 | 1 |

PROTECTIONS:
GW66394: Board In: 20A
1 RCCB - SD Range 4P 400 V 25 A 0,03 A - AC Type
1 MCB - MTC Range 2P 230 V 16 A C 6 kA
1 MCB - MTC Range 4P 400 V 16 A C 6 kA
GW66395: Board In: 20A
1 RCCB - SD Range 4P 400 V 25 A 0,03 A - AC Type
1 MCB - MTC Range 2P 230 V 16 A C 6 kA
1 MCB - MTC Range 3P 400 V 16 A C 6 kA
GW66396: Board In: 50A
1 MCB - MTC Range 2P 230 V 16 A C 6 kA
1 MCB - MTC Range 3P 400 V 16 A C 6 kA
1 MCB - MTC Range 3P 400 V 32 A C 6 kA
GW66397: Board In: 38A
1 MCB - MTC Range 2P 230 V 16 A C 6 kA
1 MCB - MTC Range 3P 400 V 16 A C 6 kA
1 MCB - MTC Range 4P 400 V 16 A C 6 kA.

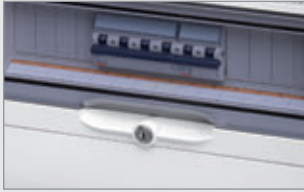
68 Q-DIN

WIDE AND CONFIGURABLE RANGE



The power distribution board range is made up of 26 empty casings with IP65 degree of protection, for flush-mounted and interlocked socket-outlets up to 63A, and with numerous complementary items that increase the fields of application.

INNOVATIVE TECHNICAL SOLUTIONS



The boards have many innovative technical features, such as the ergonomic handle, which simplifies the opening of the door, and the screws to "hinge" the front facilitating wiring. Additional enclosures 14 and 20M modules are also available, ideal for increasing the modular space.

COUNTLESS ACCESSORY COMBINATIONS



The boards can be equipped with a key lock with a metal cylinder and mushroom emergency button. They can be fixed to a pole, surface-mounted, flush-mounted or on accident prevention mobile supports.

Energy and data distribution boards for protected, watertight, domestic and industrial socket-outlets. Can be used in the commercial and industrial sectors, and in construction sites.

Technical data and compliance with Standards

| Board type | Reference Standards | Degree of protection (IP) | Protection against indirect contacts | Impact resistance at ambient temperature (IK code) | Heat resistance | Resistance to abnormal heat and fire |
|--------------------------------------|---------------------------------------|---------------------------|--------------------------------------|--|--------------------------------|---|
| | | | | | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
| Q-DIN 5-10-14-20 empty | EN 60670-1 EN 60670-24 EN 62208 | IP 65 | | IK 08 (empty version IK09) | 70 | 650 |
| Q-DIN 5-10-14-20 factory-wired (DBO) | EN 61439-3 | IP 44 / IP 65 | | IK 09 (external case) IK 08 (domestic sockets) | | 850 (active parts) 650 (passive parts) |

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

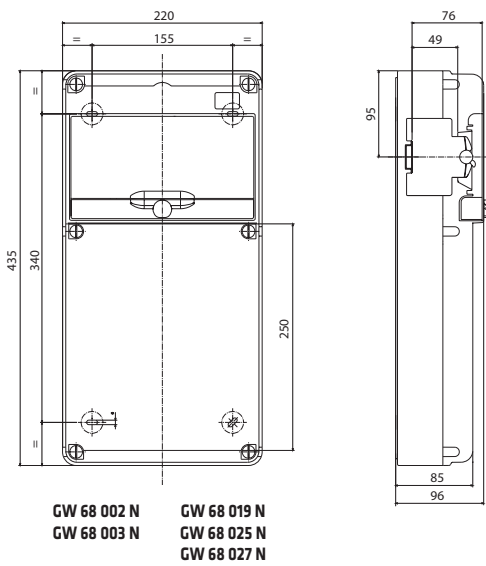
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------|--------------------|-----------|--------------|-----------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Alcohol | | |
| Resistant | Limited resistance | Resistant | Resistant | Resistant | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

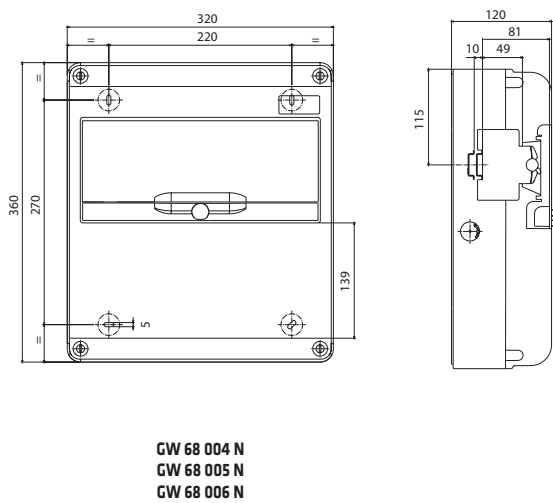
| Q - DIN 5 BOARDS | | | |
|------------------|-------------|--|--|
| | | | |
| GW 68 017 N | GW 68 018 N | GW 68 001 N GW 68 020 N (*) GW 68 026 N (**) | |

(*) GW68020N can house 2 IEC 16/32A.
(**) GW68026N can house 4 50x50 mm socket outlet.

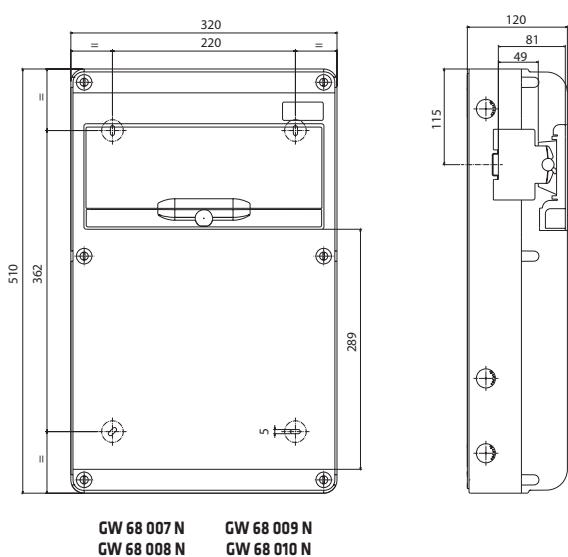
Q - DIN 10 BOARDS



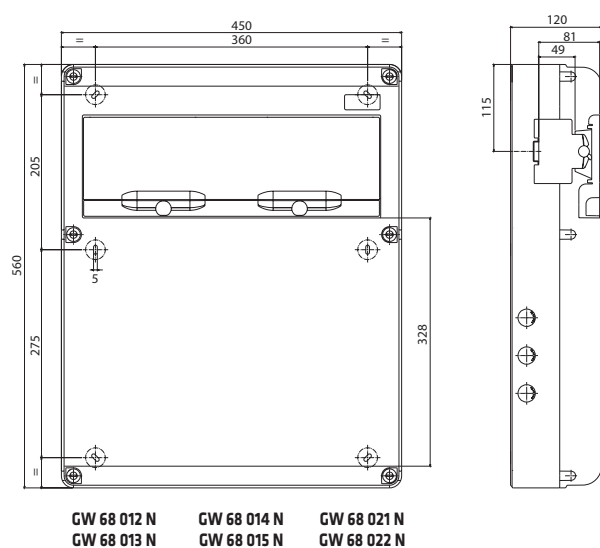
Q - DIN 14 BOARDS



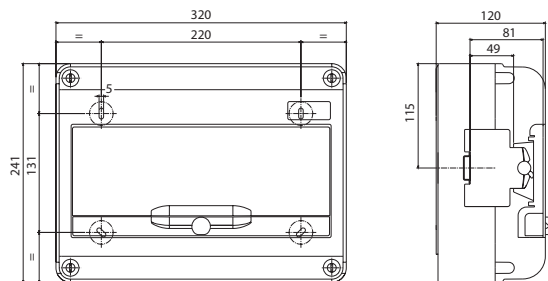
Q - DIN 14 BOARDS



Q - DIN 20 BOARDS

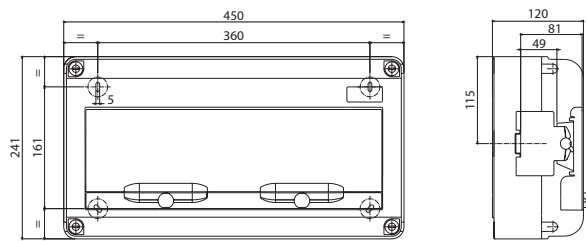


ADDITIONAL 14M MODULE



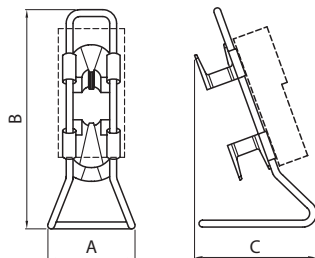
GW 68 023 N

ADDITIONAL 20M MODULE



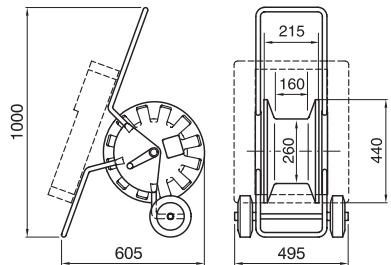
GW 68 024 N

SUPPORT FOR Q - DIN



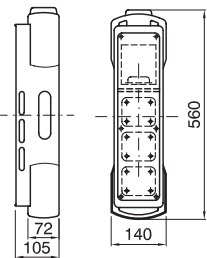
| CODE | FOR Q-DIN | A | B | C |
|-----------|-----------|-----|-----|-----|
| GW 68 431 | 10 | 350 | 715 | 435 |
| GW 68 433 | 14-20 | 350 | 964 | 520 |

SUPPORT FOR Q - DIN 14 AND 20



GW 68 432

SHOCKPROOF CASING FOR
Q - DIN 5 WATERTIGHT BOARDS



FOR
Q-DIN 5 BOARDS

GW 68 001 N

GW 68 224 N


GW 68 217 N

GW 68 031 N



GW 68 223 N

68 ACS

68 QP ACS - WIRED MAIN BOARDS FOR CONSTRUCTION SITES


| TYPE | DOOR | MAIN SWITCH | | | EMERGENCY KIT | POWER MAX (KW) | CODE |
|---|-------|-------------|--------|--|---------------|----------------|-----------|
| | | N° OF POLES | In (A) | PROTECTION DEVICE | | | |
|  | Blind | 4 | 125 | MCB 125A 4P C 10kA + RCD adjustable - A Type | YES | 65 | GW 68 521 |
| | | 4 | 160 | MCCB 160A 4P C 16kA + ADD ON RCD "L" SHAPED adjustable | YES | 85 | GW 68 526 |
| | | 4 | 250 | MCCB 250A 4P C 36kA + ADD ON RCD "L" SHAPED adjustable | YES | 130 | GW 68 531 |









68 Q-BOX ACS - WIRED DISTRIBUTION BOARDS FOR CONSTRUCTION SITES

| TYPE | TOTAL N. SOCKET OUTLETS | SOCKET-OUTLETS CONFIGURATION | | | | | | | | | MAIN RCBO | | EMERGENCY KIT | POWER MAX (KW) | |
|--|-------------------------|------------------------------|----------------|----------------|------------------|----------------|----------------|------------------|----------------|------------------|-------------|--------|---------------|----------------|--|
| | | 16A std. DE | 16A 2P+E 230 V | 16A 3P+E 400 V | 16A 3P+N+E 400 V | 32A 2P+E 230 V | 32A 3P+E 400 V | 32A 3P+N+E 400 V | 63A 3P+E 400 V | 63A 3P+N+E 400 V | N° OF POLES | In (A) | | | |
|   | 4 | | 4 | | | | | | | | 2 | 32 | YES | 6 | |
| | | | 3 | 1 | | | | | | | 4 | 32 | YES | 17 | |
| | | | 2 | 2 | | | | | | | 4 | 32 | YES | 17 | |
| | | | 2 | 1 | 1 | | | | | | 4 | 32 | YES | 17 | |
| | | | 3 | | | 1 | | | | | 2 | 63 | YES | 12 | |
| | | | 3 | | | | 1 | | | | 4 | 32 | YES | 17 | |
| | | | 3 | | | | | 1 | | | 4 | 32 | YES | 17 | |
| | | | 2 | 1 | | | 1 | | | | 4 | 32 | YES | 17 | |
| | | | 2 | | 1 | | | 1 | | | 4 | 32 | YES | 17 | |
| | | | 2 | 1 | | | | 1 | | | 4 | 32 | YES | 17 | |
| | 5 | | 1 | 2 | | | 1 | | | | 4 | 32 | YES | 17 | |
| | | | 2 | 3 | | | | | | | 4 | 63 | YES | 33 | |
| | | | 3 | 1 | | | 1 | | | | 4 | 63 | YES | 33 | |
| | | | 3 | 1 | | | | 1 | | | 4 | 63 | YES | 33 | |
| | | | 2 | 2 | | | 1 | | | | 4 | 63 | YES | 33 | |
| | | | 2 | 2 | | | | 1 | | | 4 | 63 | YES | 33 | |
| | | | 2 | 1 | 1 | | | 1 | | | 4 | 63 | YES | 33 | |
| | | | 2 | 1 | | | 1 | | 1 | | 4 | 63 | YES | 33 | |
| | 6 | | 2 | 1 | | | 1 | | 1 | | 4 | 80 | YES | 42 | |
| | | | 2 | | 1 | | | 1 | | 1 | 4 | 80 | YES | 42 | |
| | | | 6 | | | | | | | | 2 | 32 | YES | 6 | |
| | | | 4 | 2 | | | | | | | 4 | 32 | YES | 17 | |
| | | | 3 | 3 | | | | | | | 4 | 32 | YES | 17 | |
| | | | 3 | 2 | 1 | | | | | | 4 | 32 | YES | 17 | |
| | | | 3 | 2 | | | 1 | | | | 4 | 63 | YES | 33 | |
| | | | 3 | 2 | | | | 1 | | | 4 | 63 | YES | 33 | |
| | | | 3 | | 2 | | | 1 | | | 4 | 63 | YES | 33 | |
| | | | 3 | 1 | 1 | | 1 | | | | 4 | 63 | YES | 33 | |
| | | | 3 | 1 | 1 | | | 1 | | | 4 | 63 | YES | 33 | |
| | | | 2 | 3 | | | 1 | | | | 4 | 63 | YES | 33 | |
| | | | 2 | 2 | | | 1 | 1 | | | 4 | 63 | YES | 33 | |
| | | | 2 | 1 | 1 | | 1 | 1 | | | 4 | 63 | YES | 33 | |
| | | | 2 | 2 | | | 2 | | | | 4 | 63 | YES | 33 | |
| | | | 2 | | 2 | | | 2 | | | 4 | 63 | YES | 33 | |
| | | | 2 | 1 | | | | 3 | | | 4 | 63 | YES | 33 | |
| | | | 3 | | | | | 2 | | 1 | 4 | 100 | YES | 53 | |
| | | | 2 | | | | | 2 | | 2 | 4 | 100 | YES | 53 | |
| | 8 | | 4 | 3 | | | | 1 | | | 4 | 63 | YES | 33 | |
| | 9 | 4 | 2 | 2 | | | | 1 | | | 4 | 63 | YES | 33 | |
| | 11 | 4 | 3 | 2 | | | | 1 | | 1 | 4 | 100 | YES | 53 | |
| | 12 | | 6 | 3 | 1 | | | 2 | | | 4 | 63 | YES | 33 | |
| | | | 12 | | | | | | | | 2 | 63 | YES | 12 | |
| | | | 6 | 6 | | | | | | | 4 | 63 | YES | 33 | |






(*) Versions where n.2 sockets-outlets 16A 2P+E are type IEC 309 (not interlocked)

68 CDK ACS - WIRED MAIN BOARDS FOR CONSTRUCTION SITES





| TYPE | DOOR | MAIN SWITCH | | | EMERGENCY KIT | POWER MAX (KW) | CODE |
|---|-------------|-------------|--------|--|---------------|----------------|-----------|
| | | N° OF POLES | In (A) | PROTECTION DEVICE | | | |
|  | Transparent | 4 | 32 | RCBO 32A 4P C 6kA 0,03A - AC Type | YES | 17 | GW 68 536 |
| | | 4 | 63 | RCBO 63A 4P C 6kA 0,03A - AC Type | YES | 33 | GW 68 537 |
| | | 4 | 100 | MCB 100A 4P C 10kA + RCD 0,03A - AC Type | YES | 53 | GW 68 538 |
| | | 4 | 125 | MCB 125A 4P C 10kA + RCD 0,03A - AC Type | YES | 65 | GW 68 539 |

| | SOCKETS TYPE | | | | | COMPLMENTARY ITEMS | |
|--|---------------------------------------|-------------------|------------------------------------|-------------------|-----------------------|---|--|
| | INTERLOCKED WITHOUT FUSE HOLDER (SBF) | | INTERLOCKED WITH FUSE HOLDER (CBF) | | FIXED IEC 309 | | |
| | SUPPLY TERMINAL BLOCK | SUPPLY FIXED PLUG | SUPPLY TERMINAL BLOCK | SUPPLY FIXED PLUG | SUPPLY TERMINAL BLOCK | | |
| | GW 68 561 | GW 68 584 | GW 68 561 F | GW 68 584 F | |  | Security lock GW 46 445 |
| | GW 68 562 | GW 68 481 | GW 68 562 F | GW 68 481 F | | | |
| | GW 68 563 | GW 68 482 | GW 68 563 F | GW 68 482 F | | | |
| | GW 68 564 | GW 68 585 | GW 68 564 F | | | | |
| | GW 68 511 | | GW 68 511 F | | | | |
| | GW 68 565 | | GW 68 565 F | | |  | floor mounting support GW68463 |
| | GW 68 566 | | GW 68 566 F | | | | |
| | GW 68 537 | GW 68 586 | GW 68 567 F | GW 68 586 F | | | |
| | GW 68 538 | | GW 68 568 F | | | | |
| | GW 68 569 | GW 68 587 | GW 68 569 F | GW 68 587 F | | | |
| | GW 68 570 | GW 68 588 | GW 68 570 F | GW 68 588 F | | | |
| | GW 68 512* | | GW 68 512 F | | | | |
| | GW 68 571* | GW 68 589* | GW 68 571 F | GW 68 589 F | | | |
| | GW 68 572 | GW 68 590* | GW 68 572 F | GW 68 590 F | | | |
| | GW 68 513* | GW 68 483* | GW 68 513 F | GW 68 483 F | | | |
| | GW 68 573 | GW 68 592* | GW 68 573 F | GW 68 592 F | | | |
| | GW 68 514* | GW 68 484* | GW 68 514 F | GW 68 484 F | | | |
| | GW 68 574* | GW 68 593* | | | |  | Pole support kit (only for Q-BOX4) GW 46 554 |
| | | | GW 68 574 F | | | | |
| | | | GW 68 498 F | | | | |
| | GW 68 575 | GW 68 594 | GW 68 575 F | GW 68 594 F | | | |
| | GW 68 576 | GW 68 595 | GW 68 576 F | GW 68 595 F | |  | Plug-socket outlets block GW 68 505 |
| | GW 68 577 | GW 68 473 | GW 68 577 F | GW 68 473 F | | | |
| | GW 68 578 | GW 68 596 | GW 68 578 F | GW 68 596 F | | | |
| | GW 68 493 | GW 68 471 | GW 68 493 F | GW 68 471 F | | | |
| | GW 68 579 | GW 68 597 | GW 68 579 F | GW 68 597 F | |  | Document holder wallet GW 46 447 |
| | | GW 68 598 | | GW 68 598 F | | | |
| | GW 68 580 | | GW 68 580 F | | | | |
| | GW 68 581 | | | | | | |
| | GW 68 582 | GW 68 472 | GW 68 582 F | GW 68 472 F | |  | Plug-socket outlets block GW 68 505 |
| | GW 68 583 | GW 68 599 | GW 68 583 F | GW 68 599 F | | | |
| | GW 68 492 | | | | | | |
| | GW 68 494 | GW 68 600 | GW 68 494 F | GW 68 600 F | | | |
| | GW 68 491 | GW 68 474 | GW 68 491 F | | |  | Document holder wallet GW 46 447 |
| | GW 68 495 | | | | | | |
| | GW 68 496 | | | | | | |
| | GW 68 497 | | | | | | |
| | GW 68 542 | | | | |  | Document holder wallet GW 46 447 |
| | GW 68 541 | | | | | | |
| | GW 68 543 | | | | | | |
| | GW 68 544 | | | | | | |
| | | | | | GW 68 468 | | |
| | | | | | GW 68 469 | | |

68 Q-DIN ACS - WIRED MOBILE BOARDS FOR CONSTRUCTION SITES

| TYPE | TOTAL N. SOCKET OUTLETS | IP DEGREE | SOCKET-OUTLETS CONFIGURATION | | | | | | | |
|---|-------------------------|-----------|------------------------------|-------------|----------------|----------------|------------------|----------------|------------------|--|
| | | | 16A std. DE | 16A 2P 24 V | 16A 2P+E 230 V | 16A 3P+E 400 V | 16A 3P+N+E 400 V | 32A 3P+E 400 V | 32A 3P+N+E 400 V | |
| Q-DIN    | 2 | IP65 | | 2 | | | | | | |
| | 3 | IP44 | 1 | | 2 | | | | | |
| | | IP65 | | | 3 | | | | | |
| | | IP65 | | | 3 | | | | | |
| | | IP65 | | | 2 | 1 | | | | |
| | | IP65 | | | 1 | 2 | | | | |
| | | IP65 | | | | 3 | | | | |
| | 4 | IP44 | 2 | | 2 | | | | | |
| | | IP44 | 1 | | 2 | 1 | | | | |
| | | IP65 | | | 4 | | | | | |
| | | IP65 | | | 3 | 1 | | | | |
| | | IP65 | | | 3 | | 1 | | | |
| | | IP65 | | | 2 | 2 | | | | |
| | | IP65 | | | | 4 | | | | |
| | | IP65 | | | 2 | 1 | | 1 | | |
| | | IP65 | | 2 | 2 | | | | | |
| | 6 | IP65 | | | 6 | | | | | |
| | | IP65 | | | 4 | 2 | | | | |
| | | IP65 | | | 3 | 3 | | | | |
| | | IP65 | | | 3 | 2 | | 1 | | |
| | | IP44 | 2 | | 2 | 2 | | | | |
| | 8 | IP44 | 2 | | 2 | 2 | | 2 | | |
| COMBIBLOC  | 3 | IP55 | | | 2 | | 1 | | | |
| | | IP55 | | | 1 | | 1 | | 1 | |
| QMC  | 6 | IP56 | | | 2 | 1 | 2 | | 1 | |
| | 7 | IP56 | | | 7 | | | | | |
| | | IP56 | | | 4 | 1 | 1 | | 1 | |

(*) NOTE Version GW68223N with yellow shockproof case versions GW68401N, GW66388 ad GW68389 with metal conduit support versions GW68411N, GW68421N and GW68424N equipped with metal conduit carriage with two wheels

| | MAIN RCBO | | EMERGENCY KIT | POWER MAX (KW) | SOCKET TYPE | | COMPLMENTARY ITEMS |
|--|-------------|--------|---------------|----------------|---------------------------------------|---------------|---|
| | N° OF POLES | In (A) | | | INTERLOCKED WITHOUT FUSE HOLDER (SBF) | FIXED IEC 309 | |
| | 2 | 16 | - | 3 | GW 68 235 N | |  <p>Security lock GW 40 422 (Q-DIN 10/14/20)</p>  <p>floor mounting support GW 68 431 (Q-DIN 10)</p> <p>GW 68 433 (Q-DIN 14/20)</p>  <p>Metal Carrier with two wheels GW 68 432 (Q-DIN 14/20)</p>  <p>Metallic transportation handle GW 68 436 N (Q-DIN 10/14/20)</p> |
| | 2 | 16 | - | 3 | | GW 68 241N | |
| | 2 | 16 | - | 3 | | GW 68 217 N | |
| | 2 | 16 | - | 3 | | GW 68 223 N* | |
| | 4 | 16 | - | 8 | | GW 68 242 N | |
| | 4 | 16 | - | 8 | | GW 68 243 N | |
| | 4 | 16 | - | 8 | | GW 68 244 N | |
| | 2 | 16 | - | 3 | | GW 68 203 N | |
| | 4 | 16 | - | 8 | | GW 68 401 N* | |
| | 2 | 16 | - | 3 | | GW 68 216 N | |
| | 4 | 16 | - | 8 | | GW 68 245 N | |
| | 4 | 16 | - | 8 | | GW 68 246 N | |
| | 4 | 16 | - | 8 | | GW 68 204 N | |
| | 4 | 16 | - | 8 | | GW 68 247 N | |
| | 4 | 63 | - | 33 | GW 68 424 N* | | |
| | 2 | 16 | - | 3 | GW 68 236 N | | |
| | 4 | 16 | - | 8 | | GW 68 248 N | |
| | 4 | 32 | - | 17 | | GW 68 249 N | |
| | 4 | 32 | - | 17 | | GW 68 250 N | |
| | 4 | 32 | - | 17 | | GW 68 251 N | |
| | 4 | 32 | - | 17 | | GW 68 411 N* | |
| | 4 | 32 | - | 17 | | GW 68 421 N* | |
| | 4 | 40 | - | 21 | GW 66 388* | | |
| | 4 | 40 | - | 21 | GW 66 389* | | |
| | 4 | 50 | YES | 26 | | GW 68 884 A | |
| | 4 | 40 | YES | 21 | | GW 68 881 A | |
| | 4 | 50 | YES | 26 | | GW 68 883 A | |

68 ACS

ACS distribution board system for construction sites

The 68 ACS range is composed of an extensive selection of wired boards which are certified in accordance with the Standard EN 61439-4, and are capable of meeting all electrification requirements, from the smallest to the biggest construction sites. The boards are available in numerous configurations that differ in terms of number and type of socket-outlet, protected by MCB or fuse holder base. A selection of ready to use pre-wired or empty versions is available, and these can be personalised to suit all site needs and certified using GWENERGYpro software. The range is completed by a range of portable floodlights and luminous indicator devices.

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WIRED MAIN BOARDS FOR CONSTRUCTION SITES

68 CDK ACS - WATERTIGHT TERMOPLASTIC BOARDS



GW 68 537

WIRED BOARDS IN THERMOPLASTIC WITH TRANSPARENT DOOR EQUIPPED WITH LOCK - GREY RAL 7035

| Code | Outer dim. LxHxD (mm) | In/out power supply | MCB'S MT main RCCB | Power suppliable (kW) | Pack Carton |
|------------------------|--------------------------|------------------------|-----------------------|--------------------------|----------------|
| No. of poles: 4 | | | | | |
| GW 68 536 | ① 298x260x140 | PG29x2 | RCBO 32 A | 17 | 1 |
| GW 68 537 | ① 298x260x140 | PG36x2 | RCBO 63 A | 33 | 1 |
| GW 68 538 | ① 410x285x140 | PG36x2 | RCBO 100 A | 53 | 1 |
| GW 68 539 | ① 410x285x140 | PG42x2 | RCBO 125 A | 65 | 1 |

APPLICATIONS: Typical application: main boards for construction sites. It is installed downstream of the energy meter and protects the length of the cable from the main energy board to the secondary distribution boards.

ACCESSORIES SUPPLIED: Emergency push-button; PG-type cable glands for cable inlet and outlet; kit of 4 wall fixing brackets.

68 QP ACS - WATERTIGHT POLYESTER BOARDS



GW 68 526

WIRED POLYESTER BOARDS WITH BLANK DOOR EQUIPPED WITH LOCK - GREY RAL 7035

| Code | Outer dim. LxHxD (mm) | In/out power supply | Mains switch | RCCB protection | Power suppliable (kW) | Pack Carton |
|------------------------|--------------------------|------------------------|-----------------|------------------------------|--------------------------|----------------|
| No. of poles: 4 | | | | | | |
| GW 68 521 | 405x500x200 | 2xPG42 | MTHP125 | Side-by-side -adjustable | 60 | 1 |
| GW 68 526 | 405x500x200 | 2xPG42 | MTX 160c | "L" shape lowered adjustable | 75 | 1 |
| GW 68 531 | 515x650x250 | 8xPG29 | MTX 250 | "L" shape adjustable | 140 | 1 |

CHARACTERISTICS: The last modular row of the board should be reserved for the cable input / output terminals, the cable glands for cable input / output are positioned on the back of the boards.

APPLICATIONS: Typical application: main boards for construction sites. It is installed downstream of the energy meter and protects the length of the cable from the main energy board to the secondary distribution boards.

ACCESSORIES SUPPLIED: Transportation handle; mushroom-head emergency push-button connected to the minimum voltage release of the mains switch; PG-type cable glands for cable inlet and outlet; set of 4 surface-mounting fixing brackets in stainless steel; key-operated security locks with handle.

WIRED DISTRIBUTION BOARDS FOR CONSTRUCTION SITES

Q-BOX BOARD WITH SOCKETS IEC 309



GW 68 469

Q-BOX 4 - WIRED BOARDS WITH SOCKETS IEC 309 EQUIPPED WITH TERMINAL BLOCK - IP55

| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | Power suppliable (kW) | Pack Carton |
|-------------------------------|-------------------------------------|-------------------------------------|--------------------------|----------------|
| No. socket outlets: 12 | | | | |
| GW 68 468 | 12 | | 12 | 1 |
| GW 68 469 | 6 | 6 | 33 | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses.

ACCESSORIES SUPPLIED: Emergency push-button, terminal block, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 636x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..

Q-BOX BOARD WITH INTERLOCKED SOCKET-OUTLETS (SBF TYPE)



GW 68 511

Q-BOX 4 - WIRED BOARDS WITH INTERLOCKED SOCKETS EQUIPPED WITH TERMINAL BLOCK - IP55



| Code | 2P+E 16 A | 3P+E 16 A | 3P+N+E 16 A | 2P+E 32 A | 3P+E 32 A | 3P+N+E 32 A | Power suppliable (kW) | Pack Carton |
|------------------------------|--------------|--------------|----------------|--------------|--------------|----------------|--------------------------|----------------|
| No. socket outlets: 4 | | | | | | | | |
| GW 68 561 | 4 | | | | | | 6 | 1 |
| GW 68 562 | 3 | 1 | | | | | 17 | 1 |
| GW 68 563 | 2 | 2 | | | | | 17 | 1 |
| GW 68 564 | 2 | 1 | 1 | | | | 17 | 1 |
| GW 68 511 | 3 | | | 1 | | | 12 | 1 |
| GW 68 565 | 3 | | | | 1 | | 17 | 1 |
| GW 68 566 | 3 | | | | | 1 | 17 | 1 |
| GW 68 567 | 2 | 1 | | | 1 | | 17 | 1 |
| GW 68 568 | 2 | | 1 | | | 1 | 17 | 1 |
| GW 68 569 | 2 | 1 | | | | 1 | 17 | 1 |
| GW 68 570 | 1 | 2 | | | 1 | | 17 | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses.

ACCESSORIES SUPPLIED: Emergency push-button, terminal block, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 636x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 513

Q-BOX 4 - WIRED BOARDS WITH INTERLOCKED SOCKETS AND NOT INTERLOCKED SOCKETS (IEC 309) EQUIPPED WITH TERMINAL BLOCK - IP55



| Code | 2P+ E 16 A - IEC 309 | 2P+E 16 A | 3P+E 16 A | 3P+N+E 16 A | 3P+E 32 A | 3P+N+E 32 A | 3P+E 63 A | Pack Carton |
|------------------------------|-------------------------|--------------|--------------|----------------|--------------|----------------|--------------|----------------|
| No. socket outlets: 5 | | | | | | | | |
| GW 68 512 | 2 | | 3 | | | | | 1 |
| GW 68 571 | 2 | 1 | 1 | | 1 | | | 1 |
| GW 68 572 | 2 | 1 | 1 | | | 1 | | 1 |
| GW 68 513 | 2 | | 2 | | 1 | | | 1 |
| GW 68 573 | 2 | | 2 | | | 1 | | 1 |
| GW 68 514 | 2 | | 1 | 1 | | 1 | | 1 |
| GW 68 574 | 2 | | 1 | | 1 | | 1 | 1 |
| No. socket outlets: 8 | | | | | | | | |
| GW 68 542 | | 4 | 3 | | | 1 | | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses.

GW68542 equipped with interlocked sockets type COMBILOC IP55.

ACCESSORIES SUPPLIED: Emergency push-button, terminal block, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 636x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 541

Q-BOX 4 - WIRED BOARDS WITH INTERLOCKED SOCKETS AND DOMESTIC SOCKETS EQUIPPED WITH TERMINAL BLOCK - IP55



| Code | German Std socket-outlet 16 A | 2P+E 16 A | 3P+E 16 A | 3P+N+E 16 A | Power suppliable (kW) | Pack Carton |
|------------------------------|----------------------------------|--------------|--------------|----------------|--------------------------|----------------|
| No. socket outlets: 9 | | | | | | |
| GW 68 541 | 4 | | 2 | 2 | 1 | 33 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses.

ACCESSORIES SUPPLIED: Emergency push-button, terminal block, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 636x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 491

Q-BOX 6 - WIRED BOARDS WITH INTERLOCKED SOCKETS EQUIPPED WITH TERMINAL BLOCK - IP55



| Code | 2P+E 16 A | 3P+E 16 A | 3P+N+E 16 A | 3P+E 32 A | 3P+N+E 32 A | 3P+N+E 63 A | Power suppliable (kW) | Pack Carton |
|-------------------------------|--------------|--------------|----------------|--------------|----------------|----------------|--------------------------|----------------|
| No. socket outlets: 6 | | | | | | | | |
| GW 68 575 | 6 | | | | | | 6 | 1 |
| GW 68 576 | 4 | 2 | | | | | 17 | 1 |
| GW 68 577 | 3 | 3 | | | | | 17 | 1 |
| GW 68 578 | 3 | 2 | 1 | | | | 17 | 1 |
| GW 68 493 | 3 | 2 | | 1 | | | 33 | 1 |
| GW 68 579 | 3 | 2 | | | 1 | | 33 | 1 |
| GW 68 580 | 3 | 1 | 1 | 1 | | | 33 | 1 |
| GW 68 581 | 3 | 1 | 1 | | 1 | | 33 | 1 |
| GW 68 582 | 2 | 3 | | 1 | | | 33 | 1 |
| GW 68 583 | 2 | 2 | | 1 | 1 | | 33 | 1 |
| GW 68 492 | 2 | 1 | 1 | 1 | 1 | | 33 | 1 |
| GW 68 494 | 2 | 2 | | 2 | | | 33 | 1 |
| GW 68 491 | 2 | | 2 | | 2 | | 33 | 1 |
| GW 68 495 | 2 | 1 | | | 3 | | 33 | 1 |
| GW 68 496 | 3 | | | | 2 | 1 | 53 | 1 |
| GW 68 497 | 2 | | | | 2 | 2 | 53 | 1 |
| No. socket outlets: 12 | | | | | | | | |
| GW 68 544 | | 3 | 1 | | 2 | | 33 | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses.

GW68544 equipped with interlocked sockets type COMBIBLOC IP55.

ACCESSORIES SUPPLIED: Emergency push-button, terminal block, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 914x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 543

Q-BOX 6 - WIRED BOARDS WITH INTERLOCKED SOCKETS AND DOMESTIC SOCKETS EQUIPPED WITH TERMINAL BLOCK - IP55



| Code | German Std socket-outlet 16 A | 2P+E 16 A | 3P+E 16 A | 3P+N+E 32 A | 3P+N+E 63 A | Power suppliable (kW) | Pack Carton |
|-------------------------------|----------------------------------|--------------|--------------|----------------|----------------|--------------------------|----------------|
| No. socket outlets: 11 | | | | | | | |
| GW 68 543 | 4 | 3 | 2 | 1 | 1 | 53 | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses.

ACCESSORIES SUPPLIED: Emergency push-button, terminal block, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 914x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 481

Q-BOX 4 - WIRED BOARDS WITH INTERLOCKED SOCKETS EQUIPPED WITH FIXED PLUG - IP55



| Code | 2P+E 16 A | 3P+E 16 A | 3P+N+E 16 A | 3P+E 32 A | 3P+N+E 32 A | Power suppliable (kW) | Pack Carton |
|------------------------------|--------------|--------------|----------------|--------------|----------------|--------------------------|----------------|
| No. socket outlets: 4 | | | | | | | |
| GW 68 584 | 4 | | | | | 6 | 1 |
| GW 68 481 | 3 | 1 | | | | 17 | 1 |
| GW 68 482 | 2 | 2 | | | | 17 | 1 |
| GW 68 585 | 2 | 1 | 1 | | | 17 | 1 |
| GW 68 586 | 2 | 1 | | 1 | | 17 | 1 |
| GW 68 587 | 2 | 1 | | | 1 | 17 | 1 |
| GW 68 588 | 1 | 2 | | 1 | | 17 | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses.

ACCESSORIES SUPPLIED: Emergency push-button, fixed plug, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 636x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 483

Q-BOX 4 - WIRED BOARDS WITH INTERLOCKED SOCKETS AND SOCKETS IEC 309 EQUIPPED WITH FIXED PLUG - IP55



| Code | 2P+ E 16 A - IEC 309 | 2P+E 16 A | 3P+E 16 A | 3P+N+E 16 A | 3P+E 32 A | 3P+N+E 32 A | 3P+E 63 A | Pack Carton |
|------------------------------|-------------------------|--------------|--------------|----------------|--------------|----------------|--------------|----------------|
| No. socket outlets: 5 | | | | | | | | |
| GW 68 589 | 2 | 1 | 1 | | 1 | | | 1 |
| GW 68 590 | 2 | 1 | 1 | | | 1 | | 1 |
| GW 68 483 | 2 | | 2 | | 1 | | | 1 |
| GW 68 592 | 2 | | 2 | | | 1 | | 1 |
| GW 68 484 | 2 | | 1 | 1 | | 1 | | 1 |
| GW 68 593 | 2 | | 1 | | 1 | | 1 | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses.

ACCESSORIES SUPPLIED: Emergency push-button, fixed plug, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 636x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 473

Q-BOX 6 - WIRED BOARDS WITH INTERLOCKED SOCKETS EQUIPPED WITH FIXED PLUG - IP55



| Code | 2P+E 16 A | 3P+E 16 A | 3P+N+E 16 A | 3P+E 32 A | 3P+N+E 32 A | Power suppliable (kW) | Pack Carton |
|------------------------------|--------------|--------------|----------------|--------------|----------------|--------------------------|----------------|
| No. socket outlets: 6 | | | | | | | |
| GW 68 594 | 6 | | | | | 6 | 1 |
| GW 68 595 | 4 | 2 | | | | 17 | 1 |
| GW 68 473 | 3 | 3 | | | | 17 | 1 |
| GW 68 596 | 3 | 2 | 1 | | | 17 | 1 |
| GW 68 471 | 3 | 2 | | 1 | | 33 | 1 |
| GW 68 597 | 3 | 2 | | | 1 | 33 | 1 |
| GW 68 598 | 3 | | 2 | | 1 | 33 | 1 |
| GW 68 472 | 2 | 3 | | 1 | | 33 | 1 |
| GW 68 599 | 2 | 2 | | 1 | 1 | 33 | 1 |
| GW 68 600 | 2 | 2 | | 2 | | 33 | 1 |
| GW 68 474 | 2 | | 2 | | 2 | 33 | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses.

ACCESSORIES SUPPLIED: Emergency push-button, fixed plug, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 914x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..

Q-BOX BOARD WITH INTERLOCKED SOCKET-OUTLETS WITH FUSE-HOLDER (CBF TYPE)



GW 68 562 F

Q-BOX 4 - WIRED BOARDS WITH INTERLOCKED SOCKETS AND FUSE-HOLDER EQUIPPED WITH TERMINAL BLOC - IP55



| Code | 2P+E 16 A | 3P+E 16 A | 3P+N+E 16 A | 2P+E 32 A | 3P+E 32 A | 3P+N+E 32 A | Power suppliable (kW) | Pack Carton |
|------------------------------|--------------|--------------|----------------|--------------|--------------|----------------|--------------------------|----------------|
| No. socket outlets: 4 | | | | | | | | |
| GW 68 561 F | 4 | | | | | | 6 | 1 |
| GW 68 562 F | 3 | 1 | | | | | 17 | 1 |
| GW 68 563 F | 2 | 2 | | | | | 17 | 1 |
| GW 68 564 F | 2 | 1 | 1 | | | | 17 | 1 |
| GW 68 511 F | 3 | | | 1 | | | 12 | 1 |
| GW 68 565 F | 3 | | | | 1 | | 17 | 1 |
| GW 68 566 F | 3 | | | | | 1 | 17 | 1 |
| GW 68 567 F | 2 | 1 | | | 1 | | 17 | 1 |
| GW 68 568 F | 2 | | 1 | | | 1 | 17 | 1 |
| GW 68 569 F | 2 | 1 | | | | 1 | 17 | 1 |
| GW 68 570 F | 1 | 2 | | | 1 | | 17 | 1 |

No. socket outlets: 5

| | | | | | | | | |
|-------------|---|---|---|--|---|---|----|---|
| GW 68 512 F | 2 | 3 | | | | | 33 | 1 |
| GW 68 571 F | 3 | 1 | | | 1 | | 33 | 1 |
| GW 68 572 F | 3 | 1 | | | | 1 | 33 | 1 |
| GW 68 513 F | 2 | 2 | | | 1 | | 33 | 1 |
| GW 68 573 F | 2 | 2 | | | | 1 | 33 | 1 |
| GW 68 514 F | 2 | 1 | 1 | | | 1 | 33 | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses. Each sockets is protected by fuses (supplied as accessory in the boards).

ACCESSORIES SUPPLIED: Emergency push-botton, terminal block, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 636x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 577 F

Q-BOX 6 - WIRED BOARDS WITH INTERLOCKED SOCKETS AND FUSE-HOLDER EQUIPPED WITH TERMINAL BLOCK - IP55



| Code | 2P+E 16 A | 3P+E 16 A | 3P+N+E 16 A | 3P+E 32 A | 3P+N+E 32 A | 3P+E 63 A | 3P+N+E 63 A | Pack Carton |
|------------------------------|--------------|--------------|----------------|--------------|----------------|--------------|----------------|----------------|
| No. socket outlets: 5 | | | | | | | | |
| GW 68 574 F | 2 | 1 | | 1 | | 1 | | 1 |
| GW 68 498 F | 2 | | 1 | | 1 | | 1 | 1 |
| No. socket outlets: 6 | | | | | | | | |
| GW 68 575 F | 6 | | | | | | | 1 |
| GW 68 576 F | 4 | 2 | | | | | | 1 |
| GW 68 577 F | 3 | 3 | | | | | | 1 |
| GW 68 578 F | 3 | 2 | 1 | | | | | 1 |
| GW 68 493 F | 3 | 2 | | 1 | | | | 1 |
| GW 68 579 F | 3 | 2 | | | 1 | | | 1 |
| GW 68 580 F | 3 | 1 | 1 | 1 | | | | 1 |
| GW 68 582 F | 2 | 3 | | 1 | | | | 1 |
| GW 68 583 F | 2 | 2 | | 1 | 1 | | | 1 |
| GW 68 494 F | 2 | 2 | | 2 | | | | 1 |
| GW 68 491 F | 2 | | 2 | | 2 | | | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses. Each sockets is protected by fuses (supplied as accessory in the boards).

ACCESSORIES SUPPLIED: Emergency push-botton, terminal block, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 914x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 481 F

Q-BOX 4 - WIRED BOARDS WITH INTERLOCKED SOCKETS AND FUSE-HOLDER EQUIPPED WITH FIXED PLUG - IP55



| Code | 2P+E 16 A | 3P+E 16 A | 3P+N+E 16 A | 3P+E 32 A | 3P+N+E 32 A | Power suppliable (kW) | Pack Carton |
|------------------------------|--------------|--------------|----------------|--------------|----------------|--------------------------|----------------|
| No. socket outlets: 4 | | | | | | | |
| GW 68 584 F | 4 | | | | | 6 | 1 |
| GW 68 481 F | 3 | 1 | | | | 17 | 1 |
| GW 68 482 F | 2 | 2 | | | | 17 | 1 |
| GW 68 586 F | 2 | 1 | | 1 | | 17 | 1 |
| GW 68 587 F | 2 | 1 | | | 1 | 17 | 1 |
| GW 68 588 F | 1 | 2 | | 1 | | 17 | 1 |
| No. socket outlets: 5 | | | | | | | |
| GW 68 589 F | 3 | 1 | | 1 | | 33 | 1 |
| GW 68 590 F | 3 | 1 | | | 1 | 33 | 1 |
| GW 68 483 F | 2 | 2 | | 1 | | 33 | 1 |
| GW 68 592 F | 2 | 2 | | | 1 | 33 | 1 |
| GW 68 484 F | 2 | 1 | 1 | | 1 | 33 | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses. Each sockets is protected by fuses (supplied as accessory in the boards).

ACCESSORIES SUPPLIED: Emergency push-button, fixed plug, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 636x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 473 F

Q-BOX 6 - WIRED BOARDS WITH INTERLOCKED SOCKETS AND FUSE-HOLDER EQUIPPED WITH FIXED PLUG - IP55



| Code | 2P+E 16 A | 3P+E 16 A | 3P+N+E 16 A | 3P+E 32 A | 3P+N+E 32 A | Power suppliable (kW) | Pack Carton |
|------------------------------|--------------|--------------|----------------|--------------|----------------|--------------------------|----------------|
| No. socket outlets: 6 | | | | | | | |
| GW 68 594 F | 6 | | | | | 6 | 1 |
| GW 68 595 F | 4 | 2 | | | | 17 | 1 |
| GW 68 473 F | 3 | 3 | | | | 17 | 1 |
| GW 68 596 F | 3 | 2 | 1 | | | 17 | 1 |
| GW 68 471 F | 3 | 2 | | 1 | | 33 | 1 |
| GW 68 597 F | 3 | 2 | | | 1 | 33 | 1 |
| GW 68 598 F | 3 | | 2 | | 1 | 33 | 1 |
| GW 68 472 F | 2 | 3 | | 1 | | 33 | 1 |
| GW 68 599 F | 2 | 2 | | 1 | 1 | 33 | 1 |
| GW 68 600 F | 2 | 2 | | 2 | | 33 | 1 |

CHARACTERISTICS: Thermoplastic boards with high resistance impact (IK10). Typical application: main or secondary distribution boards for construction sites, exhibition areas, and temporary uses. Each sockets is protected by fuses (supplied as accessory in the boards).

ACCESSORIES SUPPLIED: Emergency push-button, fixed plug, stainless steel tear-proof cablefastening hooks, N. 2 triangular lock, set of steel brackets for surface-mounting.

NOTES: external dimensions (BxHxP) 914x821x400 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



WIRED MOBILE BOARDS FOR CONSTRUCTION SITES

Q-DIN 5 - MOBILE, PORTABLE BOARDS WITH SOCKETS IEC 309



GW 68 241 N



PROTECTED BOARD EQUIPPED WITH CABLE AND MOBILE PLUG - IP44

| <div><div></div></div> | | | | |
|--|-------------------------------------|----------------------------------|--------------------------|----------------|
| Code | Socket-outlet 2P+E 16A - IEC 309 | German Std socket-outlet 16 A | Power suppliable (kW) | Pack Carton |
| No. socket outlets: 3 | | | | |
| GW 68 241 N | 2 | 1 | 3 | 1/3 |
| ACCESSORIES SUPPLIED: 4 m of cable H 07 RN - F and mobile plug, insulating screw caps to maintain double insulation and original IP degree of boards. | | | | |
| NOTES: external dimensions (BxHxP) 105x430x96 mm. | | | | |
| Please refer to Gewiss web site to download the wiring diagrams of the boards.. | | | | |



GW 68 217 N



WATERTIGHT BOARD EQUIPPED WITH CABLE AND MOBILE PLUG - IP65

| <div><div></div></div> | | | | |
|--|-------------------------------------|-------------------------------------|--------------------------|----------------|
| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | Power suppliable (kW) | Pack Carton |
| No. socket outlets: 3 | | | | |
| GW 68 217 N | 3 | | 3 | 1/3 |
| GW 68 242 N | 2 | 1 | 8 | 1/3 |
| GW 68 243 N | 1 | 2 | 8 | 1/3 |
| GW 68 244 N | | 3 | 8 | 1/3 |
| ACCESSORIES SUPPLIED: 4 m of cable H 07 RN - F and mobile plug, insulating screw caps to maintain double insulation and original IP degree of boards. | | | | |
| NOTES: external dimensions (BxHxP) 105x430x96 mm. | | | | |
| Please refer to Gewiss web site to download the wiring diagrams of the boards.. | | | | |



GW 68 223 N

WATERTIGHT BOARD IN YELLOW SCHOCKPROOF EQUIPPED WITH CABLE AND MOBILE PLUG - IP65

| <div><div></div></div> | | | |
|--|-------------------------------------|--------------------------|----------------|
| Code | Socket-outlet 2P+E 16A - IEC 309 | Power suppliable (kW) | Pack Carton |
| No. socket outlets: 3 | | | |
| GW 68 223 N | 3 | 3 | 1/2 |
| ACCESSORIES SUPPLIED: 4 m of cable H 07 RN - F and mobile plug, insulating screw caps to maintain double insulation and original IP degree of boards. | | | |
| NOTES: external dimensions (BxHxP) 140x560x105 mm. | | | |
| Please refer to Gewiss web site to download the wiring diagrams of the boards.. | | | |

Q-DIN 10 - MOBILE, PORTABLE BOARDS WITH SOCKETS IEC 309



GW 68 203 N

PROTECTED BOARD EQUIPPED WITH CABLE AND MOBILE PLUG - IP44



| Code | Socket-outlet 2P+E 16A - IEC 309 | German Std socket-outlet 16 A | Power suppliable (kW) | Pack Carton |
|------------------------------|-------------------------------------|----------------------------------|--------------------------|----------------|
| No. socket outlets: 4 | | | | |
| GW 68 203 N | 2 | 2 | 3 | 1/3 |

NOTES: 4 m of cable H 07 RN - F and mobile plug, insulating screw caps to maintain double insulation and original IP degree of boards.

NOTES: external dimensions (BxHxP) 140x560x105 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 216 N

WATERTIGHT BOARD EQUIPPED WITH CABLE AND MOBILE PLUG - IP65



| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | Socket-outlet 3P+N+E 16A - IEC 309 | Power suppliable (kW) | Pack Carton |
|------------------------------|-------------------------------------|-------------------------------------|---------------------------------------|--------------------------|----------------|
| No. socket outlets: 4 | | | | | |
| GW 68 216 N | 4 | | | 3 | 1/2 |
| GW 68 245 N | 3 | 1 | | 8 | 1/2 |
| GW 68 246 N | 3 | | 1 | 8 | 1/2 |
| GW 68 204 N | 2 | 2 | | 8 | 1/2 |
| GW 68 247 N | | 4 | | 8 | 1/2 |

ACCESSORIES SUPPLIED: 4 m of cable H 07 RN - F and mobile plug, insulating screw caps to maintain double insulation and original IP degree of boards.

NOTES: external dimensions (BxHxP) 220x435x96 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 401 N

PROTECTED BOARD EQUIPPED WITH CABLE AND MOBILE PLUG, WITH YELLOW PAINTED ACCIDENT PREVENTION METAL CONDUIT SUPPORT - IP44



| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | German Std socket-outlet 16 A | Power suppliable (kW) | Pack Carton |
|------------------------------|-------------------------------------|-------------------------------------|----------------------------------|--------------------------|----------------|
| No. socket outlets: 4 | | | | | |
| GW 68 401 N | 2 | 1 | 1 | 8 | 1 |

ACCESSORIES SUPPLIED: 15 m of cable H 07 RN - F and mobile plug, yellow metal support.

NOTES: external dimensions (BxHxP) 220x435x96 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..

Q-DIN 14 - MOBILE, PORTABLE BOARDS WITH SOCKETS IEC 309



GW 68 250 N

WATERTIGHT BOARD EQUIPPED WITH CABLE AND MOBILE PLUG - IP65



| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | Socket-outlet 3P+E 32A - IEC 309 | Power suppliable (kW) | Pack Carton |
|------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|----------------|
| No. socket outlets: 6 | | | | | |
| GW 68 248 N | 6 | | | 8 | 1 |
| GW 68 249 N | 4 | 2 | | 17 | 1 |
| GW 68 250 N | 3 | 3 | | 17 | 1 |
| GW 68 251 N | 3 | 2 | 1 | 17 | 1 |

ACCESSORIES SUPPLIED: 4 m of cable H 07 RN - F and mobile plug, insulating screw caps to maintain double insulation and original IP degree of boards.

NOTES: external dimensions (BxHxP) 320x510x120 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 411 N

PROTECTED BOARD EQUIPPED WITH CABLE AND MOBILE PLUG, WITH YELLOW PAINTED ACCIDENT PREVENTION METAL CONDUIT CARRIAGE WITH TWO WHEELS AND ROTARY DRUM FOR REWINDING AND STORING THE CABLE - IP44



| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | German Std socket-outlet 16 A | Power suppliable (kW) | Pack Carton |
|------------------------------|-------------------------------------|-------------------------------------|----------------------------------|--------------------------|----------------|
| No. socket outlets: 6 | | | | | |
| GW 68 411 N | 2 | 2 | 2 | 17 | 1 |

ACCESSORIES SUPPLIED: 25 m of cable H 07 RN - F and mobile plug, yellow metal carriage.

NOTES: external dimensions (BxHxP) 320x510x120 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..

Q-DIN 20 - MOBILE, PORTABLE BOARDS WITH SOCKETS IEC 309 AND INTERLOCKED SOCKET-OUTLETS



GW 68 421 N

PROTECTED BOARD EQUIPPED WITH CABLE AND MOBILE PLUG, WITH YELLOW PAINTED ACCIDENT PREVENTION METAL CONDUIT CARRIAGE WITH TWO WHEELS AND ROTARY DRUM FOR REWINDING AND STORING THE CABLE - IP44



| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | Socket-out 3P+E 32A - IEC309 | German Std socket-outlet 16 A | Power suppliable (kW) | Pack Carton |
|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------|--------------------------|----------------|
| No. socket outlets: 8 | | | | | | |
| GW 68 421 N | 2 | 2 | 2 | 2 | 17 | 1 |

ACCESSORIES SUPPLIED: 35 m of cable H 07 RN - F and mobile plug, yellow metal carriage.

NOTES: external dimensions (BxHxP) 450x560x120 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..



GW 68 424 N

WATERTIGHT BOARD EQUIPPED WITH CABLE AND MOBILE PLUG, WITH YELLOW PAINTED ACCIDENT PREVENTION METAL CONDUIT CARRIAGE WITH TWO WHEELS AND ROTARY DRUM FOR REWINDING AND STORING THE CABLE - IP65



| Code | Socket-outlet 2P+E 16A - IB | Socket-outlet 3P+E 16A - IB | Socket-out 3P+E 32A - IB | Power suppliable (kW) | Pack Carton |
|------------------------------|--------------------------------|--------------------------------|-----------------------------|--------------------------|----------------|
| No. socket outlets: 4 | | | | | |
| GW 68 424 N | 2 | 1 | 1 | 33 | 1 |

ACCESSORIES SUPPLIED: 35 m of cable H 07 RN - F and mobile plug, yellow metal carriage.

NOTES: external dimensions (BxHxP) 450x560x120 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..

Q-DIN - MOBILE, PORTABLE BOARDS WITH SAFETY TRANSFORMER



GW 68 235 N

WATERTIGHT BOARD WITH EQUIPPED SAFETY TRANSFORMER WITH CABLE AND MOBILE PLUG - IP65



| Code | with transformer 2P - 16A - 24V | Socket-outlet 2P+E 16A - IB | Power suppliable (kW) | Pack Carton |
|------------------------------|------------------------------------|--------------------------------|--------------------------|----------------|
| No. socket outlets: 2 | | | | |
| GW 68 235 N | 2 | | 3 | 1/2 |
| No. socket outlets: 4 | | | | |
| GW 68 236 N | 2 | 2 | 3 | 1 |

ACCESSORIES SUPPLIED: 4 m of cable H 07 RN - F and mobile plug, insulating screw caps to maintain double insulation and original IP degree of boards.

NOTES: external dimensions (BxHxP) GW68235N 220x435x96 mm; GW68236N 450x560x120 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..

66 COMBIBLOC - WIRED BOARDS FOR CONSTRUCTION SITES

COMBIBLOC - PORTABLE DISTRIBUTION BOARDS



GW 66 388

COMBIBLOC ACS BOARDS EQUIPPED WITH CABLE AND PLUG IEC309 METAL CONDUIT SUPPORT YELLOW-PAINTED SUPPORT - IP55



| Code | Socket-outlet 2P+E 16A - IB | Socket-outlet 3P+N+E 16A - IB | Socket-outlet 3P+N+E 32A - IB | Pack Carton |
|-----------|--------------------------------|----------------------------------|----------------------------------|----------------|
| GW 66 388 | 2 | 1 | | 1 |
| GW 66 389 | 1 | 1 | 1 | 1 |

ACCESSORIES SUPPLIED: 5 m of cable H 07 RN - F and mobile plug, metal conduit support.

NOTES: external dimensions (BxHxP) 320x360x95 mm.

Please refer to Gewiss web site to download the wiring diagrams of the boards..







68 QMC - WIRED PEDESTAL FOR CONSTRUCTION SITES

Q-MC 16T - TRANSPORTABLE PEDESTAL



GW 68 881 A

**QMC 16 T ACS TRANSPORTABLE WIRED TERMINAL
WITH DOUBLE-FACE TAKE-OFF
EQUIPPED WITH NON-INTERLOCKED SWITCHED SOCKET-OUTLETS - IP56**

| |  |  |  |  |  |  |
|-------------|---|---|---|---|--|---|
| | EN 62208 | 16A | 16A | 16A | 16A | 32A |
| Code | Socket-outlet 2P+E 16A - IEC 309 | Socket-outlet 3P+E 16A - IEC 309 | Socket-outlet 3P+N+E 16A - IEC 309 | Socket-outlet 3P+N+E 32A - IEC 309 | Pack Carton | |
| GW 68 881 A | 7 | | | | 1 | |
| GW 68 883 A | 4 | 1 | 1 | 1 | 1 | |
| GW 68 884 A | 2 | 1 | 2 | 1 | 1 | |

CHARACTERISTICS: Stainless steel cable fastener devices, enclosure with hinged opening that can be fitted with security lock for access to modular devices.

ACCESSORIES SUPPLIED: 5 m of cable H 07 RN - F and mobile plug, metal conduit support.

Please refer to Gewiss web site to download the wiring diagrams of the boards..





ACS PREDETERMINED CONSTRUCTION SYSTEM COMPONENTS

46 QP - WATERTIGHT POLYESTER BOARDS - IP66



GW 46 004 F

WATERTIGHT BOARDS IN POLYESTER WITH BLANK DOOR FITTED WITH LOCK - GREY RAL 7035

| |  |  |  |  |
|-------------|--|--|--|--|
| | EN 60754-2 | EN 62208 | EN 62208 | |
| Code | Nominal dim. LxHxD (mm) | No. of modules EN 50022 | No. locks | Pack Carton |
| GW 46 003 F | 405x500x200 | 54 (18x3) | 2 | 1 |
| GW 46 004 F | 405x650x200 | 72 (18x4) | 2 | 1 |
| GW 46 005 F | 515x650x250 | 96 (24x4) | 2 | 1 |
| GW 46 006 F | 585x800x300 | 140 (28x5) | 2 | 1 |





NOTES: It is necessary use GWEnergy software to realize certification in accordance with ACS standard and the GEWISS construction standard.

Refer to section in the catalogue "46 QP Range - Watertight Surface mounting distribution and automation boards" for any further information related to the boards and their acceries.



GW 46 203 F

POLYESTER WATERTIGHT BOARDS WITH TRANSPARENT DOOR AND LOCK - GREY RAL 7035

| |  |  |  |  |
|-------------|---|---|---|---|
| | EN 60754-2 | EN 62208 | EN 62208 | |
| Code | Nominal dim. LxHxD (mm) | No. of modules EN 50022 | No. locks | Pack Carton |
| GW 46 203 F | 405x500x200 | 54 (18x3) | 2 | 1 |
| GW 46 204 F | 405x650x200 | 72 (18x4) | 2 | 1 |
| GW 46 205 F | 515x650x250 | 96 (24x4) | 2 | 1 |
| GW 46 206 F | 585x800x300 | 140 (28x5) | 2 | 1 |

NOTES: It is necessary use GWEnergy software to realize certification in accordance with ACS standard and the GEWISS construction standard.

Refer to section in the catalogue "46 QP Range - Watertight Surface mounting distribution and automation boards" or any further information related to the boards and their acceries.

40 CDK - UNWIRED ENCLOSURES FOR INGOING AND MEASUREMENT ASSEMBLIES



GW 40 103

ENCLOSURES PREARRANGED FOR HOUSING TERMINAL BLOCKS TRANSPARENT SMOKED DOOR - SMOOTH WALLS - IP65

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|----------------------------|--------------------------|----------------|
| GW 40 103 | 12 | 298x260x140 | 6 |
| GW 40 106 | 18 | 410x285x140 | 3 |
| GW 40 104 | 24 | 298x420x140 | 3 |

NOTES: It is necessary use GWEnergy software to realize certification in accordance with ACS standard and the GEWISS construction standard.
Refer to section in the catalogue "40 CDK Range - Surface mounting distribution boards and enclosures" for any further information related to the boards and their accessories.

68 Q-BOX - UNWIRED FINAL DISTRIBUTION BOARD



GW 68 465

Q-BOX 4 UNWIRED DISTRIBUTION BOARD - IP55

| Code | Supplied Earth Terminal block | No. of modules EN 50022 | Pack Carton |
|-----------|----------------------------------|----------------------------|----------------|
| GW 68 465 | (7x10 mm ²) | 12 | 1 |

ACCESSORIES SUPPLIED: modular enclosure 12+1M and blank enclosure for terminal block. Set of brackets for surface-mounting.

NOTES: It is necessary use GWEnergy software to realize certification in accordance with ACS standard and the GEWISS construction standard



GW 68 466

Q-BOX 6 UNWIRED DISTRIBUTION BOARDS - IP55

| Code | Supplied Earth Terminal block | No. of modules EN 50022 | Pack Carton |
|-----------|--|----------------------------|----------------|
| GW 68 466 | (2x25mm ²)+(10x10mm ²) | 24 (12+12) | 1 |

ACCESSORIES SUPPLIED: 2 modular enclosures 12+1M each, and blank enclosure for terminal block. Set of brackets for surface-mounting.

NOTES: It is necessary use GWEnergy software to realize certification in accordance with ACS standard and the GEWISS construction standard.

COMPLEMENTARY ITEMS FOR 68 Q-BOX



GW 46 554

POLE SUPPORT KIT

| Code | For distribution boards | Pack Carton |
|-----------|----------------------------|----------------|
| GW 46 554 | Q-BOX 4 | 1 |

APPLICATIONS: for applying boards 68 Q-BOX 4 on poles from 60mm to 80mm.

CHARACTERISTICS: fixed on the back of the boards.

ACCESSORIES SUPPLIED: 2 pieces. For the correct use of the kit, see the instructions sheet.



GW 68 552

PANELS FOR Q-BOX 4/6 - IP55

| Code | Description | Dimensions (mm) | Pack Carton |
|-----------|---|-----------------|-------------|
| GW 68 551 | Panel - blank | 270x368 | 1 |
| GW 68 552 | 12 modules board | 270x368 | 1 |
| GW 68 554 | 4 COMBIBLOC 16-32A IP44/55 | 270x368 | 1 |
| GW 68 556 | 2 IB Vert. 16-32A IP67 + 2 IEC 309 16A IP44/67 or GW27401 | 270x368 | 1 |
| GW 68 559 | 5 IB Vert. 16-32A IP67 + 4 IEC 309 16A IP44/67 or GW27401 | 540x368 | 1 |

ACCESSORIES SUPPLIED: panels with base, fixing screws and closure.

CHARACTERISTICS:

Internal space of Q-BOX 4: 540x415mm

Internal space of Q-BOX 6: 810x415mm.



GW 68 591

FIXING KIT FOR 160A ONE-WAY SWITCHES FOR GW68552 PANEL

| Code | Description | Pack Carton |
|-----------|-------------------------|-------------|
| GW 68 591 | For inserting from 160A | 1/20 |



GW 68 504

EMERGENCY PUSH BUTTON KIT

| Code | Description | Pack Carton |
|-----------|--|-------------|
| GW 68 504 | Kit containing push-button, indicator lamp cont., fuse-old | 1/4 |



GW 68 503

12-MODULE WATERTIGHT ENCLOSURE FRONT FOR Q-BOX - IP55

| Code | No. of modules EN 50022 | Pack Carton |
|-----------|-------------------------|-------------|
| GW 68 503 | 12+1 | 1/8 |



GW 68 505

WATERTIGHT PLUG - SOCKET-OUTLET BLOCK

| Code | Description | Pack Carton |
|------------------|--------------------------|----------------|
| GW 68 505 | Plug/socket-outlet block | 1/10 |

NOTE: the block is suitable for 32A (only 3P+T and 3P+N+T) and 63 A socket-outlet - plug connections.



GW 68 463

YELLOW METAL SUPPORT FOR Q-BOX 4/6

| Code | Outer dim. LxHxD (mm) | Pack Carton |
|------------------|--------------------------|----------------|
| GW 68 463 | 1100x1650x630 | 1 |

CHARACTERISTICS: 2 side handles for manual handling; 2 slots on the top for lifting with a crane.



GW 46 445

SECURITY LOCK WITH HANDLE

| Code | Description | Pack Carton |
|------------------|------------------------------|----------------|
| GW 46 445 | Security lock key and handle | 10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: all the keys and relative locks with the same product code are identical.



GW 46 447

**DOCUMENT HOLDER POCKET IN SELF-ADHESIVE INSULATING MATERIAL
WITH KIT OF BLANK LABELS**

| Code | Dimensions (mm) | Pack Carton |
|------------------|--------------------|----------------|
| GW 46 447 | 310x230 | 1/10 |

CHARACTERISTICS: the document wallet can be inserted in all Gewiss distribution boards starting with the 405x500x200 mm dimension.

MULTIFUNCTION FLOODLIGHTS

GENIUS - MOBILE USES



GW 84 204

FLOODLIGHTS ON TUBULAR SUPPORT - IP55 - CLASS I



| Code | Max lamp power | Lamp | Lamp holder | Lamp current | Colour | Pack Carton |
|-----------|----------------|------|-------------|--------------|---------------|-------------|
| GW 84 204 | 500 W | HD | R7s | 2.1 A | Graphite grey | 1 |
| GW 84 205 | 1000 W | HD | R7s | 4.3 A | Graphite grey | 1 |

CHARACTERISTICS: protective wire guard and cable type H07RN-F section 3x1.5mm², length 5m with plug IEC 309 16A 2P+E 200-230V - IP67.
GW84204: also suitable for 200W - 300W - 400W lamps; GW84205: also suitable for 750W lamps.



GW 84 220

FLOODLIGHTS ON ADJUSTABLE TELESCOPIC SUPPORT (MIN 1M - MAX 2M) - IP55 - CLASS I



| Code | Max lamp power | Lamp | Lamp holder | Lamp current | Colour | Pack Carton |
|-----------|----------------|------|-------------|--------------|---------------|-------------|
| GW 84 220 | 500 W | HD | R7s | 2.1 A | Graphite grey | 1 |

CHARACTERISTICS: protective wire guard and cable type H07RN-F section 3x1.5mm², length 5m with plug IEC 309 16A. 2P+E 200-230V - IP67
also suitable for 150W - 200W - 300W lamps.



GW 88 202

SPARE PARTS

| Code | Description | Suitable for | Dimensions (mm) | Pack Carton |
|-----------|----------------|--------------|-----------------|-------------|
| GW 88 202 | Tempered glass | 500 W | 150x180 | 1/5 |
| GW 88 223 | Tempered glass | 1000W | 350x220 | 1/5 |

LUMINOUS INDICATOR DEVICES

RETТА - RECTANGULAR LUMINAIRES



GW 80 401

VERSIONS FOR INCANDESCENT LAMPS - IP44 - CLASS II



| Code | Max lamp power | Lamp | Lamp holder | Diffuser colour | Pack Carton |
|-----------|----------------|-------|-------------|-----------------|-------------|
| GW 80 401 | 75 W | IA/IB | E27 | Transparent | 12 |
| GW 80 402 | 75 W | IA/IB | E27 | Yellow | 12 |
| GW 80 403 | 75 W | IA/IB | E27 | Red | 12 |
| GW 80 404 | 75 W | IA/IB | E27 | Green | 12 |

TARTA - OVAL LUMINAIRES



GW 80 411

VERSIONS FOR INCANDESCENT LAMPS - IP44 - CLASS II



| Code | Max lamp power | Lamp | Lamp holder | Diffuser colour | Pack Carton |
|-----------|----------------|-------|-------------|-----------------|-------------|
| GW 80 409 | 60 W | IA/IB | E27 | Transparent | 36 |
| GW 80 410 | 60 W | IA/IB | E27 | Yellow | 36 |
| GW 80 411 | 60 W | IA/IB | E27 | Red | 36 |
| GW 80 412 | 60 W | IA/IB | E27 | Green | 36 |

CHARACTERISTICS: suitable for installation directly on to walls via screws or on to pipes using cable ties.

68 ACS



SAFETY ALWAYS AT THE TOP



All Q-BOX wired versions are equipped with emergency button. Furthermore, the boards are equipped with door and stainless steel tear-proof cable-fastening hooks, which block the power cable from the loads connected to the socket-outlets in the event of accidental tearing.

PERSONALISED CONFIGURATIONS



The unwired versions can be personalised for all construction sites requirements. With GWENERGY software you can easily and quickly create and certify your ASC configuration.

COMPLIANCE WITH THE EN61439-4 STANDARD



GEWISS boards are made in according to EN61439 standard that outlines the guidelines and test procedures for low voltage protection and switching assemblies. For outdoor applications, the boards are certified UV-resistant according to the EN62208 standard.

68 ACS construction site board system

Range of construction site boards complying with the CEI 64-8/7 Standard for applications on construction and demolition sites. The directives of CEI 64-8/7 specify that boards for electricity distribution on construction sites must comply with EN 61439-1 and EN 61 439-4, and extend this application to the following systems:

- new build;
- renovation, extension and demolition of existing buildings;
- public works;
- earth moving works;
- similar works.

The very name of an ACS (Assemblies for Construction Sites) board indicates that the product complies with the EN 61439-1 and EN 61 439-4 Standard. These boards are available in the Q-BOX, Q-DIN, COMBIBLOC, QMC and QP versions, fully factory-wired, and are supplied with the relative certification and wiring diagram. Alternatively, it is possible to wire empty boards and obtain certification based on the configurations of the Pre-established Construction System.

Technical data and compliance with standards

| Board type | Reference Standard | Degree of protection (IP) | Insulation provided by the shell | Shell | | | Devices on main circuits | Accessories supplied |
|------------|--------------------|---------------------------|----------------------------------|--|--------------------------------|---------------------|--|---|
| | | | | Impact resistance at ambient temperature (IK code) | Thermo-pressure with ball (°C) | Glow Wire Test (°C) | | |
| CDK | EN61439-4 | IP65 | | IK 09 | 70 | 650 | Residual current circuit breaker with overcurrent protection | Emergency push-button with green indicator lamp |
| QP | | IP66 | | IK 10 | 200 | 960 | Residual current circuit breaker with overcurrent protection | Emergency push-button with green indicator lamp, handle for transportation, metal surface-mounting brackets |
| Q-BOX 4-6 | | IP55 | | IK10 | 70 | 650 | Residual current circuit breaker with overcurrent protection | Emergency push-button with green indicator lamp, metal surface-mounting brackets |
| Q-DIN | | IP44 IP65 | | IK 09 | 70 | 650 | Residual current circuit breaker with overcurrent protection | Supply cable length 4 meters with mobile plug |
| COMBIBLOC | | IP55 | | IK 08 | 80 | 650 | Residual current circuit breaker with overcurrent protection | Supply cable length 5 meters with mobile plug |
| QMC | | IP56 | | IK 09 | 70 | 650 | Residual current circuit breaker with overcurrent protection | Supply cable length 4 meters with mobile plug, and emergency push-button |

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| | Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|---------------------------|--------------------|--------------------|--------------------|--------------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Alcohol | | |
| Q-BOX | Resistant | Limited resistance | Resistant | Limited resistance | Resistant | Limited resistance | Limited resistance | Limited resistance | Resistant | Limited resistance | Resistant |
| Q-DIN | Resistant | Limited resistance | Resistant | Resistant | Resistant | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |
| Q-DIN 5 shockproof casing | Limited resistance | Not resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant |
| COMBIBLOC | Limited resistance | Not resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant |
| QMC | Resistant | Limited resistance | Resistant | Limited resistance | Resistant | Limited resistance | Limited resistance | Limited resistance | Resistant | Limited resistance | Resistant |

NOTES: for behaviour of QP and CDK type boards when exposed to chemical and atmospheric agents, please refer to the relevant sections of the catalogue: "46 QP range" and "40 CDK range".


APPLICATION FIELD

| BOARD TYPE | CONSTRUCTION SITES SIZE | | | TYPE OF USE | | | GENERAL FUNCTION |
|-------------------------------|-------------------------|--------------------|-----------------|-------------|------------------------------------|-------|---|
| | Small In ≤ 32A | Medium In ≤ 63A | Big In > 63A | Main board | Primary and secondary distribution | Final | |
| QP | | | X | X | | | - Measurement board - Main supply board |
| CDK | X | | | X | | | |
| | | X | | X | | | |
| Q-BOX | | | X | X | | | - Primary distribution board to supply other boards or fixed/mobile machinery |
| | X | | | | X | X | |
| | | X | | | X | | |
| Q-DIN COMBIBLOC QMC 16T | X | | | | | X | - Secondary distribution board - final board for fixed/mobile machinery |
| | | X | | | | X | |


Q-BOX boards enable a large number of socket-outlets to be housed simply by fastening them to the back plate of the board itself. In order to obtain even more complex configurations with a larger number of socket-outlets and more modular space, Q-BOX panels can be added; these are specifically designed to expand the solutions that can be achieved with these boards.

DISTRIBUTION BOARDS
TYPE Q-BOX

Q-BOX 4
GW68465




Q-BOX 6
GW68466

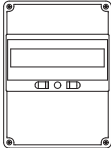


ADDITIONAL PANEL FOR Q-BOX

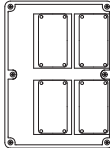
Blank panel
GW68551




12M enclosure panel
GW68552



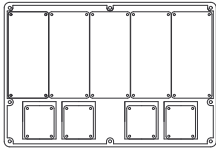
Panel
4 x COMBIBLOC
GW68554



Panel
2 x 67IB + 2 x IEC
GW68556



Panel
5 x 67IB + 4 IEC
GW68559

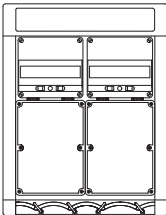


No. max pf panels housable into Q-BOX board

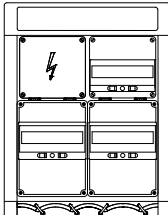
| | GW68551 | GW68552 | GW68554 | GW68556 | GW68559 |
|---------|---------|---------|---------|---------|---------|
| GW68465 | max. 2 | max. 2 | max. 2 | max. 2 | max. 1 |
| GW68466 | max. 3 | max. 3 | max. 3 | max. 3 | max. 1 |

POSSIBLE SOLUTION FOR MOUNTING MODULAR AND NOT MODULAR DEVICES

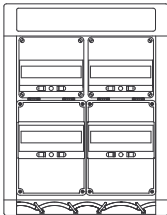
Q-BOX 4



24 modules +
space for not modular devices

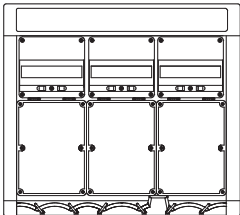


36 modules

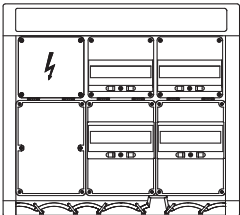


48 modules

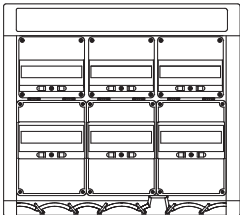
Q-BOX 6



36 modules +
space for not modular devices



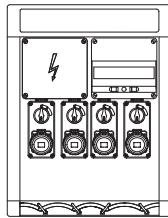
48 modules +
space for not modular devices



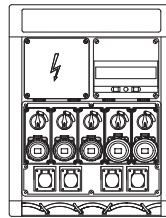
72 modules

POSSIBLE SOLUTION FOR Q-BOX WITH 16/32A SOCKET-OUTLETS

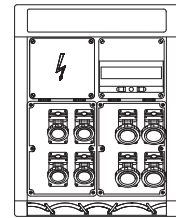
Q-BOX 4



12 modules +
4 interlocked sockets 16/32A

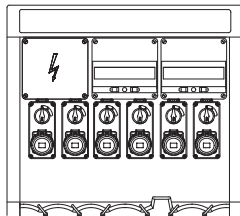


12 modules +
5 interlocked sockets 16/32A +
4 IEC sockets 16A or GW62392

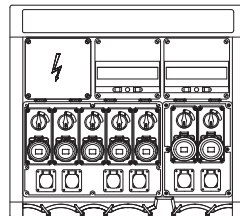


12 modules +
8 interlocked sockets COMBIBLOC 16/32A

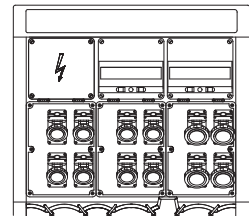
Q-BOX 6



24 modules +
6 interlocked sockets 16/32A



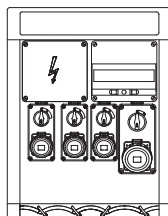
24 modules +
7 interlocked sockets 16/32A +
6 IEC sockets 16A or GW62392



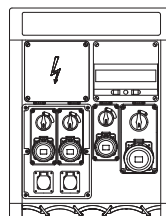
24 modules +
12 interlocked sockets COMBIBLOC 16/32A

POSSIBLE SOLUTION FOR Q-BOX WITH 16/32/63A SOCKET-OUTLETS

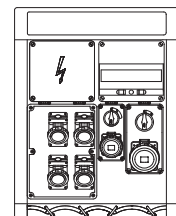
Q-BOX 4



12 modules +
3 interlocked sockets 16/32A +
1 interlocked socket 63A

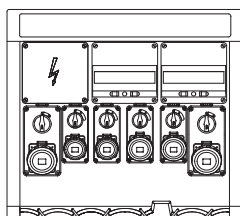


12 modules +
3 interlocked sockets 16/32A +
1 interlocked socket 63A +
2 IEC sockets 16A or GW62392

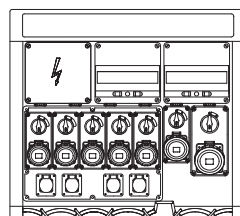


12 modules +
4 interlocked sockets COMBIBLOC 16/32A +
1 interlocked socket 16/32A +
1 interlocked socket 63A

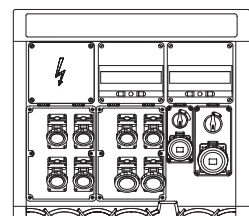
Q-BOX 6



24 modules +
4 interlocked sockets 16/32A +
2 interlocked sockets 63A



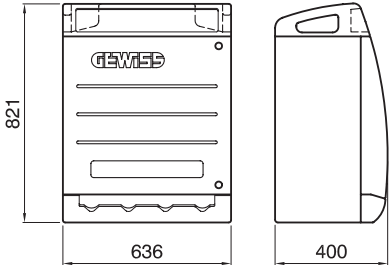
24 modules +
6 interlocked sockets 16/32A +
1 interlocked socket 63A +
4 IEC sockets 16A or GW62392



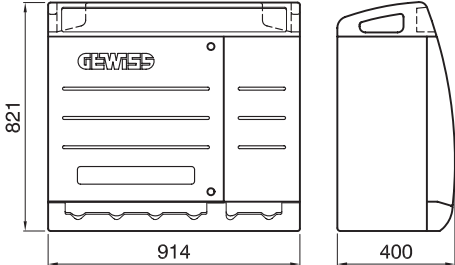
24 modules +
8 interlocked sockets COMBIBLOC 16/32A +
1 interlocked socket 16/32A +
1 interlocked socket 63A

Dimension tables

Q-BOX 4/6 BOARS

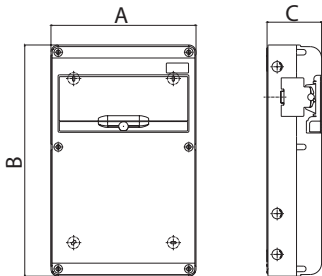


GW 68 465



GW 68 466

Q-DIN BOARDS

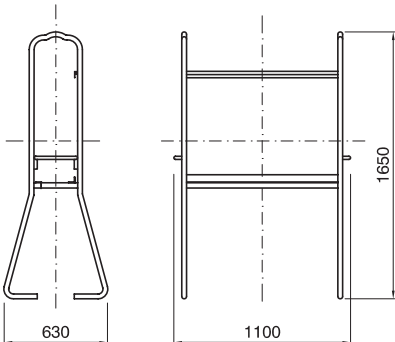


| TIPO Q-DIN | A | B | C |
|------------------|-----|-----|-----|
| Q-DIN 5 | 105 | 430 | 76 |
| Q-DIN 5 WITH BOX | 140 | 560 | 105 |
| Q-DIN 10 | 220 | 435 | 76 |
| Q-DIN 14 | 320 | 510 | 120 |
| Q-DIN 20 | 450 | 560 | 120 |

(*) NB: The values provided in the table refer to the dimensions of empty boards.

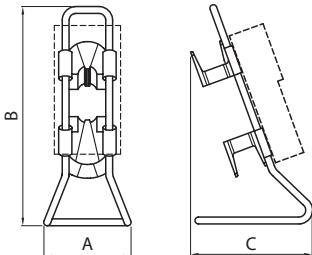
FLOOR-MOUNTING SUPPORT

Q-BOX 4/6 construction sites metal support



GW 68 463

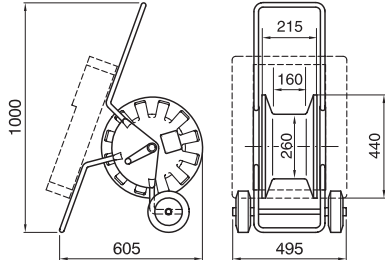
Q-DIN/COMBIBLOC construction sites metal support



| CODE | FOR Q-DIN | A | B | C |
|-----------|-----------|-----|-----|-----|
| GW 68 431 | 10 | 350 | 715 | 435 |
| GW 68 433 | 14-20 | 350 | 964 | 520 |

NOTE: GW68433 suitable also for COMBIBLOC boards.

Matel carrier equipped with two wheels and rotating drum



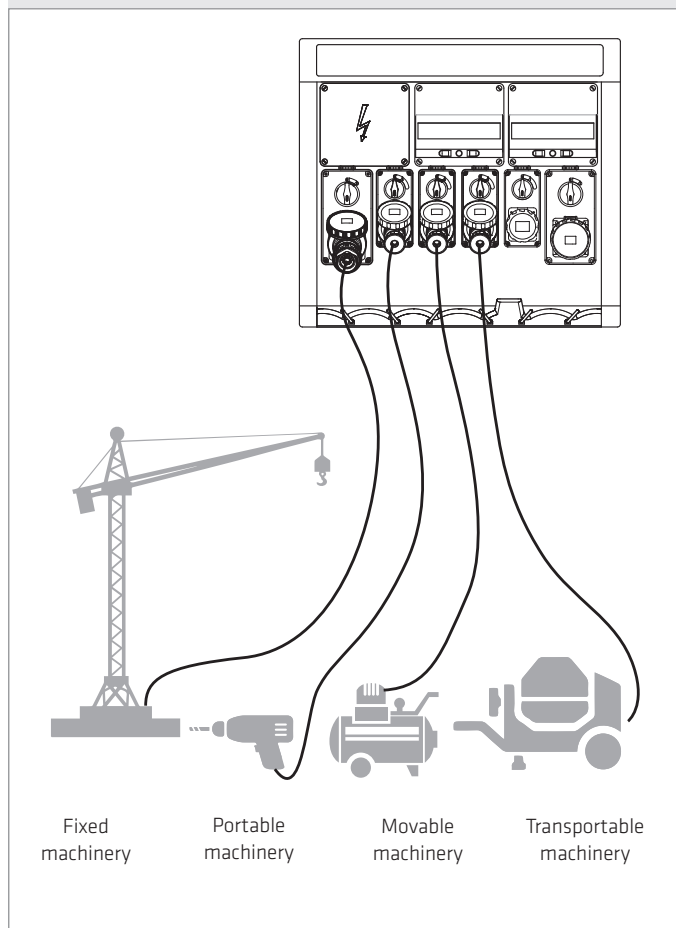
GW 68 432

Reference standards:

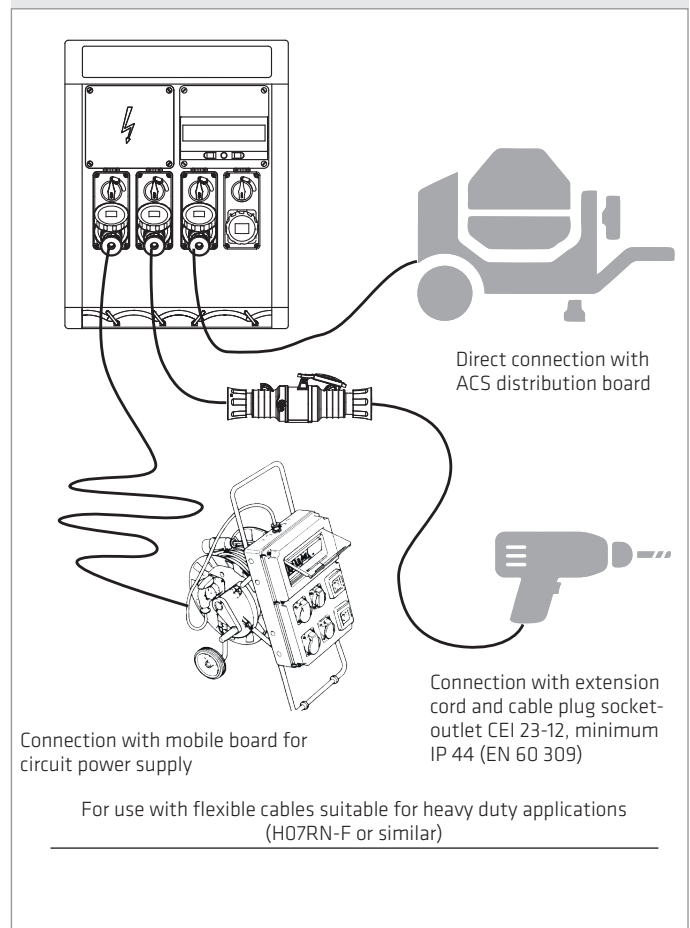
Temporary systems at construction and demolition sites must be installed in accordance with international standard, following the instructions below:

- all boards must comply with Standard EN 61439-1 and EN 61439-4, and accordingly, must be of ACS type;
- at the site system origin point, i.e. immediately downstream of the supply point, a general sectioning and protection board must be fitted (e.g.: 68 QP ACS and 68 CDK ACS boards);
- construction site machinery must only be connected to final distribution boards (E.g.: 68 Q-BOX ACS and 68 Q-DIN ACS boards);
- the system downstream of the main board is to be considered as being of mobile type, and flexible cables with a sheath that is suitable for heavy duty applications must be used (H 07 RN - F or similar);
- in locations to which pedestrians or vehicles have access, the cables must be protected against mechanical damage, either by being buried, suspended, run under protective walkways or protective tiles, or in strong cement or iron conduits;
- the cables that supply the machinery can be directly attached to the ACS distribution boards, to mobile sockets and that are equipped with a coupling device, or to socket-outlets of any type that are incorporated into a cable winder (EN 60309-2);
- all plug socket-outlets with $I_n \leq 32A$ used on construction sites must be protected against indirect contact by residual current circuit breakers with an $I_{\Delta n}$ not exceeding 30mA; it is not necessary for every single socket-outlet to have its own circuit breaker;
- any final ACS distribution board socket-outlet must have its own overload protection, unless a general protection device is fitted upstream with a rated current not exceeding that of the smaller socket-outlet;
- plug socket-outlets not contained within the final distribution board (mobile sockets or sockets fitted onto a cable winder) must have a degree of protection of at least IP44;
- as an alternative to protection via residual current circuit breaker with $I_{\Delta n} \leq 30mA$, socket-outlets protected by an insulation transformer can also be used: where suitable (for power supply to portable lamps), extra low voltage safety socket-outlets (SELV) can be used; these must be 2P or 3P 12h industrial-type devices (40-50V) or without reference (20-25V), (see the IEC 309 range).


DISTRIBUTION BOARD MACHINERY CONNECTIONS




MOVABLE CONNECTIONS PERMITTED




WIRED DISTRIBUTION PEDESTALS IN AISI 316L STAINLESS STEEL MATERIAL

| EXAMPLE OF APPLICATION | | | | | | TYPE |  | STAINLESS STEEL | IP DEGREE |
|------------------------|---------|-------------|----------------|----------------|------------------|-------------------|--|-----------------|-----------|
| PORTS | CAMPSES | URBAN AREAS | GARDENS, PARKS | BLOCK OF FLATS | INDUSTRIAL AREAS | | | | |
| • | • | • | • | • | • | | | | |
| • | | • | • | | • | | | | |
| • | | • | | | • | | | | |
| • | | | | | | | | | |
| | • | • | | | • | PEDESTAL Q-MC 63X | | GW 68 901 | IP56 |
| | | | | | | | | GW 68 902 | IP56 |
| | | | | | | | | GW 68 903 | IP56 |
| | | | | | | | | GW 68 904 | IP56 |
| | | | | | | | | GW 68 905 | IP56 |

FIRE-FIGHTING PEDESTALS Q-MC 63 X IN AISI 316 L STAINLESS STEEL

|  | CODE | CONFIGURATION |
|--|-----------|---|
| | GW 68 921 | SUITABLE FOR 6 KG FIRE EXTINGUISHER |
| | GW 68 923 | SUITABLE FOR VALVE, LANCE, SUPPORT AND HOSE |
| | GW 68 779 | KIT CONTAINING LANCE, 15M HOSE, SUPPORT AND ACCESSORIES |



EMPTY DISTRIBUTION PEDESTAL Q-MC 63 X IN AISI 316 L STAINLESS STEEL

|  | CODE | CONFIGURATION | SIDE A | SIDE B |
|---|-----------|---------------|---|---|
| | GW 68 931 | DOUBLE-SIDED | Empty compartment that can be equipped with 1 panel | Empty compartment that can be equipped with 1 panel |

WIRED DISTRIBUTION PEDESTALS IN STAINLESS STEEL MATERIAL

| MAIN SWITCH | NO. OF MODULAR PROTECTION AND MONITORING DEVICES | | TYPE AND NO. OF SOCKETS INSTALED | | |
|---------------------|--|---------|----------------------------------|------------------------|---------|
| SWITCH DISCONNECTOR | RESIDUAL CURRENT CIRCUIT BREAKERS 30mA AC | | IEC 309 NON-INTERLOCKED | IEC 309 INTERLOCKED | |
| 4P | 2P | 4P | 2P+E | 2P+E | 3P+N+T |
| 1 x 32A | 4 x 16A | | | 4 x 16A | |
| 1 x 63A | 2 x 16A | 2 x 16A | | 2 x 16A | 2 x 16A |
| 1 da 80A | 2 x 16A | 2 x 32A | | 2 x 16A | 2 x 32A |
| \ | | 2 x 63A | | | 2 x 63A |
| 1 x 32A | 6 x 16A | | 6 x 16A | | |

COMPONENTS FOR Q-MC 63 X IN AISI 316 L STAINLESS STEEL
TYPES OF PANELS

| | FOR INTERLOCKED SOCKET-OUTLETS | | | FOR IEC 309 NON-INTERLOCKED SOCKET-OUTLETS | |
|--|-----------------------------------|---------------------------------------|-----|---|-----|
| | CODE | TYPE | NO. | TYPE | NO. |
|   | GW 68 745 W | 67 IB range Vertical IP67 16/32A | 2 | | |
| | GW 68 746 W | 44 IB range Horizontal IP44 16/32A | 2 | | |
| | GW 68 747 W | Combibloc range IP44/55 16/32A | 2 | IEC 309 range, flush-mounting 16A or 85x75mm flanged lids | 1 |
| | GW 68 748 W | | | IEC 309 range, flush-mounting 16/32A or 85x75mm flanged lids | 4 |
| | GW 68 749 W | 67 IB range Vertical IP67 63A | 1 | | |
| | GW 68 750 W | BLANK | | | |


WIRED DISTRIBUTION PEDESTALS IN INSULATING MATERIAL


| EXAMPLES OF APPLICATION | | | | | | | | | | | | | MAIN SWITCH | | |
|-------------------------|-----------|-------------|----------------|----------------|----------------------|------------------|---------------------------------|---|--------------|---------------|---------------|-----------|---------------------|----|---------|
| Ports | Campsites | Urban areas | Gardens, parks | Block of flats | Itinerant road shows | Industrial areas | TYPE |  | BLUE VERSION | WHITE VERSION | GREEN VERSION | IP DEGREE | SWITCH DISCONNECTOR | | |
| | | | | | | | | | | | | | 2P | 3P | 4P |
| | | | ● | ● | | | Q-MC 16 B PEDESTAL |  | GW 68 841 A | GW 68 841 W | | 56 | | | |
| | | | | | | | | | GW 68 842 A | GW 68 842 W | | 55 | | | |
| | | | | | ● | | Q-MC 16 T PEDESTAL |  | GW 68 846 A | GW 68 846 W | | 55 | | | |
| | | | | | | | | | GW 68 847 A | GW 68 847 W | | 55 | | | |
| ● | | ● | | ● | | ● | Q-MC 63 B PEDESTAL |  | GW 68 851 A | GW 68 851 W | | 56 | | | 1 x 32A |
| | | | | | | | | | GW 68 852 A | GW 68 852 W | | 56 | | | 1 x 32A |
| | | ● | ● | ● | | | Q-MC 63 B PEDESTAL |  | | | GW 68 855 G | 56 | 1 x 40A | | |
| ● | ● | ● | | ● | | ● | Q-MC 63 E ELECTRONICS PEDESTAL |  | GW 68 876 A | GW 68 876 W | | 56 | | | 1 x 32A |
| | | | | | | | | | GW 68 877 A | GW 68 877 W | | 56 | | | 1 x 32A |
| | | | | | | | | | GW 68 878 A | GW 68 878 W | | 56 | | | 1 x 63A |
| ● | ● | | | | | | | | GW 68 874 A | GW 68 874 W | | 56 | | | |
| | | | | | | | | | GW 68 875 A | GW 68 875 W | | 56 | | | |
| | ● | | | | | | Q-MC 63 C PEDESTAL |  | GW 68 856 A | GW 68 856 W | | 55 | 1 x 32A | | |
| | | | | | | | | | GW 68 857 A | GW 68 857 W | | 56 | 1 x 40A | | |
| | | | | | | | | | GW 68 858 A | GW 68 858 W | | 55 | 1 x 32A | | |
| ● | | ● | | ● | | ● | Q-MC 125 B PEDESTAL |  | GW 68 801 A | GW 68 801 W | | 44 | | | 1 x 32A |
| | | | | | | | | | GW 68 802 A | GW 68 802 W | | 44 | | | 1 x 63A |
| | | | | | | | | | GW 68 803 A | GW 68 803 W | | 56 | | | 1 x 63A |
| ● | ● | | | | | ● | Q-MC 200 B PEDESTAL |  | GW 68 831 A | GW 68 831 W | | 44 | | | 1 x 32A |
| | | | | | | | | | GW 68 832 A | GW 68 832 W | | 44 | | | 1 x 32A |
| | | | | | | | | | GW 68 833 A | GW 68 833 W | | 44 | | | 1 x 32A |
| ● | ● | | | | | | Q-MC 200 E ELECTRONICS PEDESTAL |  | GW 68 867 A | GW 68 867 W | | 55 | | | |
| | | | | | | | | | GW 68 868 A | GW 68 868 W | | 55 | | | |
| | | | | | | | | | GW 68 869 A | GW 68 869 W | | 55 | | | |








(*) Residual current device Type A.

WIRED DISTRIBUTION PEDESTALS IN INSULATING MATERIAL



| NO. OF MODULAR PROTECTION AND MONITORING DEVICES | | | | | | TYPE AND NO. SOCKETS INSTALLED | | | | | |
|--|---------|---|---------|---|---------|---|------------------------|---------|----------|--------------------|--------------------------------------|
| RESIDUAL CURRENT DEVICE 30mA AC | | MINIATURE CIRCUIT BREAKERS C CHARACTERISTIC 6kA | | RESIDUAL CURRENT CIRCUIT BREAKERS 30mA AC | | NON-INTERLOCKED | IEC 309 INTERLOCKED | | | SPECIAL SOCKETS | ITA./GER.STD. DOMESTIC SOCKETS |
| 2P | 4P | 2P | 3P | 2P | 4P | 2P+E | 2P+E | 3P+T | 3P+N+T | RJ45+ TV/SAT | 2P+E 10/16A |
| | | | | 1 x 16A | | | 2 x 16A | | | | |
| | | | | 1 x 16A | | | 1 x 16A | | | | 2 |
| | 1 x 40A | 4 x 16A | | | | 6 x 16A | | | | | 2 |
| | 1 x 40A | 3 x 16A | 1 x 16A | | | | 2 x 16A | 1 x 16A | | | 2 |
| | | | | 4 x 16A | | | 4 x 16A | | | | |
| | | | | 2 x 16A 2 x 32A | | | 2 x 16A 2 x 32A | | | | |
| | | | | 4 x 10A * | | | | | | | 4 |
| | | | | 4 x 16A | | | 4 x 16A | | | | |
| | | | | 3 x 16A | 1 x 16A | | 3 x 16A | | 1 x 16A | | |
| | | | | 4 x 32A | | | 4 x 32A | | | | |
| | | | | | 2 x 63A | | | | 2 x 63A | | |
| Earth leakage relay with external toroid | | MTHP 4P C125 16kA | | | | | | | 1 x 125A | | |
| | | | | 4 x 6A | | | 4 x 16A | | | | |
| | | | | 8 x 6A | | 8 x 16A | | | | | |
| | | | | 4 x 6A | | 4 x 16A | | | | 2+2 | |
| | | | | 4 x 16A | | | 4 x 16A | | | | |
| | | | | 2 x 16A | 2 x 16A | | 2 x 16A | | 2 x 16A | | |
| | | | | 1 x 16A | 2 x 25A | | 1 x 16A | | 2 x 32A | | |
| | | | | 4 x 10A | | | 4 x 16A | | | | |
| | | | | 6 x 10A | | | 6 x 16A | | | | |
| | | | | 8 x 10A | | | 8 x 16A | | | | |
| Earth leakage relay with external toroid | | MTX 4P 250A Type N 36kA | | | | Direct coupling without socket | | | | | |
| | | MTX 4P 250A Type N 36kA | | | | 1 Interlocked socket-outlet 250A with electric management | | | | | |
| | | MTX 4P 400A Type N 36 kA | | | | 1 Interlocked socket-outlet 400A with electric management | | | | | |

| FIRE-FIGHTING PEDESTALS | | | |
|---|--------------|---------------|---|
|  | BLUE VERSION | WHITE VERSION | CONFIGURATION |
| | GW 68 721 A | GW 68 721 W | FITTED FOR 6KG FIRE EXTINGUISHER |
| | GW 68 723 A | GW 68 723 W | FITTED FOR 9KG FIRE EXTINGUISHER |
| | GW 68 722 A | GW 68 722 W | FITTED FOR LANCE, HOSE AND SUPPORT |
| | GW 68 729 A | GW 68 729 W | FITTED FOR LANCE, HOSE, SUPPORT AND 6KG FIRE EXTINGUISHER |
| | GW 68 779 | | KIT CONTAINING LANCE, 15M HOSE AND SUPPORT |




|  | BLUE VERSION | WHITE VERSION | TYPE | CONFIGURATION |
|--|--------------|---------------|---------------|---|
| | GW 68 726 A | GW 68 726 W | standard | FITTED FOR LANCE, HOSE AND SUPPORT |
| | GW 68 728 A | GW 68 728 W | high capacity | |
| | GW 68 780 | | | KIT CONTAINING LANCE, 20M HOSE, AND SUPPORT |

| EMPTY DISTRIBUTION PEDESTALS | | | | | | | | |
|---|---------------------|--------------|---------------|---------------|------------------|---------------|--|--|
| | TYPE | BLUE VERSION | WHITE VERSION | GREEN VERSION | EN 50022 MODULES | TAKE-OFF TYPE | SIDE A | SIDE B |
|  | Q-MC 16 B PEDESTAL | GW 68 701 A | GW 68 701 W | | 18 (9x2) | Single-sided | Empty compartment that can be equipped with 1 panel | Empty compartment that can be equipped with 1 water kit |
| | | GW 68 711 A | GW 68 711 W | | 18 (9x2) | Double-sided | Empty compartment that can be equipped with 1 panel | Empty compartment that can be equipped with 1 panel |
|  | Q-MC 16 T PEDESTAL | GW 68 712 A | GW 68 712 W | | 18 (9x2) | Double-sided | Empty compartment that can be equipped with 1 panel | Empty compartment that can be equipped with 1 panel |
|  | Q-MC 63 B PEDESTAL | GW 68 713 A | GW 68 713 W | GW 68 713 G | 18 (9x2) | Double-sided | Empty compartment that can be equipped with 1 panel | Empty compartment that can be equipped with 1 panel |
|  | Q-MC 63 C PEDESTAL | GW 68 714 A | GW 68 714 W | | 18 (9x2) | Double-sided | Empty compartment that can be equipped with 1 panel | Empty compartment that can be equipped with 1 panel |
|  | Q-MC 63 C PEDESTAL | GW 68 716 A | GW 68 716 W | | 36 (9x4) | Double-sided | Empty compartment that can be equipped with 2 panels | Empty compartment that can be equipped with 2 panels |
|  | Q-MC 125 B PEDESTAL | GW 68 715 A | GW 68 715 W | | 14 | Single-sided | Empty compartment with blank retractable door that can be equipped with 1 panel | Empty compartment with blank retractable door that can be equipped with 1 panel |
|  | Q-MC 200 B PEDESTAL | GW 68 717 A | GW 68 717 W | | 28 (14x2) | Double-sided | Empty compartment with blank retractable door that can be equipped with 2 panels | Empty compartment with blank retractable door that can be equipped with 2 panels |

COMPONENTS FOR Q-MC 16 B, 16 T, 63 B AND 63 C
TYPES OF PANELS

| | FOR INTERLOCKED SOCKET-OUTLET ASSEMBLY | | | | | FOR NON-INTERLOCKED SOCKET-OUTLET ASSEMBLY | |
|---|--|---------------|---------------|-------------------------------------|-----|--|-----|
| | BLUE VERSION | WHITE VERSION | GREEN VERSION | TYPE | NO. | TYPE | NO. |
|   | GW 68 745 A | GW 68 745 W | GW 68 745 G | 67 IB range Vertical IP67 16/32A | 2 | | |
| | GW 68 746 A | GW 68 746 W | | 44 IB range Horizontal IP44 16/32A | 2 | | |
| | GW 68 747 A | GW 68 747 W | | COMBIBLOC range IP44 or IP55 16/32A | 2 | IEC309 flush-mounting sockets 16A or 85x75mm flanged lids | 1 |
| | GW 68 748 A | GW 68 748 W | GW 68 748 G | | | IEC309 flush-mounting sockets 16/32A or 85x75mm flanged lids | 4 |
| | GW 68 749 A | GW 68 749 W | | 67 IB range Vertical IP67 63A | 1 | | |
| | GW 68 750 A | GW 68 750 W | GW 68 750 G | blank | | | |

COMPONENTS FOR Q-MC 125 B AND 200 B
TYPES OF PANELS

| | FOR INTERLOCKED SOCKET-OUTLET ASSEMBLY | | | | FOR NON-INTERLOCKED SOCKET-OUTLET ASSEMBLY | |
|---|--|---------------|---------------------------------------|-----|--|-----|
| | BLUE VERSION | WHITE VERSION | TYPE | NO. | TYPE | NO. |
|    | | GW 68 731 W | 67 IB range Vertical IP67 16/32A | 3 | | |
| | | GW 68 732 W | 44 IB range Horizontal IP44 16/32A | 4 | | |
| | | GW 68 733 W | COMBIBLOC range IP44 or IP55 16/32A | 3 | IEC309 flush-mounting sockets 16/32A or 85x75mm flanged lids | 2 |
| | | GW 68 734 W | | | IEC309 flush-mounting sockets 16/32A or 85x75mm flanged lids | 6 |
| | | GW 68 735 W | 67 IB range Vertical IP67 63A | 2 | | |
| | | GW 68 736 W | | | IEC309 flush-mounting sockets 125A | 1 |
| | GW 68 737 A | GW 68 737 W | blank | | | |
| | GW 68 741 A | GW 68 741 W | 14-module control unit panel EN 50022 | | | |

68 Q-MC

Energy and service distribution pedestals

The 68 Q-MC range is the innovative energy and services distribution system for environments such as tourist ports, campsites and public spaces (trade fairs, markets, gardens, etc.) that combines an attractive design with total reliability that is maintained over time thanks to its resistance to chemicals and atmospheric agents. The terminals are available both in AISI 316L stainless steel and in thermoplastic material, in blue, white or green colours. The range includes both pre-wired and empty versions, which can be configured as needed.



Technical characteristics page 1162







COMPACT PEDESTALS IN STAINLESS STEEL AISI 316L

WIRED



GW 68 901

QMC 63 X WIRED PEDESTALS IN STAINLESS STEEL AISI 316L, WITH DOUBLE-FACE TAKE-OFF, EQUIPPED WITH VERTICAL INTERLOCKED SOCKET-OUTLETS - CLASS II - IP56




| | | | | | | | |
|---|---|---|---|--|---|--|----------------|
|  |  |  |  |  |  | | |
| Code | Socket-outlets 2P+E 16A | Socket-outlets 3P+N+E 16A | Socket-outlets 3P+N+E 32A | Socket-outlets 3P+N+E 63A | Socket-outlets 3P+N+E 63A | | Pack Carton |
| GW 68 901 | 4 | | | | | | 1 |
| GW 68 902 | 2 | 2 | | | | | 1 |
| GW 68 903 | 2 | | 2 | | | | 1 |
| GW 68 904 | | | | | 2 | | 1 |

PROTECTIONS:
GW68901: Board In: 25 A.
Main switch disconnecter 4P 32 A;
4 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0.03 A - AC Type for the four 2P+E 16 A 230 V socket-outlets.
GW68902: Board In: 40 A.
Main switch disconnecter 4P 63 A;
2 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0.03 A - AC Type for the two 2P+E 16 A 230 V socket-outlets;
2 RCBO - MDC Range 4P 400 V 16 A C characteristic 6 kA 0.03 A - AC Type for the two 3P+N+E 16 A 400 V socket-outlets.
GW68903: Board In: 64 A
Main switch disconnecter 4P 80 A;
2 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0.03 A - AC Type for the two 2P+E 16 A 230 V socket-outlets;
2 RCBO - MDC Range 4P 400 V 32 A C characteristic 6 kA 0.03 A - AC Type for the two 3P+N+E 32 A 400 V socket-outlets.
GW68904: Board In: 90 A
2 RCBO MT+BD 4P 400 V 63 A C characteristic 10 kA 0.03 A - AC type for the 2 3P+N+E 63 A 400 V socket-outlets.
CHARACTERISTICS: Head in heat-absorbing thermoplastic material, base in stainless steel with easily removable knock-proof and anti-abrasion protective cover in insulating material.
Power supply terminal block section: GW68901 and GW68902 16 mm², GW68903 and GW68904 35 mm².
ACCESSORIES SUPPLIED: 1 LED lighting lamp 230 V;
GW68901, GW68902 and GW68903: 4 padlockable 1/2" ball valves; GW68904: 2 padlockable 1/2" ball valves.
NOTE: Products will be supplied in the configuration with the new design, as shown in the picture, and with the LED lighting KIT installed as standard, only after having sold out the previous one.



GW 68 905

QMC 63 X WIRED PEDESTAL IN STAINLESS STEEL AISI 316L WITH DOUBLE-FACE TAKE-OFF EQUIPPED WITH IEC 309 SOCKET-OUTLETS - CLASS II - IP56

| | | |
|---|----------------------------|----------------|
|    | | |
| Code | Socket-outlets 2P+E 16A | Pack Carton |
| GW 68 905 | 6 | 1 |

Board In: 25 A.
PROTECTIONS: Main switch disconnecter 4P 32 A;
6 RCBO - MDC Range 2P 230 V 16 A C characteristic 6 kA 0.03 A - AC Type for the six 2P+E 16 A 230 V socket-outlets.
CHARACTERISTICS: Head in heat-absorbing thermoplastic material, base in stainless steel with easily removable knock-proof and anti-abrasion protective cover in insulating material.
Power supply terminal block section: 16 mm².
ACCESSORIES SUPPLIED: 1 LED lighting lamp 230 V.
NOTE: Products will be supplied in the configuration with the new design, as shown in the picture, and with the LED lighting KIT installed as standard, only after having sold out the previous one.

EMPTY



GW 68 931

EMPTY PEDESTAL IN STAINLESS STEEL AISI 316L WITH DOUBLE-FACE TAKE-OFF QMC 63X - CLASS II - IP56

| Code | Type | Possible configuration | Possible configuration | No. of modules EN 50022 | Pack Carton |
|-----------|--------------|------------------------|------------------------|-------------------------|-------------|
| GW 68 931 | Double-sided | Side A: 1 panel | Side B: 1 panel | 18 (9x2) | 1 |

CHARACTERISTICS: 18-module enclosure with hinged opening, that can be fitted with security lock, for access to modular devices.

prearrangement for lighting kit 16W 230V and water kit with 2 or 4 padlockable 1/2" water taps, available as accessories.

double-face take-off with cable fastener devices on sides A and B.

Head in heat-absorbing thermoplastic material, base in stainless steel with easily removable knock-proof and anti-abrasion protective cover in insulating material.

ACCESSORIES SUPPLIED: junction box for housing power supply terminal block.

NOTES: possibility of creating AISI 316 stainless steel terminals equipped with an electronic system: for further information, contact SAT (Customer service).

FIREFIGHTING



GW 68 921

FIRE-FIGHTING PEDESTAL IN STAINLESS STEEL AISI 316L, WITH HOUSING FOR FIRE EXTINGUISHER

| Code | Housable fire extinguisher | Side A | Side B | Pack Carton |
|-----------|----------------------------|---------------|---------------|-------------|
| GW 68 921 | 6 kg | Tear-off door | Tear-off door | 1 |

CHARACTERISTICS: accessible from both sides, by tearing off the special door.

Pre-arranged for 1 ordinary lighting lamp or 1 emergency lighting lamp available as accessories.

Head in heat-absorbing thermoplastic material, base in stainless steel with easily removable knock-proof and anti-abrasion protective cover in insulating material.



GW 68 923

FIRE-PREVENTION PEDESTAL IN STAINLESS STEEL AISI 316L PREARRANGED FOR HOUSING LANCE AND HOSE

| Code | Type | Side A | Side B | Pack Carton |
|-----------|--------------|---------------|---------------|-------------|
| GW 68 923 | Double-sided | Tear-off door | Tear-off door | 1 |

CHARACTERISTICS: accessible from both sides, by tearing off the special door.

Pre-arranged for 1 ordinary lighting lamp or 1 emergency lighting lamp available as accessories.

Head in heat-absorbing thermoplastic material, base in stainless steel with easily removable knock-proof and anti-abrasion protective cover in insulating material.





COMPACT PEDESTAL IN INSULATED MATERIAL

WIRED



GW 68 841

QMC 16 B WIRED PEDESTALS WITH SINGLE-FACE TAKE-OFF
EQUIPPED WITH VERTICAL INTERLOCKED SOCKET-OUTLETS AND DOMESTIC SOCKET-OUTLETS - IP55 - IP56






| Code | Socket-outlet 2P+E 16A | German Std socket-outlet 16A | Pack Carton |
|--------------------|---------------------------|---------------------------------|----------------|
| Colour: Light blue | | | |
| GW 68 841 A | 2 | | 1 |
| GW 68 842 A | 1 | 2 | 1 |
| Colour: White | | | |
| GW 68 841 W | 2 | | 1 |
| GW 68 842 W | 1 | 2 | 1 |

PROTECTIONS:
GW68841A/W: Board In: 14 A; 1 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0,03 A - AC Type
GW68842A/W: Board In: 14 A; 1 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0,03 A - AC Type
ACCESSORIES SUPPLIED: 1 LED lighting lamp 230V; nr.2 lockable 1/2" water taps.
CHARACTERISTICS: stainless steel cable fastener devices; enclosure with hinged opening that can be fitted with security lock, for access to modular devices.
GW68841A/W: protection degree IP56.
GW68842A/W: protection degree IP55.
Power supply terminal block section: 16 mm². Pedestal dimensions: 445x625x300 mm (LxHxD).



GW 68 846

QMC 16 T TRANSPORTABLE WIRED PEDESTALS WITH DOUBLE-FACE TAKE-OFF
EQUIPPED WITH VERTICAL INTERLOCKED AND NON-INTERLOCKED SOCKET-OUTLETS - IP55

| <div><div></div><div></div><div></div><div></div><div></div></div> | | | | |
|---|---|-----------------------------|---------------------------------|----------------|
| Code | Socket-outlet 2P+E 16A | Socket-out 3P+E 16A | German Std socket-outlet 16A | Pack Carton |
| Colour: Light blue | | | | |
| GW 68 846 A | 6 non-interlocked (4 side A - 2 side B) | | 2 (only side B) | 1 |
| GW 68 847 A | 2 Interlocked (only side A) | 1 Interlocked (only side B) | 2 (only side B) | 1 |
| Colour: White | | | | |
| GW 68 846 W | 6 non-interlocked (4 side A - 2 side B) | | 2 (only side B) | 1 |
| GW 68 847 W | 2 Interlocked (only side A) | 1 Interlocked (only side B) | 2 (only side B) | 1 |

PROTECTIONS:
GW68846A/W: Board In: 25A; Main RCD 4P 40 A 0.03 A AC Type;
3 MCB - MTC Range 2P 230 V 16 A C 6 kA for the six 2P+E 16 A 230 V non-interlocked socket-outlets
1 MCB - MTC Range 2P 230 V 16 A C 6 kA for the two 2P+E 10/16 A 230 V domestic socket-outlets
GW68847A/W: Board In: 25A; Main RCD 4P 40 A 0.03 A AC Type;
2 MCB - MTC Range 2P 230 V 16 A C 6 kA for the two 2P+E 16 A 230 V interlocked socket-outlets
1 MCB - MTC Range 3P 400 V 16 A C 6 kA for the 3P+E 16 A 400 V interlocked socket-outlet;
1 MCB - MTC Range 2P 230 V 16 A C 6 kA for the two 2P+E 10/16 A 230 V domestic socket-outlets
ACCESSORIES SUPPLIED: plug IEC 309 for supply GW68846 and GW68847 3P+N+E 32A 400V; 5 mt of H 07 RN - F cable for supply;
1 LED lighting lamp 16W 230V.
CHARACTERISTICS: enclosure with hinged opening that can be fitted with security lock, for access to modular devices.
Pedestal dimensions: 445x697x346 mm (LxHxD).
NOTE: products will be supplied with the new version, as shown in the picture and with LED lighting lamp, only after having sold out the previous one.



GW 68 851

QMC 63 B WIRED PEDESTALS WITH DOUBLE-FACE TAKE-OFF EQUIPPED WITH VERTICAL INTERLOCKED SOCKET-OUTLETS - IP56



| Code | Socket-outlet 2P+E 16A | Socket-out 2P+E 32A | Pack Carton |
|---------------------------|---------------------------|------------------------|----------------|
| Colour: Light blue | | | |
| GW 68 851 A | 4 (2 for side) | | 1 |
| GW 68 852 A | 2 (1 for side) | 2 (1 for side) | 1 |
| Colour: White | | | |
| GW 68 851 W | 4 (2 for side) | | 1 |
| GW 68 852 W | 2 (1 for side) | 2 (1 for side) | 1 |

PROTECTIONS:

GW68851A/W: Board In: 25 A; Main switch disconnecter 4P 32 A;

4 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0.03 A - AC Type for the four 2P+E 16 A 230 V socket-outlets.

GW68852A/W: Board In: 25 A; Main switch disconnecter 4P 32 A;

2 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0.03 A - AC Type for the two 2P+E 16 A 230 V socket-outlets;

2 RCBO - MDC Range 2P 230 V 32 A C characteristic 6 kA 0.03 A - AC Type for the two 2P+E 32 A 230 V socket-outlets.

ACCESSORIES SUPPLIED: 1 LED lighting lamp 230 V; 4 padlockable 1/2" ball valves.

CHARACTERISTICS: stainless steel cable fastener devices; enclosure with hinged opening that can be fitted with security lock, for access to modular devices.

Power supply terminal block section: 16 mm². Pedestal dimensions: 445x950x300 mm (LxHxD).

NOTE: Products will be supplied in the configuration with the new design, as shown in the picture, and with the LED lighting KIT installed as standard, only after having sold out the previous one.



GW 68 855 G

QMC 63 B WIRED PEDESTAL WITH DOUBLE FACE TAKE-OFF EQUIPPED WITH DOMESTIC SOCKETS - IP55



| Code | German Std socket-outlet 16A | Pack Carton |
|----------------------|---------------------------------|----------------|
| Colour: Green | | |
| GW 68 855 G | 4 (2 for side) | 1 |

PROTECTIONS: Board In: 32A, Main switch 40A 4P.

4 RCBO - MDC range 2P 230V 10A C 6kA 0,03A - A type for the 2P+E 230V domestic sockets..

CHARACTERISTICS: enclosure with hinged opening that can be fitted with security lock for access to modular devices. Stainless steel cable fastener devices. power supply terminal section:16mm². Pedestal dimensions: 445x950x300 mm (LxHxD).



GW 68 856

QMC 63 C WIRED PEDESTALS WITH DOUBLE-SIDED TAKE-OFF EQUIPPED WITH INTERLOCKED COMBIBLOC SOCKET-OUTLETS - IP55



| Code | Socket-outlet 2P+E 16A | Pack Carton |
|---------------------------|---------------------------|----------------|
| Colour: Light blue | | |
| GW 68 856 A | 4 (2 for side) | 1 |
| Colour: White | | |
| GW 68 856 W | 4 (2 for side) | 1 |

Board In: 20A

PROTECTIONS: Main switch disconnecter 2P 32A;

4 RCBO - MDC Range 2P 230 V 6 A C 6 kA 0,03 A - AC Type for the four 2P+E 16 A 230 V interlocked socket-outlets

CHARACTERISTICS: stainless steel cable fastener devices; enclosure with hinged opening that can be fitted with security lock, for access to modular devices.






Power supply terminal block section: 16 mm². Pre-arrangement for LED lighting lamp 230V; pre-arrangement for nr. 2 or 4 padlockable 1/2" water taps.

Pedestal dimensions: 445x1284x300 mm (LxHxD).



GW 68 857

QMC 63 C WIRED DOUBLE-SIDED TAKE-OFF PEDESTALS
EQUIPPED WITH NON-INTERLOCKED IEC 309 SOCKET-OUTLETS - IP55 - IP56

| <div><div></div><div></div><div></div><div></div><div></div></div> | | | | |
|---|---------------------------|----------------------|------------------------|----------------|
| Code | Socket-outlet 2P+E 16A | Socket-out TV/SAT | Socket-out TEL/DATA | Pack Carton |
| Colour: Light blue | | | | |
| GW 68 857 A | 8 (4 for side) | | | 1 |
| GW 68 858 A | 4 (2 for side) | 4 (2 for side) | 4 (2 for side) | 1 |
| Colour: White | | | | |
| GW 68 857 W | 8 (4 for side) | | | 1 |
| GW 68 858 W | 4 (2 for side) | 4 (2 for side) | 4 (2 for side) | 1 |

PROTECTIONS:
GW68857A/W: Board In: 32A; Main switch disconnecter 2P 40A;
8 RCBO - MDC Range 2P 230 V 6 A C 6 kA 0,03 A - AC Type for the eight 2P+E 16 A 230 V non-interlocked socket-outlets
GW68858A/W: Board In: 25A; Main switch disconnecter 2P 32A;
4 RCBO - MDC Range 2P 230 V 6 A C 6 kA 0,03 A - AC Type for the four 2P+E 16 A 230 V non-interlocked socket-outlets
CHARACTERISTICS: stainless steel cable fastener devices;
enclosure with hinged opening that can be fitted with security lock, for access to modular devices.
Power supply terminal block section: 16 mm². Pre-arrangement for LED lighting lamp 230V; pre-arrangement for nr. 2 or 4 lockable spherical 1/2" water taps.
GW68857A/W: protection degree IP56.
GW68858A/W: protection degree IP55.
Pedestal dimensions: 445x1284x300 mm (LxHxD).
NOTE: products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.

WIRED WITH ELECTRONIC SYSTEM



GW 68 876

QMC 63 E WIRED PEDESTALS WITH DOUBLE-FACE TAKE-OFF FOR PREPAID, CENTRALISED ELECTRONIC MANAGEMENT SYSTEM WITH VERTICAL INTERLOCKED SWITCHED SOCKET-OUTLETS - IP56



| Code | Socket-outlet 2P+E 16A | Socket-outlet 3P+N+E 16A | Socket-out 2P+E 32A | Pack Carton |
|---------------------------|---------------------------|-----------------------------|------------------------|----------------|
| Colour: Light blue | | | | |
| GW 68 876 A | 4 (2 for side) | | | 1 |
| GW 68 877 A | 3 | 1 | | 1 |
| GW 68 878 A | | | 4 (2 for side) | 1 |
| Colour: White | | | | |
| GW 68 876 W | 4 (2 for side) | | | 1 |
| GW 68 877 W | 3 | 1 | | 1 |
| GW 68 878 W | | | 4 (2 for side) | 1 |

PROTECTIONS:

GW68876A/W: Board In: 25 A; Main switch disconnecter 4P 32 A;

4 MDC 2P 16 A 0.03 A one-way switches, class AC 6 kA for the 4 2P+E 16 A 230 V socket-outlets.

GW68877A/W: Board In: 25 A; Main switch disconnecter 4P 32 A;

3 MDC 2P 16 A 0.03 A one-way switches, class AC 6 kA for the 3 2P+E 16 A 230 V socket-outlets;

1 MDC 4P 16 A 0.03 A one-way switch, class AC 6 kA for the 3P+N+E 16 A 400 V socket-outlet.

GW68878A/W: Board In: 50 A; Main switch disconnecter 4P 63 A;

4 MDC 2P 32 A 0.03 A one-way switches, class AC 6 kA for the 4 2P+E 32 A 230 V socket-outlets.

ACCESSORIES SUPPLIED: 1 LED lighting lamp 230 V; 4 padlockable 1/2" ball valves.

CHARACTERISTICS: stainless steel cable fastener devices; enclosure with hinged opening that can be fitted with security lock, for access to modular devices.

Power supply terminal block section: 16 mm²; Pedestal dimensions: 445x1284x300 mm (LxHxD).

NOTES: for technical-commercial information, please contact your local sales representative or SAT (035 946 111).

products will be supplied with the new version, as shown in the picture and with LED lighting lamp, only after having sold out the previous one.



GW 68 874

QMC 63 E WIRED PEDESTALS WITH DOUBLE-FACE TAKE-OFF FOR PREPAID CENTRALISED ELECTRONIC MANAGEMENT SYSTEM, EQUIPPED WITH VERTICAL INTERLOCKED SOCKET-OUTLETS - IP56



| Code | Socket-out 3P+N+E 63A | Socket-out 3P+N+E 125A | Pack Carton |
|---------------------------|--------------------------|---------------------------|----------------|
| Colour: Light blue | | | |
| GW 68 874 A | 2 (1 for side) | | 1 |
| GW 68 875 A | | 1 | 1 |
| Colour: White | | | |
| GW 68 874 W | 2 (1 for side) | | 1 |
| GW 68 875 W | | 1 | 1 |

PROTECTIONS:

GW68874A/W: Board In: 90 A.

2 RCBO MT+BD 4P 400 V 63 A C characteristic 10 kA 0.03 A - AC type for the 2 3P+N+E 63 A 400 V socket-outlets.

GW68875A/W: Board In: 90 A.

1 miniature circuit breaker with earthing residual current relay with separate toroid MTHP 4P 400 V 125 A C characteristic 16 kA for 125 A socket-outlet.

ACCESSORIES SUPPLIED: 1 LED lighting lamp 230 V;

GW68874A/W: 2 padlockable 1/2" ball valves; GW68875A/W: 2 padlockable 1/2" ball valves;

CHARACTERISTICS: stainless steel cable fastener devices; enclosure with hinged opening that can be fitted with security lock, for access to modular devices.

Power supply terminal block section: GW68874A/W 35 mm²; GW68875A/W 35 mm²; Pedestal dimensions: 445x1284x300 mm (LxHxD).

NOTES: for technical-commercial information, please contact your local sales representative or SAT (035 946 111).

ACCESS CONTROL



GW 68 998

SURFACE-MOUNTING TRANSPONDER READER FOR ACCESS CONTROL - IP56

| Code | Description | Material | Colour | Pack Carton |
|-----------|-----------------------------------|---------------|---------------|----------------|
| GW 68 998 | ③ surface-mounting access control | Thermoplastic | Grey RAL 7012 | 1 |

APPLICATION: The access control can be integrated in the system with 68 Q-MC terminal boards with electronic management in order to allow the access of people in determined areas, or to enable the use of specific services.

ACCESSORIES SUPPLIED: n. 2 M12 cable gland; screwcaps for double insulation; screws for the sealing of the frontal.

EMPTY



GW 68 701

EMPTY PEDESTALS Q-MC 16 B - IP56

| Code | Type | Possible configuration | Possible configuration | No. of modules EN 50022 | Pack Carton |
|---------------------------|--------------|------------------------|------------------------|-------------------------|-------------|
| Colour: Light blue | | | | | |
| GW 68 701 A | Single-sided | Side A: 1 panel | Side B: 1 water kit | 18 (9x2) | 1 |
| GW 68 711 A | Double-sided | Side A: 1 panel | Side B: 1 panel | 18 (9x2) | 1 |
| Colour: White | | | | | |
| GW 68 701 W | Single-sided | Side A: 1 panel | Side B: 1 water kit | 18 (9x2) | 1 |
| GW 68 711 W | Double-sided | Side A: 1 panel | Side B: 1 panel | 18 (9x2) | 1 |

ACCESSORIES SUPPLIED: junction box for housing power supply terminal block.

CHARACTERISTICS: 18-module enclosure with hinged opening, that can be fitted with security lock, for access to modular devices; prearrangement for lighting kit 230V, available as an accessory.

GW68701A/W: single-face take-off with cable fastener devices only on side A; GW68711A/W: double-face take-off with cable fastener devices on sides A and B; Pedestal dimensions: 445x625x300 mm (LxHxD).



GW 68 712

EMPTY TRANSPORTABLE PEDESTAL Q-MC 16 T - IP56

| Code | Type | Possible configuration | Possible configuration | No. of modules EN 50022 | Pack Carton |
|---------------------------|--------------|------------------------|------------------------|-------------------------|-------------|
| Colour: Light blue | | | | | |
| GW 68 712 A | Double-sided | Side A: 1 panel | Side B: 1 panel | 18 (9x2) | 1 |
| Colour: White | | | | | |
| GW 68 712 W | Double-sided | Side A: 1 panel | Side B: 1 panel | 18 (9x2) | 1 |

CHARACTERISTICS: 18-module enclosure with hinged opening, that can be fitted with security lock, for access to modular devices; prearrangement for lighting kit 230V, available as an accessory. Pedestal dimensions: 445x697x346 mm (LxHxD).



GW 68 713

EMPTY PEDESTAL Q-MC 63 B - IP56

| Code | Type | Possible configuration | Possible configuration | No. of modules EN 50022 | Pack Carton |
|---------------------------|--------------|------------------------|------------------------|-------------------------|-------------|
| Colour: Light blue | | | | | |
| GW 68 713 A | Double-sided | Side A: 1 panel | Side B: 1 panel | 18 (9x2) | 1 |
| Colour: White | | | | | |
| GW 68 713 W | Double-sided | Side A: 1 panel | Side B: 1 panel | 18 (9x2) | 1 |
| Colour: Green | | | | | |
| GW 68 713 G | Double-sided | Side A: 1 panel | Side B: 1 panel | 18 (9x2) | 1 |

ACCESSORIES SUPPLIED: junction box for housing power supply terminal block.

CHARACTERISTICS: 18-module enclosure with hinged opening, that can be fitted with security lock, for access to modular devices; prearrangement for lighting kit 230V and water kit with 2 or 4 padlockable spherical taps of 1/2", available as accessories; double-face take-off with cable fastener devices on sides A and B. Pedestal dimensions: 445x950x300 mm (LxHxD).



GW 68 714

EMPTY PEDESTAL Q-MC 63 C - IP56

| Code | Type | Possible configuration | Possible configuration | No. of modules EN 50022 | Pack Carton |
|---------------------------|--------------|------------------------|------------------------|-------------------------|-------------|
| Colour: Light blue | | | | | |
| GW 68 714 A | Double-sided | Side A: 1 panel | Side B: 1 panel | 18 (9x2) | 1 |
| GW 68 716 A | Double-sided | Side A: 2 panels | Side B: 2 panels | 36 (9x4) | 1 |
| Colour: White | | | | | |
| GW 68 714 W | Double-sided | Side A: 1 panel | Side B: 1 panel | 18 (9x2) | 1 |
| GW 68 716 W | Double-sided | Side A: 2 panels | Side B: 2 panels | 36 (9x4) | 1 |

ACCESSORIES SUPPLIED: junction box for housing power supply terminal block.

GW68716A/W dual 18-module enclosure with hinged opening, can be equipped with a security lock.

CHARACTERISTICS: 18-module enclosure with hinged opening, that can be fitted with security lock, for access to modular devices; prearrangement for lighting kit 16W 230V and water kit with 2 or 4 padlockable 1/2" water taps, available as accessories; double-face take-off with cable fastener devices on sides A and B. Pedestal dimensions: 445x1284x300 mm (LxHxD).

FIREFIGHTING



GW 68 723

FIRE FIGHTING PEDESTAL WITH HOUSING FOR EXTINGUISHER

| Code | Type | Height (mm) | Housable fire extinguisher | Pack Carton |
|---------------------------|-------------------|-------------|----------------------------|-------------|
| Colour: Light blue | | | | |
| GW 68 721 A | Compact 2 modules | 950 | 6 kg | 1 |
| GW 68 723 A | Compact 3 modules | 1284 | 9 kg | 1 |
| Colour: White | | | | |
| GW 68 721 W | Compact 2 modules | 950 | 6 kg | 1 |
| GW 68 723 W | Compact 3 modules | 1284 | 9 kg | 1 |

CHARACTERISTICS: accessible from both sides, by tearing off the special door.

Fitted for 1 ordinary lighting kit or 1 emergency lighting kit, available as accessories.

Pedestal dimensions GW68721A/W: 445x950x300 mm (LxHxD). Pedestal dimensions GW68723A/W: 445x1284x300 mm (LxHxD).



GW 68 722

COMPLETE FIRE FIGHTING PEDESTAL PRE-ARRANGED FOR HOUSING HOSE AND LANCE

| Code | Type | Height (mm) | Pack Carton |
|---------------------------|-------------------|-------------|-------------|
| Colour: Light blue | | | |
| GW 68 722 A | Compact 2 modules | 950 | 1 |
| Colour: White | | | |
| GW 68 722 W | Compact 2 modules | 950 | 1 |

CHARACTERISTICS: accessible from both sides, by tearing off the special door.

Pre-arranged for 1 ordinary lighting lamp or 1 emergency lighting lamp available as accessories.

Pedestal dimensions: 445x950x300 mm (LxHxD).



GW 68 729

FIRE FIGHTING PEDESTAL PRE-ARRANGED FOR HOUSING LANCE, HOSE AND FIRE EXTINGUISHER

| Code | Type | Height (mm) | Housable fire extinguisher | Pack Carton |
|---------------------------|-------------------|-------------|----------------------------|-------------|
| Colour: Light blue | | | | |
| GW 68 729 A | Compact 3 modules | 1284 | 6 kg | 1 |
| Colour: White | | | | |
| GW 68 729 W | Compact 3 modules | 1284 | 6 kg | 1 |

CHARACTERISTICS: accessible from both sides, by tearing off the special door.

Pre-arranged for 1 ordinary lighting lamp or 1 emergency lighting lamp available as accessories.

Pedestal dimensions: 445x1284x300 mm (LxHxD).



GW 68 779

KIT CONTAINING LANCE, HOSE AND SUPPORT

| Code | Description | For terminals | Pack Carton |
|-----------|--|----------------------|----------------|
| GW 68 779 | 15m hose, 1 1/2" lance and accessories | GW68722/29 - GW68923 | 1 |

CHARACTERISTICS: lance type UNI EN 671-2.



GW 68 798

TEAR OFF DOOR FOR FIRE FIGHTING VERSION

| Code | Spare part for | Pack Carton |
|-----------|-------------------------|----------------|
| GW 68 777 | GW68721/22 - GW68921/23 | 1 |
| GW 68 798 | GW68723/29 | 1 |

COMPLEMENTARY ITEMS FOR PREPAID AND CENTRALISED ELECTRONIC SYSTEM



GW 68 991

TRANSPONDER KEY PROGRAMMING KIT (PREPAID / CENTRALISED SYSTEM)

| Code | Description | Pack Carton |
|-----------|---|----------------|
| GW 68 991 | Programming console and s/w for PC with USB key | 1 |

NOTES: To be used with terminal boards with electronic management system and with access control GW68998.
for technical-commercial information, please contact your local sales representative or SAT (035 946 111).



GW 68 992

TRANSPONDER KEY (PREPAID / CENTRALISED SYSTEM)

| Code | Description | N. Keys | Pack Carton |
|-----------|---------------------------|------------|----------------|
| GW 68 992 | Transponder key to encode | 1 | 1/10 |

NOTES: To be used with terminal boards with electronic management system and with access control GW68998.
for technical-commercial information, please contact your local sales representative or SAT (035 946 111).



GW 68 994

RS485/USB INSULATED CONVERTER WITH TERMINAL BLOCK

| Code | Description | Pack Carton |
|-----------|---------------------|----------------|
| GW 68 994 | USB/RS485 converter | 1 |

NOTES: To be used with terminal boards with electronic management system and with access control GW68998.
for technical-commercial information, please contact your local sales representative or SAT (035 946 111).
The converter RS485/USB can manage up to 250 pedestals for line. In case of more lines is necessary to use more converters GW68994.
For the use of more lines please verify that the PC has more USB doors available. Use an Hub for have other USB.



GW 68 995

KIT FOR CENTRALISED SYSTEM

| Code | Description | Pack Carton |
|-----------|--|----------------|
| GW 68 995 | Management software with USB key and converter | 1 |

COMPOSITION:

1 USB key for PC;

1 USB-RS485 converter;

1 Sw for management To be used with terminal boards with electronic management system and with access control GW68998.

NOTE: for technical-commercial information, please contact your local sales representative or SAT (035 946 111).

General note for centralised system: For the wiring of the pedestals, in a centralised system, is necessary to use an RS485 Bus cable. The cable must be an armed and twisted with a couple of wires 0.22mm² and 120Ohm impedance of the cable.

Some cables suitable for centralised system: BELDEN P/N 9841, ITC/CDT 1457Y and CEAM CPR 6003.

COMPLEMENTARY ITEMS FOR COMPACT PEDESTALS

PANELS



GW 68 748 A

FLANGED PANELS PREARRANGED FOR ASSEMBLY OF SOCKET-OUTLETS

| Code | No. IB socket-outlets houseable | No of IEC 309 socket-outlets that can be housed | Pack Carton |
|---------------------------|---------------------------------|---|-------------|
| Colour: Light blue | | | |
| GW 68 745 A | 2 IB Vert. 16-32A IP67 | | 1/2 |
| GW 68 746 A | 2 IB Horiz. 16-32A SBF IP44 | | 1/2 |
| GW 68 747 A | 2 COMBIBLOC 16-32A IP44/55 | 1 IEC 309 16A 2P+E IP44/67 | 1/2 |
| GW 68 748 A | | 4 IEC 309 16-32A IP44/67 | 1/2 |
| GW 68 749 A | 1 IB Vert. 63A IP67 | | 1/2 |
| Colour: White | | | |
| GW 68 745 W | 2 IB Vert. 16-32A IP67 | | 1/2 |
| GW 68 746 W | 2 IB Horiz. 16-32A SBF IP44 | | 1/2 |
| GW 68 747 W | 2 COMBIBLOC 16-32A IP44/55 | 1 IEC 309 16A 2P+E IP44/67 | 1/2 |
| GW 68 748 W | | 4 IEC 309 16-32A IP44/67 | 1/2 |
| GW 68 749 W | 1 IB Vert. 63A IP67 | | 1/2 |
| Colour: Green | | | |
| GW 68 745 G | 2 IB Vert. 16-32A IP67 | | 1/2 |
| GW 68 748 G | | 4 IEC 309 16-32A IP44/67 | 1/2 |

ACCESSORIES SUPPLIED: screws for fixing panel.

CHARACTERISTICS: dimensions (LxHxD): 211x276x17 mm.



GW 68 750 A

BLANK PANEL

| Code | Description | Pack Carton |
|---------------------------|-------------|-------------|
| Colour: Light blue | | |
| GW 68 750 A | Blank panel | 1/2 |
| Colour: White | | |
| GW 68 750 W | Blank panel | 1/2 |
| Colour: Green | | |
| GW 68 750 G | Blank panel | 1/2 |

ACCESSORIES SUPPLIED: screws for fixing panel.

CHARACTERISTICS: dimensions (LxHxD): 211x276x17 mm.

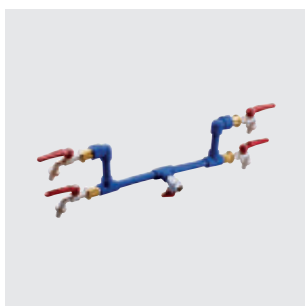
SERVICE COMPLEMENTARY ITEMS



GW 68 789

POWER SUPPLY TERMINAL BLOCKS FOR COMPACT TERMINALS

| Code | Terminal blocks | For cables | Terminal type | Rail type | Pack Carton |
|-----------|-----------------|--------------------------|---------------|-----------|-------------|
| GW 68 788 | 3P+N+E | Up to 16 mm ² | Modular | EN 50035 | 1 |
| GW 68 789 | 3P+N+E | Up to 35 mm ² | With eyelet | EN 50035 | 1 |
| GW 68 800 | 3P+N+E | Up to 70 mm ² | With eyelet | EN 50035 | 1 |



GW 68 794

WATER KIT WITH LOCKABLE TAPS

| Code | Input | Output | Suitable for | Pack Carton |
|-----------|-----------------|----------------|-----------------|-------------|
| GW 68 792 | N. 1 valve 1/2" | N. 2 taps 1/2" | QMC 16 B | 1 |
| GW 68 793 | N. 1 valve 1/2" | N. 2 taps 1/2" | QMC 63 B / 63 C | 1 |
| GW 68 794 | N. 1 valve 1/2" | N. 4 taps 1/2" | QMC 63 B / 63 C | 1 |

ACCESSORIES SUPPLIED: adjustment fittings and nuts for pedestals.



GW 68 790

LIGHTING KIT FOR COMPACT TERMINALS

| Code | Lamp | Lamp power | Voltage | Lamp holder | Pack Carton |
|-----------------------------------|------|------------|--------------------|-------------|-------------|
| Lighting: Ordinary | | | | | |
| GW 68 790 | F55 | 16 W | 230 V - 50 Hz | GR8 | 1 |
| Lighting: EMERGENCY TYPE M | | | | | |
| GW 68 791 | F55 | 16 W | 230 V - 50 / 60 Hz | GR10 | 1 |

ACCESSORIES SUPPLIED: lamp and supply cable.

CHARACTERISTICS: GW68791 permanent emergency lighting, equipped with double supply circuit, keeps the Ni/C storage batteries charged; autonomy 1h



GW 68 990

LIGHTING KIT FOR COMPACT TERMINALS - LED TECHNOLOGY



| Code | Lamp | System power | Colour temperature | Pack Carton |
|--------------------------------------|------|--------------|--------------------|-------------|
| Voltage: 220/240 V - 50/60 Hz | | | | |
| GW 68 990 | LED | 8.7 W | 4000 K | 1 |

CHARACTERISTICS: the lighting KIT with LED technology enables electricity savings of up to 66%.

NOTES: due to the continuous changes with the LED technologies, the technical data can undertake variations.



GW 68 770

COMPRESSED AIR KIT

| Code | Maximum operating pressure | Input | Output | Pack Carton |
|-----------|----------------------------|-----------------|---------------------------------------|-------------|
| GW 68 770 | 6 bar | N. 1 valve 1/2" | 1 quick connection valve, female 3/8" | 1 |

ACCESSORIES SUPPLIED: adjustment fittings and nuts for pedestals.



GW 68 796

FIXING PLATE

| Code | Description | Application | Material | Pack Carton |
|-----------|------------------|--------------------|-----------------|-------------|
| GW 68 796 | Plate for fixing | On concrete | Stainless steel | 1 |
| GW 68 781 | Plate for fixing | On MARTINI pontoon | Stainless steel | 1 |
| GW 68 782 | Plate for fixing | On INGEMAR pontoon | Stainless steel | 1 |



GW 68 776

SECURITY LOCK WITH KEY

| Code | Suitable for | For terminals | Pack Carton |
|-----------|--------------------------|----------------------------------|-------------|
| GW 68 776 | Enc. door and blank door | Q-MC in insulating material | 1/5 |
| GW 68 778 | Enc. door and blank door | Q-MC in stainless steel material | 1/5 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: all the keys and relative locks with the same product code are identical.



GW 68 799

FAULT SIGNALLING DEVICE

| Code | Description | Pack Carton |
|-----------|--|-------------|
| GW 68 799 | High efficiency LED with power supply unit | 1 |

STANDARD PEDESTAL IN INSULATED MATERIAL

WIRED



GW 68 801

WIRED PEDESTALS WITH SINGLE-SIDED TAKE-OFF QMC 125 B EQUIPPED WITH HORIZONTAL INTERLOCKED SOCKET-OUTLETS - IP44



| Code | Socket-outlet 2P+E 16A | Socket-outlet 3P+N+E 16A | Pack Carton |
|---------------------------|---------------------------|-----------------------------|----------------|
| Colour: Light blue | | | |
| GW 68 801 A | 4 | | 1 |
| GW 68 802 A | 2 | 2 | 1 |
| Colour: White | | | |
| GW 68 801 W | 4 | | 1 |
| GW 68 802 W | 2 | 2 | 1 |

PROTECTIONS:

GW68801A/W: Board In: 25 A; Main switch disconnecter 4P 32A;
4 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0,03 A - AC Type for the four 2P+E 16 A 230 V socket-outlets
GW68802A/W: Board In: 40 A; Main switch disconnecter 4P 63 A;
2 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0,03 A - AC Type for the two 2P+E 16 A 230 V socket-outlets;
2 RCBO - MDC Range 4P 400 V 16 A C 6 kA 0,03 A - AC Type for the two 3P+N+E 16 A 400 V socket-outlets

ACCESSORIES SUPPLIED: 2 fluorescent lighting lamps 11W 230V;

4 padlockable 1/2" ball valves;

2 supports for flexible conduit GW68762.

CHARACTERISTICS: side A: user socket-outlets, cable guide with cable fastener devices, blank retractable door;

side B: enclosure complete with modular protection equipped with security lock.

Power supply terminal block section: GW68801A/W 16 mm², GW68802A/W 35 mm².

Pedestal dimensions: 600x840x520 mm (LxHxD).

NOTE: products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.



GW 68 803

QMC 125 B WIRED PEDESTAL WITH SINGLE-FACE TAKE-OFF EQUIPPED WITH VERTICAL INTERLOCKED SOCKET-OUTLETS - IP56



| Code | Socket-outlet 2P+E 16A | Socket-out 3P+N+E 32A | Pack Carton |
|---------------------------|---------------------------|--------------------------|----------------|
| Colour: Light blue | | | |
| GW 68 803 A | 1 | 2 | 1 |
| Colour: White | | | |
| GW 68 803 W | 1 | 2 | 1 |

Board In: 50A

PROTECTIONS: Main switch disconnecter 4P 63A;

1 RCBO - MDC Range 2P 230 V 16 A C 6 kA 0,03 A - AC Type for the 2P+E 16 A 230 V socket-outlet;

2 RCBO - MDC Range 4P 400 V 25 A C 6 kA 0,03 A - AC Type for the two 3P+N+E 32 A 400 V socket-outlets

ACCESSORIES SUPPLIED: 2 fluorescent lighting lamp 11W 230V; 4 padlockable 1/2" ball valves; 2 supports for flexible conduit GW68762.

CHARACTERISTICS: side A: user socket-outlets, cable guide with cable fastener devices, blank retractable door;

side B: enclosure complete with modular protection equipped with security lock.

Power supply terminal block section: 35 mm².

Pedestal dimensions: 600x840x520 mm (LxHxD).

NOTE: products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.

EMPTY



GW 68 715

EMPTY PEDESTALS WITH SINGLE-SIDED TAKE-OFF QMC 125 B - IP56

| Code | Sides with blank door | Side A standard | Possible configuration | Side B standard | Possible configuration | Pack Carton |
|---------------------------|-----------------------|-----------------|------------------------|-----------------|------------------------|-------------|
| Colour: Light blue | | | | | | |
| GW 68 715 A | A-B | Empty | 1 enclosure | Empty | 1 enclosure | 1 |
| Colour: White | | | | | | |
| GW 68 715 W | A-B | Empty | 1 enclosure | Empty | 1 enclosure | 1 |

ACCESSORIES SUPPLIED: 2 supports for flexible conduit GW68762; junction box for housing power supply terminal block.

CHARACTERISTICS: blank retractable doors; 14-module enclosure with transparent door (not supplied). pre-arrangement for lighting kit 11W 230V (2 ordinary and 1 emergency) and water kit with 2 or 4 lockable 1/2" water taps, available as accessories.

Single-sided take-off with cable guide and cable fastener devices only on side A.

Pedestal dimensions: 600x840x520 mm (LxHxD).

FIREFIGHTING



GW 68 726

FIRE-FIGHTING PEDESTAL PREARRANGED FOR HOUSING LANCE AND HOSE

| Code | Type | Pack Carton |
|---------------------------|----------|-------------|
| Colour: Light blue | | |
| GW 68 726 A | Standard | 1 |
| Colour: White | | |
| GW 68 726 W | Standard | 1 |

CHARACTERISTICS: accessible from both sides, by tearing off the special door.

Pre-arranged for 2 ordinary lighting lamp or 1 emergency lighting lamp available as accessories.

Pedestal dimensions: 600x840x520 mm (LxHxD).



GW 68 780

KIT CONTAINING LANCE, HOSE AND SUPPORT

| Code | Description | Pack Carton |
|-----------|-------------------------|-------------|
| GW 68 780 | 20 m hose, 1 1/2" lance | 1 |

CHARACTERISTICS: lance type UNI EN 671-2.



GW 68 757

TEAR OFF DOOR FOR FIRE FIGHTING VERSION

| Code | Spare part for | Pack Carton |
|-----------|-------------------------|-------------|
| GW 68 756 | Standard terminals | 1 |
| GW 68 757 | High capacity terminals | 1 |




HIGH CAPACITY PEDESTAL IN INSULATED MATERIAL

WIRED



GW 68 833

WIRED PEDESTALS WITH DOUBLE-SIDED TAKE-OFF QMC 200 B
EQUIPPED WITH HORIZONTAL INTERLOCKED SOCKET-OUTLETS - IP44

| <div><div></div><div></div><div></div></div> | | |
|---|---------------------------|----------------|
| Code | Socket-outlet 2P+E 16A | Pack Carton |
| Colour: Light blue | | |
| GW 68 831 A | 4 (2 for side) | 1 |
| GW 68 832 A | 6 (3 for side) | 1 |
| GW 68 833 A | 8 (4 for side) | 1 |
| Colour: White | | |
| GW 68 831 W | 4 (2 for side) | 1 |
| GW 68 832 W | 6 (3 for side) | 1 |
| GW 68 833 W | 8 (4 for side) | 1 |



PROTECTIONS:
GW68831A/W: Board In: 16A; Main switch disconnecter 4P 32A;
4 RCBO - MDC Range 2P 230 V 10 A C 6 kA 0,03 A - AC Type for the four 2P+E 16 A 230 V socket-outlets
GW68832A/W: Board In: 16A; Main switch disconnecter 4P 32A;
6 RCBO - MDC Range 2P 230 V 10 A C 6 kA 0,03 A - AC Type for the six 2P+E 16 A 230 V socket-outlets
GW68833A/W: Board In: 24A; Main switch disconnecter 4P 32A;
8 RCBO - MDC Range 2P 230 V 10 A C 6 kA 0,03 A - AC Type for the eight 2P+E 16 A 230 V socket-outlets
ACCESSORIES SUPPLIED: 2 plexiglass kits for lateral protection.
CHARACTERISTICS: sides A and B: user socket-outlets, enclosure complete with modular protections equipped with security lock, cable guide with cable fastener devices, blank retractable door;
pre-arrangement for lighting kit 11W 230V (2 ordinary and 1 emergency) and water kit with 2 or 4 padlockable 1/2" ball valves, available as accessories
Power supply terminal block section: GW68831A/W 16mm²; GW68832A/W, and GW68833A/W 35mm².
Pedestal dimensions: 600x1540x600 mm (LxHxD).
NOTE: products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.

WIRED WITH ELECTRONIC SYSTEM - HIGH-CURRENT SYSTEMS



GW 68 867 A

QMC 200 E WIRED PEDESTALS WITH SINGLE-FACE TAKE-OFF
FOR PREPAID, CENTRALISED ELECTRONIC MANAGEMENT SYSTEM
WITH DIRECT 250A COUPLING IN TERMINAL BLOCK - IP55



|   | | |
|---|--|-------------|
| Code | Type of connection | Pack Carton |
| Colour: Light blue | | |
| GW 68 867 A | 250A direct coupling on terminal block | 1 |
| Colour: White | | |
| GW 68 867 W | 250A direct coupling on terminal block | 1 |

Board In: 200 A.
PROTECTIONS: 1 miniature circuit breaker with earthing residual current relay with separate toroid MTX 4P 400 V 250 A type N 36 kA.
ACCESSORIES SUPPLIED: nr.2 lockable 1/2" water taps; 2 fluorescent lighting lamps 11 W 230 V, 2 supports for flexible conduit GW68762.
CHARACTERISTICS: stainless steel cable fastener devices; board in stainless steel, can be equipped with security lock for access to the modular devices.
Connection to the power supply network and power take-off via two terminal blocks 185 mm² 4P.
NOTES: for technical-commercial information, please contact your local sales representative or SAT (035 946 111).
Pedestal dimensions: 600x1540x600 mm (LxHxD).



GW 68 868 W

WIRED TERMINALS WITH SINGLE-FACE TAKE-OFF FOR CENTRALISED, PREPAID, ELECTRONIC MANAGEMENT SYSTEM
QMC200 E EQUIPPED WITH HIGH-CURRENT SOCKET-OUTLETS - IP55

| | | | |
|---|------------------------------|---|----------------|
|  | |  | |
| Code | Socket-outlet 3P+N+E 250A | Socket-outlet 3P+N+E 400A | Pack Carton |
| Colour: Light blue | | | |
| GW 68 868 A | 1 | | 1 |
| GW 68 869 A | | 1 | 1 |
| Colour: White | | | |
| GW 68 868 W | 1 | | 1 |
| GW 68 869 W | | 1 | 1 |

PROTECTIONS:
GW68868A/W: Board In: 200 A.
1 MTX 4 pole 250 A switch type N 36 kA with earthing residual current relay with separate toroid.
GW68869A/W: Board In: 320 A.
1 MTX 4 pole 400 A switch type N 36 kA with earthing residual current relay with separate toroid.
ACCESSORIES SUPPLIED: 2 lockable 1/2" water taps; 2 fluorescent lighting lamps 11 W 230 V; 2 supports for flexible conduit GW68762;
CHARACTERISTICS: cable clamp devices in stainless steel, can be equipped with security lock for access to the modular devices.
NOTES: for technical-commercial information, please contact your local sales representative or SAT (035 946 111). Casing dimensions (LxHxD): 600x1540x600 mm.

EMPTY



GW 68 717

EMPTY PEDESTAL WITH DOUBLE-FACE TAKE-OFF QMC 200 B - IP56

| Code | Sides with blank door | Side A standard | Possible configuration | Side B standard | Possible configuration | Pack Carton |
|---------------------------|-----------------------|-----------------|--------------------------|-----------------|--------------------------|-------------|
| Colour: Light blue | | | | | | |
| GW 68 717 A | A-B | Empty | 2 enclosures or 2 panels | Empty | 2 enclosures or 2 panels | 1 |
| Colour: White | | | | | | |
| GW 68 717 W | A-B | Empty | 2 enclosures or 2 panels | Empty | 2 enclosures or 2 panels | 1 |

ACCESSORIES SUPPLIED: 2 plexiglass kits for lateral protection; junction box for housing power supply terminal block.

CHARACTERISTICS: 2 blank retractable doors; 14+14 module enclosure with transparent door (not supplied);

pre-arrangement for lighting kit 11W 230V (2 ordinary and 1 emergency) and water kit with 2 or 4 lockable spherical taps of 1/2", available as accessories

Double-face take-off with cable guide and cable fastener devices on sides A and B.

Pedestal dimensions: 600x1540x600 mm (LxHxD).

FIREFIGHTING



GW 68 728

FIRE FIGHTING PEDESTAL FOR HOUSING LANCE AND HOSE

| Code | Type | Pack Carton |
|---------------------------|---------------|-------------|
| Colour: Light blue | | |
| GW 68 728 A | High capacity | 1 |
| Colour: White | | |
| GW 68 728 W | High capacity | 1 |

CHARACTERISTICS: accessible from both sides, by tearing off the special door.

Pre-arranged for 2 ordinary lighting lamp or 1 emergency lighting lamp available as accessories.

Pedestal dimensions: 600x1540x600 mm (LxHxD).



GW 68 780

KIT CONTAINING LANCE, HOSE AND SUPPORT

| Code | Description | Pack Carton |
|-----------|-------------------------|-------------|
| GW 68 780 | 20 m hose, 1 1/2" lance | 1 |

CHARACTERISTICS: lance type UNI EN 671-2.



GW 68 757

TEAR OFF DOOR FOR FIRE FIGHTING VERSION

| Code | Spare part for | Pack Carton |
|-----------|-------------------------|-------------|
| GW 68 756 | Standard terminals | 1 |
| GW 68 757 | High capacity terminals | 1 |

COMPLEMENTARY ITEMS FOR PREPAID AND CENTRALISED ELECTRONIC SYSTEM



GW 68 991

TRANSPONDER KEY PROGRAMMING KIT (PREPAID / CENTRALISED SYSTEM)

| Code | Description | Pack Carton |
|-----------|---|-------------|
| GW 68 991 | Programming console and s/w for PC with USB key | 1 |

NOTES: To be used with terminal boards with electronic management system.

for technical-commercial information, please contact your local sales representative or SAT (035 946 111).



GW 68 992

TRANSPONDER KEY (PREPAID / CENTRALISED SYSTEM)

| Code | Description | N. Keys | Pack Carton |
|-----------|---------------------------|---------|-------------|
| GW 68 992 | Transponder key to encode | 1 | 1/10 |

NOTES: To be used with terminal boards with electronic management system and with access control GW68998.

for technical-commercial information, please contact your local sales representative or SAT (035 946 111).



GW 68 994

RS485/USB INSULATED CONVERTER WITH TERMINAL BLOCK

| Code | Description | Pack Carton |
|-----------|---------------------|-------------|
| GW 68 994 | USB/RS485 converter | 1 |

NOTES: To be used with terminal boards with electronic management system and with access control GW68998.

for technical-commercial information, please contact your local sales representative or SAT (035 946 111).

The converter RS485/USB can manage up to 250 pedestals for line. In case of more lines is necessary to use more converters GW68994.

For the use of more lines please verify that the PC has more USB doors available. Use an Hub for have other USB.



GW 68 995

KIT FOR CENTRALISED SYSTEM

| Code | Description | Pack Carton |
|-----------|--|-------------|
| GW 68 995 | Management software with USB key and converter | 1 |

COMPOSITION:

1 USB key for PC;

1 USB-RS485 converter;

1 Sw for management.

NOTES: To be used with terminal boards with electronic management system and with access control GW68998.

For technical-commercial information, please contact your local sales representative or SAT.

General note for centralised system: For the wiring of the pedestals, in a centralised system, is necessary to use an RS485 Bus cable.

The cable must be an armed and twisted with a couple of wires 0.22mm² and 120Ohm impedance of the cable.

Some cables suitable for centralised system: BELDEN P/N 9841, ITC/CDT 1457Y and CEAM CPR 6003.

COMPLEMENTARY ITEMS FOR STANDARD AND HIGH CAPACITY PEDESTALS

PANELS



GW 68 731 W

FLANGED PANELS PREARRANGED FOR ASSEMBLY OF SOCKET-OUTLETS - GREY RAL 7035

| Code | No. IB socket-outlets houseable | No of IEC 309 socket-outlets that can be housed | Pack Carton |
|-------------|---------------------------------|---|-------------|
| GW 68 731 W | 3 IB Vert. 16-32A IP67 | | 1/2 |
| GW 68 732 W | 4 IB Horiz. 16/32 A IP44 | | 1/2 |
| GW 68 733 W | 3 COMBIBLOC 16-32A IP44/55 | 2 IEC 309 16A 2P+E IP44/67 | 1/2 |
| GW 68 734 W | | 6 IEC 309 16-32A IP44/67 | 1/2 |
| GW 68 735 W | 2 IB Vert. 63 A IP67 | | 1/2 |
| GW 68 736 W | | 1 IEC 309 125A IP67 | 1/2 |

ACCESSORIES SUPPLIED: fixing screws.

CHARACTERISTICS: dimensions LxHxD: 328x285x21, GW68736W: 328x285x110 mm.

NOTES: GW68736W compatible only with standard, 12SB type terminals.



GW 68 737 W

BLANK PANEL

| Code | Description | Pack Carton |
|---------------------------|-------------|-------------|
| Colour: Light blue | | |
| GW 68 737 A | Blank panel | 1/2 |
| Colour: White | | |
| GW 68 737 W | Blank panel | 1/2 |

ACCESSORIES SUPPLIED: fixing screws.

CHARACTERISTICS: dimensions LxHxD: 328x285x43mm.



GW 68 741 W

ENCLOSURE PANELS WITH TRANSPARENT DOOR

| Code | Colour | Pack Carton |
|-------------|------------|-------------|
| GW 68 741 A | Light blue | 1/2 |
| GW 68 741 W | White | 1/2 |

ACCESSORIES SUPPLIED: 14-module rail EN 50022, panel fixing screws.

CHARACTERISTICS: dimensions LxHxD: 328x285x43mm; transparent door that can be equipped with security lock GW68758.

FLUSH-MOUNTING SOCKET-OUTLETS WITH CLEAN CONTACT - 125 A - IP67



GW 68 785

LOW VOLTAGE SCREW WIRING 10° ANGLED FLUSH-MOUNTING INTERLOCKED SOCKET-OUTLETS 125A



| Code | No. of poles | Rated voltage | Colour | Frequency | Reference h | Flange dimensions (mm) | Pack Carton |
|-----------|--------------|---------------|--------|-----------|-------------|------------------------|-------------|
| GW 68 785 | 3P+E | 380-415 V | ■ | 50/60 Hz | 6 | 114x114 | 1 |
| GW 68 786 | 3P+N+E | 380-415 V | ■ | 50/60 Hz | 6 | 114x114 | 1 |

CHARACTERISTICS: the socket-outlets are equipped with a NO contact (mechanically activated by the plug pilot) to allow the creation of the electric interlock circuit. nickel-plated contacts.

NOTES: Products will be supplied with the new version, as shown in the picture, only after having sold out the previous one.

SERVICE COMPLEMENTARY ITEMS



GW 68 766

TERMINAL BLOCKS FOR POWER SUPPLY

| Code | Terminal blocks | For cables | Terminal type | Rail type | Pack Carton |
|-----------|-----------------|---------------|---------------|-----------|-------------|
| GW 68 765 | 3P+N+E | Up to 16 mm² | Modular | EN 50022 | 1 |
| GW 68 766 | 3P+N+E | Up to 35 mm² | With eyelet | EN 50035 | 1 |
| GW 68 767 | 3P+N+E | Up to 70 mm² | With eyelet | EN 50035 | 1 |
| GW 68 768 | 3P+N+E | Up to 120 mm² | With eyelet | EN 50035 | 1 |
| GW 68 769 | 3P+N+E | Up to 185 mm² | With eyelet | EN 50035 | 1 |

CHARACTERISTICS: They permit making supply systems with terminals in series, with the enter-exit type of connection, for power cables up to 185 mm².
All codes include a 6 mm² 2P+E terminal block for the lighting circuit supply.



GW 68 753

WATER KIT WITH LOCKABLE TAPS

| Code | Input | Output | Characteristics | Pack Carton |
|-----------|-----------------|----------------|-----------------|-------------|
| GW 68 753 | N. 1 valve 1/2" | N. 4 taps 1/2" | | 1 |
| GW 68 763 | N. 1 valve 1/2" | N. 2 taps 1/2" | | 1 |
| GW 68 764 | N. 1 valve 1/2" | N. 2 taps 1/2" | With meter | 1 |

ACCESSORIES SUPPLIED: adjustment fittings and nuts for pedestals.
CHARACTERISTICS: GW68764 with 2 meters of diameter 70mm, capacity 1.5m³/h.



GW 68 751

LIGHTING KIT FOR STANDARD AND HIGH CAPACITY PEDESTAL

| Code | Lamp | Lamp power | Voltage | Lamp holder | Dimensions LxH (mm) | Pack Carton |
|----------------------------|------|------------|--------------------|-------------|---------------------|-------------|
| Lighting: Ordinary | | | | | | |
| GW 68 751 | FSD | 11 W | 230 V - 50 Hz | G23 | 371x74 | 1/4 |
| Lighting: Emergency | | | | | | |
| GW 68 752 | FSD | 11 W | 230 V - 50 / 60 Hz | 2G7 | 371x74 | 1 |

ACCESSORIES SUPPLIED: protection grille, fixing screws, lamp and supply cable.
CHARACTERISTICS: GW68752 permanent emergency lighting kit, equipped with double supply circuit for switching the lamp on and off keeps the Ni/Cd storage batteries charged.



GW 68 770

COMPRESSED AIR KIT

| Code | Maximum operating pressure | Input | Output | Pack Carton |
|-----------|----------------------------|-----------------|---------------------------------------|-------------|
| GW 68 770 | 6 bar | N. 1 valve 1/2" | 1 quick connection valve, female 3/8" | 1 |

ACCESSORIES SUPPLIED: adjustment fittings and nuts for pedestals.



GW 68 761

FIXING PLATE FOR STANDARD AND HIGH CAPACITY PEDESTAL

| Code | Description | Application | Material | Pack Carton |
|-----------|------------------|-------------|-----------------|-------------|
| GW 68 761 | Plate for fixing | On concrete | Stainless steel | 1 |

ACCESSORIES SUPPLIED: check nuts and non-skid washer.

CHARACTERISTICS: fastening to the terminal is achieved using the threaded pins M8 soldered to the plate.



GW 68 758

SECURITY LOCK WITH HANDLE

| Code | Description | N. Keys | Pack Carton |
|-----------|------------------------|---------|-------------|
| GW 68 758 | Security lock with key | 2 | 1/5 |

CHARACTERISTICS: all keys have a standardised code; can be mounted on the blank doors of the terminals and on the door of the enclosure panels.



GW 68 762 A

SUPPORT FOR FLEXIBLE TUBE / EXTENSION

| Code | Description | Pack Carton |
|------|-------------|-------------|
|------|-------------|-------------|

Colour: Light blue

| | | |
|-------------|-----------------------------|-----|
| GW 68 762 A | No.1 supports flexible tube | 1/2 |
|-------------|-----------------------------|-----|

Colour: White

| | | |
|-------------|-----------------------------|-----|
| GW 68 762 W | No.1 supports flexible tube | 1/2 |
|-------------|-----------------------------|-----|

ACCESSORIES SUPPLIED: fixing screws.



GW 68 795

SELF-ADHESIVE PROTECTION KIT

| Code | Description | Pack Carton |
|-----------|---|-------------|
| GW 68 795 | White support with transparent protection | 1/10 |

68 Q-MC



A WORLD OF APPLICATIONS



The 68 Q-MC range of compact pedestals is available in both thermoplastic and stainless steel versions, offering energy take-up solutions for ports, campsites, parking areas, parks and gardens.

FIRE PREVENTION



The fire-prevention versions available in the 68 Q-MC range are aesthetically coordinated with the same terminal versions for the distribution of energy and water. The range includes fire-prevention terminals either in stainless steel or in white or blue thermoplastic material.

SIMPLE, INTELLIGENT MANAGEMENT



The terminals equipped with an electronic management system enable recording and monitoring of consumption in real time. The user interface display and the transponder keypad for credit management are housed in the head.

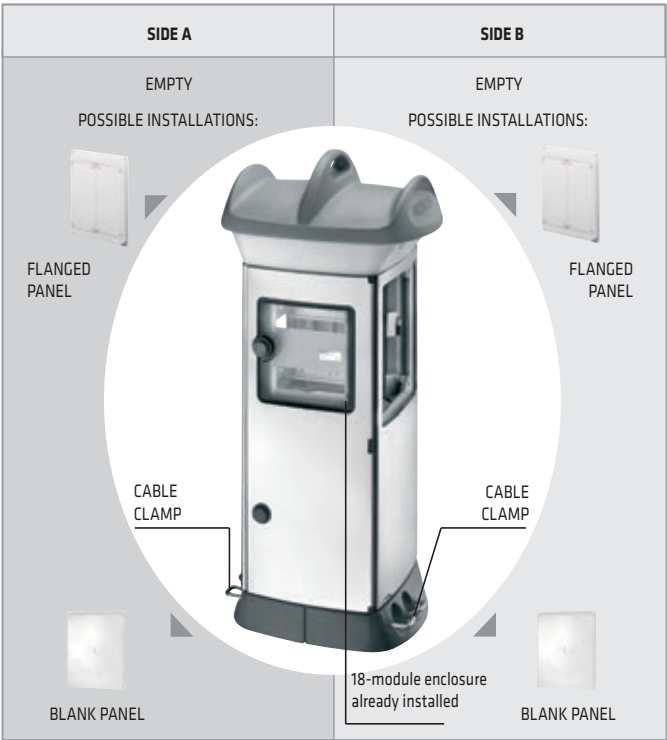
COMPACT PEDESTAL IN STAINLESS STEEL AISI 316I

Technical data and compliance with Standards

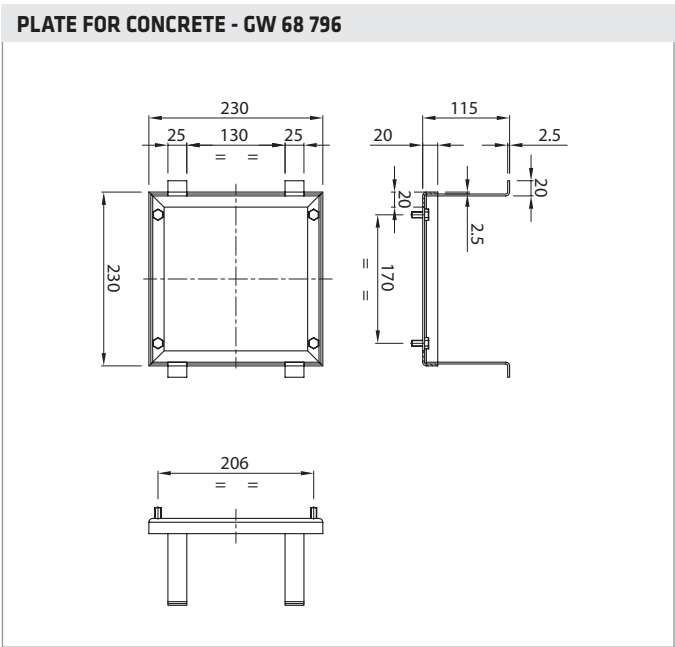
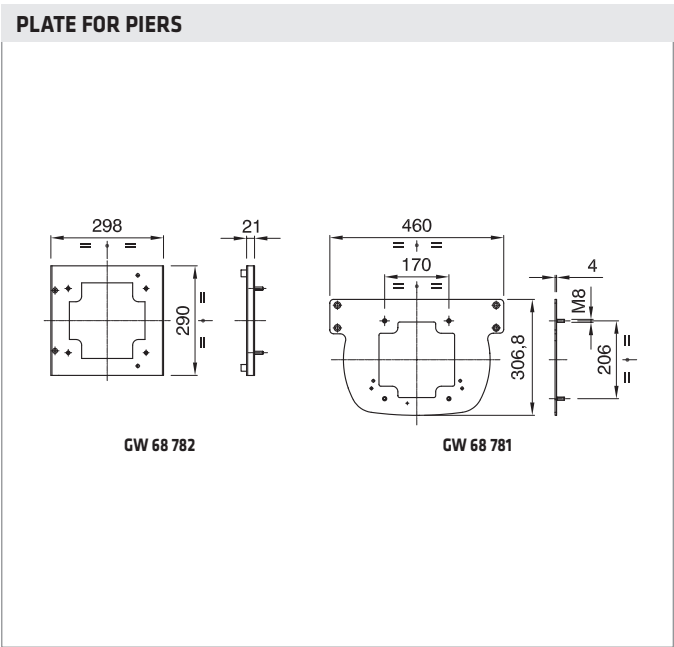
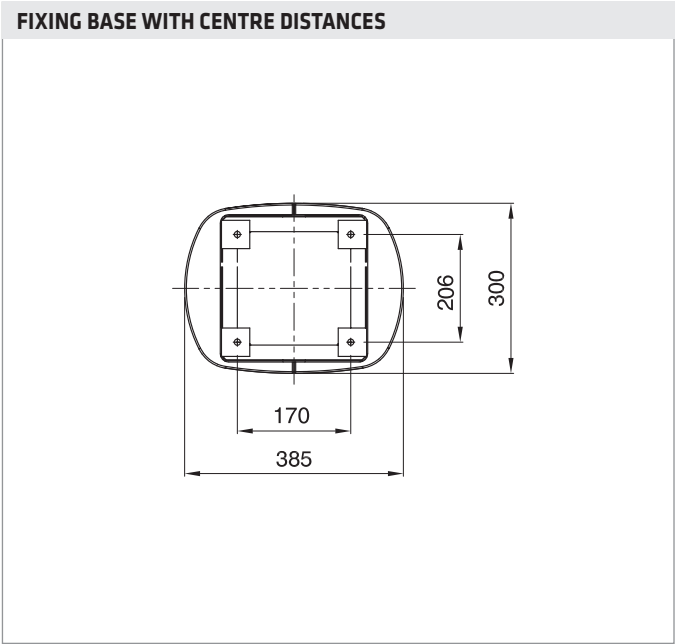
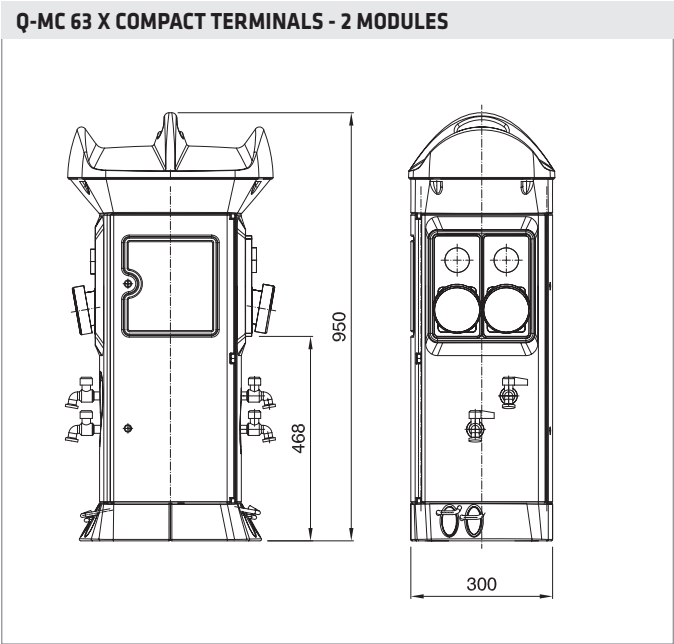
| Board type | Reference Standards | Degree of protection (IP) | Protection | Impact resistance at ambient temperature (IK code) | Heat resistance | Resistance to abnormal heat and fire | Operating temperature (°C) |
|------------------------------------|---------------------|--|-------------------|--|--------------------------------|---|----------------------------|
| | | | Indirect contacts | | Thermo-pressure with ball (°C) | | |
| Empty terminals | EN 62208 | IP 56 | | IK 10 | 70 | 650 | -25; +40 |
| Assembled and wired terminals (AS) | EN 60439-1 | IP 44 / IP56 (depending on the socket-outlets) | | IK 10 (shell) IK 09 (installed components) | | 850 (active parts) 650 (passive parts) | -5; + 40 |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|--------------|-----------|--------------|-----------|--------------------|--------------------|--------------------|-----------|-------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Alcohol | | |
| | | | | | | | | | | |
| Resistant | Resistant | Resistant | Resistant | Resistant | Limited resistance | Limited resistance | Limited resistance | Resistant | Resistant | Resistant |

Panel modular structure



Dimension tables - compact terminals in stainless steel



COMPACT PEDESTAL IN INSULATED MATERIAL

Technical data and compliance with Standards

| Board type | Reference Standards | Degree of protection (IP) | Protection | Impact resistance at ambient temperature (IK code) | Resistenza al calore | Resistance to abnormal heat and fire | Operating temperature (°C) |
|------------------------------------|---------------------|--|-------------------|--|--------------------------------|---|----------------------------|
| | | | Indirect contacts | | Thermo-pressure with ball (°C) | Glow Wire Test (°C) | |
| Empty terminals | EN 62208 | IP 56 | | IK 10 | 70 | 650 | -25; + 40 |
| Assembled and wired terminals (AS) | EN 60439-1 | IP44 / IP55/56 (depending on socket-outlets) | | IK 10 (shell) IK 09 (installed components) | | 850 (active parts) 650 (passive parts) | -5; + 40 |
| Access control | EN 60699-2-1 | IP 56 | | IK 08 (shell) | | 650 | 0; + 40 |

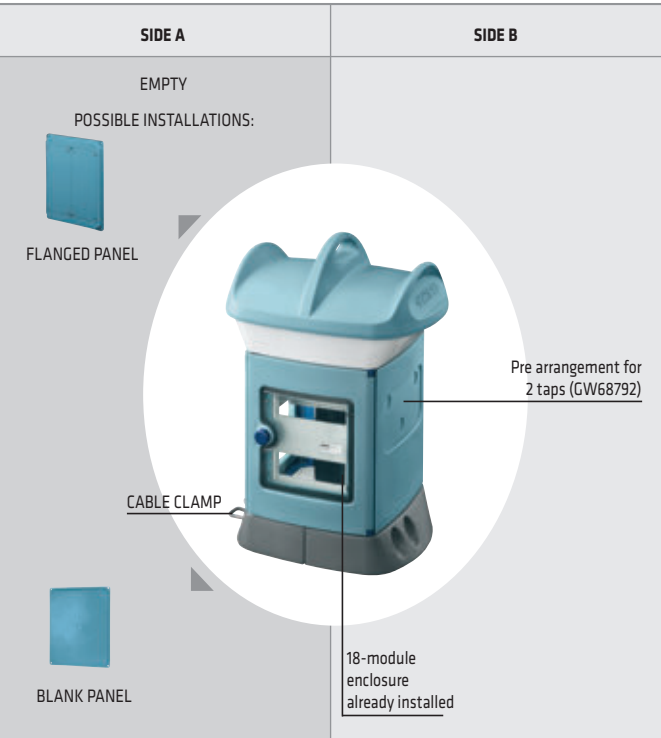
| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|--------------------|-----------|--------------------|-----------|--------------------|--------------------|--------------------|-----------|--------------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Alcohol | | |
| Resistant | Limited resistance | Resistant | Limited resistance | Resistant | Limited resistance | Limited resistance | Limited resistance | Resistant | Limited resistance | Resistant |

Compact distribution terminals

Panel modular structure

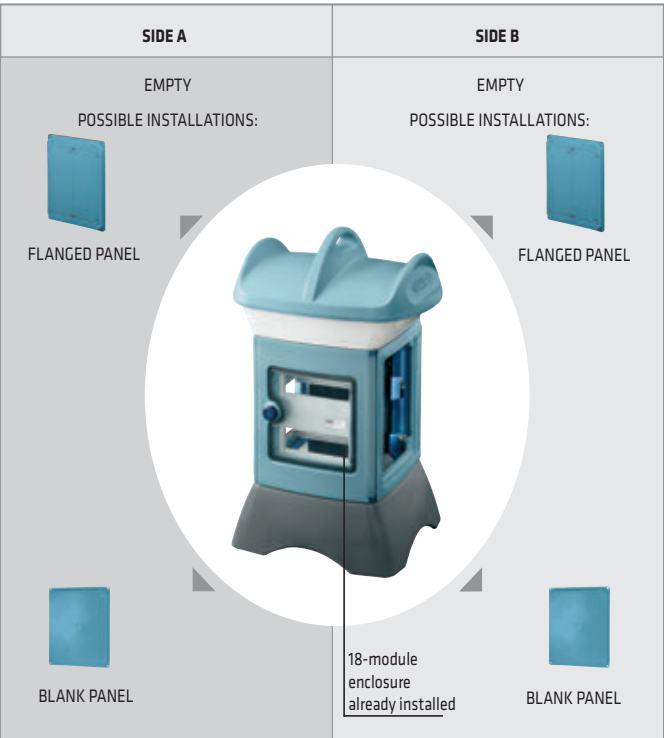
Q-MC 16 B COMPACT TERMINAL WITH SINGLE-FACE TAKE-OFF

GW 68 701 A - GW 68 701 W

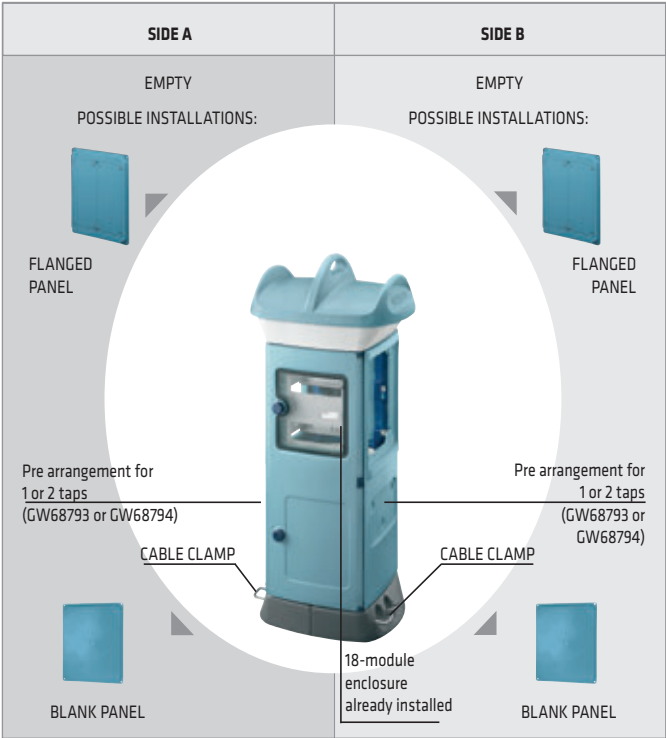


Q-MC 16 B AND Q-MC 16 T COMPACT TERMINALS WITH DOUBLE-FACE TAKE-OFF

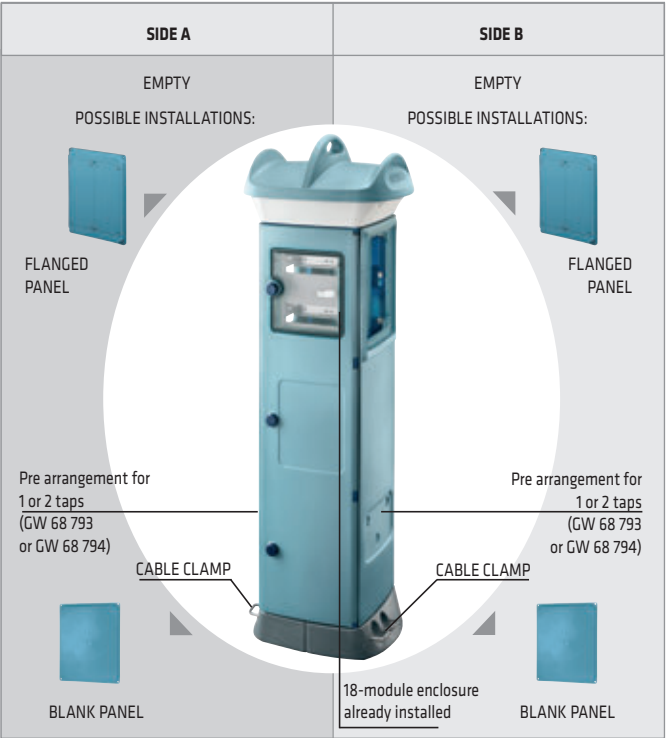
GW 68 711 A - GW 68 712 A AND GW 68 711 W - GW 68 712 W



Q-MC 63 B COMPACT TERMINAL WITH DOUBLE-FACE TAKE-OFF
GW 68 713 A - GW 68 713 W



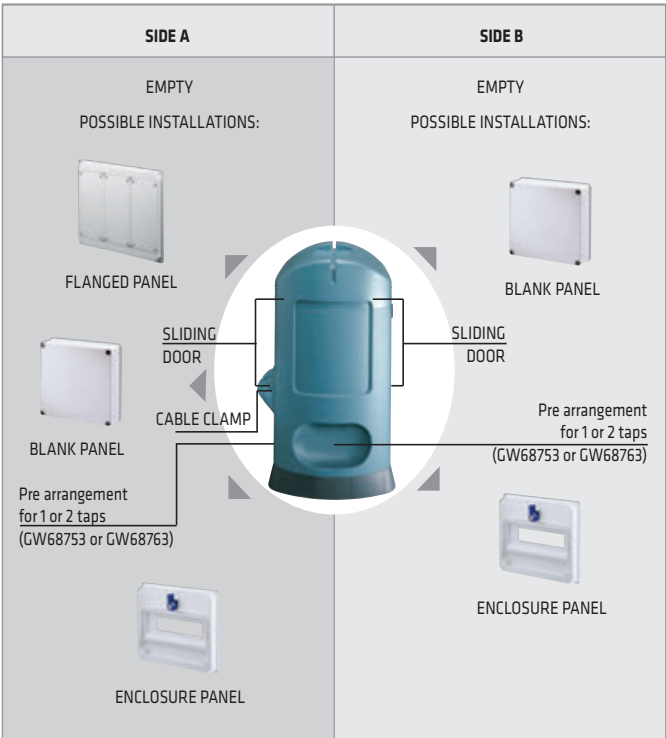
QM-C 63 C COMPACT TERMINAL WITH DOUBLE-FACE TAKE-OFF
GW 68 714 A - GW 68 714 W



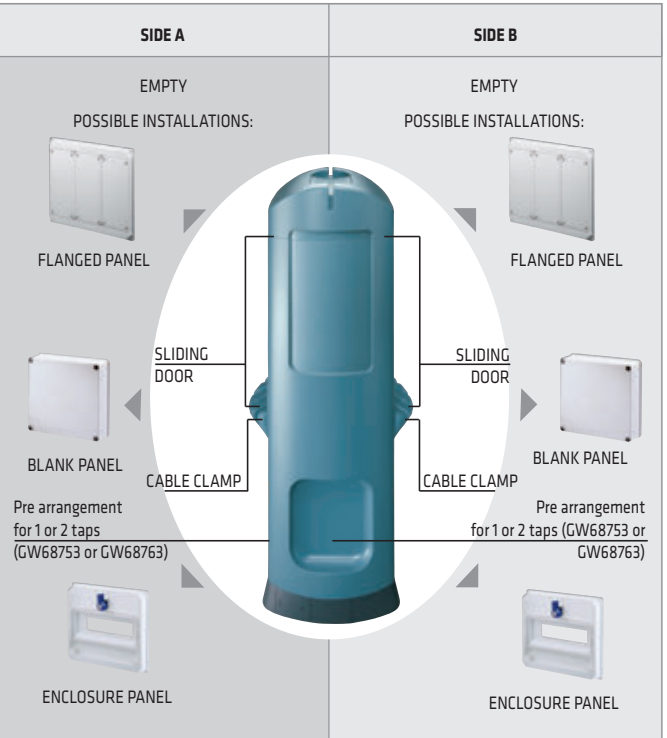
Standard and high capacity distribution terminals

Panel modular structure

Q-MC 125 B STANDARD TERMINAL WITH SINGLE-FACE TAKE-OFF
GW 68 715 A - GW 68 715 W



Q-MC 200 B HIGH CAPACITY TERMINAL WITH DOUBLE-FACE TAKE-OFF
GW 68 717 A - GW 68 717 W



Characteristics of prepaid and centralised systems

The prepaid system is made up of the following components:

- 68 Q-MC terminals;
- access control;
- console for programming transponder keys;
- PC with dedicated software to program transponder keys.

In order to achieve the centralised management system, it is necessary to connect the terminals to the PC with a serial data cable. The PC must be equipped with the special USB/RS485 converter and the specific centralised management software (both available from the catalogue - code GW 68 995 for systems up to 75 terminals, and code GW 68 993 for systems with more than 75 terminals). From a PC, installed for example in the facility reception area (port or campsite), it is possible to monitor and control the terminals.

More specifically, the main functions of a centralised system are:

- Status of power socket-outlets: open/closed, protection device triggered, instantaneous consumption (kW) and total consumption (kWh).
- Status of water outlets: open/closed, instantaneous consumption (m³/s) and total consumption (m³).
- Consent from central PC to use the services (energy and/or water); service action/deactivation for water and energy supply must always be carried out with the transponder key.
- Sending of brief messages to the users; they can be read when accessing with transponder keys.
- Management of a client database, integrable with other application software packages for managing doors and systems.

For services greater than 125A, it is necessary to operate the one-way switch after enabling the service with the transponder key.

Access control is integrated within the 68 Q-MC range of systems, in order to provide permission to pass through the gates in the structure in question, as well as enabling the use of any other services provided. In particular, access is granted via the same transponder keys used for energy take-up on the distribution columns with electronic management, and can be provided both free and on a payment basis, in accordance with the type of access/service to be controlled or managed.

PREPAID AND CENTRALISED SYSTEM - TERMINAL COMPONENTS

Electronic devices on the terminals are made up of the following components:

- monitoring and control unit (electronic card on board distribution pillar);
- graphic LCD display of 128x64 pixels;
- reading area for transponder key;
- contactors for activating the energy supply (versions up to 125A);
- solenoid valves for enabling the water supply, and volumetric contactors for calculating consumption

PREPAID AND CENTRALISED SYSTEM - TERMINAL TECHNICAL DATA

| | |
|---|---------------------------|
| Power supply voltage: | 230V AC 50Hz |
| Absorbed power without load: | 10V A |
| Ambient operating temperature: ⁽¹⁾ | -0°C ÷ +40°C |
| Ambient storage temperature: | -25°C ÷ +40°C |
| Humidity: | max. 98% (non-condensing) |
| Degree of protection: | IP 55/56 |

⁽¹⁾ the control unit can operate at higher working temperatures because the internal temperature is always higher than the external one

EXAMPLE OF OPERATION

The operations that user must carry out in order to activate a service are:

- 1 - bring the transponder key near the reading area;
- 2 - select the circuit and type of service required (only energy/ only water / both):
each selection is made by leaving the transponder key positioned near the reading area; the selectable items are displayed in a sequence;
to select, remove the key from the reading area when the required item is displayed; a "beep" will confirm selection.

The display shows:

- the circuit activated and the services supplied;
- the available credit (only with prepaid system).

To deactivate the circuit, return the key to the reading area, select the type of service to be deactivated, and confirm; a "beep" will confirm the operation.

CENTRALISED SYSTEM TECHNICAL DATA

- Maximum number of terminals: max. 250 for each line. The system can be managed on several lines by using several USB ports or adding a USB HUB.
- Communication between PC and terminals: Modbus/RS485 standard
- Connection cable between PC and terminals: shielded with a pair of 0.22mm² twisted cables with an impedance of 120 Ω (consult SAT for the detailed electrical characteristics)
- Maximum length of each line: 1200m in ideal conditions. For greater lengths, it is possible to use signal repeaters (consult SAT)

Prepaid electronic management - "Stand-alone" operating system

Terminals are independent from the central PC (located in the reception area).



Reception desk

+



Transponder key programming console

+



Transponder key

- ◀ The system allows:
- local enabling/disabling of energy and water supply;
 - calculation of energy and water consumption for each service, with the relative credit decrease.
 - enabling at controlled areas



Electronic terminals up to 400A



Electronic terminals up to 125A



Electronic terminals up to 125A



Surface-mounting access control

Centralised electronic management - remote monitoring operations

The terminals are connected to the central PC by data BUS.



Reception desk

+



Transponder key programming console

+



Transponder key

+



Kit for centralised management

- ◀ The system allows:
- remote consent for energy and water supply;
 - remote calculation of energy and water consumption;
 - supervision of operation status for each terminal;
 - management of client database and sending of brief messages.
 - enabling at controlled areas



DATA BUS



Electronic terminals up to 400A



Electronic terminals up to 125A

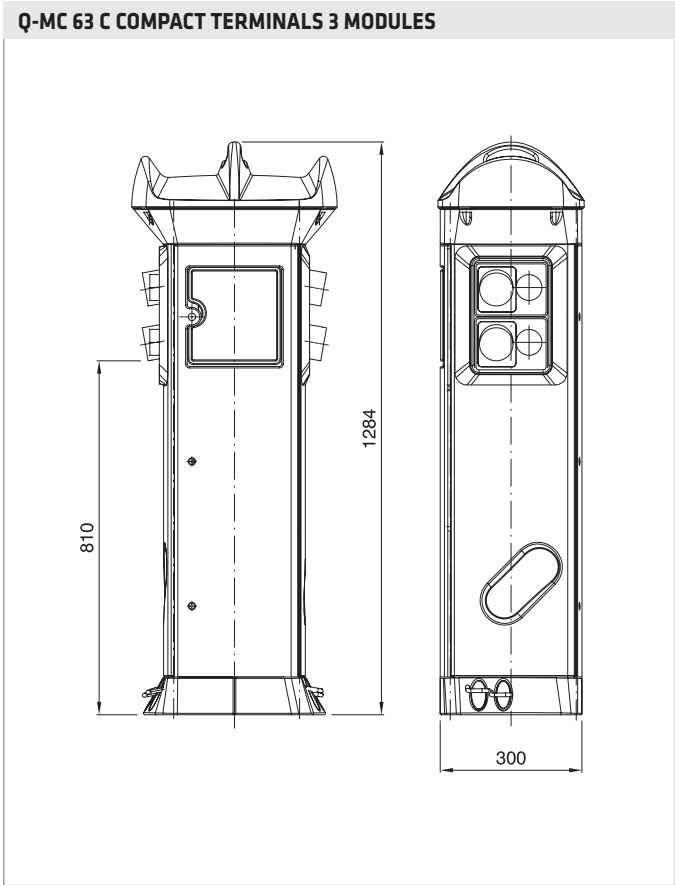
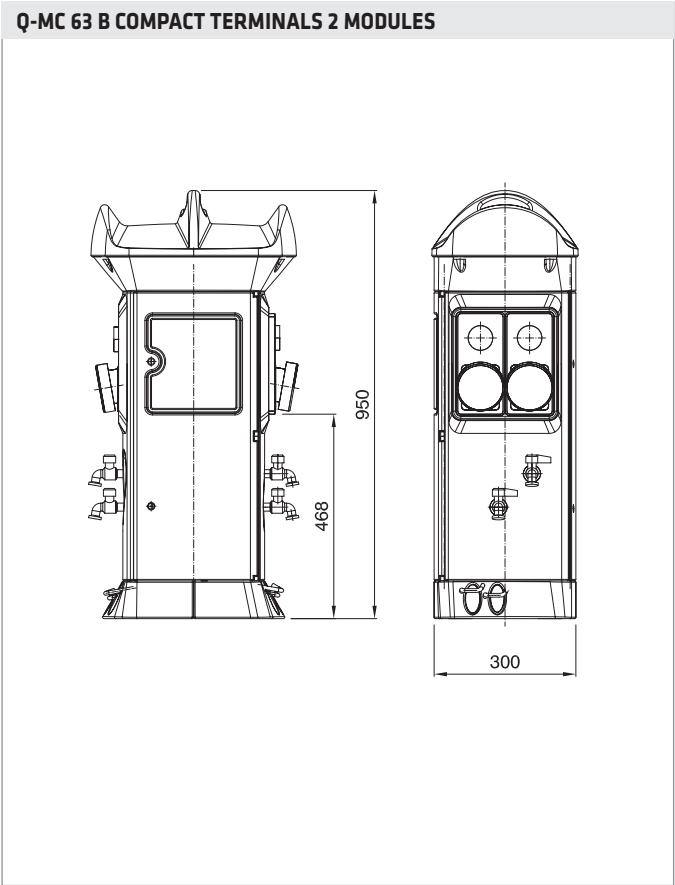
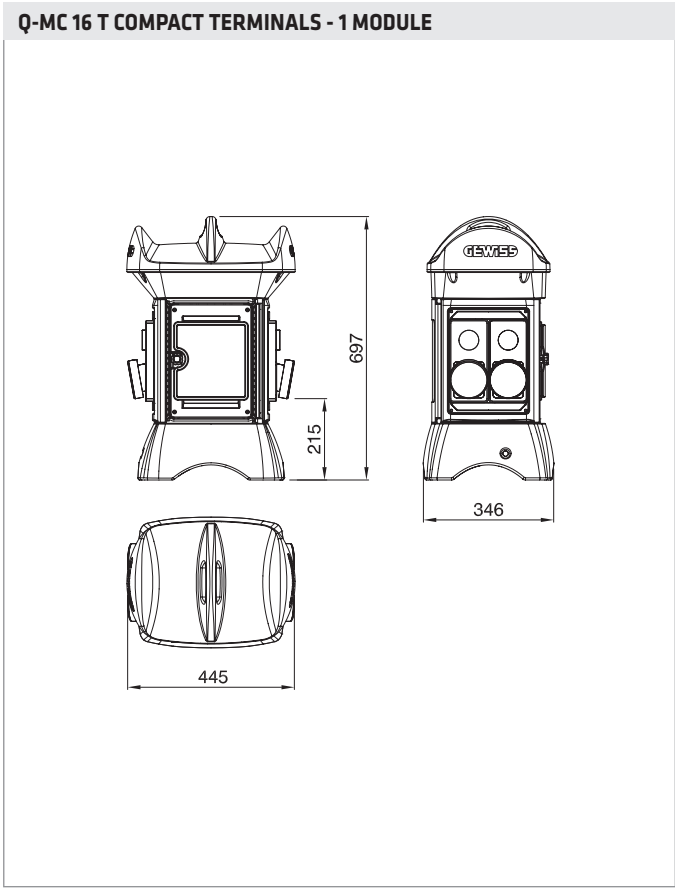
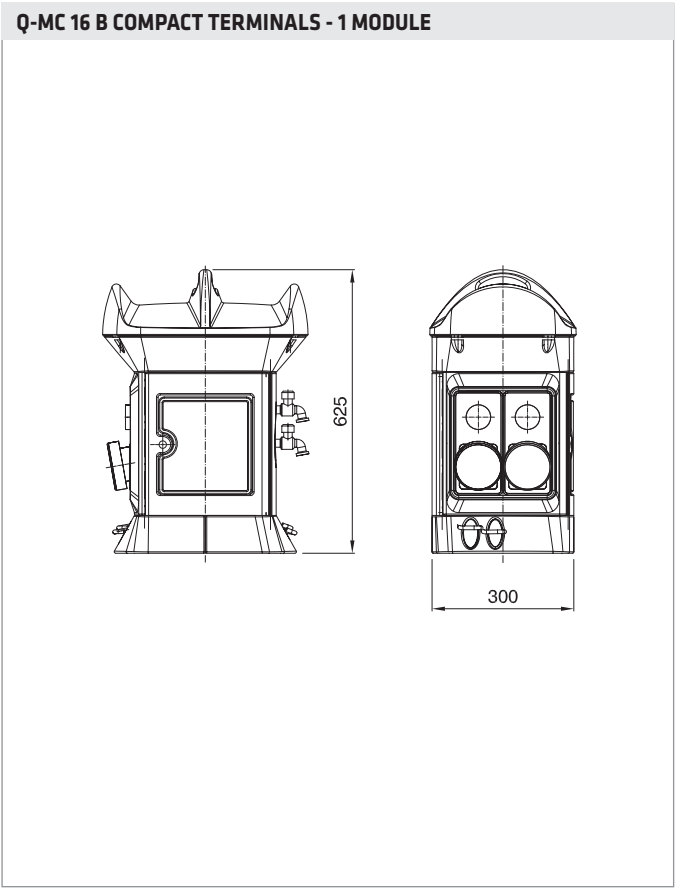


Electronic terminals up to 125A



Surface-mounting access control

Dimension tables - Compact pedestal in insulated material



FIXING BASE WITH CENTRE DISTANCES

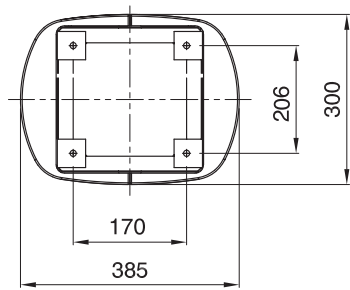
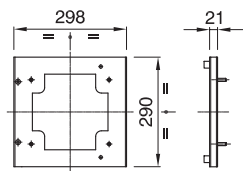
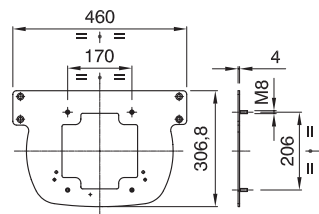


PLATE FOR PIERS

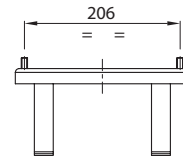
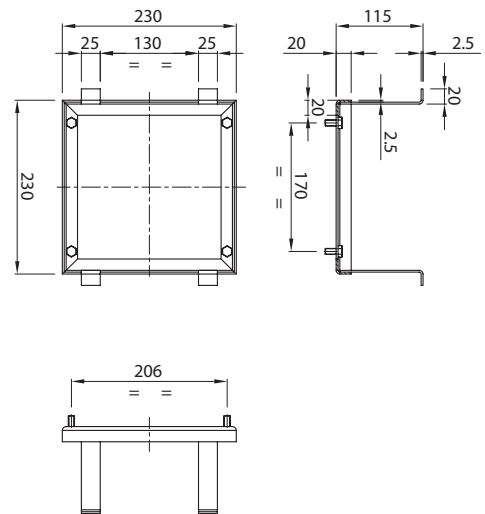


GW 68 782

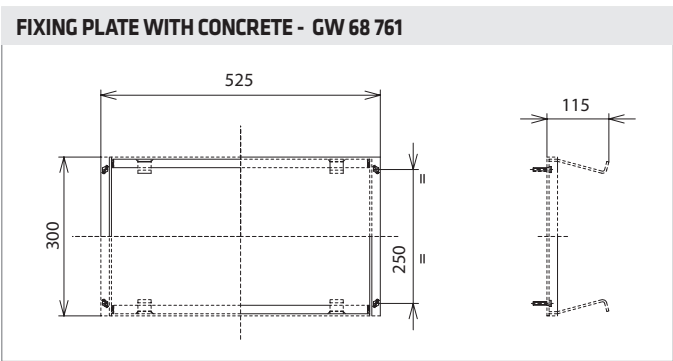
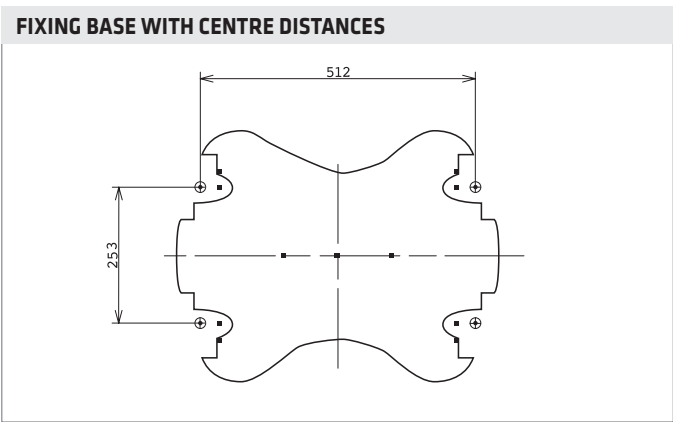
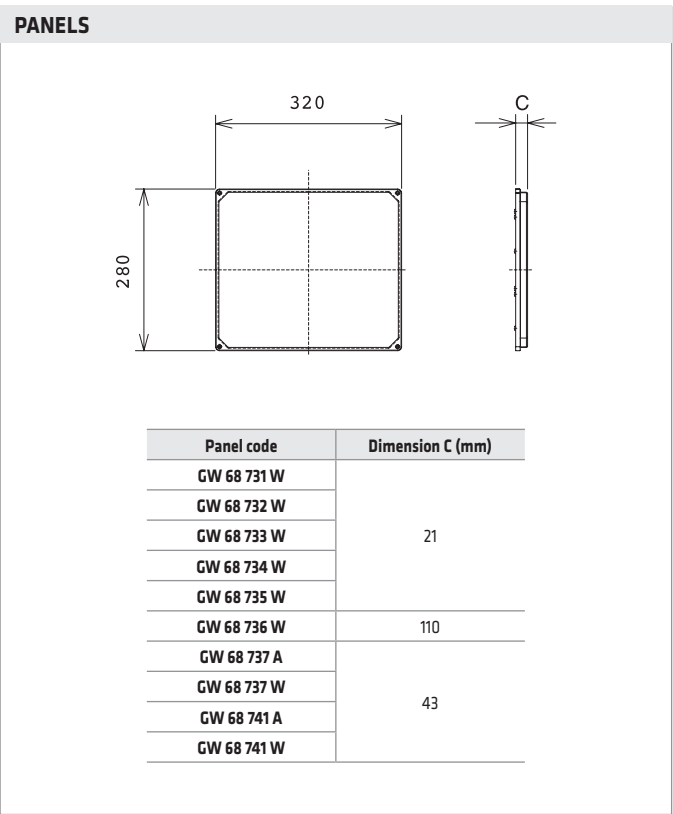
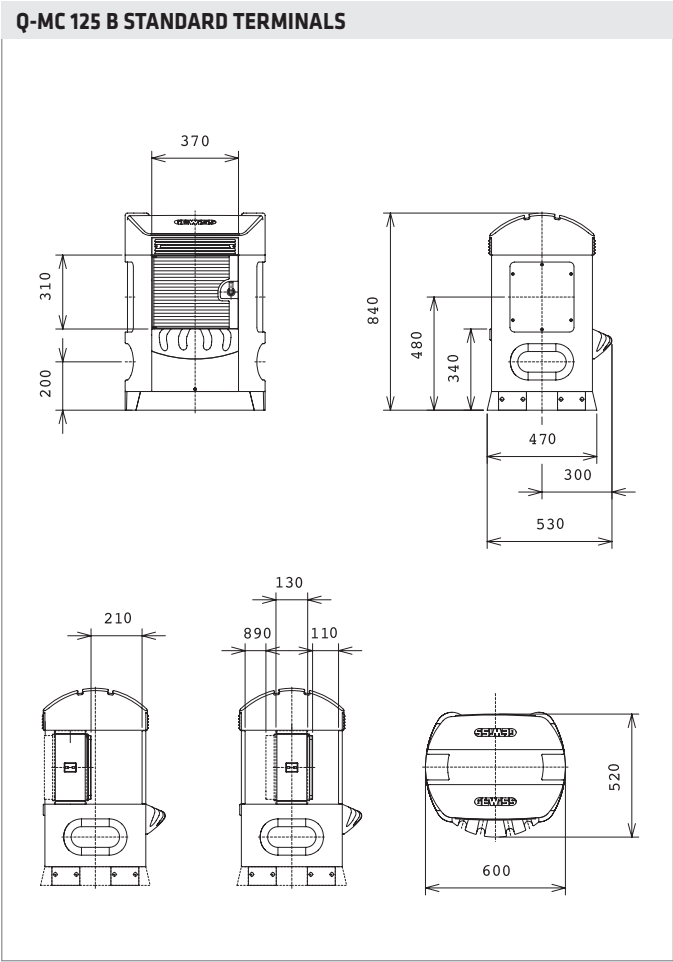
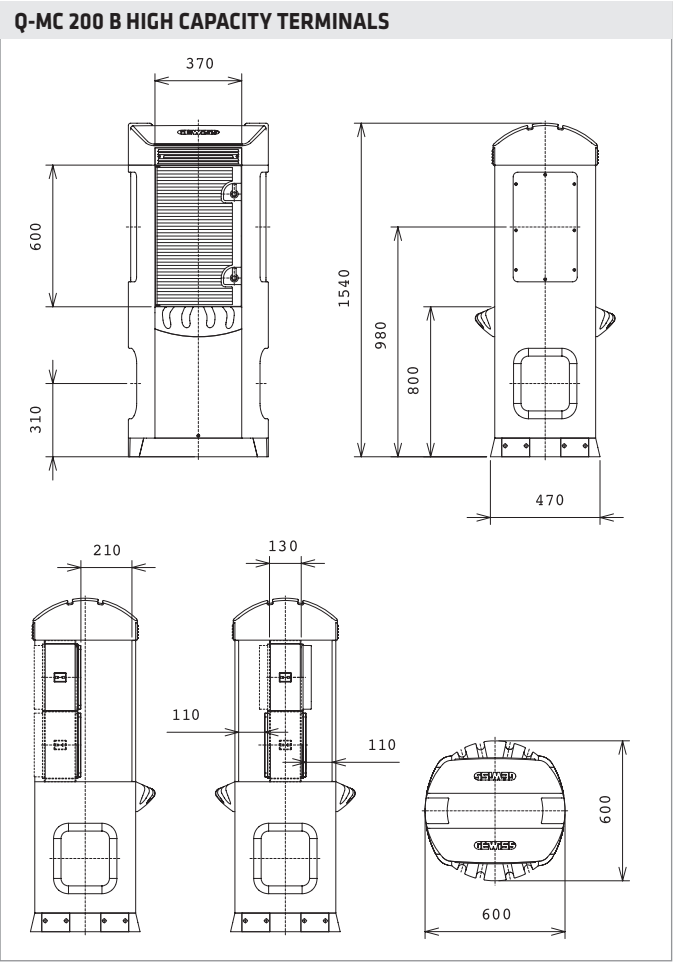


GW 68 781

PLATE FOR CONCRETE - GW 68 796

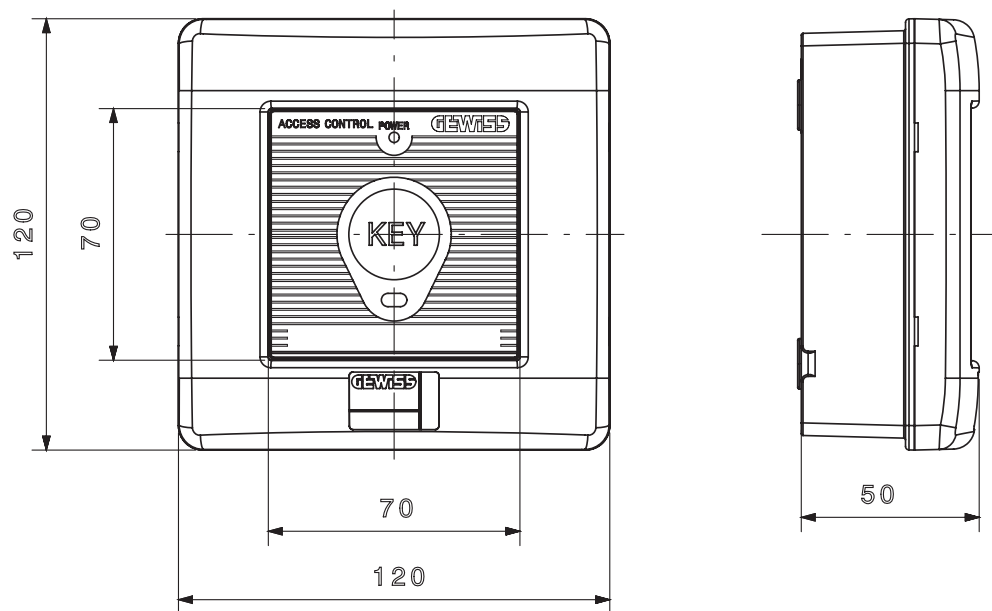


Dimension tables - Standard and high capacity pedestal in insulated material



Dimension tables - Surface-mounting transponder reader for access control

ACCESS CONTROL - GW68998



Electric vehicle recharging





R-EVolution




UNITS FOR ELECTRICAL VEHICLE RECHARGING






68 R-Evolution

| PRIVATE USE IN AC | | RANGE | | R-EVOLUTION EASY | | | | | | R-EVOLUTION | | | |
|-------------------|--|-----------------------------|------------------------|--|-----------------|----------------------------|--|----------------|--|------------------|---|----------------|-------------|
| | | TYPE OF INSTALLATION | | Surface-mounting | | | | | | Surface-mounting | | | |
| | | RECHARGING MODE | | 2 | | | 3 | | | 3 | | | |
| | | RECHARGING CASE | | A or B | A or B | A or B | C | | A or B | C | | | |
| | | TYPE OF SHELL | | Thermoplastic  | | | Thermoplastic  | | Thermoplastic  | | Metallic  | | |
| | | CONNECTOR | | 3 x std ITA/ DE | 1 x std ITA/ DE | 1x IEC 309 3P+N+E 16A 400V | 1 x IEC 309 3P+N+E 32A 400V | Type 1 + cable | Type 2 + cable | Type 2 | Type 1 + cable | Type 2 + cable | |
| | | MAX POWER OUTPUT | | 2,6 kW | 2,6 kW | 11 kW | 22 kW | 4,6 kW | | | 4,6 kW | | |
| | | MID ENERGY CONSUPTION METER | | NO | NO | | | NO | NO | NO | NO | NO | |
| | | USERS ANABLING | | NO | NO | | | NO | NO | NO | NO | NO | |
| | | PROTECTION DEVICES | WITHOUT PROTECTION | | | | | | GW 68 116 | GW 68 117 | GW 68 118 | | |
| | | | RCBO | | GW 68 114 | GW 68 115 | | | | | | GW 68 101 | GW 68 102 |
| | | | MCB + RESTART AUTOTEST | | | | | | | | | GW 68 101 R | GW 68 102 R |

| RANGE | | R-EVOLUTION EASY | | R-EVOLUTION | | | |
|-----------------------------|-------------------------|---|-----------|--|-------------|---|---------------|
| TYPE OF INSTALLATION | | Surface-mounting | | Surface-mounting | | Floor-mounting | |
| RECHARGING MODE | | 3 | | 3 | | | |
| RECHARGING CASE | | A or B | | A or B | | | |
| TYPE OF SHELL | | Thermoplastic  | | Metallic  | | Bottom: metallic/ Front: polyurethane  | |
| CONNECTOR | | 1 x Type 2 | | 1 x Type 2 | | 2 x Type 2 | |
| MAX POWER OUTPUT | | 7,4 kW | 22 kW | 7,4 kW | 22 kW | 7,4 kW + 7,4 kW | 22 kW + 22 kW |
| MID ENERGY CONSUPTION METER | | NO | NO | YES | YES | YES | YES |
| USERS ANABLING | | YES | YES | YES | YES | YES | YES |
| PROTECTION DEVICES | WITHOUT PROTECTION | GW 68 119 | GW 68 120 | | | | |
| | RCBO | | | GW 68 103 | GW 68 104 | GW 68 105 | GW 68 106 |
| | MCB + RESTART AUTOTEST | | | GW 68 103 R | GW 68 104 R | GW 68 105 R | GW 68 106 R |
| | RCBO + DC EARTH LEAKAGE | | | | GW 68 104 C | | GW 68 106 C |

| PRIVATE AND/OR PUBLIC USE IN DC | RANGE | | R-EVOLUTION | | |
|---------------------------------|-----------------------------|--|--|-------------|---------------------------------------|
| | TYPE OF INSTALLATION | | Floor-mounting | | |
| | RECHARGING MODE | | 3 and 4 | | |
| | RECHARGING CASE | | C | | |
| | TYPE OF SHELL | | Metallic  | | |
| | CONNECTOR | | 1 x CHAdeMO | 1 x COMBO 2 | 1 x CHAdeMO + 1 x COMBO2 + 1 x Type 2 |
| | MAX POWER OUTPUT | | 43 kW | 50 kW | 50 kW (DC) 44 kW (AC) |
| | MID ENERGY CONSUPTION METER | | YES | YES | YES |
| | USERS ANABLING | | YES | YES | YES |
| | RCBO | | GW 68 107 | GW 68 108 | GW 68 109 |

68 R-Evolution

Units for electrical vehicle recharging

R-Evolution is the GEWISS range of surface-mounting or floor-mounting pre-wired products that can provide a safe and reliable solution to whatever the recharging requirements of any electric vehicle. They comply with the guidelines stipulated in the IEC 61851 standard for installation in residential environments as well as in public spaces. The versions fitted with ReStart with Autotest – an automatic re-closing device – guarantee that charging of the vehicle will never be interrupted and that the user will always be kept safe.

Technical characteristics page 1181



UNITS FOR ELECTRICAL VEHICLE RECHARGING R-EV EASY

FOR PRIVATE USE



GW 68 116

R-EV EASY HOME - SLOW SURFACE-MOUNTING CHARGING STATION WITH MOBILE CONNECTOR + CABLE IP54 - MODE 3 IN AC



| Code | Connector Type 1 | Connector Type 2 | Power max. | Protection | Pack Carton |
|-----------|------------------|------------------|------------|------------|-------------|
| GW 68 116 | 1 | | 4,6 kW | - | 1 |
| GW 68 117 | | 1 | 4,6 kW | - | 1 |

ACCESSORIES SUPPLIED: 5 meter of cable with relative support; integrated communication USB interface; wall fixing brackets.

CHARACTERISTICS: the output power can be reduced by selector in the enclosure, or by USB interface. Thanks to the selector installed inside the enclosure is possible to deal all different type of recharging method.

NOTE: the quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel.: 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieved.



GW 68 118

R-EV EASY HOME - SLOW SURFACE-MOUNTING CHARGING STATION WITH SOCKET IP54 - MODE 3 IN AC

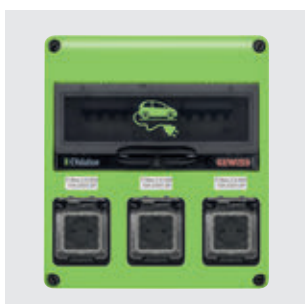


| Code | Socket Type 2 | Power max. | Protection | Pack Carton |
|-----------|---------------|------------|------------|-------------|
| GW 68 118 | 1 | 4,6 kW | - | 1 |

ACCESSORIES SUPPLIED: integrated communication USB interface; wall fixing brackets.

CHARACTERISTICS: the output power can be reduced by selector in the enclosure, or by USB interface. Thanks to the selector installed inside the enclosure is possible to deal all different type of recharging method.

NOTE: the quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel.: 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieved.



GW 68 114

R-EV EASY HOME - SURFACE-MOUNTING CHARGING Q-DIN IP54 - MODE 2 IN AC



| Code | ITA/DE standard socket-outlets 16 A | Socket-outlet 3P+N+E 16A - IEC 309 | Socket-outlet 3P+N+E 32A - IEC 309 | Power max. | Protection | Pack Carton |
|-----------|-------------------------------------|------------------------------------|------------------------------------|------------|------------|-------------|
| GW 68 114 | 3 | | | 2,6 kW | RCBO | 1 |
| GW 68 115 | 1 | 1 | 1 | 22 kW | RCBO | 1 |

PROTECTIONS:

GW68114: main switch 40A 2P.

3 RCBO - MDC range 2P 230V 10A C 6kA 0,03A - A type for the ITA/DE domestic sockets..

GW68115: main switch 63A 2P.

1 RCBO - MDC range 2P 230V 10A C 6kA 0,03A - A type for the ITA/DE domestic sockets..

1 RCBO - MDC range 4P 230V 16A C 6kA 0,03A - A type for the socket IEC 309 3P+N+E 16A 400V.

1 RCBO - MDC range 4P 230V 32A C 6kA 0,03A - A type for the socket IEC 309 3P+N+E 32A 400V.

CHARACTERISTICS: maximum power output of socket std ITA/DE - 2,6 kW.

maximum power output of socket IEC 309 3P+N+E 16A 400V - 11 kW.

maximum power output of socket IEC 309 3P+N+E 32A 400V - 22 kW.

ACCESSORY SUPPLIED: Metal support for cable.

NOTE: Protection degree of the board is IP54. When a plug is inserted into socket std ITA/DE the IP degree is IP21.

68 R-EVolution

FOR PRIVATE AND/OR PUBLIC USE



GW 68 119

R-EV EASY PARKING - SLOW OR ACCELERATED SURFACE-MOUNTING CHARGING STATION WITH SOCKET IP54 - MODE 3 IN AC



| Code | Socket Type 2 | Power max. | Protection | Pack Carton |
|-----------|---------------|------------|------------|-------------|
| GW 68 119 | 1 | 7,4 kW | - | 1 |
| GW 68 120 | 1 | 22 kW | - | 1 |

ACCESSORIES SUPPLIED: integrated communication USB interface; wall fixing brackets.

CHARACTERISTICS: the output power can be reduced by selector in the enclosure, or by USB interface. activation of power output thanks to transponder key.

NOTE: the quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel.: 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieved.

COMPLEMENTARY ITEMS FOR COMMUNICATION OF R-EV EASY UNITS



GW 68 991

TRANSPONDER KEY PROGRAMMING KIT

| Code | Description | Suitable for | Pack Carton |
|-----------|---|-------------------|-------------|
| GW 68 991 | Programming console and s/w for PC with USB key | R-EV EASY PARKING | 1 |



GW 68 992

TRANSPONDER KEY PROGRAMMING KIT

| Code | Description | N. Keys | Suitable for | Pack Carton |
|-----------|---------------------------|---------|-------------------|-------------|
| GW 68 992 | Transponder key to encode | 1 | R-EV EASY PARKING | 1/10 |



GW 68 994

RS485/USB INSULATED CONVERTER WITH TERMINAL BLOCK

| Code | Description | Suitable for | Pack Carton |
|-----------|---------------------|-------------------|-------------|
| GW 68 994 | USB/RS485 converter | R-EV EASY PARKING | 1 |



GW 68 995

KIT FOR CENTRALISED SYSTEM

| Code | Description | Suitable for | Pack Carton |
|------------------|--|-------------------|-------------|
| GW 68 995 | Management software with USB key and converter | R-EV EASY PARKING | 1 |

COMPOSITION:

1 USB key for PC

1 USB-RS485 converter

1 Sw for management to be used with R-EV EASY PARKING

COMPLEMENTARY ITEMS INSTALLATION OF R-EV EASY UNITS



GW 46 552

INSTALLATION ACCESSORIES

| Code | Description | Suitable for | Pack Carton |
|------------------|--------------------------------|------------------------------------|-------------|
| GW 46 552 | Pole support kit | R-EV EASY HOME - R-EV EASY PARKING | 1 |
| GW 68 434 | ③ Floor mounting metal support | R-EV EASY HOME - R-EV EASY PARKING | 1 |

68 R-Evolution

UNITS FOR ELECTRICAL VEHICLE RECHARGING R-EV

FOR PRIVATE USE



GW 68 102 R

R-EV HOME - SLOW SURFACE-MOUNTING CHARGING STATION IP54 - MODE 3 - AC

| Code | Connector Type 1 | Connector Type 2 | Power max. | Protection | Pack Carton |
|-------------|------------------|------------------|------------|--|-------------|
| GW 68 101 | 1 | | 4,6 kW | - | 1 |
| GW 68 101 R | 1 | | 4,6 kW | Miniature circuit breaker + Restart Autotest | 1 |
| GW 68 102 | | 1 | 4,6 kW | - | 1 |
| GW 68 102 R | | 1 | 4,6 kW | Miniature circuit breaker + Restart Autotest | 1 |

ACCESSORIES SUPPLIED: 6 m of cable with the relative support; integrated USB communication interface; LED indicators.

CHARACTERISTICS: the maximum available power can be reduced by keylock switch and software. Front of the casing in anti-graffiti painted aluminium and back plate in anti-graffiti painted steel.

NOTES: the quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel.: 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.

FOR PRIVATE AND/OR PUBLIC USE



GW 68 103 R

R-EV PARKING - SLOW SURFACE-MOUNTING CHARGING STATION IP54 - MODE 3 - AC

| Code | Socket Type 2 | Power max. | Protection | Pack Carton |
|-------------|---------------|------------|--|-------------|
| GW 68 103 | 1 | 7,4 kW | RCBO | 1 |
| GW 68 103 R | 1 | 7,4 kW | Miniature circuit breaker + Restart Autotest | 1 |

ACCESSORIES SUPPLIED: MID approved energy and power metre; compatible with the OCPP protocol through the use of web services (SOA); integrated RS485 communication interface; multi-language graphic LCD display and LED indicators; N. 3 RFID cards for enabling the users and recharging.

CHARACTERISTICS: the maximum available power can be reduced by software. Local user enabling with authentication via RFID cards. Front of the casing in anti-graffiti painted aluminium. Degree of protection against acts of vandalism IK10.

NOTES: The quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel.: 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.



GW 68 104 R

R-EV PARKING - ACCELERATED SURFACE-MOUNTING CHARGING STATION IP54 - MODE 3 - AC

| Code | Socket Type 2 | Power max. | Protection | Pack Carton |
|-------------|---------------|------------|--|-------------|
| GW 68 104 | 1 | 22 kW | RCBO | 1 |
| GW 68 104 R | 1 | 22 kW | Miniature circuit breaker + Restart Autotest | 1 |
| GW 68 104 C | 1 | 22 kW | RCBO + DC earth leakage | 1 |

ACCESSORIES SUPPLIED: MID approved energy and power metre; compatible with the OCPP protocol through the use of web services (SOA); integrated RS485 communication interface; multi-language graphic LCD display and LED indicators; N. 3 RFID cards for enabling the users and recharging.

CHARACTERISTICS: the maximum available power can be reduced by software. Local user enabling with authentication via RFID cards. Front of the casing in anti-graffiti painted aluminium. Degree of protection against acts of vandalism IK10.

NOTES: The quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel.: 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.



GW 68 105 R

R-EV PARKING+ - SLOW FLOOR-MOUNTING CHARGING STATION IP54 - MODE 3 - AC

| Code | Socket Type 2 | Power max. | Protection | Pack Carton |
|-------------|---------------|-----------------|--|-------------|
| GW 68 105 | 2 | 7,4 kW + 7,4 kW | RCBO | 1 |
| GW 68 105 R | 2 | 7,4 kW + 7,4 kW | Miniature circuit breaker + Restart Autotest | 1 |

ACCESSORIES SUPPLIED: MID approved energy and power metre; compatible with the OCPP protocol through the use of web services (SOA); integrated RS485 communication interface; multilanguage graphic LCD display and LED indicators; power accumulator for the power supply of auxiliary services in case of a mains power failure; N. 3 RFID cards for enabling the users and recharging.

CHARACTERISTICS: the maximum available power can be reduced by software. Local user enabling with authentication via RFID cards. Front of the casing in anti-graffiti polyurethane. Degree of protection against acts of vandalism IK10.

NOTES: the quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel.: 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.



GW 68 106 C

R-EV PARKING+ - ACCELERATED FLOOR-MOUNTING CHARGING STATION IP54 - MODE 3 - AC



| Code | Socket Type 2 | Power max. | Protection | Pack Carton |
|-------------|---------------|---------------|--|-------------|
| GW 68 106 | 2 | 22 kW + 22 kW | RCBO | 1 |
| GW 68 106 R | 2 | 22 kW + 22 kW | Miniature circuit breaker + Restart Autotest | 1 |
| GW 68 106 C | 2 | 22 kW + 22 kW | RCBO + DC earth leakage | 1 |

ACCESSORIES SUPPLIED: MID approved energy and power metre; compatible with the OCPP protocol through the use of web services (SOA); integrated RS485 communication interface; multilanguage graphic LCD display and LED indicators; power accumulator for the power supply of auxiliary services in case of a mains power failure; N. 3 RFID cards for enabling the users and recharging.

CHARACTERISTICS: the maximum available power can be reduced by software. Local user enabling with authentication via RFID cards. Front of the casing in anti-graffiti polyurethane. Degree of protection against acts of vandalism IK10.

NOTES: the quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel. : 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.



GW 68 108

R-EV STATION - FAST FLOOR-MOUNTING CHARGING STATION IP54 - MODE 4 - DC



| Code | Connector Type 2 | Connector CHAdeMO | Connector Combo 2 | Power max. | Protection | Pack Carton |
|-----------|------------------|-------------------|-------------------|------------|---------------------------|-------------|
| GW 68 107 | | 1 | | 43 kW | Miniature circuit breaker | 1 |
| GW 68 108 | | | 1 | 50 kW | Miniature circuit breaker | 1 |
| GW 68 109 | 1 | 1 | 1 | 50 kW | Miniature circuit breaker | 1 |

ACCESSORIES SUPPLIED: MID approved energy and power metre; compatible with the OCPP protocol through the use of web services (SOA); integrated RS485 communication interface; multilanguage graphic LCD display and LED indicators; high visibility emergency stop push-button; N. 3 RFID cards for enabling the users and recharging.

The MAX power reported for code GW68109 refer to the maximum power for the only COMBO 2 charging connector.

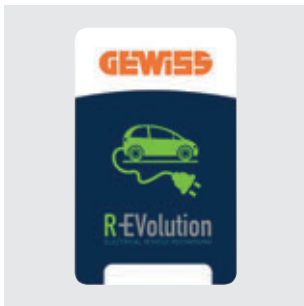
CHARACTERISTICS: Painted galvanised steel casing. Degree of protection against acts of vandalism IK10

NOTES: The quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel. : 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.

68 R-Evolution

ACCESSORIES

COMPLEMENTARY ITEMS FOR COMMUNICATION OF R-EV UNITS



GW 68 110

RFID CARD

| Code | Description | Suitable for | Pack Carton |
|-----------|---|------------------------------|-------------|
| GW 68 110 | RFID card for enabling the circuit and recharging | R-EV PARKING - R-EV PARKING+ | 1 |



GW 68 111

COMMUNICATION SYSTEM KIT

| Code | Description | Suitable for | Pack Carton |
|-----------|--|------------------------------|-------------|
| GW 68 111 | Ethernet kit | R-EV PARKING - R-EV PARKING+ | 1 |
| GW 68 112 | 3G kit for surface-mounting recharging station | R-EV EASY PARKING | 1 |
| GW 68 113 | 3G kit for floor-mounting recharging station | R-EV EASY PARKING+ | 1 |




WIRED TERMINAL BOARDS FOR E-BIKE RECHARGING

FOR PRIVATE AND/OR PUBLIC USE



GW 68 855 G

QMC 63 B WIRED PEDESTAL WITH DOUBLE FACE TAKE-OFF EQUIPPED WITH DOMESTIC SOCKETS - IP55

|    | | | |
|---|------------------------------|--|-------------|
| Code | German Std socket-outlet 16A | | Pack Carton |
| GW 68 855 G | 4 (2 for side) | | 1 |

PROTECTIONS: Board In: 32A. Main switch 40A 4P.

4 RCBO - MDC range 2P 230V 10A C 6kA 0,03A - A type for the 2P+E 230V domestic sockets..

CHARACTERISTICS: enclosure with hinged opening that can be fitted with security lock for access to modular devices. Stainless steel cable fastener devices. power supply terminal section:16mm². Pedestal dimensions: 445x950x300 mm (LxHxD).

R-Evolution



R-EV EASY SURFACE-MOUNTING CHARGING UNIT



Solution with plastic casing for domestic and private applications. Suitable for surface-mounting or pole installation; thanks to a number of accessories, it provides EV base charging functions.

R-EV SURFACE- OR FLOOR MOUNTING CHARGING UNIT



Solution with casing in aluminium (surface-mounting versions) and metal/polurethane (floor-mounting version) with an extensive range of equipment, ideal for public installations where high levels of resistance to shocks and vandalism are required, along with communication/monitoring of stations, including remotely.

RAPID CHARGING UNIT STATION



The STATION versions are designed to meet the needs of rapid DC charging of electric vehicles, reaching maximum vehicle autonomy in less than 30 minutes. Available in versions with CHAdeMO and Combo 2 connectors and in multi-standard configurations.

Recharging mode in compliance with IEC 61851-1

| MODE | DEDICATED CONNECTOR FOR EV | TYPE OF RECHARGING | MAX. CURRENT | CHARACTERISTICS |
|------------|----------------------------|---|---|---|
| MODE 1 | NO | Slow in AC | 16 A (3,7 kW) | Connection to the network AC up to 16A with domestic sockets |
| MODE 2 | NO | Slow in AC | 32 A (11 kW) | Connection to the network AC up to 32A with domestic/industrial sockets. Control device provided in the supply cable |
| MODE 3 | YES | Slow or accelerated singlephase or threephase in AC | 32A threephase (22kW) with fixed sockets 63A threephase (44kW) with mobile connector mounted on EV charging unit | Connection to the network AC with dedicated EV connector. Control device provided in the EV charging unit. |
| MODE 4 | YES | Fast in DC | 50 kW | Connection to the network DC |

Type of connector in compliance with EN 62196

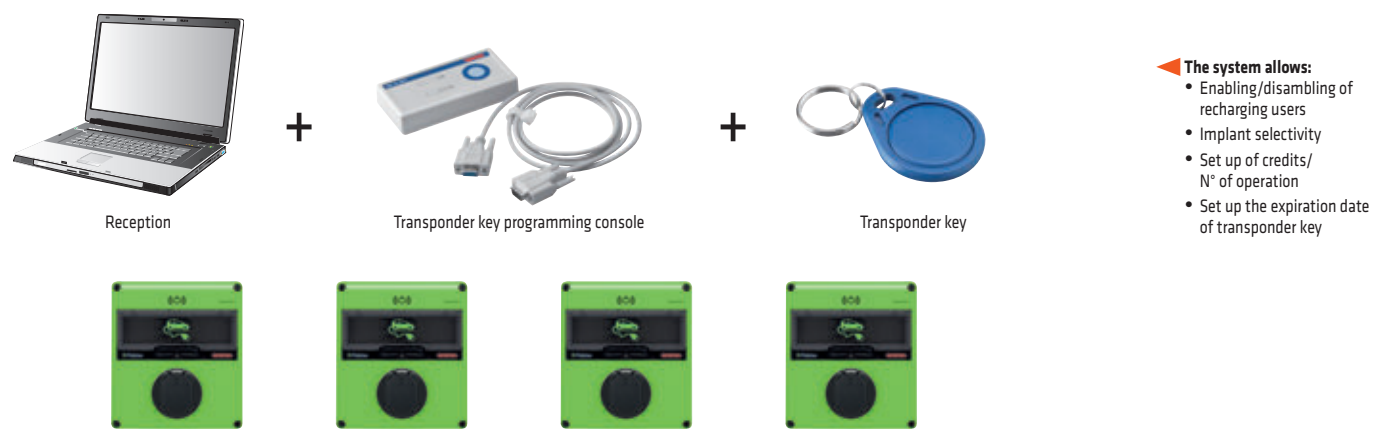
| | TYPE OF CONNECTOR | N° OF POLES | MAX. VOLTAGE | MAX. CURRENT | STANDARD | CHARACTERISTICS |
|----|-------------------|--|---|---------------|----------------------------|-----------------|
| AC | | 5 (L1, L2/N, PE, CP, CS) | 250V AC | 32 A (7,2 kW) | IEC 62196-2 | Type 1 |
| | | 7 (L1, L2, L3, N, PE, CP, PP) | 250V AC Singlephase 500V DC Threephase | 63 A (44 kW) | IEC 62196-2 | Type 2 |
| DC | | 9 (2 power, 7 Signal) | 500V DC | 120 A | IEC 62196-1 UL 2551 | CHAdeMO |
| | | 9 (L1, L2, L3, N, PE, CP, PP, DC+, DC-) | 850V DC | 125 A | IEC 62196-2 IEC 62196-3 | CCS COMBO 2 |

R-Evolution

| APPLICATION FIELD FOR EV CHARGING UNITS R-EVOLUTION | | | | | | | | | |
|---|------------------|-----------------|--------|----------------|-----------------|--------------------------------|----------------|-----------------|-----------|
| PRIVATE HOUSE | APARTMENT BLOCKS | PRIVATE PARKING | HOTELS | COMPANY FLEETS | SHOPPING CENTER | PUBLIC PARKING AND ON THE ROAD | PETROL STATION | TYPE OF PRODUCT | RANGE |
| • | • | | • | • | | | | HOME | R-EV EASY |
| | • | • | • | | • | | | PARKING | |
| • | • | | • | • | | | | HOME | R-EV |
| | | • | • | | • | • | | PARKING | |
| | | • | • | • | • | • | • | PARKING+ | |
| | | | | | | • | • | STATION | |

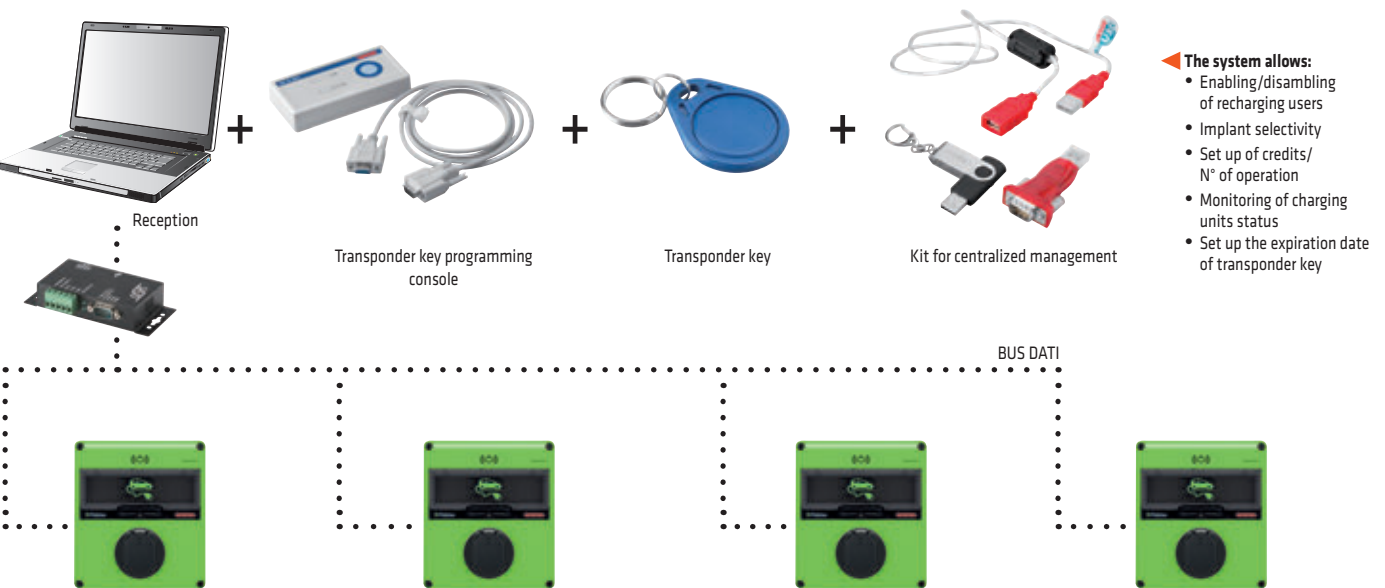
R-EV EASY PARKING - ENABLING USER - STAND ALONE SYSTEM

EV charging units are connected to the central PC by data BUS



R-EV EASY PARKING - ENABLING USER - CENTRALIZED SYSTEM

EV charging units are independent from the central PC



Technical data

| R-EV EASY HOME – SLOW SURFACE-MOUNTING CHARGING STATION | | | | | |
|---|---|---|---|---|------------------------------------|
| Recharging mode (EN 61851) | Mode 2 | | Mode 3 | | |
| Recharging case (EN 61851) | Case A or B | | Case C | Case A or B | |
| Models | GW 68 114 | GW 68 115 | GW 68 116 | GW 68 117 | GW 68 118 |
| Power supply | | | | | |
| Single Phase 230V / 50Hz (2P+T) | X | | X | X | X |
| Three phase 230V / 400V / 50Hz (3P+N+T) | | X | | | |
| Nominal current | 32 | 50 | 20 | 20 | 20 |
| Maximum power output (kW) | 2,6 | 22 | 4,6 | 4,6 | 4,6 |
| Connectors (EN 62196) | - | - | N. 1 connector - Type 1 (5 m. cable) | N. 1 connector - Type 2 (5 m. cable) | N. 1 socket Type 2 with shutter |
| Other connectors | N. 3 domestic sockets std. ITA/DE | N. 1 domestic sockets std. ITA/DE N. 1 socket IEC 309 3P+N+E 16A 400V N. 1 socket IEC 309 3P+N+E 32A 400V | - | - | - |
| Protection devices | N. 1 main switch 40A 2P N. 3 RCBO 10A 2P Curve C - Type A 0,03A | N. 1 main switch 63A 2P N. 1 RCBO 10A 2P Curve C - Type A 0,03A N. 1 RCBO 16A 4P Curve C - Type A 0,03A N. 1 RCBO 32A 4P Curve C - Type A 0,03A | - | - | - |
| Type of recharging | Slow | Slow | Slow | Slow | Slow |
| User enabling | Direct | Direct | Trought key selector house into the enclosure | | |
| IP Degree (with plug inserted) | IP54 (IP21) | IP54 (IP21) | IP44 | IP44 | IP54 |
| Impact resistance IK | IK08 | | IK08 | | |
| Material | Thermoplastic | | Thermoplastic | | |
| Operating temperature (Min. e Max.) | -25°C; +40°C | | -25°C; +50°C | | |

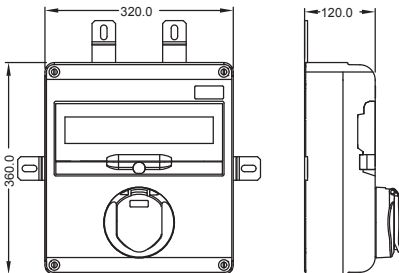
Dimension table

| R-EV EASY HOME | | | | | |
|------------------------|--|------------------------|--|-----------|--|
| | | | | | |
| GW 68 114 GW 68 115 | | GW 68 116 GW 68 117 | | GW 68 118 | |

Technical data

| R-EV EASY PARKING – SLOW AND ACCELERATED SURFACE-MOUNTING CHARGING STATION | | |
|--|---------------------------------|---------------------------------|
| Recharging mode (EN 61851) | Mode 3 | |
| Recharging case (EN 61851) | Case A or B | |
| Models | GW 68 119 | GW 68 120 |
| Power supply | | |
| Single Phase 230V / 50Hz (2P+T) | X | |
| Three phase 230V / 400V / 50Hz (3P+N+T) | | X |
| Nominal current | 32 | 32 |
| Maximum power output (kW) | 7,4 kW | 22 Kw |
| Connectors (EN 62196) | N. 1 socket Type 2 with shutter | N. 1 socket Type 2 with shutter |
| Protection devices | - | - |
| Type of recharging | Slow | Accelerated |
| User enabling | Through key selector | |
| IP Degree (with plug inserted) | IP54 | |
| Impact resistance IK | IK08 | |
| Material | Thermoplastic | |
| Operating temperature (Min. e Max.) | -25°; +50°C | |

Dimension tables

| R-EV EASY PARKING |
|---|
| <div><p>Technical drawing of the GW 68 119 - GW 68 120 charging station. The drawing shows two views: a front view and a side view. The front view is a square unit with a width of 320.0 mm and a height of 360.0 mm. It features a central display screen, a key selector, and a Type 2 charging socket. The side view shows a depth of 120.0 mm. The unit is labeled 'GW 68 119 - GW 68 120' at the bottom.</p></div> |

R-EVOLUTION - LOCAL MANAGEMENT

The system allows:

- Reporting
- Reading of figures regarding consumption and operations carried out
- Circuit status check



The charging stations are connected in sequence via an RS 485 communication line (max. 10 stations per line), which is connected to a PC via an RS 485-USB converter



The charging stations are connected in sequence via an RS 485 communication line (max.10 stations per line). The ETHERNET KIT (code GW68111) is then inserted inside a floor-mounting charging station, from which all information that is finally sent to the PC is transmitted.

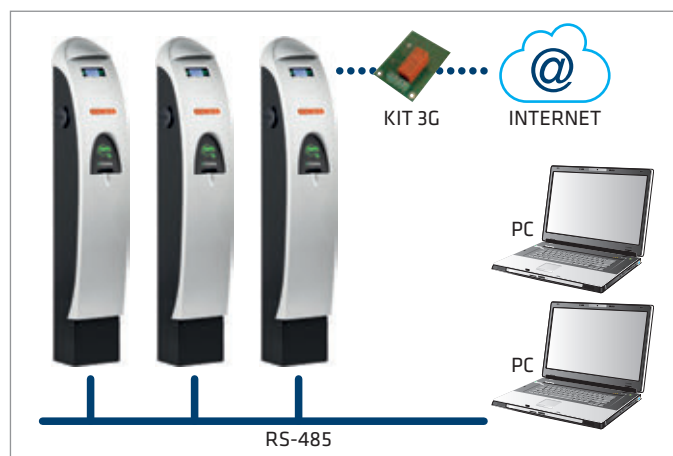
R-EVOLUTION - LOCAL AND REMOTE MANAGEMENT

The system allows:

- Remote identification and authorisation
- Monitoring of circuit and customer status
- Remote activation/ deactivation of circuits
- Reporting



The charging stations are connected in sequence via an RS 485 communication line (max.10 stations per line). The ETHERNET KIT (code GW68111) is then inserted inside a floor-mounting charging station, enabling information to be transmitted to the PC. By adding a router, the information can be transferred to the network, and accordingly, the system can be managed remotely.

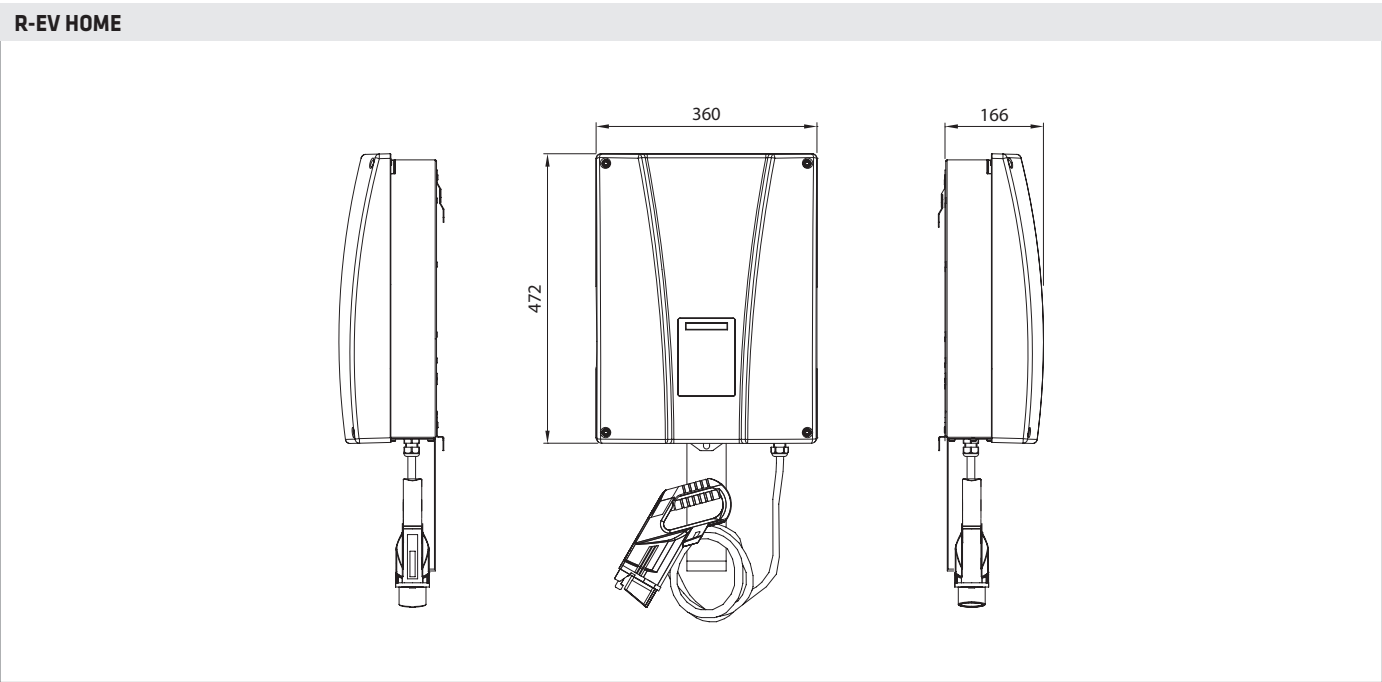


The charging stations are connected in sequence via an RS 485 communication line (max.10 stations per line). The 3G KIT (code GW68112 or GW68113) is then inserted inside a floor-mounting charging station, enabling all of the information regarding the charging stations on the network to be transmitted to a control centre.

Technical data

| R-EV HOME - SLOW SURFACE-MOUNTING CHARGING STATION | | | | |
|--|--------------------------------------|---|--------------------------------------|---|
| Recharging mode (EN 61851) | MODE 3 | | | |
| Recharging case(EN 61851) | CASE C | | | |
| Models | GW68101 | GW68101R | GW68102R | GW68102R |
| Power supply | | | | |
| Single Phase 230 V / 50 Hz (2P+E) | X | X | X | X |
| Three Phase 400 V / 50 Hz (3P+N+E) | | | | |
| Nominal current | 20 | 20 | 20 | 20 |
| Maximum power output (kW) | 4.6 | 4.6 | 4.6 | 4.6 |
| Connectors (EN62196) | N. 1 connector - Type 1 (6 M. cable) | N. 1 connector - Type 1 (6 M. cable) | N. 1 connector - Type 2 (6 M. cable) | N. 1 connector - Type 2 (6 M. cable) |
| Protection devices | - | Miniature circuit braker + Restart Autotest | - | Miniature circuit braker + Restart Autotest |
| Type of recharging | Slow | Slow | Slow | Slow |
| Users enabling | Through key selector | | | |
| Degree of protection IP | IP44 | | | |
| Impact resistance IK | IK10 | | | |
| Material | Aluminium case | | | |
| External surface | Anti-graffiti painted - RAL 9003 | | | |
| Operating temperature (Min. e Max.) | -25°C; +50°C | | | |

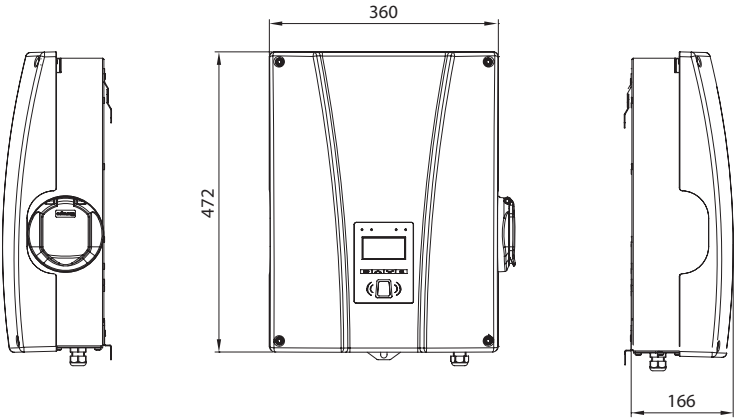
Dimension tables



Technical data

| R-EV PARKING - SLOW AND ACCELERATED SURFACE-MOUNTING CHARGING STATION | | | | | |
|---|----------------------------------|------------------------|----------------------|------------------------|-------------------------|
| Recharging mode (EN 61851) | MODE 3 | | | | |
| Recharging case(EN 61851) | CASE A or B | | | | |
| Models | GW68103 | GW68103R | GW68104 | GW68104R | GW68104C |
| Power supply | | | | | |
| Single Phase 230 V / 50 Hz (2P+E) | X | X | | | |
| Three Phase 400 V / 50 Hz (3P+N+E) | | | X | X | X |
| Nominal current | 32 | 32 | 32 | 32 | 32 |
| Maximum power output (kW) | 7.4 | 7.4 | 22 | 22 | 22 |
| Connectors (EN62196) | N. 1 socket - Type 2 | N. 1 socket - Type 2 | N. 1 socket - Type 2 | N. 1 socket - Type 2 | N. 1 socket - Type 2 |
| Protection devices | RCBO | MCB + Restart Autotest | RCBO | MCB + Restart Autotest | RCBO + DC earth leakage |
| Energy consuption metering | MID meter | MID meter | MID meter | MID meter | MID meter |
| Type of recharging | Slow | Slow | Accelerated | Accelerated | Accelerated |
| Users enabling | Through RFID card | | | | |
| Degree of protection IP | IP54 | | | | |
| Impact resistance IK | IK10 (Display IK08) | | | | |
| Material | Aluminium case | | | | |
| External surface | Anti-graffiti painted - RAL 9003 | | | | |
| Operating temperature (Min. e Max.) | -25°C; +50°C | | | | |

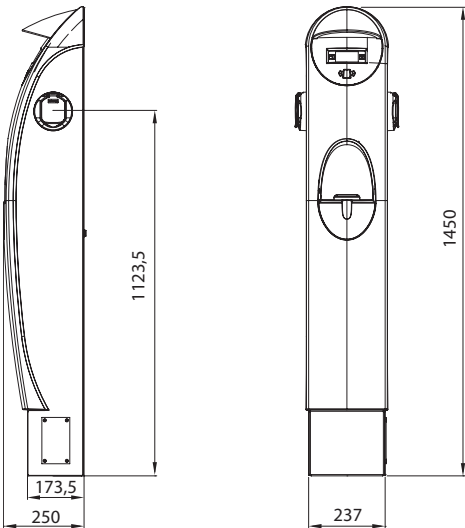
Dimension tables

| R-EV PARKING | |
|--|--|
|  | |

Technical data

| R-EV PARKING+ - SLOW AND ACCELERATED FLOOR-MOUNTING CHARGING STATION | | | | | |
|--|-----------------------|------------------------|-----------------------|------------------------|-------------------------|
| Recharging mode (EN 61851) | MODE 3 | | | | |
| Recharging case(EN 61851) | CASE A or B | | | | |
| Models | GW68105 | GW68105R | GW68106 | GW68106R | GW68106C |
| Power supply | | | | | |
| Single Phase 230 V / 50 Hz (2P+E) | X | X | | | |
| Three Phase 400 V / 50 Hz (3P+N+E) | | | X | X | X |
| Nominal current | 32 | 32 | 32 | 32 | 32 |
| Maximum power output (kW) | 7,4 + 7,4 | 7,4 + 7,4 | 22 + 22 | 22 + 22 | 22+22 |
| Connectors (EN62196) | N. 2 sockets - Type 2 | N. 2 sockets - Type 2 | N. 2 sockets - Type 2 | N. 2 sockets - Type 2 | N. 2 sockets - Type 2 |
| Protection devices | RCBO | MCB + Restart Autotest | RCBO | MCB + Restart Autotest | RCBO + DC earth leakage |
| Energy consuption metering | MID meter | MID meter | MID meter | MID meter | MID meter |
| Type of recharging | Slow | Slow | Accelerated | Accelerated | Accelerated |
| Users enabling | Through RFID card | | | | |
| Degree of protection IP | IP54 | | | | |
| Impact resistance IK | IK10 | | | | |
| Material | polyurethane case | | | | |
| External surface | Anti-graffiti painted | | | | |
| Operating temperature (Min. e Max.) | -25°C; +50°C | | | | |

Dimension tables

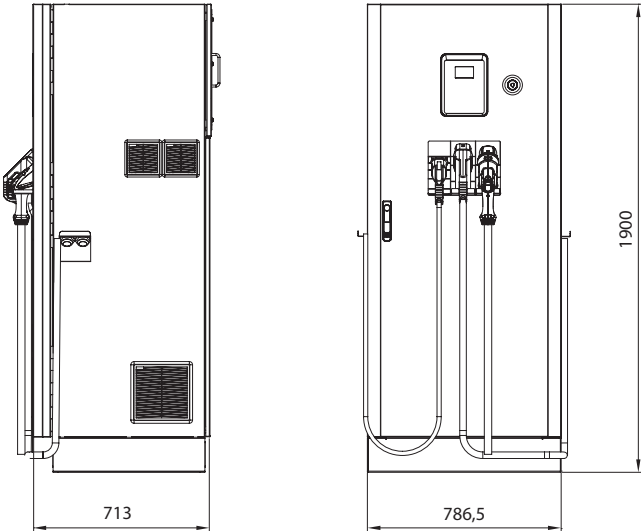
| R-EV PARKING+ |
|--|
|  |

Technical data

| R-EV STATION - FAST FLOOR-MOUNTING CHARGING STATION | | | |
|---|----------------------------------|---------------------------|---|
| Recharging mode (EN 61851) | MODE 3 and MODE 4 | | |
| Recharging case(EN 61851) | CASE C | | |
| Models | GW68107 | GW68108 | GW68109 |
| Power supply | | | |
| Single Phase 230 V / 50 Hz (2P+E) | | | |
| Three Phase 400 V / 50 Hz (3P+N+E) | X | X | X |
| Nominal current | 75 | 75 | 95 |
| Maximum power output (kW) | 43 | 50 | 43/50/43* |
| Connectors (EN62196) | N. 1 connector CHAdeMO | N. 1 connector Combo 2 | N. 1 connector CHAdeMO N. 1 connector Combo 2 N. 1 connector Tipo 2 |
| Protection devices | Miniature circuit breaker | Miniature circuit breaker | Miniature circuit breaker + Restart Autotest |
| Energy consuption metering | MID meter | MID meter | MID meter |
| Type of recharging | Fast | Fast | Fast |
| Users enabling | Through RFID card | | |
| Degree of protection IP | IP54 | | |
| Impact resistance IK | IK10 | | |
| Material | steel case | | |
| External surface | Anti-graffiti painted - RAL 9010 | | |
| Operating temperature (Min. e Max.) | -25°C; +40°C | | |

(*) Is intended the MAX power for each connector into the Multistandard version: CHAdeMO (43kW), COMBO 2 (50 kW) and Type 2 (50kW).

Dimension tables

| R-EV STATION |
|--|
|  |

Control and signalling

70 RT

ROTARY SWITCHES







74 PS



PUSH-BUTTONS, SELECTORS AND INDICATORS Ø 22MM



SURFACE-MOUNTING ROTARY SWITCHES IN INSULATING OR METAL BOX, FOR COMMAND AND EMERGENCY - IP65

| Rated current | Poles | | Insulating | | External dimension (mm) | | Metal | | External dimension (mm) |
|---------------|-------|---|------------|-----------|-------------------------|--|-----------|-----------|-------------------------|
| | | | Command | Emergency | | | Command | Emergency | |
| 16A | 2 |  | GW 70 401 | GW 70 431 | 114x114x71,5 |  | GW 70 531 | GW 70 561 | 140,6x165,6x97 |
| | 3 | | GW 70 402 | GW 70 432 | 114x114x71,5 | | GW 70 532 | GW 70 562 | 140,6x165,6x97 |
| | 4 | | GW 70 403 | GW 70 433 | 114x114x71,5 | | GW 70 533 | GW 70 563 | 140,6x165,6x97 |
| 32A | 2 | | GW 70 404 | GW 70 434 | 114x114x71,5 | | GW 70 534 | GW 70 564 | 140,6x165,6x97 |
| | 3 | | GW 70 405 | GW 70 435 | 114x114x71,5 | | GW 70 535 | GW 70 565 | 140,6x165,6x97 |
| | 4 | | GW 70 406 | GW 70 436 | 114x114x71,5 | | GW 70 536 | GW 70 566 | 140,6x165,6x97 |
| 40A | 2 |  | GW 70 413 | GW 70 441 | 114x114x71,5 |  | GW 70 537 | GW 70 567 | 140,6x165,6x97 |
| | 3 | | GW 70 414 | GW 70 442 | 114x114x71,5 | | GW 70 538 | GW 70 568 | 140,6x165,6x97 |
| | 4 | | GW 70 415 | GW 70 443 | 114x114x71,5 | | GW 70 539 | GW 70 569 | 140,6x165,6x97 |
| 63A | 3 | | GW 70 407 | GW 70 437 | 170x170x96 | | GW 70 540 | GW 70 570 | 214,8x251,8x126,7 |
| | 4 | | GW 70 408 | GW 70 438 | 170x170x96 | | GW 70 541 | GW 70 571 | 214,8x251,8x126,7 |
| 80A | 3 | | - | - | - | | GW 70 542 | GW 70 572 | 214,8x251,8x126,7 |
| | 4 | | - | - | - | | GW 70 543 | GW 70 573 | 214,8x251,8x126,7 |
| 100A | 3 | | - | - | - | | GW 70 544 | GW 70 574 | 214,8x251,8x126,7 |
| | 4 | | - | - | - | | GW 70 545 | GW 70 575 | 214,8x251,8x126,7 |
| 125A | 3 | | - | - | - | | GW 70 546 | GW 70 576 | 307,2x257,2x171,6 |
| | 4 | | - | - | - | | GW 70 547 | GW 70 577 | 307,2x257,2x171,6 |
| 160A | 3 | | - | - | - | | GW 70 548 | GW 70 578 | 307,2x257,2x171,6 |
| | 4 | | - | - | - | | GW 70 549 | GW 70 579 | 307,2x257,2x171,6 |

ROTARY SWITCHES FOR DISTRIBUTION BOARD

| Rated current | Poles | No. DIN EN 50022 modules | Adjustment field (mm) | Version for board | | Pack / carton | Version fox fixing on DIN rail | | Pack / carton |
|---------------|-------|--------------------------|-----------------------|---|-----------|---------------|--|-----------|---------------|
| 16A | 2 | 3 | 87 - 145 |  | GW 70 001 | 1/10 |  | GW 70 201 | 1/30 |
| | 3 | | | | GW 70 002 | | | GW 70 202 | |
| | 4 | | | | GW 70 003 | | | GW 70 203 | |
| 32A | 2 | 4 | | | GW 70 004 | | | GW 70 204 | 1/24 |
| | 3 | | | | GW 70 005 | | | GW 70 205 | |
| | 4 | | | | GW 70 006 | | | GW 70 206 | |
| 63A | 3 | 5 | 114 - 177 | GW 70 007 | 1/5 | GW 70 207 | 1/12 | | |
| | 4 | | GW 70 008 | GW 70 208 | | | | | |

COMPLEMENTARY ITEMS

| Code | Description | Adjustment field | Pack / carton |
|-----------|--|---|---------------|
| GW 70 009 | Adjustable extension brackets in galvanised steel for rear fixing, complete with self-tapping screws - set of 4 brackets | 117 - 305 mm (16/32A) 144 - 337 mm (63A) | 1/10 |
| GW 70 409 | Lockable red knob with yellow flange emergency 16-32-40A | | 1/20 |
| GW 70 410 | Lockable red knob with yellow flange emergency 63-80-100A | | 1/18 |

70 RT

Rotary switches

Rotary switches for commands (with black knob) and emergency (with red knob), available in two different application versions – surface-mounting and on-board mounting. The surface-mounting box versions, which have a degree of protection of IP65 and can be fitted with a padlock, come in either an isolating enclosure (from 16 A to 63 A) or a metal enclosure (from 16 A to 160 A). The board versions are subdivided into those with emergency door release, and those for DIN rail assembly, from 16A to 63A.



Technical characteristics page 1198

SURFACE-MOUNTING ROTARY SWITCHES IN ISOLATING MATERIAL - IP65

COMMAND VERSIONS



GW 70 408

ROTARY SURFACE-MOUNTING SWITCHES - COMMAND VERSION WITH LOCKABLE BLACK KNOB - IP65

| Code | No. of poles | Outer dim. LxHxD (mm) | Pack Carton |
|------------------------------|--------------|-----------------------|-------------|
| Rated current (A): 16 | | | |
| GW 70 401 | 2 | 114x114x71.5 | 1/16 |
| GW 70 402 | 3 | 114x114x71.5 | 1/16 |
| GW 70 403 | 4 | 114x114x71.5 | 1/16 |
| Rated current (A): 32 | | | |
| GW 70 404 | 2 | 114x114x71.5 | 1/16 |
| GW 70 405 | 3 | 114x114x71.5 | 1/16 |
| GW 70 406 | 4 | 114x114x71.5 | 1/16 |
| Rated current (A): 40 | | | |
| GW 70 413 | 2 | 114x114x71.5 | 1/16 |
| GW 70 414 | 3 | 114x114x71.5 | 1/16 |
| GW 70 415 | 4 | 114x114x71.5 | 1/16 |
| Rated current (A): 63 | | | |
| GW 70 407 | 3 | 170x170x96 | 1/6 |
| GW 70 408 | 4 | 170x170x96 | 1/6 |

NOTES: Can be padlocked with 3 locks in the OFF position and one in the ON position.

EMERGENCY VERSIONS



GW 70 431

SURFACE MOUNTING INSULATING ROTARY SWITCHES, EMERGENCY VERSION WITH LOCKABLE RED KNOB ON YELLOW FLANGE - IP65

| Code | No. of poles | Outer dim. LxHxD (mm) | Pack Carton |
|------------------------------|--------------|-----------------------|-------------|
| Rated current (A): 16 | | | |
| GW 70 431 | 2 | 114x114x71.5 | 1/16 |
| GW 70 432 | 3 | 114x114x71.5 | 1/16 |
| GW 70 433 | 4 | 114x114x71.5 | 1/16 |
| Rated current (A): 32 | | | |
| GW 70 434 | 2 | 114x114x71.5 | 1/16 |
| GW 70 435 | 3 | 114x114x71.5 | 1/16 |
| GW 70 436 | 4 | 114x114x71.5 | 1/16 |
| Rated current (A): 40 | | | |
| GW 70 441 | 2 | 114x114x71.5 | 1/16 |
| GW 70 442 | 3 | 114x114x71.5 | 1/16 |
| GW 70 443 | 4 | 114x114x71.5 | 1/16 |
| Rated current (A): 63 | | | |
| GW 70 437 | 3 | 170x170x96 | 1/6 |
| GW 70 438 | 4 | 170x170x96 | 1/6 |

ACCESSORIES SUPPLIED: GW44622 screwcaps.

NOTES: Can be padlocked with 3 locks in the OFF position.

SURFACE-MOUNTING ROTARY SWITCHES IN METAL BOX - IP65

COMMAND VERSIONS



GW 70 539

ROTARY SURFACE-MOUNTING SWITCHES IN METAL BOX - COMMAND VERSION WITH BLACK KNOB - IP65

| Code | No. of poles | Outer dim. LxHxD (mm) | Holes entry | Pack Carton |
|-------------------------------|--------------|-----------------------|---------------|-------------|
| Rated current (A): 16 | | | | |
| GW 70 531 | 2 | 140.6x165.6x97 | 4xM20 | 1 |
| GW 70 532 | 3 | 140.6x165.6x97 | 4xM20 | 1 |
| GW 70 533 | 4 | 140.6x165.6x97 | 4xM20 | 1 |
| Rated current (A): 32 | | | | |
| GW 70 534 | 2 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| GW 70 535 | 3 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| GW 70 536 | 4 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| Rated current (A): 40 | | | | |
| GW 70 537 | 2 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| GW 70 538 | 3 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| GW 70 539 | 4 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| Rated current (A): 63 | | | | |
| GW 70 540 | 3 | 214.8x251.8x126.7 | 4xM32 | 1 |
| GW 70 541 | 4 | 214.8x251.8x126.7 | 4xM32 | 1 |
| Rated current (A): 80 | | | | |
| GW 70 542 | 3 | 214.8x251.8x126.7 | 4xM32 | 1 |
| GW 70 543 | 4 | 214.8x251.8x126.7 | 4xM32 | 1 |
| Rated current (A): 100 | | | | |
| GW 70 544 | 3 | 214.8x251.8x126.7 | 4xM32 | 1 |
| GW 70 545 | 4 | 214.8x251.8x126.7 | 4xM32 | 1 |
| Rated current (A): 125 | | | | |
| GW 70 546 | 3 | 307.2x257.2x171.6 | | 1 |
| GW 70 547 | 4 | 307.2x257.2x171.6 | | 1 |
| Rated current (A): 160 | | | | |
| GW 70 548 | 3 | 307.2x257.2x171.6 | | 1 |
| GW 70 549 | 4 | 307.2x257.2x171.6 | | 1 |

CHARACTERISTICS: box in painted die-cast aluminium alloy metallised grey.

NOTES: can be padlocked with 3 locks in the OFF position and one in the ON position.

EMERGENCY VERSIONS



GW 70 566

ROTARY SURFACE-MOUNTING SWITCHES IN METAL BOX - EMERGENCY VERSION WITH LOCKABLE RED KNOB ON YELLOW FLANGE - IP65

| Code | No. of poles | Outer dim. LxHxD (mm) | Holes entry | Pack Carton |
|-------------------------------|-----------------|--------------------------|----------------|----------------|
| Rated current (A): 16 | | | | |
| GW 70 561 | 2 | 140.6x165.6x97 | 4xM20 | 1 |
| GW 70 562 | 3 | 140.6x165.6x97 | 4xM20 | 1 |
| GW 70 563 | 4 | 140.6x165.6x97 | 4xM20 | 1 |
| Rated current (A): 32 | | | | |
| GW 70 564 | 2 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| GW 70 565 | 3 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| GW 70 566 | 4 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| Rated current (A): 40 | | | | |
| GW 70 567 | 2 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| GW 70 568 | 3 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| GW 70 569 | 4 | 140.6x165.6x97 | 2xM20 + 2xM25 | 1 |
| Rated current (A): 63 | | | | |
| GW 70 570 | 3 | 214.8x251.8x126.7 | 4xM32 | 1 |
| GW 70 571 | 4 | 214.8x251.8x126.7 | 4xM32 | 1 |
| Rated current (A): 80 | | | | |
| GW 70 572 | 3 | 214.8x251.8x126.7 | 4xM32 | 1 |
| GW 70 573 | 4 | 214.8x251.8x126.7 | 4xM32 | 1 |
| Rated current (A): 100 | | | | |
| GW 70 574 | 3 | 214.8x251.8x126.7 | 4xM32 | 1 |
| GW 70 575 | 4 | 214.8x251.8x126.7 | 4xM32 | 1 |
| Rated current (A): 125 | | | | |
| GW 70 576 | 3 | 307.2x257.2x171.6 | | 1 |
| GW 70 577 | 4 | 307.2x257.2x171.6 | | 1 |
| Rated current (A): 160 | | | | |
| GW 70 578 | 3 | 307.2x257.2x171.6 | | 1 |
| GW 70 579 | 4 | 307.2x257.2x171.6 | | 1 |

CHARACTERISTICS: box in painted die-cast aluminium alloy metallised grey.

NOTES: Can be padlocked with 3 locks in the OFF position.

CONTROL ROTARY SWITCHES FOR DISTRIBUTION BOARD

VERSION FOR DISTRIBUTION BOARD

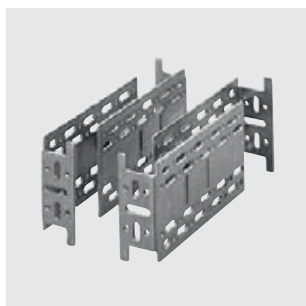


GW 70 001

CONTROL ROTARY SWITCHES FOR DISTRIBUTION BOARD
WITH PADLOCKABLE RED KNOB AND CONTROL TRANSMISSION SHAFT

| Code | No. of poles | No. of modules EN 50022 | Regulation field | Pack Carton |
|------------------------------|--------------|-------------------------|------------------|-------------|
| Rated current (A): 16 | | | | |
| GW 70 001 | 2 | 3 | 87-145 mm | 1/10 |
| GW 70 002 | 3 | 3 | 87-145 mm | 1/10 |
| GW 70 003 | 4 | 3 | 87-145 mm | 1/10 |
| Rated current (A): 32 | | | | |
| GW 70 004 | 2 | 4 | 87-145 mm | 1/10 |
| GW 70 005 | 3 | 4 | 87-145 mm | 1/10 |
| GW 70 006 | 4 | 4 | 87-145 mm | 1/10 |
| Rated current (A): 63 | | | | |
| GW 70 007 | 3 | 5 | 114-177 mm | 1/5 |
| GW 70 008 | 4 | 5 | 114-177 mm | 1/5 |

CHARACTERISTICS: the regulation field can be obtained by cutting the shaft supplied. Correctly installed, it ensures the IP65 protection rating.



GW 70 009

GALVANIZED STEEL EXTENDING BRACKETS FOR REAR FIXING,
COMPLETE WITH SELF-TAPPING SCREWS - SET OF 4 BRACKETS

| Code | For rotary control switches | Regulation field | Pack Carton |
|-----------|-----------------------------|---|-------------|
| GW 70 009 | 16A - 32A - 40A - 63A | 117-305 mm (16-32-40A) - 144-337 mm (63A) | 1/10 |

CHARACTERISTICS: the regulation field can be obtained by cutting both the shaft supplied and the extension brackets at the references shown.

VERSION FOR FIXING ON DIN RAIL



GW 70 203

ROTARY CONTROL SWITCHES FOR DIN RAIL WITH BLACK HANDLE

| Code | No. of poles | No. of modules EN 50022 | Pack Carton |
|------------------------------|--------------|-------------------------|-------------|
| Rated current (A): 16 | | | |
| GW 70 201 | 2 | 3 | 1/30 |
| GW 70 202 | 3 | 3 | 1/30 |
| GW 70 203 | 4 | 3 | 1/30 |
| Rated current (A): 32 | | | |
| GW 70 204 | 2 | 4 | 1/24 |
| GW 70 205 | 3 | 4 | 1/24 |
| GW 70 206 | 4 | 4 | 1/24 |
| Rated current (A): 63 | | | |
| GW 70 207 | 3 | 5 | 1/12 |
| GW 70 208 | 4 | 5 | 1/12 |

APPLICATIONS: the rotary control switches can be used for the following services according to the categories of use::

- AC-22 (mixed, resistive and inductive load control with modest overloading),,
- AC-3 (cage motor operation on starting and in arrangement with motor running),,
- AC-23 (control of motors or other high induction loads). (EN 60947-3)

COMPLEMENTARY ITEMS



GW 70 410

PADLOCKABLE RED KNOBS WITH YELLOW FLANGE FOR EMERGENCY

| Code | For rotary control switches | Pack Carton |
|-----------|-----------------------------|-------------|
| GW 70 409 | 16A - 32A - 40A | 1/20 |
| GW 70 410 | 63A - 80A - 100A | 1/18 |

APPLICATIONS: suitable for conversion of the command versions if you want to implement emergency versions.

70 ATEX - DISCONNECTING SWITCHES IN PAINTED ALUMINIUM BOX - ZONE 22 (D)

CONTROL VERSIONS IN ALUMINIUM ALLOY BOX



GW 70 451

ATEX ROTARY WALL-MOUNTING SWITCHES FOR CONTROL, WITH BLACK KNOB - IP65

| Code | No. of poles | Power AC3 400V (kW) | Outer dim. LxHxD (mm) | Pack Carton |
|-------------------------------|--------------|---------------------|-----------------------|-------------|
| Rated current (A): 16 | | | | |
| GW 70 451 | 2P | 6 (230V) | 140.5x165.5x170 | 1 |
| GW 70 452 | 3P | 10 | 140.5x165.5x170 | 1 |
| GW 70 453 | 4P | 10 | 140.5x165.5x170 | 1 |
| Rated current (A): 32 | | | | |
| GW 70 454 | 2P | 9 (230V) | 140.5x165.5x170 | 1 |
| GW 70 455 | 3P | 15 | 140.5x165.5x170 | 1 |
| GW 70 456 | 4P | 15 | 140.5x165.5x170 | 1 |
| Rated current (A): 63 | | | | |
| GW 70 457 | 3P | 18.5 | 140.5x165.5x170 | 1 |
| GW 70 458 | 4P | 18.5 | 140.5x165.5x170 | 1 |
| Rated current (A): 100 | | | | |
| GW 70 459 | 3P | 30 | 215x252x127 | 1 |
| GW 70 460 | 4P | 30 | 215x252x127 | 1 |

ACCESSORIES SUPPLIED: cable gland M25 for 16A versions, M32 for 32A versions, and M40 for 63-100A.

CHARACTERISTICS: box in aluminium alloy painted in Grey RAL 7037.

ATEX Classification: Equipment-group II Category 3D.

Dust protection mode: tc.

Room temperature: -20°C t_{int}= Ta t_{int}= +40 °C.

NOTES: Can be padlocked with 3 locks in the OFF position and one in the ON position.

EMERGENCY VERSIONS IN ALUMINIUM ALLOY BOX



GW 70 471

ATEX ROTARY WALL-MOUNTING SWITCHES FOR EMERGENCY, WITH RED KNOB - IP65

| Code | No. of poles | Power AC3 400V (kW) | Outer dim. LxHxD (mm) | Pack Carton |
|-------------------------------|--------------|---------------------|-----------------------|-------------|
| Rated current (A): 16 | | | | |
| GW 70 471 | 2P | 6 (230V) | 140.5x165.5x170 | 1 |
| GW 70 472 | 3P | 10 | 140.5x165.5x170 | 1 |
| GW 70 473 | 4P | 10 | 140.5x165.5x170 | 1 |
| Rated current (A): 32 | | | | |
| GW 70 474 | 2P | 9 (230V) | 140.5x165.5x170 | 1 |
| GW 70 475 | 3P | 15 | 140.5x165.5x170 | 1 |
| GW 70 476 | 4P | 15 | 140.5x165.5x170 | 1 |
| Rated current (A): 63 | | | | |
| GW 70 477 | 3P | 18.5 | 140.5x165.5x170 | 1 |
| GW 70 478 | 4P | 18.5 | 140.5x165.5x170 | 1 |
| Rated current (A): 100 | | | | |
| GW 70 479 | 3P | 30 | 215x252x127 | 1 |
| GW 70 480 | 4P | 30 | 215x252x127 | 1 |

ACCESSORIES SUPPLIED: cable gland M25 for 16A versions, M32 for 32A versions, and M40 for 63-100A.

CHARACTERISTICS: box in aluminium alloy painted in Grey RAL 7037.

ATEX Classification: Equipment-group II Category 3D.

Dust protection mode: tc.

Room temperature: -20°C t_{int}= Ta t_{int}= +40 °C.

NOTES: Can be padlocked with 3 locks in the OFF position.

70 RT



PRACTICAL, EFFICIENT PRODUCTS



The double insulation of the boxes is guaranteed by the screwcaps (supplied) and fixing brackets. The switches can be assembled individually or combined, while the reversible design of the back-mounting box offers optimum installation versatility.

LOCKABLE KNOBS



To ensure absolute safety, the knobs can be padlocked with 3 locks in the OFF position (emergency version) and 1 additional lock in the ON position (command version).

SYNERGY WITH THE GEWISS CASINGS



Thanks to the EN50022 modular profile, the rotary switches for boards can be installed in distribution boards or enclosures for commanding equipment or sub-dividing circuits. The extension brackets GW70009 allow you to adjust the assembly depth of the switch according to the type of board.

70 RT ROTARY SWITCHES - INSULATING BOX

Rotary control switch for continuous operation, assembled in boards and watertight boxes and equipped with fixing accessories enabling use as: back-gearred command on doors, locking switches on access doors to boards and emergency switches.

Complying with standard EN 60947-3.

TECHNICAL DATA AND COMPLIANCE WITH STANDARDS

| | | 16 A | 32 A | 40A | 63 A |
|--|-------------------|------|------|-----|------|
| Thermal rated current I_{th} in air | A | 16 | 32 | 40 | 63 |
| Thermal rated current I_{the} in case | A | 16 | 32 | 40 | 63 |
| Rated operating voltage U_e | V | 400 | 400 | 400 | 500 |
| Rated insulation voltage U_i (III/3) | V | 690 | 690 | 690 | 690 |
| Rated operating voltage U_e AC-21 A | A | 16 | 32 | 40 | 63 |
| RATED OPERATING POWER | | | | | |
| Category of use AC-3 A | | | | | |
| Caged motors: motor start/stop during rotation | 3 x 400V kW | 5 | 10 | 12 | 19 |
| Category of use AC-23 A | | | | | |
| Manoeuvre of motors or other highly inductive loads | 3 x 400V kW | 7 | 14 | 18 | 28 |
| Rated breaking capacity AC-23A $\cos \phi = 0,45$ | 3 x 400V A | 160 | 320 | 400 | 630 |
| PROTECTION AGAINST SHORT-CIRCUITING | | | | | |
| Rated conditional short-circuit current with fuse | kA _{eff} | 10 | 10 | 6 | 10 |
| Maximum fuse current (gG) | A | 16 | 32 | 40 | 63 |
| Brief rated current I_{cw} (1-s-current) | A _{eff} | 500 | 750 | 750 | 1200 |
| Terminal screws | | M3 | M3 | M3 | M5 |

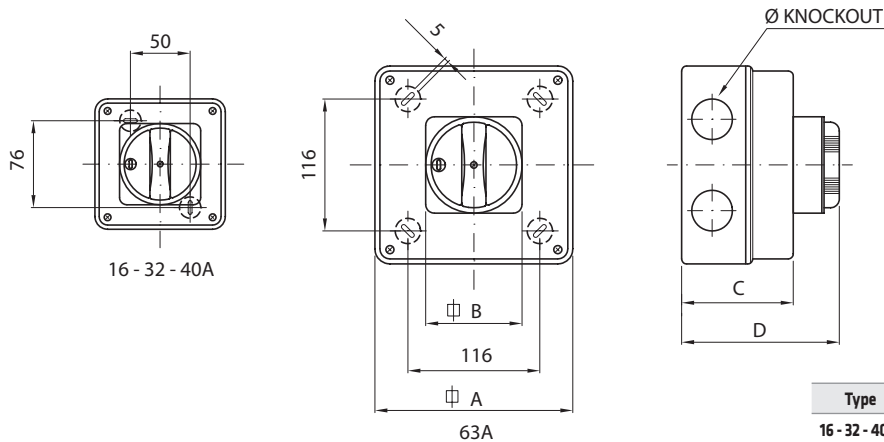
| Type of device | | Heat resistance | Resistance to abnormal heat and fire | Resistance to surface currents (V) | Terminal tightening capacity (mm²) | | | | Impact resistance of case at ambient temperature (IK code) |
|----------------|--------|--------------------------------|--------------------------------------|------------------------------------|------------------------------------|-----|-----------------|-----|--|
| | | Thermo-pressure with ball (°C) | Glow wire test (°C) | | rigid cables | | flexible cables | | |
| no. poles | In (A) | | | | max | min | max | min | |
| 2 - 3 - 4 | 16 | 125 (device) 80 (case) | 850 (device) 650 (case) | 175 (50 drops) | 4 | 1.5 | 2.5 | 1.5 | IK 08 |
| 2 - 3 - 4 | 32 | | | | 10 | 1.5 | 6 | 1.5 | |
| 2 - 3 - 4 | 40 | | | | 10 | 1.5 | 6 | 1.5 | |
| 3 - 4 | 63 | | | | 25 | 2.5 | 16 | 1.5 | |

BEHAVIOUR WITH ATMOSPHERIC AND CHEMICAL AGENTS

| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Not resistant | Limited resistance | Limited resistance |

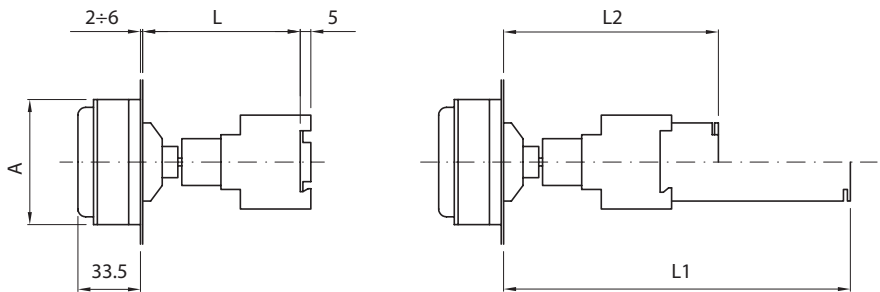
Dimension tables

SURFACE-MOUNTING ROTARY SWITCHES IP 65



| Type | A | B | C | D | KNOCKOUT |
|----------------|-----|----|------|-------|----------|
| 16 - 32 - 40 A | 114 | 70 | 71.5 | 100 | 23 |
| 63 A | 170 | 82 | 96 | 124.5 | 37.5 |

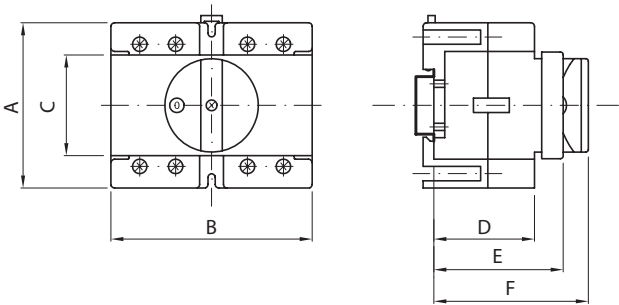
BOARD-MOUNTING ROTARY SWITCHES: DOOR-LOCKING VERSION



| One-way switch | WITHOUT BRACKETS | | WITH BRACKETS | | A |
|----------------|------------------|---------------------|--------------------------|-----------------------------|----|
| | Supplied with L | Adjustable up to L* | L1 max length obtainable | L2 min length obtainable ** | |
| 16 A | 145 | 87 | (145+160) 305 | (87+30) 117 | 70 |
| 32 A | 145 | 87 | (145+160) 305 | (87+30) 117 | 70 |
| 63 A | 177 | 114 | (117+160) 337 | (114+30) 144 | 82 |

* Position obtainable by cutting the shaft supplied.
 ** Position obtainable by cutting both the shaft supplied, and the brackets, in the points shown.

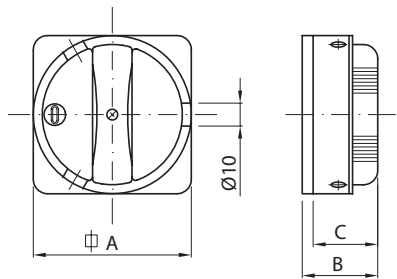
BOARD-MOUNTING ROTARY SWITCH: VERSION FOR ASSEMBLY ON DIN RAIL EN 50022



| Type | A | B | C | D | E | F |
|------|----|------|----|----|----|----|
| 16 A | 52 | 53 ★ | 45 | 35 | 53 | 68 |
| 32A | 55 | 71 ● | 45 | 37 | 53 | 68 |
| 63 A | 73 | 89 ▲ | 45 | 44 | 56 | 68 |

★ Occupies 3 modules (17.5mm). ● Occupies 4 modules (17.5mm). ▲ Occupies 5 modules (17.5mm).

LOCKABLE RED KNOB WITH YELLOW FLANGE FOR EMERGENCY



| Type | A | B | C |
|-----------------|----|------|------|
| 16 - 32 - 40 A | 70 | 33.5 | 28.5 |
| 63 - 80 - 100 A | 82 | 33.5 | 28.5 |

70 RT

70 RT ROTARY SWITCHES - METAL BOX

Surface-mounting rotary control switch for continuous operation, in die-cast aluminum boxes color metallic gray.

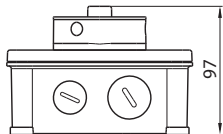
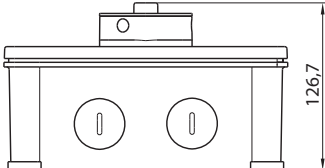
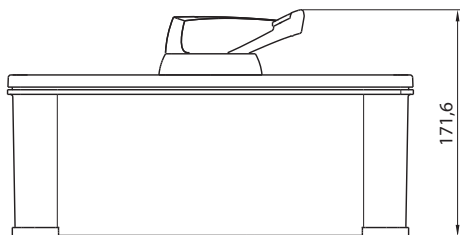
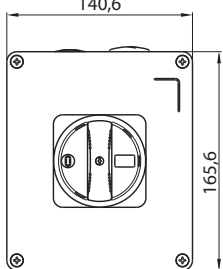
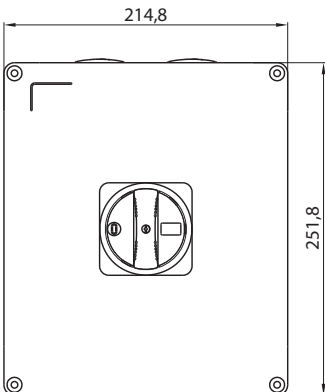
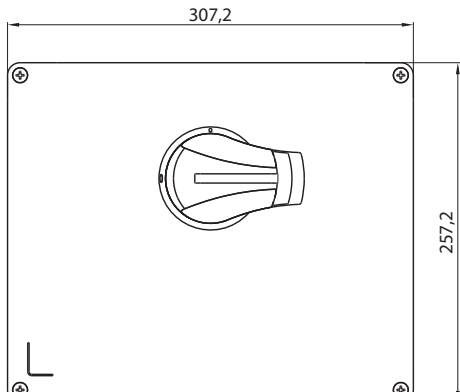
Disconnecter versions with $I_n \geq 80A$.

IP degree: IP65.

According to EN 60947-3.

| TECHNICAL DATA AND COMPLIANCE WITH STANDARD | | | | | | | | | |
|--|-------------------|------|------|-----|------|------|-------|-------|-------|
| | | 16 A | 32 A | 40A | 63 A | 80 A | 100 A | 125 A | 160 A |
| Thermal rated current I_{th} in air | A | 16 | 32 | 40 | 63 | 80 | 100 | 125 | 160 |
| Thermal rated current I_{the} in case | A | 16 | 32 | 40 | 63 | 80 | 95 | 120 | 160 |
| Rated operating voltage U_e | V | 400 | 400 | 400 | 500 | 400 | 400 | 500 | 500 |
| Rated insulation voltage U_i (III/3) | V | 690 | 690 | 690 | 690 | 800 | 800 | 800 | 800 |
| Rated operating voltage U_e AC-21 A | A | 16 | 32 | 40 | 63 | 80 | 95 | 120 | 160 |
| RATED OPERATING POWER | | | | | | | | | |
| Category of use AC-3 A | | | | | | | | | |
| Caged motors: motor start/stop during rotation | 3 x 400V kW | 5 | 10 | 12 | 19 | 25 | 29 | 39 | 50 |
| Category of use AC-23A | | | | | | | | | |
| Manoeuvre of motors or other highly inductive loads | 3 x 400V kW | 7 | 14 | 18 | 28 | 36 | 42 | 28 | 72 |
| Rated breaking capacity AC-23A $\cos \varphi = 0,45$ | 3 x 400V A | 160 | 320 | 400 | 630 | 800 | 950 | 1200 | 1600 |
| PROTECTION AGAINST SHORT-CIRCUITING | | | | | | | | | |
| Rated conditional short-circuit current with fuse | kA _{eff} | 10 | 10 | 6 | 10 | 50 | 15 | 50 | 50 |
| Maximum fuse current (gG) | A | 16 | 32 | 40 | 63 | 80 | 100 | 125 | 160 |
| Brief rated current I_{cw} (1-s-current) | A _{eff} | 500 | 750 | 750 | 1200 | 1500 | 1500 | 2500 | 4000 |

Dimension tables




| SURFACE-MOUNTING ROTARY SWITCH - IP65 | | |
|---|---|--|
|  |  |  |
|  |  |  |
| VERSIONS 16A - 32A - 40A | VERSIONS 63A - 80A - 100A | VERSIONS 125A - 160A |

Switch disconnectors for command and emergency in aluminium box painted in Grey Ral 7037, suitable for use in **ZONE 22(D)** with rated current of 16-32-63-100A.
Standard: EN 60947-3. EN 61241-0. EN60079-0. EN60079-31 - Dir. ATEX 94/9/CE.

Note: for the behaviour with chemical and atmospheric agents, contact SAT Customer Service (+ 39 035/946111).

SWITCH DISCONNECTORS FOR COMMAND AND EMERGENCY







| Colour | MOMENTARY ROUND PUSH-BUTTONS | | | | | |
|--------|------------------------------|---|---------------|--|--------------------|---|
| | With guard | | Without guard | | With backlit guard | |
| Green | GW 74 301 |  | GW 74 313 |  | GW 74 341 |  |
| Black | GW 74 302 | | GW 74 312 | | - | |
| White | GW 74 303 | | GW 74 314 | | GW 74 342 | |
| Red | GW 74 304 | | GW 74 311 | | GW 74 343 | |
| Blue | GW 74 305 | | GW 74 315 | | GW 74 344 | |
| Yellow | GW 74 306 | | GW 74 316 | | GW 74 345 | |


| Colour | ROUND MUSHROOM-HEAD PUSH-BUTTONS - Ø 40 MM | | | |
|--------|--|---|-----------------|---|
| | With holding | | Without holding | |
| Red | GW 74 364 |  | GW 74 363 |  |
| | GW 74 367 | | GW 74 366 | |


| Colour | ROUND MUSHROOM-HEAD EMERGENCY PUSH-BUTTONS - Ø 40 MM | | | |
|--------|--|---|----------------------|---|
| | With holding | | With holding and key | |
| Red | GW 74 361 |  | GW 74 362 |  |
| | GW 74 365 | | | |


In bold, the illuminated versions

| Positions | ROUND SELECTORS | | | | | |
|-----------|---------------------------------|---|-------------------------------------|--|------------------------|---|
| | Lever type with fixed positions | | Extractable key with fixed position | | Lever type with return | |
| 0 - 1 | GW 74 401 |  | GW 74 411 |  | GW 74 421 |  |
| 1 - 0 - 2 | GW 74 402 | | GW 74 412 | | GW 74 422 | |

| Colour | LUMINOUS INDICATORS | |
|------------|---------------------|---|
| | Direct power supply | |
| Green | GW 74 451 |  |
| Red | GW 74 452 | |
| Yellow | GW 74 453 | |
| Light blue | GW 74 454 | |
| White | GW 74 455 | |

| COMPLEMENTARY ITEMS | | | |
|-----------------------------|-------------|-----------|---|
| Type | | Contact | |
| Single contact | 1 NO | GW 74 501 |  |
| | 1 NC | GW 74 502 | |
| Dual contact | 2 NO | GW 74 503 | |
| | 2 NC | GW 74 505 | |
| | 1 NO + 1 NC | GW 74 504 | |
| Lamp-holder - BA9S coupling | | GW 74 511 | |

| | COMPLETE CONTAINERS | | | | |
|-----------------------|---------------------|---|-----------|-----------|-----------------------|
| Indicator lights Ø 22 | With guard | | No. gangs | Contacts | Dimensions (LxHxD) mm |
| Generic (black) | GW 27 201 |  | 1 | 1 NO | 66x82x65 |
| Emergency (red) | GW 27 202 | | 1 | 1 NO 1 NC | 66x82x65 |
| Start (green) | GW 27 203 | | 2 | 1 NO 1 NC | 132x82x65 |
| Stop (red) | | | | | |
| Start (green) | GW 27 204 | | 3 | 1 NO 1 NC | 66x171x65 |
| Stop (red) | | | | | |
| Signalling (white) | | | | | |

| EMPTY CONTAINERS | | | | | |
|------------------|---------------|---|--------------|----------------------|-----------------------|
| No. gangs | Code | | Side entries | Top / Bottom entries | Dimensions (LxHxD) mm |
| 1 | GW 27 101 |  | 2 x Ø 23 | 2 x Ø 23 | 66x82x65 |
| 1 | GW 27 111 (*) | | 2 x Ø 23 | 2 x Ø 23 | 66x82x65 |
| 2 | GW 27 102 | | 6 x Ø 23 | 2 x Ø 23 | 132x82x65 |
| 3 | GW 27 103 | | 4 x Ø 23 | 2 x Ø 23 | 66x171x65 |
| 6 | GW 27 104 | | 4 x Ø 23 | 6 x Ø 23 | 132x171x65 |
| 12 | GW 27 105 | | 4 x Ø 23 | 6 x Ø 23 | 264x171x65 |

(*) GW 27 111: yellow lid and grey back-mounting box - Specific for emergency push-buttons.
For all illuminated versions, the LED lamp must be purchased separately: GW 74 515 (12V); GW 74 516 (24V); GW 74 517 (110V); GW 74 518 (230V).

74 PS

Push-buttons, selectors and indicators Ø 22mm

The 74 PS range is a system of push-buttons, selectors and indicators (diameter 22 mm) with a degree of protection of IP66 for creating a real interface between man and machine, whilst at the same time controlling the operating status of the drives and equipment to ensure the highest safety standards.

The range includes six types of empty enclosure with between 1 and 12 gangs, and enclosures that come fitted with push-buttons and contacts.



Technical characteristics page 1210

OPERATORS Ø 22 MM - IP66



MOMENTARY PUSH-BUTTONS



GW 74 301

MOMENTARY PUSH-BUTTONS WITH ROUND GUARD

| Code | Colour | Pack Carton |
|-----------|--------|----------------|
| GW 74 301 | Green | 10/60 |
| GW 74 302 | Black | 10/60 |
| GW 74 303 | White | 10/60 |
| GW 74 304 | Red | 10/60 |
| GW 74 305 | Blue | 10/60 |
| GW 74 306 | Yellow | 10/60 |

APPLICATION: suitable for avoiding accidental activation, e.g.: gates, tool machines, etc..

SUPPLIED: 3-seat flange (2 of which are contact-holders).

CHARACTERISTICS: Also compatible with the watertight emergency enclosure GW42204 and GW42207.



GW 74 311

MOMENTARY PUSH-BUTTONS WITHOUT ROUND GUARD

| Code | Colour | Pack Carton |
|-----------|--------|----------------|
| GW 74 311 | Red | 10/60 |
| GW 74 312 | Black | 10/60 |
| GW 74 313 | Green | 10/60 |
| GW 74 314 | White | 10/60 |
| GW 74 315 | Blue | 10/60 |
| GW 74 316 | Yellow | 10/60 |

SUPPLIED: 3-seat flange (2 of which are contact-holders).

CHARACTERISTICS: Also compatible with the watertight emergency enclosure GW42204 and GW42207.



GW 74 345

MOMENTARY PUSH-BUTTONS WITH BACKLIT ROUND GUARD

| Code | Colour | Pack Carton |
|-----------|--------|----------------|
| GW 74 341 | Green | 10/60 |
| GW 74 342 | White | 10/60 |
| GW 74 343 | Red | 10/60 |
| GW 74 344 | Blue | 10/60 |
| GW 74 345 | Yellow | 10/60 |

APPLICATION: ideal for viewing the user operating status without the need for additional indicator lamps.

SUPPLIED: 3-seat flange (2 of which are contact-holders).

CHARACTERISTICS: can be combined with the lamp-holder GW74511 + LED lamp.

Also compatible with the watertight emergency enclosure GW42204 and GW42207.

MUSHROOM-HEAD PUSH-BUTTONS



GW 74 367

ROUND MUSHROOM-HEAD PUSH-BUTTONS - MUSHROOM Ø 40MM

| Code | Functions | Characteristics | Pack Carton |
|-----------|-----------------|-----------------|----------------|
| GW 74 363 | Without holding | Not illuminated | 10/60 |
| GW 74 364 | With holding | Not illuminated | 10/60 |
| GW 74 366 | Without holding | Backlit | 10/60 |
| GW 74 367 | With holding | Backlit | 10/60 |

SUPPLIED: 3-seat flange (2 of which are contact-holders).
NOTE: compatible with the emergency enclosure GW42204.
CHARACTERISTICS: GW74366 and GW74367 can be combined with the lamp-holder GW74511 + LED lamp.
Also compatible with the watertight emergency enclosure GW42204 and GW42207.

EMERGENCY PUSH-BUTTONS



GW 74 361

ROUND MUSHROOM-HEAD EMERGENCY BUTTONS - MUSHROOM Ø 40MM

| Code | Functions | Characteristics | Pack Carton |
|-----------|----------------------|-----------------|----------------|
| GW 74 361 | With holding | Not illuminated | 10/60 |
| GW 74 362 | With holding and key | Not illuminated | 10/60 |
| GW 74 365 | With holding | Backlit | 10/60 |

APPLICATION: suitable for emergency use, in accordance with Standard IEC 60947-5-5.
SUPPLIED: 3-seat flange (2 of which are contact-holders).
NOTE: all the keys are supplied with a standardised code.
CHARACTERISTICS: GW74365 can be combined with the lamp-holder GW74511 + LED lamp.

SELECTORS



GW 74 401

ROUND LEVER SELECTORS WITH FIXED POSITION

| Code | No. gangs | Type | Pack Carton |
|-----------|--------------|-----------|----------------|
| GW 74 401 | 2 | 0 - 1 | 10/60 |
| GW 74 402 | 3 | 1 - 0 - 2 | 10/60 |

CHARACTERISTICS: operator in thermoplastic material.
Also compatible with the watertight emergency enclosure GW42204 and GW42207.
SUPPLIED: 3-seat flange (2 of which are contact-holders).



GW 74 411

ROUND KEY SELECTORS WITH FIXED POSITION AND REMOVABLE KEY

| Code | No. gangs | Type | Pack Carton |
|-----------|--------------|-----------|----------------|
| GW 74 411 | 2 | 0 - 1 | 10/60 |
| GW 74 412 | 3 | 1 - 0 - 2 | 10/60 |

CHARACTERISTIC: operator in thermoplastic material.
SUPPLIED: 3-seat flange (2 of which are contact-holders).
NOTE: all the keys are supplied with a standardised code.



GW 74 421

ROUND LEVER SELECTORS WITH - 0 - RETURN POSITION

| Code | No. gangs | Type | Pack Carton |
|-----------|-----------|-----------|-------------|
| GW 74 421 | 2 | 0 - 1 | 10/60 |
| GW 74 422 | 3 | 1 - 0 - 2 | 10/60 |

CHARACTERISTIC: operator in thermoplastic material. Also compatible with the watertight emergency enclosure GW42204 und GW42207.
SUPPLIED: 3-seat flange (2 of which are contact-holders).

INDICATORS - IP66



EN 60529

INDICATORS



GW 74 452

ROUND BACKLIT INDICATORS WITH DIRECT SUPPLY NOMINAL VOLTAGE 230 V - BA9S LAMP FIXING

| Code | Colour | Pack Carton |
|-----------|--------|-------------|
| GW 74 451 | Green | 10/60 |
| GW 74 452 | Red | 10/60 |
| GW 74 453 | Yellow | 10/60 |
| GW 74 454 | Blue | 10/60 |
| GW 74 455 | White | 10/60 |

CHARACTERISTICS: lamp not included. Max lamp power 1 W.
Also compatible with the watertight emergency enclosure GW42204 and GW42207.
NOTE: the colour of the diffuser should be chosen in accordance with the colour code recommended by Standard CEI 16-3. If using 110 V LEDs code GW74517 and 230 V LEDs code GW74518, it is recommended to remove the opal cover on the indicator to improve the light flow.

COMPLEMENTARY ITEMS

ACCESSORIES



CONTACTS - ITH=10A - 250V AC

| Code | Type | Colour | Pack Carton |
|-----------|-------------|--------|----------------|
| GW 74 501 | 1 NO | Green | 1/30 |
| GW 74 502 | 1 NC | Red | 1/30 |
| GW 74 503 | 2 NO | Green | 1/30 |
| GW 74 504 | 1 NO + 1 NC | White | 1/30 |
| GW 74 505 | 2 NC | Red | 1/30 |

CHARACTERISTICS: GW74502 suitable for contact opening also in the event of slight sticking, in compliance with Standard EN 60947-5-1.
Clip assembly on the contact-holder flanges.

NOTES: the dual contacts type: GW74503, GW74504 and GW74505 are not compatible with the watertight emergency enclosures GW42204 and GW42207.



GW 74 511

LAMP-HOLDER - LAMP COUPLING BA9S

| Code | Power supply | Lamp power | Pack Carton |
|-----------|--------------|---------------|----------------|
| GW 74 511 | Direct | 1 W | 1/30 |

CHARACTERISTICS: Clip assembly on the contact-holder flanges. To be positioned in the central seat of the flange.

APPLICATIONS: to be used with the backlit momentary push-buttons with guard and backlit mushroom-head push-buttons, to produce operating signals.



GW 74 515

BULBS - BA9S LAMP FIXING

| Code | Type | Rated voltage | Pack Carton |
|-----------|------|------------------|----------------|
| GW 74 515 | LED | 12 V | 10/100 |
| GW 74 516 | LED | 24 V | 10/100 |
| GW 74 517 | LED | 110 V | 10/100 |
| GW 74 518 | LED | 230 V | 10/100 |

APPLICATIONS: To be used with the backlit indicators or the lamp-holder GW74511.

NOTE: If using 110 V LEDs code GW74517 and 230 V LEDs code GW74518, it is recommended to remove the opal cover on the indicator to improve the light flow.



GW 74 521

BLACK SCREWCAP FOR UNWIRED ENCLOSURES FOR PUSH-BUTTONS WITH A ROUND SHAPE - Ø 22 MM

| Code | Colour | Pack Carton |
|-----------|--------|----------------|
| GW 74 521 | Black | 10/100 |

CHARACTERISTIC: thermoplastic screw cap.



GW 74 523

PLATES

| Code | Suitable for | Shape | Colour | Text | Pack Carton |
|-----------|---|-------------|--------|----------------|-------------|
| GW 74 522 | Push-buttons, indicators and selectors Ø 22mm | Rectangular | Black | - | 5/100 |
| GW 74 523 | Mushroom-head emergency button | Round | Yellow | Emergency-Stop | 10/100 |

CHARACTERISTIC: the plates allow you to assign the push-button, selector and indicator functions.

NOTE: GW74523 to be used when the emergency push-buttons are installed on the panel.

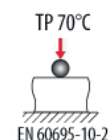
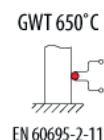


GW 74 525

TOOLS

| Code | Description | Material | Pack Carton |
|-----------|-----------------------------|---------------|-------------|
| GW 74 524 | Tool for mounting ring nuts | Metal | 10/100 |
| GW 74 525 | extraction tool Lamp | Thermoplastic | 10/100 |

COMBI 22 - INSULATING ENCLOSURES FOR OPERATORS AND INDICATORS - IP66



ENCLOSURES



GW 27 101

UNWIRED ENCLOSURES FOR PUSH-BUTTONS, CONTROLS AND INDICATORS Ø 22 MM - GREY RAL 7035

| Code | No. gangs | Side entries | Top entries | Bottom entries | Outer dim. LxHxD (mm) | Pack Carton |
|------------------------------|-----------|--------------|-------------|----------------|-----------------------|-------------|
| Colour: Grey RAL 7035 | | | | | | |
| GW 27 101 | 1 | 2xØ 23 | 1xØ 23 | 1xØ 23 | 66x82x65 | 5/60 |
| Colour: Yellow cover | | | | | | |
| GW 27 111 | 1 | 2xØ 23 | 1xØ 23 | 1xØ 23 | 66x82x65 | 5/60 |
| Colour: Grey RAL 7035 | | | | | | |
| GW 27 102 | 2 | 6xØ 23 | 1xØ 23 | 1xØ 23 | 132x82x65 | 2/30 |
| GW 27 103 | 3 | 4xØ 23 | 1xØ 23 | 1xØ 23 | 66x171x65 | 1/20 |
| GW 27 104 | 6 | 4xØ 23 | 3xØ 23 | 3xØ 23 | 132x171x65 | 1/10 |
| GW 27 105 | 12 | 4xØ 23 | 3xØ 23 | 3xØ 23 | 264x171x65 | 1/10 |

CHARACTERISTICS: degree of protection guaranteed with IP66 operators correctly installed.

The hole seat has knockouts for installing operators with any reference.

GW27111 with specific yellow lid for assembling emergency push-buttons GW74361, GW74362 and GW74365.

NOTES: the empty containers can be supplied with push-buttons, commands and indicators Ø 22 mm and single contacts, type GW74501 and GW74502.

COMPLETE ENCLOSURES



GW 27 202

COMPLETE ENCLOSURES - GREY RAL 7035

| Code | No. gangs | Contacts | Operators Ø 22 | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-----------|-------------|--------------------------|-----------------------|-------------|
| GW 27 201 | 1 | 1 NO | General (black) | 66x82x65 | 1/30 |
| GW 27 202 | 1 | 1 NO - 1 NC | Emergency (red) | 66x82x65 | 1/30 |
| GW 27 203 | 2 | 1 NO - 1 NC | Start (green) Stop (red) | 132x82x65 | 1/10 |
| GW 27 204 | 3 | 1 NO - 1 NC | Start, stop, indicator | 66x171x65 | 1/10 |

CHARACTERISTICS: 3-seat flange. Maximum protrusion of the operator from the container: GW27201, GW20203, GW27204 - 20mm; GW27202 - 25mm.

GW27202: yellow lid, mushroom-head push-button with retainer.

GW27204: direct supply, BA9S coupling included, max 380V-2 W, lamp not included, operators Ø 22 for run (green), stop (red), signalling (white).

Complete insulation, in accordance with Standard IEC 536.



GW 66 745

WATERTIGHT LIDS

| Code | Dimensions LxH (mm) | Suitable for | Colour | Pack Carton |
|-----------|---------------------|-----------------------------|--------|-------------|
| GW 66 708 | 85x75 | 1 Button Ø22 mm Range 74 PS | Grey | 1/20 |
| GW 66 745 | 85x75 | 1 Button Ø22 mm Range 74 PS | Yellow | 1/20 |

APPLICATIONS: GW66745 specific for emergency push-buttons.

ACCESSORIES SUPPLIED: gasket and mounting screws.

COMPLEMENTARY ITEMS



GW 27 402

JUNCTION BOX FOR COMBINED ASSEMBLY OF MODULAR CONTAINERS
GREY RAL 7035 - IP55

| Code | No. knockout holes Ø23 | Lid screws | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|------------------------------|-----------------|-----------------------|-------------|
| GW 27 402 | 8 on sides / 1 on the bottom | Stainless steel | 132x82x55 | 2/60 |

CHARACTERISTICS: knockout holes removable with tool. Enclosures are fit for fixing the earth terminal GW26407. Complete insulation can be obtained by using the screwcaps GW44622.



GW 26 406

WATERTIGHT COUPLING DEVICE FOR CONTAINERS, DEVICES AND BOXES - IP55

| Code | Mounting hole Ø (mm) | Type of pitch | Pack Carton |
|-----------|----------------------|---------------|-------------|
| GW 26 406 | 23 | PG16 | 25/250 |

APPLICATIONS: for the combined assembly of enclosures, junction boxes, etc..



GW 44 622

INSULATING SCREW CAP

| Code | Description | Pack Carton |
|-----------|----------------|----------------|
| GW 44 622 | Screwcap Ø16mm | 10/100 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.



CONTACTS - ITH=10A - 250V AC

| Code | Type | Colour | Pack Carton |
|-----------|------|--------|----------------|
| GW 74 501 | 1 NO | Green | 1/30 |
| GW 74 502 | 1 NC | Red | 1/30 |

CHARACTERISTICS: GW74502 suitable for contact opening also in the event of slight sticking, in compliance with Standard EN 60947-5-1.
Clip assembly on the contact-holder flanges. Compatible with the emergency enclosure GW42204.

74 ATEX - COMMAND EQUIPMENT IN BOX - ZONE 22 (D)

FOR EMERGENCY



GW 74 232

MUSHROOM-HEAD EMERGENCY PUSH-BUTTON IN DIE-CAST ALUMINIUM ALLOY BOX GREY RAL 7037 - IP65

| Code | Type | Contacts | Pack Carton |
|-----------|--------------------------|-----------|----------------|
| GW 74 232 | Red mushroom-head + hold | 1NC / 1NO | 1 |

CHARACTERISTICS: yellow label with "Emergency - Stop" inscription. External dimensions (LxHxD): 113.5x138.5x95 mm.

ACCESSORY SUPPLIED: 1 ATEX M20 brass cable gland.

ATEX Classification: Equipment-group II Category 3D.

Type of protection for use in explosive dust atmospheres: tc.

Ambient temperature range: -20°C Glt;= Ta Glt;= +40°C.

FOR OPERATING/STOPPING



GW 74 233

RUN/STOP PUSH-BUTTONS IN DIE-CAST ALUMINIUM ALLOY BOX GREY RAL 7037 - IP65

| Code | Type | Contacts | Pack Carton |
|-----------|----------------------|---------------------|----------------|
| GW 74 233 | Green Red with guard | Green NO and red NC | 1 |

CHARACTERISTICS: NC contact suitable for opening also in the case of slight sticking, in compliance with standard EN 60947-5 -1.

Push-buttons protected with transparent silicone cap. External dimensions (LxHxD): 113.5x138.5x80 mm.

ACCESSORIES SUPPLIED: 1 ATEX M20 brass cable gland.

ATEX Classification: Equipment-group II Category 3D.

Type of protection for use in explosive dust atmospheres: tc.

Ambient temperature range: -20°C Glt;= Ta Glt;= +40°C.

74 PS



THE ADVANTAGES OF LED TECHNOLOGY



The products of the new 74 PS range can be illuminated and combined with LED lamps with a BA9S coupling for optimum performance, full reliability, a longer lifespan and less maintenance.

QUICK, RELIABLE AND SAFE INSTALLATION



Thanks to the practical clip coupling mechanism of the contacts, panel assembly times are drastically reduced. The dual contact versions increase installation flexibility and extend the maximum number of contacts for each device.

SYNERGY WITH THE GEWISS RANGES



The high degree of protection - IP66 - means the 74 PS operators can be housed inside or outside GEWISS containers such as the 46 range boards, the 42RV emergency enclosures, the 27 COMBI boxes or the 42TV support bases.

74 PS - INDICATOR LIGHTS Ø 22 mm - IP66

| TECHNICAL CHARACTERISTICS (push-buttons and selectors) | | | |
|--|---|--------------------------------|--|
| Regulation: EN 60947-1 (CEI 17-44); EN 60947-5-1 (CEI 17-45) | Category of use at 230V: | AC15 (*) 3A | |
| Degree of protection: IP66 (terminals IP20) | | DC13 (**) 0.55A | |
| Rated insulation voltage: 690V | Protection against indirect contacts: double insulation | <input type="checkbox"/> (***) | |
| Impact resistance: 100 m/s ² (maximum breaking load 1000 m/s ²) | Electrical endurance (AC-12) 230V 6A: | 250 000 operations | |
| Operating temperature: -25°C to +55 °C | Thermal rated current of contacts Ith: | 10A | |
| Storage temperature: -45°C to +85 °C | Pollution rating class : | 3 | |

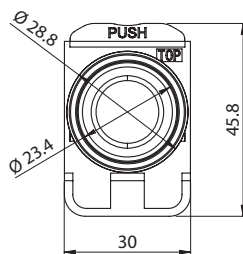
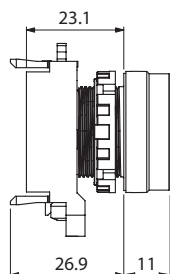
(*) AC 15 = Electromagnet control in AC (**) DC 13 = Electromagnet control in DC (***) According to standard EN61140

74 PS - INDICATORS - IP66

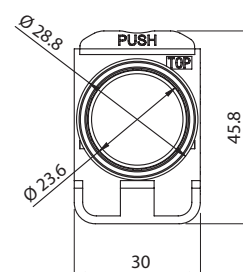
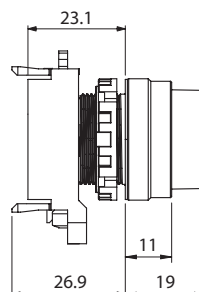
| TECHNICAL CHARACTERISTICS | | | |
|--|--|-----|-----------------------------------|
| Regulation: EN 60947-1 (CEI 17-44); EN 60947-5-1 (CEI 17-45); EN 62471 | Operating temperature: -25°C to +55 °C | | |
| Degree of protection: IP66 (terminals IP20) | Storage temperature: -45°C to +85 °C | | |
| Rated insulation voltage: 690V | Lamp: | LED | Coupling: BA9S Max power: 1W |
| Impact resistance: 100 m/s ² (maximum breaking load 1000 m/s ²) | | | |

| Type | Code | Voltage | LED current |
|------|-----------|----------|-------------|
| LED | GW 74 515 | 12V | 5mA |
| | GW 74 516 | 24V | 4mA |
| | GW 74 517 | 110V | 3mA |
| | GW 74 518 | 230/240V | 3mA |

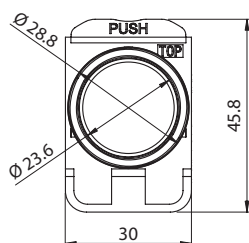
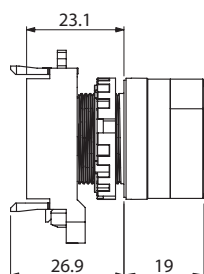
Dimension tables



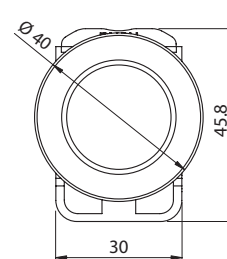
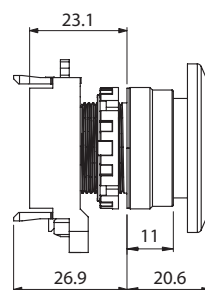
GW 74 301 ÷ GW 74 306



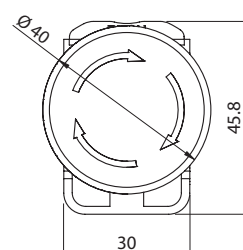
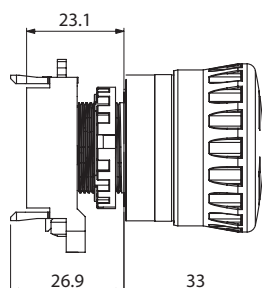
GW 74 311 ÷ GW 74 316



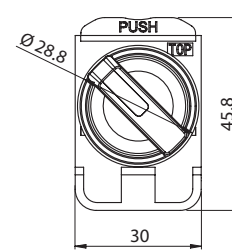
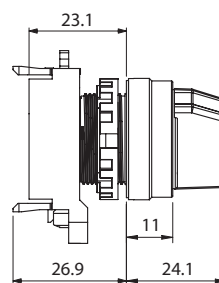
GW 74 341 ÷ GW 74 345



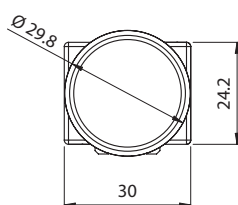
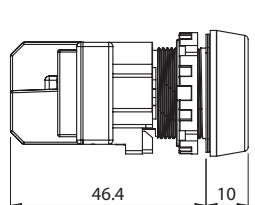
GW 74 363 - GW 74 364
GW 74 366 - GW 74 367



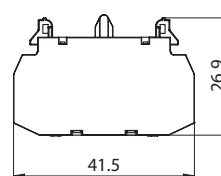
GW 74 361 - GW 74 365



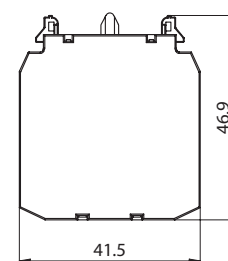
GW 74 401 - GW 74 402
GW 74 421 - GW 74 422



GW 74 451 ÷ GW 74 455




GW 74 501 - GW 74 502



GW 74 503 ÷ GW 74 505

COMBI 22 - CONTAINERS IN INSULATING MATERIAL FOR PUSH-BUTTONS, CONTROLS AND INDICATORS - IP66

| TECHNICAL CHARACTERISTICS | |
|--|--|
| Standard: IEC 60670-1; IEC 60670-22; EN 60670-1; EN 60670-22; CEI EN 60670-1; | Material: GW PLAST |
| CEI EN 60670-22 | Impact resistance at ambient temperature: IK 08 |
| Degree of protection: IP66 | Resistance to abnormal heat and fire: thermo-pressure with ball 70°C |
| Protection against direct contact: double insulation  (*) | Glow wire test 650°C |
| Maximum operating temperature: min. -25°C; max. +60°C | |
| (*) Complete insulation, in accordance with EN 61140 Standard, obtainable by using the GW 44 622 screwcaps. | |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|-----------|--------------|-----------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Resistant | Resistant | Resistant | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

COMBI 22


Technical drawings of the COMBI 22 container showing three views: front, side, and top. The front view shows a square container with dimensions A (width) and B (height). A central circular hole is labeled with a diameter of 22mm and the text 'No. GANGS'. The side view shows the container's profile with dimension C (depth) and a central circular hole labeled with a diameter of 22mm. The top view shows the container's top surface with dimensions D (width) and E (height). The container has four mounting holes at the corners and a central circular hole.

| Code | No. gangs | A | B | C | D | E | No. knockouts |
|-----------|-----------|-----|-----|----|-----|-----|---------------|
| GW 27 101 | 1 | 66 | 82 | 65 | 44 | 48 | 4 |
| GW 27 111 | | | | | 48 | 110 | 8 |
| GW 27 102 | 2 | 132 | 82 | | 44 | 137 | 6 |
| GW 27 103 | 3 | 66 | 171 | | 110 | | 10 |
| GW 27 104 | 6 | 132 | 171 | | 210 | | 10 |
| GW 27 105 | 12 | 264 | 171 | | | | |

74 ATEX BOX CONTROL DEVICES

Run/stop and emergency push-buttons in aluminium box painted in Grey Ral 7037, suitable for use in **ZONE 22(D)**, equipped with contacts and cable gland in insulating material.

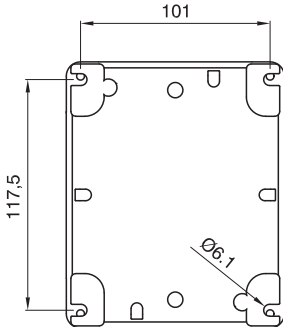
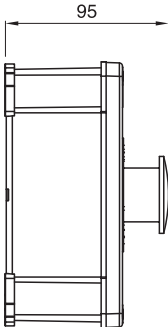
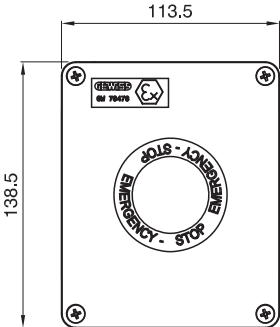
Technical data and compliance with Standards

| Products | Reference Standards | Degree of protection (IP) | Protection against indirect contacts | Installation temperature | | Thermo-pressure with ball (°C) | Glow Wire Test (°C) |
|-----------|---|---------------------------|---|--------------------------|---------|--------------------------------|---------------------|
| | | | | Minimum | Maximum | | |
| Run-Stop | EN 60947-5-1 EN 60079-0 EN 60079-31 ATEX directive 94-9/EC | IP66 |  | -25°C | +60°C | 70°C | 650°C |
| Emergency | | | | | | | |

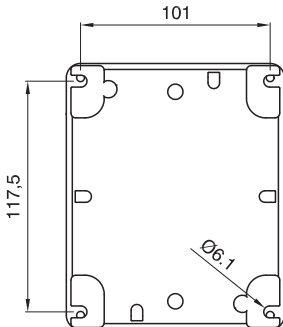
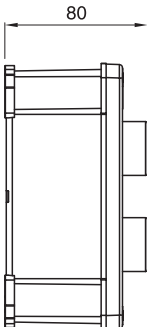
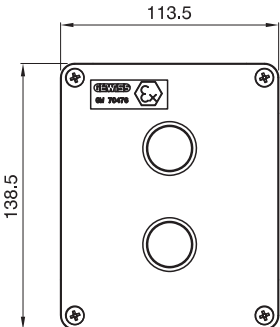
Note: for the behaviour with chemical and atmospheric agents, contact SAT Customer Service (+39 035/946111).

Dimension tables

EMERGENCY PUSH-BUTTON GW 74 232



EMERGENCY PUSH-BUTTON GW 74 233



Surface-mounting boards

46

WATERTIGHT SURFACE-MOUNTING DISTRIBUTION AND AUTOMATION BOARDS



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40 CD

SURFACE-MOUNTING DISTRIBUTION BOARDS
AND ENCLOSURES



pag. 1252

40 CDe

ENCLOSURES AND DISTRIBUTION BOARDS
FOR SPECIFIC STANDARDS



pag. 1268

42 RV

SURFACE- AND FLUSH-MOUNTING WATERTIGHT
EMERGENCY ENCLOSURES



pag. 1292

44 CE

TECHNOPOLYMER SURFACE-MOUNTING
WATERTIGHT JUNCTION BOXES



pag. 1303

GW Connect

METAL SURFACE-MOUNTING WATERTIGHT
JUNCTION BOXES
















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42 TV





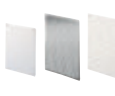





































MULTIFUNCTIONAL SUPPORTING BASES







pag. 1325

| | BOARD | | | | | COMPLEMENTARY ITEMS | | |
|--|--------------------------|-----------------|-------------|-------------|-------------------------|--|---|--|
| | | | | | | FRONT CONFIGURATION | | |
| | | | | | | SINGLE PANELS | PANELS | |
| | Dimensions (LxHxD) mm | Material | Code | | No. modules EN 50022 |  with window and DIN rail |  with window and DIN rail |  Blank |
| 44 CEP GWPLAST 120 IP55  | 200x254x135 | GWPLAST 120 | GW 44 808 | GW 44 818 | | | | |
| | 236x316x135 | GWPLAST 120 | GW 44 809 | GW 44 819 | 8 | GW 44 852 8 modules | | |
| | 316x396x160 | GWPLAST 120 | GW 44 810 | GW 44 820 | 24 (12x2) | GW 44 853 14 modules GW 44 854 24 modules (12x2) | | |
| | 396x474x160 | GWPLAST 120 | GW 44 811 | GW 44 821 | 32 (16x2) | GW 44 855 32 modules (16x2) | | |
| 46 QP POLYESTER BOARD IP66  | 250x300x160 | Polyester | GW 46 001 F | GW 46 201 F | | | | |
| | | Metal | GW 46 031 | | | | | |
| | 310x425x160 | Polyester | GW 46 002 F | GW 46 202 F | 36 (12x3) | | 3 single panels width 12 modules  | |
| | | Metal | GW 46 032 | GW 46 232 | | | GW 46 420 F | GW 46 425 F |
| | | Stainless steel | GW 46 052 | | | | | |
| | 405x500x200 | Polyester | GW 46 003 F | GW 46 203 F | 54 (18x3) | | 3 single panels width 18 modules  | |
| | | Metal | GW 46 033 | GW 46 233 | | | GW 46 421 F | GW 46 426 F |
| | 405x650x200 | Polyester | GW 46 004 F | GW 46 204 F | 72 (18x4) | | 4 single panels width 18 modules  | |
| | | Metal | GW 46 034 | GW 46 234 | | | GW 46 421 F | GW 46 426 F |
| | | Stainless steel | GW 46 054 | | | | | |
| | 515x650x250 | Polyester | GW 46 005 F | GW 46 205 F | 96 (24x4) | | 4 single panels width 24 modules  | |
| | | Metal | GW 46 035 | GW 46 235 | | | GW 46 422 F | GW 46 427 F |
| 46 QM METAL BOARD IP55  | 585x800x300 | Polyester | GW 46 006 F | GW 46 206 F | 140 (28x5) | | 5 single panels width 28 modules  | |
| | | Metal | GW 46 036 | GW 46 236 | | | GW 46 423 F | GW 46 428 F |
| | | Stainless steel | GW 46 056 | | | | | |
| | 800x1060x350 | Polyester | GW 46 007 F | GW 46 207 F | 180 (36x5) | | 5 single panels width 36 modules  | |
| | | Metal | GW 46 037 | GW 46 237 | | | GW 46 424 F | GW 46 429 F |
| 46 QX STAINLESS STEEL BOARD IP55  | | | | | | | | |

COMPLEMENTARY ITEMS

| FRONT CONFIGURATION | | | | INTERNAL CONFIGURATION | | | SERVICE ACCESSORIES | | |
|--|---|--|--|--|---|---|---|--|--|
| DOUBLE PANELS | INNER DOORS | UPRIGHTS | DIN RAILS | BACK-MOUNTING PLATES | PLATES | | POLE SUPPORT | MISCELLANEOUS | |
|  Blank |  Material: insulating/ metal |  Pair |  simple/ double |  Material: metal/ steel (perforated)/ insulating |  H 1 module: perforated/ full |  H 2 modules: perforated/ full |  | | |
| | | | | GW 44 636 GW 44 646 | | | |  Resin bracket GW 44 621 |  Safety lock with handle GW 46 445 |
| | | | | GW 44 637 GW 44 647 | | | |  4 stainless steel brackets GW 46 451 |  Set 4 galvanised brackets GW 46 446 |
| | | | | GW 44 638 GW 44 648 | | | | | |
| | | | | GW 44 639 GW 44 649 | | | | | |
| | | | | GW 46 401 GW 46 461 GW 46 408 | | | GW 46 551 |  Clip nut GW 46 450 |  4 stainless steel brackets GW 46 451 |
|  GW 46 475 F | GW 46 414 GW 46 564 | GW 46 435 F | GW 46 430 F GW 46 530 F | GW 46 402 GW 46 462 GW 46 409 |  GW 46 440 GW 46 540 |  GW 46 480 GW 46 580 | GW 46 552 |  Set 4 galvanised brackets GW 46 446 |  Gasket for board coupling GW 46 449 |
|  GW 46 476 F | GW 46 415 GW 46 565 | GW 46 436 F | GW 46 431 F GW 46 531 F | GW 46 403 GW 46 463 GW 46 410 |  GW 46 441 GW 46 541 |  GW 46 481 GW 46 581 | GW 46 553 |  Set of 4 reversible squares for back-mounting plate fixing or uprights for modular equipment fixing For back plate fixing GW 46 521 F |  Safety lock with handle GW 46 445 |
|  GW 46 476 F | GW 46 416 GW 46 566 | GW 46 437 F | GW 46 431 F GW 46 531 F | GW 46 404 GW 46 464 GW 46 411 |  GW 46 441 GW 46 541 |  GW 46 481 GW 46 581 | GW 46 553 |  Document holder wallet GW 46 447 |  Ventilation kit IP 44 GW 46 448 and GW 46 471 |
|  GW 46 477 F | GW 46 417 GW 46 567 | GW 46 437 F | GW 46 432 F GW 46 532 F | GW 46 405 GW 46 465 GW 46 412 |  GW 46 442 GW 46 542 |  GW 46 482 GW 46 582 | GW 46 554 |  KIT for wiring trunking GW 46 557 F |  Double insulation KIT GW 46 526 |
|  GW 46 478 F | GW 46 418 GW 46 568 | GW 46 438 F | GW 46 433 F GW 46 533 F | GW 46 406 GW 46 466 GW 46 413 |  GW 46 443 GW 46 543 |  GW 46 483 GW 46 583 | GW 46 555 | | |
|  GW 46 479 F | GW 46 419 GW 46 569 | GW 46 439 F | GW 46 434 F GW 46 534 F | GW 46 407 GW 46 467 |  GW 46 444 GW 46 544 |  GW 46 484 GW 46 584 | |  Pair of handles for transport GW 46 591 |  Kit inserts GW 46 592 F |

| | COMPATIBILITY BETWEEN 46 RANGE BOARDS AND KIT FOR MCCBS MTX RANGE AND KIT SWITCH DISCONNECTORS MSS RANGE | | | | |
|--|--|-----------------|------------------|-------------|-------------------------|
| | BOARD | | | | |
| | Dimensions (LxHxD) mm | Material | Code | | No. modules EN 50022 |
| Blank door | | | Transparent door | | |
| <div>44 CEP GWPLAST 120 IP55</div>  | 200x254x135 | GWPLAST 120 | GW 44 808 | GW 44 818 | - |
| | 236x316x135 | GWPLAST 120 | GW 44 809 | GW 44 819 | 8 |
| | 316x396x160 | GWPLAST 120 | GW 44 810 | GW 44 820 | 24 (12x2) |
| | 396x474x160 | GWPLAST 120 | GW 44 811 | GW 44 821 | 32 (16x2) |
| <div>46 QP POLYESTER BOARD IP66</div>  <div>46 QM METAL BOARD IP55</div>  <div>46 QX STAINLESS STEEL BOARD IP55</div>  | 250x300x160 | Polyester | GW 46 001 F | GW 46 201 F | - |
| | | Metal | GW 46 031 | - | |
| | 310x425x160 | Polyester | GW 46 002 F | GW 46 202 F | 36 (12x3) |
| | | Metal | GW 46 032 | GW 46 232 | |
| | | Stainless steel | GW 46 052 | - | |
| | 405x500x200 | Polyester | GW 46 003 F | GW 46 203 F | 54 (18x3) |
| | | Metal | GW 46 033 | GW 46 233 | |
| | 405x650x200 | Polyester | GW 46 004 F | GW 46 204 F | 72 (18x4) |
| | | Metal | GW 46 034 | GW 46 234 | |
| | | Stainless steel | GW 46 054 | - | |
| | 515x650x250 | Polyester | GW 46 005 F | GW 46 205 F | 96 (24x4) |
| | | Metal | GW 46 035 | GW 46 235 | |
| | 585x800x300 | Polyester | GW 46 006 F | GW 46 206 F | 140 (28x5) |
| | | Metal | GW 46 036 | GW 46 236 | |
| | | Stainless steel | GW 46 056 | - | |
| | 800x1060x350 | Polyester | GW 46 007 F | GW 46 207 F | 180 (36x5) |
| | | Metal | GW 46 037 | GW 46 237 | |

NOTES: The configurations reported in the table are ONLY valid if the peak current of the indicated switch (in correspondence of the assumed short-circuit current in the installation point) is NOT higher than 17kA, or if the assumed short-circuit current in the delivery point, in line with the main board switch, is NOT greater than 10kA.

Check the thermal power according the method indicated in the pages of the Technical Catalogue.

The kits are fixed by means of uprights. The kit panels are 2-module high.

The MTX 160c and MTX 160 (both 3P and 4P) should be fastened to the DIN rail by means of suitable brackets included in the GW D8 261 kit. The MTX 250 (both 3P and 4P) on the other hand require the GW D8 262 kit.

The coupling of the MTX moulded-case devices on the DIN rail, using the relative residual current device, requires the use of the special brackets that can be found in the relative section of the DIN catalogue.

In the case of cable entry from below, you are advised to insert a blank panel above the moulded-case/switch disconnecter kit, so the wires can be pulled more easily.

The MSS switch disconnectors cannot be installed on the same DIN rail with the MTX moulded-case devices because of their different depths.

COMPATIBILITY BETWEEN 46 RANGE BOARDS AND KIT FOR MCCBS MTX RANGE AND KIT SWITCH DISCONNECTORS MSS RANGE

| MCCBs | | SWITCH DISCONNECTOR | |
|---|--|---|---|
| MTX 160c - MTX 160 - MTX 250 | MTX 160c - MTX 160 - MTX 250 COMBINED WITH THEIR RESPECTIVE RESIDUAL CURRENT DEVICES IN "L" SHAPE | MSS 160 | MSS 250 |
|  |  |  |  |
| - | - | - | - |
| - | - | - | - |
| GW 44 853 (for MTX 160c and MTX 160 only) | GW 44 853 (for MTX 160c and MTX 160 only) | - | - |
| GW 44 855 (for MTX 160c and MTX 160 only) | GW 44 855 (for MTX 160c and MTX 160 only) | - | - |
| - | - | - | - |
| - | - | - | - |
| GW 46 570 F | GW 46 570 F | GW 46 570 F | - |
| GW 46 570 F | GW 46 570 F | GW 46 570 F | - |
| GW 46 571 F | GW 46 571 F | GW 46 571 F | GW 46 577 F |
| GW 46 572 F | GW 46 572 F | GW 46 572 F | GW 46 578 F |
| GW 46 573 F | GW 46 573 F | GW 46 573 F | GW 46 579 F |

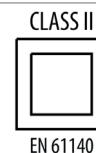
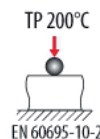
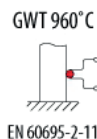
Watertight surface-mounting distribution and automation boards

The offer includes: 46QP boards - monobloc, halogen-free fiber glass loaded polyester, IP66 degree of protection and new design of the transparent door versions; 46 QM board - Metal; 46 QX board - Stainless steel; completing the offer, the 44 CEP range - Monobloc, halogen-free technopolymer. 46QP boards; QM and 44CEP are available in the transparent and solid door versions. 46QP range; QM and QX stand out for their unity and wealth of accessories.



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46 QP - POLYESTER WATERTIGHT BOARDS - IP66



DISTRIBUTION BOARDS



GW 46 004 F

POLYESTER WATERTIGHT BOARDS WITH BLANK DOOR FITTED WITH LOCK - GREY RAL 7035



| Code | Nominal dim. LxHxD (mm) | No. of modules EN 50022 | No. locks | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|-------------|----------------------------|----------------------------|--------------|----------------------------|----------------------------|----------------|
| GW 46 001 F | 250x300x160 | | 1 | 34 | - | 1 |
| GW 46 002 F | 310x425x160 | 36 (12x3) | 2 | 48 | 39 | 1 |
| GW 46 003 F | 405x500x200 | 54 (18x3) | 2 | 95 | 53 | 1 |
| GW 46 004 F | 405x650x200 | 72 (18x4) | 2 | 118 | 81 | 1 |
| GW 46 005 F | 515x650x250 | 96 (24x4) | 2 | 126 | 106 | 1 |
| GW 46 006 F | 585x800x300 | 140 (28x5) | 2 | 205 | 146 | 1 |
| GW 46 007 F | 800x1060x350 | 180 (36x5) | 2 | 324 | 226 | 1 |

CHARACTERISTICS: boxes equipped with inserts pre-assembled in the slots, to speed up the configuration of the board. Doors equipped with functional grid of reference for fixing the devices. From board GW46002F to board GW46006F it is possible to fix the panels with windows or blank (1 or 2 modules) directly in the seats housed in the vertical walls of the boards; for the board GW46007F use uprights GW46439F. Impact resistance: IK10 according to EN 62262.

ACCESSORIES SUPPLIED: 4 reversible brackets with relative screws for fixing back-mounting plates or uprights for modular devices.

NOTES: Dispersible power calculated according to CEI 23-49.

Dispersible power A (W): board configuration with back-mounting plate (as far back as possible).

Dispersible power B (W): board configuration with DIN rails + panels with windows.

The nominal dimensions in the table above refer to the external size of the boards; for the real outer dimensions refer to the technical data sheet downloadable from professionals website GEWISS or to the technical section of this catalogue.

For applications in the photovoltaic environment, use the surface-mounting brackets - code GW44621.



GW 46 203 F

POLYESTER WATERTIGHT BOARDS WITH TRANSPARENT DOOR AND LOCK - GREY RAL 7035



| Code | Nominal dim. LxHxD (mm) | No. of modules EN 50022 | No. locks | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|-------------|----------------------------|----------------------------|--------------|----------------------------|----------------------------|----------------|
| GW 46 201 F | 250x300x160 | | 1 | 34 | - | 1 |
| GW 46 202 F | 310x425x160 | 36 (12x3) | 2 | 48 | 39 | 1 |
| GW 46 203 F | 405x500x200 | 54 (18x3) | 2 | 95 | 53 | 1 |
| GW 46 204 F | 405x650x200 | 72 (18x4) | 2 | 118 | 81 | 1 |
| GW 46 205 F | 515x650x250 | 96 (24x4) | 2 | 126 | 106 | 1 |
| GW 46 206 F | 585x800x300 | 140 (28x5) | 2 | 205 | 146 | 1 |
| GW 46 207 F | 800x1060x350 | 180 (36x5) | 2 | 324 | 226 | 1 |

ACCESSORIES SUPPLIED: boxes equipped with inserts pre-assembled in the slots, to speed up the configuration of the board. For the transparent door version: GWT 650°C. From board GW46202F to board GW46206F it is possible to fix the panels with windows or blank (1 or 2 modules) directly in the seats housed in the vertical walls of the boards; for the board GW46207F use uprights GW46439F. Impact resistance of the bottom: IK10 according to EN 62262.

ACCESSORIES SUPPLIED: 4 reversible brackets with relative screws for fixing back-mounting plates or uprights for modular devices.

NOTES: Dispersible power calculated according to CEI 23-49.

Dispersible power A (W): board configuration with back-mounting plate (as far back as possible).

Dispersible power B (W): board configuration with DIN rails + panels with windows.

The nominal dimensions in the table above refer to the external size of the boards; for the real outer dimensions refer to the technical data sheet downloadable from professionals website GEWISS or to the technical section of this catalogue.

For applications in the photovoltaic environment, use the surface-mounting brackets - code GW44621.

SPARE PARTS



GW 46 504 F

BLANK DOOR WITH LOCK



| Code | For boards LxH (mm) | No. locks | Pack Carton |
|-------------|------------------------|--------------|----------------|
| GW 46 501 F | 250x300 | 1 | 1/6 |
| GW 46 502 F | 310x425 | 2 | 1/6 |
| GW 46 503 F | 405x500 | 2 | 1/8 |
| GW 46 504 F | 405x650 | 2 | 1/8 |
| GW 46 505 F | 515x650 | 2 | 1 |
| GW 46 506 F | 585x800 | 2 | 1 |
| GW 46 507 F | 800x1060 | 2 | 1 |

NOTE: spare blank doors as compatible with the respective back plates of the previous boards of the 46QP range.



GW 46 513 F

TRANSPARENT DOOR AND LOCK



| Code | For boards LxH (mm) | No. locks | Pack Carton |
|-------------|------------------------|--------------|----------------|
| GW 46 511 F | 250x300 | 1 | 1/6 |
| GW 46 512 F | 310x425 | 2 | 1/6 |
| GW 46 513 F | 405x500 | 2 | 1/8 |
| GW 46 514 F | 405x650 | 2 | 1/8 |
| GW 46 515 F | 515x650 | 2 | 1 |
| GW 46 516 F | 585x800 | 2 | 1 |
| GW 46 517 F | 800x1060 | 2 | 1 |

NOTE: spare transparent doors as compatible with the respective back plates of the previous boards of the 46QP range.

46 QM - WATERTIGHT METAL BOARDS - IP55





DISTRIBUTION BOARDS



GW 46 034

WATERTIGHT BOARDS IN METAL WITH BLANK DOOR FITTED WITH LOCK
GREY RAL 7035



| <div><div></div></div> | | | | | | |
|--|----------------------------|----------------------------|--------------|----------------------------|----------------------------|----------------|
| Code | Nominal dim. LxHxD (mm) | No. of modules EN 50022 | No. locks | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
| GW 46 031 | 250x300x160 | | 1 | 49 | - | 1 |
| GW 46 032 | 310x425x160 | 36 (12x3) | 2 | 70 | 58 | 1 |
| GW 46 033 | 405x500x200 | 54 (18x3) | 2 | 106 | 80 | 1 |
| GW 46 034 | 405x650x200 | 72 (18x4) | 2 | 135 | 97 | 1 |
| GW 46 035 | 515x650x250 | 96 (24x4) | 2 | 180 | 115 | 1 |
| GW 46 036 | 585x800x300 | 140 (28x5) | 2 | 240 | 159 | 1 |
| GW 46 037 | 800x1060x350 | 180 (36x5) | 2 | 400 | 284 | 1 |

ACCESSORIES SUPPLIED: screwcaps, threaded pins or reversible squares with the relative bolts and screws for fixing the back-mounting plates or uprights for modular devices.
GW46034, GW46035, GW46036, GW46037 with perforated bottom equipped with flange for cables to pass through.
NOTES: Dispersible power calculated according to CEI 23-49.
For the front configuration (via panels and DIN rails), it is necessary to use the uprights.
Dispersible power A (W): board configuration with back-mounting plate (as far back as possible).
Dispersible power B (W): board configuration with DIN rails + panels with windows.
The technical and functional characteristics, and the nominal values, refer to vertical installation only.
APPLICATIONS: for indoor use (e.g. in industrial systems, on machines, etc.).
The nominal dimensions LxHxD in the table above refer to the external size of the boards.
For the real outer dimensions LxHxD refer to the technical data sheet downloadable from professionals website GEWISS or to the technical section of this catalogue.



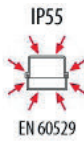
GW 46 232

WATERTIGHT BOARDS IN METAL WITH BLANK DOOR FITTED WITH TEMPERED GLASS WINDOW AND LOCK
GREY RAL 7035

| <div><div></div></div> | | | | | | |
|--|----------------------------|----------------------------|--------------|----------------------------|----------------------------|----------------|
| Code | Nominal dim. LxHxD (mm) | No. of modules EN 50022 | No. locks | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
| GW 46 232 | 310x425x160 | 36 (12x3) | 2 | 70 | 58 | 1 |
| GW 46 233 | 405x500x200 | 54 (18x3) | 2 | 106 | 80 | 1 |
| GW 46 234 | 405x650x200 | 72 (18x4) | 2 | 135 | 97 | 1 |
| GW 46 235 | 515x650x250 | 96 (24x4) | 2 | 180 | 115 | 1 |
| GW 46 236 | 585x800x300 | 140 (28x5) | 2 | 240 | 159 | 1 |
| GW 46 237 | 800x1060x350 | 180 (36x5) | 2 | 400 | 284 | 1 |

ACCESSORIES SUPPLIED: screwcaps, threaded pins or reversible squares with the relative bolts and screws for fixing the back-mounting plates or uprights for modular devices.
GW46234, GW46235, GW46236, GW46237 with perforated bottom equipped with flange for cables to pass through.
NOTES: Dispersible power calculated according to CEI 23-49.
For the front configuration (via panels and DIN rails), it is necessary to use the uprights.
Dispersible power A (W): board configuration with back-mounting plate (as far back as possible).
Dispersible power B (W): board configuration with DIN rails + panels with windows.
The technical and functional characteristics, and the nominal values, refer to vertical installation only.
APPLICATIONS: for indoor use (e.g. in industrial systems, on machines, etc.).
The nominal dimensions LxHxD in the table above refer to the external size of the boards.
For the real outer dimensions LxHxD refer to the technical data sheet downloadable from professionals website GEWISS or to the technical section of this catalogue.

46 QX - WATERTIGHT BOARDS IN STAINLESS STEEL - IP55



DISTRIBUTION BOARDS



GW 46 054

WATERTIGHT BOARDS IN SATIN STAINLESS STEEL WITH BLANK DOOR FITTED WITH LOCK



| Code | Nominal dim. LxHxD (mm) | No. of modules EN 50022 | No. locks | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|-----------|----------------------------|----------------------------|--------------|----------------------------|----------------------------|----------------|
| GW 46 052 | 310x425x160 | 36 (12x3) | 2 | 70 | 58 | 1 |
| GW 46 054 | 405x650x200 | 72 (18x4) | 2 | 135 | 97 | 1 |
| GW 46 056 | 585x800x300 | 140 (28x5) | 2 | 240 | 159 | 1 |

ACCESSORIES SUPPLIED: screwcaps, threaded pins or reversible squares with the relative bolts and screws for fixing the back-mounting plates or uprights for modular equipment.
GW46054, GW46056 with perforated bottom equipped with flange for cables to pass through.

NOTES: Dispersible power calculated according to CEI 23-49.
For the front configuration (via panels and DIN rails), it is necessary to use the uprights.
Dispersible power A (W): board configuration with back-mounting plate (as far back as possible).
Dispersible power B (W): board configuration with DIN rails + panels with windows.
The technical and functional characteristics, and the nominal values, refer to vertical installation only.
The nominal dimensions LxHxD in the table above refer to the external size of the boards.

For the real outer dimensions LxHxD refer to the technical data sheet downloadable from professionals website GEWISS or to the technical section of this catalogue.
APPLICATIONS: for indoor use, in areas that are frequently cleaned with water jets for reasons of hygiene (e.g. industrial kitchens, butchers' shops, etc.).

COMPLEMENTARY ITEMS FOR 46 QP, QM AND QX BOARDS

FRONT CONFIGURATION



GW 46 414

HINGED ENCLOSURE DOORS IN POLYESTER FOR ASSEMBLY OF COMMAND, SIGNALLING AND MEASURING DEVICES - GREY RAL 7035



| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 46 414 | 310x425 | 1/5 |
| GW 46 415 | 405x500 | 1/4 |
| GW 46 416 | 405x650 | 1/5 |
| GW 46 417 | 515x650 | 1/2 |
| GW 46 418 | 585x800 | 1/2 |
| GW 46 419 | 800x1060 | 1 |

NOTES: for further information about the distances between board door, inner door and back-mounting plate, refer to the dimensional data in the technical catalogue.

CHARACTERISTICS: these are reversible (for the technical details refer to the dedicated section in the technical catalogue).



GW 46 566

HINGED ENCLOSURE DOORS IN METAL FOR ASSEMBLY OF COMMAND, SIGNALLING AND MEASURING DEVICES - GREY RAL 7035

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 46 564 | 310x425 | 1/5 |
| GW 46 565 | 405x500 | 1/4 |
| GW 46 566 | 405x650 | 1/5 |
| GW 46 567 | 515x650 | 1/2 |
| GW 46 568 | 585x800 | 1/2 |
| GW 46 569 | 800x1060 | 1 |

NOTES: for further information about the distances between board door, inner door and back-mounting plate, refer to the dimensional data in the technical catalogue. The use of the metal inner door in the boards of the 46QP range requires the earth pin to be connected to the relative PE protection conductor only if non-class 2 devices are assembled on it.

CHARACTERISTICS: these are reversible (for the technical details refer to the dedicated section in the technical catalogue).



GW 46 421 F

COVERING PANELS WITH WINDOW, HEIGHT 1 MODULE, FAST & EASY QUICK ASSEMBLY GREY RAL 7035



| Code | No. of modules EN 50022 | For standard boards (mm) | Pack Carton |
|-------------------------|----------------------------|-----------------------------|----------------|
| Height: 1 Module | | | |
| GW 46 420 F | 12 | 310 | 1/10 |
| GW 46 421 F | 18 | 405 | 1/10 |
| GW 46 422 F | 24 | 515 | 1/10 |
| GW 46 423 F | 28 | 585 | 1/5 |
| GW 46 424 F | 36 | 800 | 1/5 |

CHARACTERISTICS: captive panel 1/4 turn sealing screws.

GW46420F, GW46421F, GW46422F, GW464223F, possibility to fix directly on the inner walls of the polyester boards.

ACCESSORIES SUPPLIED: fixing accessories. Complete with DIN rail.

NOTES: in all boards, the panel GW46424F can be fixed only with uprights GW46439F.



GW 46 425 F

FAST & EASY QUICK ASSEMBLY BLANK COVERING PANELS - GREY RAL 7035



| Code | For standard boards (mm) | Pack Carton |
|--------------------------|--------------------------|-------------|
| Height: 1 Module | | |
| GW 46 425 F | 310 | 1/10 |
| GW 46 426 F | 405 | 1/10 |
| GW 46 427 F | 515 | 1/13 |
| GW 46 428 F | 585 | 1/5 |
| GW 46 429 F | 800 | 1/5 |
| Height: 2 Modules | | |
| GW 46 475 F | 310 | 1/5 |
| GW 46 476 F | 405 | 1/5 |
| GW 46 477 F | 515 | 1/5 |
| GW 46 478 F | 585 | 1/5 |
| GW 46 479 F | 800 | 1 |

CHARACTERISTICS:

GW46425F, GW46426F, GW46427F, GW46428F, GW46475F, GW46476F, GW46477F, GW46478F possibility to fix directly on the inner walls of the polyester boards. captive panel 1/4 turn sealing screws.

in all boards, the panel GW46429F and GW46479F can be fixed only with uprights GW46439F.

ACCESSORIES SUPPLIED: fixing accessories.



GW 46 437 F

PAIR OF UPRIGHTS FOR INSTALLATION OF FAST & EASY QUICK ASSEMBLY TECHNICAL COMPONENTS, FOR MODULAR DEVICES, MOULDED-CASE DEVICES, SWITCH- DISCONNECTORS AND BLANK/PERFORATED PLATES H = 1 AND 2 MODULES

| Code | For boards LxH (mm) | Pack Carton |
|-------------|---------------------|-------------|
| GW 46 435 F | 310x425 | 1/10 |
| GW 46 436 F | 405x500 | 1/10 |
| GW 46 437 F | 405x650/515x650 | 1/10 |
| GW 46 438 F | 585x800 | 1/10 |
| GW 46 439 F | 800x1060 | 1/10 |

ACCESSORIES SUPPLIED: the uprights are provided with a kit with 4 inserts to be inserted in the seats located on the lower and upper horizontal surfaces. The position of the seats where the inserts have to be housed is shown on the instruction sheet inside the 46QP boards. The insert is fixed in the seat through the expansion of the plate located inside the insert, using a pin with diameter 4 mm. The uprights are installed using the 4 brackets provided with the 46QP boards.

APPLICATIONS: the uprights make it possible to implement extractable frames by using: panels without and with windows, perforated or non-perforated plate with height of 1 or 2 modules, MCCB or switch disconnecter kits.



GW 46 431 F

FAST & EASY QUICK ASSEMBLY DIN RAILS

| Code | No. of modules EN 50022 | For standard boards (mm) | Pack Carton |
|-------------|-------------------------|--------------------------|-------------|
| GW 46 430 F | 12 | 310 | 1/10 |
| GW 46 431 F | 18 | 405 | 1/10 |
| GW 46 432 F | 24 | 515 | 1/10 |
| GW 46 433 F | 28 | 585 | 1/10 |
| GW 46 434 F | 36 | 800 | 1/10 |

ACCESSORIES SUPPLIED: accessories for fixing to panel brackets.

NOTES: To use the DIN rails without the relative blank panel, use the GW46524F kit.

To restore the minimum degree of protection of the open door board, use the relative inner door.



GW 46 531 F

FAST & EASY QUICK ASSEMBLY DOUBLE DIN RAILS

| Code | No. of modules EN 50022 | For standard boards (mm) | Pack Carton |
|-------------|-------------------------|--------------------------|-------------|
| GW 46 530 F | 12 | 310 | 1/10 |
| GW 46 531 F | 18 | 405 | 1/10 |
| GW 46 532 F | 24 | 515 | 1/10 |
| GW 46 533 F | 28 | 585 | 1/10 |
| GW 46 534 F | 36 | 800 | 1/10 |

APPLICATIONS: suitable for use with the GWFIX 100 system.

ACCESSORIES SUPPLIED: accessories for fixing to panel brackets.

NOTES: the use of the double DIN rails GW46531F, GW46532F, GW46533F, GW46534F prevents the positioning of the vertical trunking.

To use the DIN rails without the relative blank panel, use the GW46524F kit.

To restore the minimum degree of protection of the open door board, use the relative inner door.



GW 46 570 F

KIT OF MOULDED-CASE DEVICES AND SWITCH-DISCONNECTORS - FIXING BY MEANS OF UPRIGHTS
2-MODULE PANEL HEIGHT - GREY RAL 7035

| Code | MCCB Type | RCD Position | Disconnecter Type | For standard boards (mm) | Pack Carton |
|---|------------------------------|--------------|-------------------|--------------------------|-------------|
| Equipment fixing: Plate, DIN rail EN 50022 | | | | | |
| GW 46 570 F | MTX 160c - MTX 160 - MTX 250 | "L"-shaped | MSS 160 | 405 | 1 |
| GW 46 571 F | MTX 160c - MTX 160 - MTX 250 | "L"-shaped | MSS 160 | 515 | 1 |
| GW 46 572 F | MTX 160c - MTX 160 - MTX 250 | "L"-shaped | MSS 160 | 585 | 1 |
| GW 46 573 F | MTX 160c - MTX 160 - MTX 250 | "L"-shaped | MSS 160 | 800 | 1 |
| Equipment fixing: on plate | | | | | |
| GW 46 577 F | | | MSS 250 | 515 | 1 |
| GW 46 578 F | | | MSS 250 | 585 | 1 |
| GW 46 579 F | | | MSS 250 | 800 | 1 |

CHARACTERISTICS: panels with windows H=45mm; captive and sealing 1/4 turn screws; Fixed with uprights.
Pre-arrangement for vertically positioned devices. Halogen-free plastic material in accordance with EN 60754-2 (CEI EN 50267-2-2).

ACCESSORIES SUPPLIED: fixing accessories.

NOTES: the MTX 160c and MTX 160 (both 3P and 4P) must be fixed to the DIN rail using the special brackets contained in the GWD8261 kit.
The MTX 250 (both 3P and 4P) require the GWD8262 kit.

The coupling of the MTX moulded-case devices - and relative residual current device - on the DIN rail requires the use of special brackets that can be found in the appropriate section of the DIN catalogue.

You are advised to always insert a blank panel above the moulded-case/switch-disconnector kit, to facilitate the cord positioning in the case of cord entry from the bottom.

The MSS switch-disconnectors cannot be installed together with MTX moulded-case devices on a single DIN rail from the kit, as they are of differing depths.

The peak current of the one-way switch indicated (in line with the presumed short-circuit current in the installation point) must NOT be greater than 17kA.

The presumed short-circuit current in the power supply line of the main switch of the board must NOT be greater than 10kA.

INTERNAL CONFIGURATION



GW 46 401

STEEL BACK-MOUNTING PLATES WITH ANTI-CORROSION TREATMENT FOR THE ASSEMBLY OF NON-MODULAR EQUIPMENT

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 46 401 | 250x300 | 1/5 |
| GW 46 402 | 310x425 | 1/5 |
| GW 46 403 | 405x500 | 1/5 |
| GW 46 404 | 405x650 | 1/5 |
| GW 46 405 | 515x650 | 1/4 |
| GW 46 406 | 585x800 | 1/3 |
| GW 46 407 | 800x1060 | 1 |

NOTES: for further information relating to the maximum applicable loads, see the table on the corresponding pages of the technical catalogue.



GW 46 464

PERFORATED BACK-MOUNTING PLATES IN GALVANISED STEEL FOR THE ASSEMBLY OF NON-MODULAR EQUIPMENT

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 46 461 | 250x300 | 1/5 |
| GW 46 462 | 310x425 | 1/5 |
| GW 46 463 | 405x500 | 1/5 |
| GW 46 464 | 405x650 | 1/5 |
| GW 46 465 | 515x650 | 1/4 |
| GW 46 466 | 585x800 | 1/3 |
| GW 46 467 | 800x1060 | 1/2 |

NOTES: to install devices, use nut and clips GW46450.

for further information relating to the maximum applicable loads, see the table on the corresponding pages of the technical catalogue.

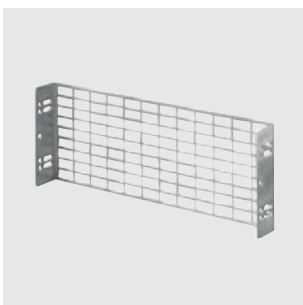


GW 46 408

BACK-MOUNTING PLATES IN INSULATING MATERIAL FOR THE ASSEMBLY OF NON-MODULAR EQUIPMENT

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 46 408 | 250x300 | 1/5 |
| GW 46 409 | 310x425 | 1/5 |
| GW 46 410 | 405x500 | 1/5 |
| GW 46 411 | 405x650 | 1/4 |
| GW 46 412 | 515x650 | 1/3 |
| GW 46 413 | 585x800 | 1/2 |

NOTES: for further information relating to the maximum applicable loads, see the table on the corresponding pages of the technical catalogue.



GW 46 440

PERFORATED PLATES IN GALVANISED STEEL - FIXING BY MEANS OF UPRIGHTS

| Code | For boards LxH (mm) | No. of modules EN 50022 | Pack Carton |
|--------------------------|------------------------|----------------------------|----------------|
| Height: 1 Module | | | |
| GW 46 440 | 310x425 | 12 | 1/5 |
| GW 46 441 | 405x500/405x650 | 18 | 1/5 |
| GW 46 442 | 515x650 | 24 | 1/5 |
| GW 46 443 | 585x800 | 28 | 1/5 |
| GW 46 444 | 800x1060 | 36 | 1/4 |
| Height: 2 Modules | | | |
| GW 46 480 | 310x425 | 12 | 1/5 |
| GW 46 481 | 405x500/405x650 | 18 | 1/5 |
| GW 46 482 | 515x650 | 24 | 1/5 |
| GW 46 483 | 585x800 | 28 | 1/5 |
| GW 46 484 | 800x1060 | 36 | 1/2 |

NOTES: Use nut and clips GW46450 to install components



GW 46 540

BLANK PLATES IN STEEL - FIXING BY MEANS OF UPRIGHTS

| Code | For boards LxH (mm) | No. of modules EN 50022 | Pack Carton |
|--------------------------|------------------------|----------------------------|----------------|
| Height: 1 Module | | | |
| GW 46 540 | 310x425 | 12 | 1/5 |
| GW 46 541 | 405x500/405x650 | 18 | 1/5 |
| GW 46 542 | 515x650 | 24 | 1/5 |
| GW 46 543 | 585x800 | 28 | 1/5 |
| GW 46 544 | 800x1060 | 36 | 1/4 |
| Height: 2 Modules | | | |
| GW 46 580 | 310x425 | 12 | 1/5 |
| GW 46 581 | 405x500/405x650 | 18 | 1/5 |
| GW 46 582 | 515x650 | 24 | 1/5 |
| GW 46 583 | 585x800 | 28 | 1/5 |
| GW 46 584 | 800x1060 | 36 | 1/2 |

NOTES: to install non-standard devices and/or moulded-case devices.



GW 46 450

NUT AND CLIPS IN GALVANISED STEEL FOR THE FIXING OF DEVICES ON TO PERFORATED BACK-MOUNTING PLATES

| Code | Description | Pack Carton |
|-----------|-----------------------|----------------|
| GW 46 450 | Clip nut for screw M5 | 10/100 |

SERVICE COMPLEMENTARY ITEMS

GW 46 526

DOUBLE INSULATION AND DRAINAGE KIT

| Code | Description | Pack Carton |
|-----------|---|----------------|
| GW 46 526 | 4 caps for resetting double insulation and 1 cap for closing the drain hole | 1/20 |

CHARACTERISTICS: isolating technopolymer.

APPLICATIONS: correctly installed, makes it possible to restore original IP degree and double insulation of 46QP range boards in case of direct fixing of the board to the wall by drilling the back plate and without using the set of 4 steel brackets.



GW 46 451

SET OF 4 STEEL BRACKETS FOR FIXING SURFACE-MOUNTING BOARDS

| Code | Material | Accessories supplied | Pack Carton |
|-----------|------------------|----------------------------|----------------|
| GW 46 446 | Galvanised steel | Self-tapping fixing screws | 20 |
| GW 46 451 | Stainless steel | Self-tapping fixing screws | 20 |

CHARACTERISTICS: To restore the double insulation and original IP degree of the boards in case of indirect fixing to the wall. Suitable also for 46QP photovoltaic application.



GW 46 551

POLE SUPPORT KIT FOR BOARDS 46 QP

| Code | For boards LxH (mm) | Max sustainable load (kg) | Pack Carton |
|-----------|------------------------|------------------------------|----------------|
| GW 46 551 | 250x300 | 125 | 1 |
| GW 46 552 | 310x425 | 125 | 1 |
| GW 46 553 | 405x500/405x650 | 125 | 1 |
| GW 46 554 | 515x650 | 125 | 1 |
| GW 46 555 | 585x800 | 125 | 1 |

CHARACTERISTICS: fixed on the back of the boards.

APPLICATIONS: for applications of the 46QP boards on poles from 60 to 80mm and, by means of a banding (not included with the accessories supplied), from 80 to 200mm. To restore the double insulation and original IP degree of the boards in case of indirect fixing to the wall. Suitable also for 46QP photovoltaic application.

ACCESSORIES SUPPLIED: 2 pieces. For the correct use of the kit, see the instructions sheet.



GW 46 557 F

KIT FOR WIRING TRUNKING ASSEMBLY

| Code | Trunking use | Pack Carton |
|-------------|----------------------------|----------------|
| GW 46 557 F | Horizontal and/or vertical | 1/10 |

CHARACTERISTICS: fixing on the board uprights. In the boards of size 3, 4, 5 and 6, vertical trunking support up to (LxH) 60x60 mm and horizontal trunking up to (LxH) 60x40 mm, while for boards of size 7, vertical and horizontal trunking support up to (LxH) 40x60 mm.

APPLICATIONS: for boards of at least 405x500 mm.

NOTES: the kit for wiring trunking assembly is used to create flat horizontal and vertical routes.

ACCESSORIES SUPPLIED: 2 trunking fixing brackets, 2 DIN rail assembly brackets and 6 - 4x6 mm screws. For the use of the kit, see the instructions sheet.



GW 46 524 F

FAST & EASY QUICK ASSEMBLY BRACKETS KIT WITH SUPPORT SLIDE, ADJUSTABLE FOR DIN RAILS

| Code | Used for DIN rails | Pack Carton |
|-------------|-----------------------|----------------|
| GW 46 524 F | Simple and double | 1/4 |

NOTES: use the GW46524F kit to assembly the 18; 24; 28; 36 F&E DIN rails without the specific blank panel.

To restore the minimum degree of protection of the open door board, use the relative inner door.



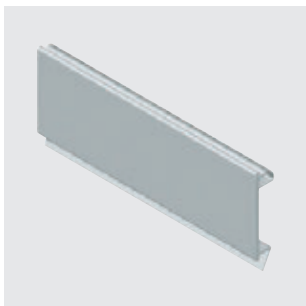
GW 46 591

HANDLES FOR TRANSPORTATION

| Code | Description | Pack Carton |
|-----------|-----------------|----------------|
| GW 46 591 | Pair of handles | 1/10 |

APPLICATIONS: allows the 46QP boards to be transported.

NOTES: the handle kit can be used simultaneously with the pole support kit or the set of brackets, for wall mounting.



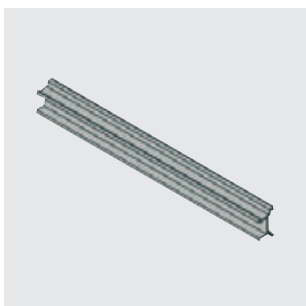
GW 47 291

BLANKING MODULE PROFILE IN PLASTIC MATERIAL - GREY RAL 7035



| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-----------|----------------------------|---------------|----------------|
| GW 40 423 | 4.5 | Grey RAL 7035 | 50 |
| GW 47 291 | 24 | Grey RAL 7035 | 10 |

CHARACTERISTICS: clip fixing on DIN perforated front panels.



GW 49 209

DEPTH ADAPTOR

| Code | Length (mm) | Pack Carton |
|-----------|----------------|----------------|
| GW 49 209 | 600 | 1 |

APPLICATIONS: compensation of the different installation depths on DIN rail EN 50022 of the modular devices (90 Range) and moulded case devices (MTX/M 160c - MTX/E 160 - MTX/M 250 range).



GW 46 449

SEAL FOR COUPLING BOARDS EQUIPPED WITH DRILLING TEMPLATE - IP55

| Code | Dimensions (mm) | Pack Carton |
|-----------|--------------------|----------------|
| GW 46 449 | 300x171 | 1/10 |

APPLICATIONS: can be used on enclosures starting with the 515x650x250 mm dimension.



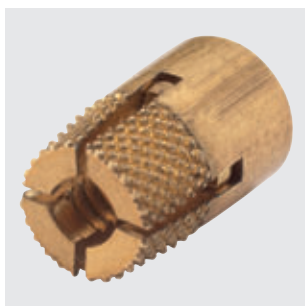
GW 46 521 F

SET OF 4 REVERSIBLE SQUARES FOR FIXING BACK-MOUNTING PLATES OR UPRIGHTS FOR MODULAR EQUIPMENT

| Code | Description | Pack Carton |
|-------------|--------------------|----------------|
| GW 46 521 F | Reversible squares | 1/20 |

APPLICATIONS: allows the combined installation of the back-mounting plate and the frame.

ACCESSORIES SUPPLIED: fixing screws; 4 inserts.



GW 46 592 F

INSERTS KIT

| Code | Description | Pack Carton |
|-------------|----------------|-------------|
| GW 46 592 F | M6 inserts kit | 1/100 |

APPLICATIONS: allows you to extend the possibility of adding functional accessories to all the slots of the 46QP boards.

NOTES: the inserts are inserted in the free slots of the 46QP boards and are expanded in the housing, using a small dowel with a diameter of 4mm. One insert kit package contains 10 inserts.



GW 46 522

TRIANGULAR KEY

| Code | Description | Pack Carton |
|-----------|----------------|-------------|
| GW 46 522 | Triangular key | 10 |

APPLICATIONS: for boards 46QP, QX, QM e CEP.



GW 46 523

TRIANGULAR LOCK

| Code | Description | Pack Carton |
|-----------|-----------------|-------------|
| GW 46 523 | Triangular lock | 10 |

APPLICATIONS: for boards 46QP, QX, QM e CEP.



GW 46 445

SECURITY LOCK WITH HANDLE

| Code | Description | Pack Carton |
|-----------|------------------------------|-------------|
| GW 46 445 | Security lock key and handle | 10 |

APPLICATIONS: for boards 46QP, QX, QM e CEP.

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.

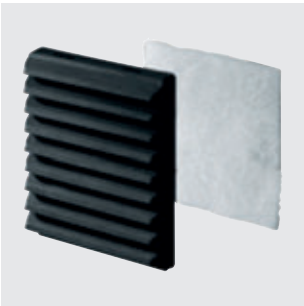


GW 46 448

VENTILATION KIT

| Code | IP degree | Rated voltage | Fixing hole (mm) | Screws centre distance (mm) | Pack Carton |
|-----------|-----------|--------------------|------------------|-----------------------------|-------------|
| GW 46 448 | IP44 | 230 V - 50 / 60 Hz | 125x117 | 123x115 | 1/2 |

CHARACTERISTICS: the fan takes in air from the outside and introduces it into the distribution board, creating a slight overpressure that prevents foreign particles from entering. Max fan capacity 60 m³/h. Absorbed power equal to 20 W.
APPLICATIONS: forced ventilation in critical thermal conditions.
ACCESSORIES SUPPLIED: drilling template.



GW 46 471

AERATION KIT

| Code | IP degree | Fixing hole (mm) | Screws centre distance (mm) | Pack Carton |
|-----------|-----------|------------------|-----------------------------|-------------|
| GW 46 471 | IP44 | 125x117 | 123x115 | 1/10 |

ACCESSORIES SUPPLIED: drilling template.



GW 46 447

DOCUMENT HOLDER POCKET IN SELF-ADHESIVE INSULATING MATERIAL WITH KIT OF BLANK LABELS

| Code | Dimensions (mm) | Pack Carton |
|-----------|-----------------|-------------|
| GW 46 447 | 310x230 | 1/10 |

CHARACTERISTICS: can be inserted in all Gewiss enclosures from dimension 405x500x200 mm upwards.



GW 44 651

SINGLE-POLE MODULAR DISTRIBUTION TERMINAL BLOCK - FIXING ON PLATE OR DIN RAIL - IP20

| Code | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Input connecting capacity | Output connecting capacity | Pack Carton |
|-------------------------------|-----------------------|-------------------------|---------------------------|----------------------------|-------------|
| Rated current (A): 160 | | | | | |
| GW 44 651 | 35x92x49 | 2 | 1x(10-70) mm² | 6x(2.5-16) mm² | 1/5 |

APPLICATIONS: possibility to create 1, 2, 3 and 4-pole distributing frames.
CHARACTERISTICS: terminal tightening torque: input cable 4 Nm, output cables 1.5 Nm.



GW 44 652

RIGID JUMPER KIT AND CAP FOR ONE-POLE TERMINAL BLOCK GW44651

| Code | Description | Pack Carton |
|-----------|-------------|-------------|
| GW 44 652 | Jumper kit | 1/25 |



GW 44 693

**TWO-POLE DISTRIBUTION TERMINAL BLOCKS WITH TRANSPARENT PROTECTION COVER
FIXING ON PLATE OR DIN RAIL EN 50022 - 750V - T 85°C**

| Code | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|-------------------------------|--------------------------|----------------------------|------------------------------|---|----------|----------------|
| Rated current (A): 100 | | | | | | |
| GW 44 691 | 70x49x50 | 4 | 1x(6-35) mm ² | [1x(4-25) + 5x(1.5-10)] mm ² | 6 kA | 2/40 |
| Rated current (A): 125 | | | | | | |
| GW 44 693 | 141x49x50 | 8 | 1x(6-35) mm ² | [2x(4-25) + 2x(4-16) + 10x(1.5-10)] mm ² | 6 kA | 1/12 |

CHARACTERISTICS: the indicated connection capacity is "per pole" and refers to the fitting of cables with "test prods".
NOTES: products bearing the IMQ quality mark.



GW 44 696

**FOUR-POLE DISTRIBUTION TERMINAL BLOCKS WITH
TRANSPARENT PROTECTION COVER. FIXING ON PLATE OR DIN RAIL EN 50022 - 750V - T 85°C**

| Code | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|-------------------------------|--------------------------|----------------------------|------------------------------|---|----------|----------------|
| Rated current (A): 100 | | | | | | |
| GW 44 696 | 70x88.5x50 | 4 | 1x(6-35) mm ² | [1x(4-25) + 5x(1.5-10)] mm ² | 6 kA | 2/20 |
| Rated current (A): 125 | | | | | | |
| GW 44 698 | 141x88.5x50 | 8 | 1x(6-35) mm ² | [2x(4-25) + 2x(4-16) + 10x(1.5-10)] mm ² | 6 kA | 1/10 |
| Rated current (A): 160 | | | | | | |
| GW 44 699 | 185x75x135 | 10 | 1x(16-50) mm ² | [2x(10-35) + 2x(6-25) + 8x(4-16)] mm ² | 10 kA | 1/12 |

CHARACTERISTICS: terminal tightening torque: input cables 4 Nm, output cables 1.5 Nm.
the indicated connection capacity is "per pole" and refers to the fitting of cables with "test prods".
NOTES: products bearing the IMQ quality mark.



GW 44 700


HORIZONTAL FOUR-POLE DIVIDER 250 A WITH PRE-DRILLED THREADED M6 BARS - 20X5 MM

| Code | Dimensions (mm) | No. of modules EN 50022 | Installation | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|-----------|--------------------|----------------------------|---------------------|------------------------------|-------------------------------|----------|----------------|
| GW 44 700 | 285x190x70 | 16 | On profile EN 50022 | 1xM12 | 10xM6 | 17 kA | 1/2 |

ACCESSORIES SUPPLIED: installation clip on DIN rail.


44 CEP - WATERTIGHT BOARDS IN GWPLAST 120 - GWT 650 °C - IP55

INSTALLATION



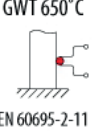
min -25°C max +60°C

IP55




EN 60529

GWT 650°C



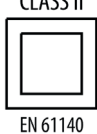
EN 60695-2-11

TP 110°C



EN 60695-10-2

CLASS II




EN 61140

DISTRIBUTION BOARDS



GW 44 810

WATERTIGHT BOARDS WITH BLANK DOOR FITTED WITH LOCK - GREY RAL 7035



EN 60754-2

| Code | Outer dim. LxHxD (mm) | No. of modules EN 50022 | No. locks | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|-----------|--------------------------|----------------------------|--------------|----------------------------|----------------------------|----------------|
| GW 44 808 | 200x254x135 | | 1 | 16 | 17 | 4 |
| GW 44 809 | 236x316x135 | 8 | 1 | 26 | 31 | 4 |
| GW 44 810 | 316x396x160 | 24 (12X2) | 2 | 42 | 34 | 2 |
| GW 44 811 | 396x474x160 | 32 (16X2) | 2 | 52 | 46 | 2 |

CHARACTERISTICS: Doors equipped with functional grid of reference for fixing the devices. Impact resistance: 5 J.

ACCESSORIES SUPPLIED: frame for semi-flush-mounting installations, screwcap for double insulation, triangle key.

NOTES: The technical and functional characteristics, and the nominal values, refer to vertical installation only.

Dispersible power calculated according to CEI 23-49:


Dispersible power A (W): configuration of the board with relative back-mounting plate.

Dispersible power B (W): configuration of the board with relative panel with windows.



GW 44 820

WATERTIGHT BOARDS WITH TRANSPARENT DOOR FITTED WITH LOCK - GREY RAL 7035



EN 60754-2

| Code | Outer dim. LxHxD (mm) | No. of modules EN 50022 | No. locks | Dispersible power A (W) | Dispersible power B (W) | Pack Carton |
|-----------|--------------------------|----------------------------|--------------|----------------------------|----------------------------|----------------|
| GW 44 818 | 200x254x135 | | 1 | 16 | 17 | 4 |
| GW 44 819 | 236x316x135 | 8 | 1 | 26 | 31 | 4 |
| GW 44 820 | 316x396x160 | 24 (12X2) | 2 | 42 | 34 | 2 |
| GW 44 821 | 396x474x160 | 32 (16X2) | 2 | 52 | 46 | 2 |

CHARACTERISTICS: Doors equipped with functional grid of reference for fixing the devices. Impact resistance: 5 J.

ACCESSORIES SUPPLIED: frame for semi-flush-mounting installations, screwcap for double insulation, triangle key.

NOTES: The technical and functional characteristics, and the nominal values, refer to vertical installation only.

Dispersible power calculated according to CEI 23-49:

Dispersible power A (W): configuration of the board with relative back-mounting plate.

Dispersible power B (W): configuration of the board with relative panel with windows.

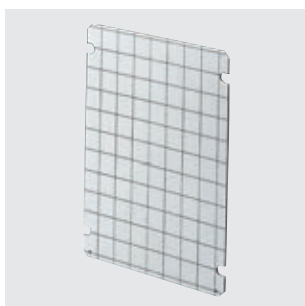
INTERNAL CONFIGURATION



GW 44 639

BACK-MOUNTING PLATE IN GALVANISED STEEL WITH SELF-TAPPING FIXING SCREWS

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 44 636 | 200x254 | 20 |
| GW 44 637 | 236x316 | 20 |
| GW 44 638 | 316x396 | 5 |
| GW 44 639 | 396x474 | 5 |



GW 44 649

BACK-MOUNTING PLATE IN INSULATED MATERIAL WITH SELF-TAPPING FIXING SCREWS

| Code | For boards LxH (mm) | Pack Carton |
|-----------|------------------------|----------------|
| GW 44 646 | 200x254 | 20 |
| GW 44 647 | 236x316 | 20 |
| GW 44 648 | 316x396 | 4 |
| GW 44 649 | 396x474 | 5 |

CHARACTERISTICS: equipped with functional grid for fixing devices.



GW 44 854

PANELS WITH WINDOW FOR MODULAR DEVICES AND MOULDED-CASE CIRCUIT BREAKERS IN FIXED POSITION EXECUTION, UP TO 160 A COUPLING - GREY RAL 7035



| Code | No. of modules EN 50022 | For boards LxH (mm) | Suitable for | Pack Carton |
|-----------|----------------------------|------------------------|------------------------|----------------|
| GW 44 852 | 8 | 236x316 | Moulded case max 125 A | 8 |
| GW 44 853 | 14 | 316x396 | Moulded case max 160 A | 8 |
| GW 44 854 | 24 (12X2) | 316x396 | Moulded case max 125 A | 8 |
| GW 44 855 | 32 (16X2) | 396x474 | Moulded case max 160 A | 8 |

ACCESSORIES SUPPLIED: fixing uprights and DIN rails, module masks, user labels.

SERVICE COMPLEMENTARY ITEMS



GW 46 451

SET OF 4 STEEL BRACKETS FOR FIXING SURFACE-MOUNTING BOARDS

| Code | Material | Accessories supplied | Pack Carton |
|-----------|------------------|----------------------------|----------------|
| GW 46 446 | Galvanised steel | Self-tapping fixing screws | 20 |
| GW 46 451 | Stainless steel | Self-tapping fixing screws | 20 |



GW 44 621

WALL FIXING BRACKET



| Code | Material | Accessories supplied | For enclosures For dist. boards | Pack Carton |
|-----------|------------|----------------------------|------------------------------------|----------------|
| GW 44 621 | Insulation | Self-tapping fixing screws | All wall types | 40/480 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.

ACCESSORIES SUPPLIED: 2 fixing screws.



GW 40 423

PLASTIC MODULE COVER PROFILE



| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-----------|----------------------------|---------------|----------------|
| GW 40 423 | 4.5 | Grey RAL 7035 | 50 |

CHARACTERISTICS: clip fixing on DIN perforated front panels.



GW 46 522

TRIANGULAR KEY

| Code | Description | Pack Carton |
|-----------|----------------|----------------|
| GW 46 522 | Triangular key | 10 |

APPLICATIONS: for boards 46QP, QX, QM e CEP.



GW 46 523

TRIANGULAR LOCK

| Code | Description | Pack Carton |
|------------------|-----------------|----------------|
| GW 46 523 | Triangular lock | 10 |

APPLICATIONS: for boards 46QP, QX, QM e CEP.



GW 46 445

SECURITY LOCK WITH HANDLE

| Code | Description | Pack Carton |
|------------------|------------------------------|----------------|
| GW 46 445 | Security lock key and handle | 10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



46 QP – NEW STYLE AND PERFORMANCE



The 46 QP thermosetting watertight boards are renewed further: the boards have an high IP66 degree of protection and aesthetics transparent door offer 20% more of internal visibility than previous versions.

46 QP - SOLUTIONS FOR EVERY APPLICATION



GEWISS has subjected the QP boards to strict tests in order to obtain valid certifications for the use of the boards in diverse applications. The QP boards are type approved and certified for site applications and are ideal for photovoltaic installations.

FAST & EASY – ROBUSTNESS, SPEED AND ACCESSORIZABLE



The F&E system, common to 46 QP/QM/QX boards, reduces assembly time of the board up to 40% compared to traditional systems. Robustness and reliability obtained through the use of metal components by means of a fast and intuitive usage.

CHECK OF OVERTEMPERATURE INSIDE 46 RANGE UNIVERSAL BOARDS

For boards, it is possible to use the calculation method explained in paragraph 10.10.4.2 of Standard EN 61439-1, IEC 61439-1.

To facilitate the thermal check of the 46 range boards in the latter case, Gewiss has prepared a set of tables (on the next page) for every board version and size; these tables show the maximum dispersible power values inside every type of shell, on the basis of the consequential maximum internal overtemperature of the air. The parameters of the dispersible power in the various configurations were obtained from both laboratory tests carried out according to the method described in paragraph 10.10.4.2 of Standard EN 61439-1 (and subsequently verified according to paragraph 10.10.4.3 of Standard EN 61439-1), and the calculation method indicated in Standard IEC 60890.

The tables are valid when the following parameters are respected:

- a) sum of board input current no greater than:
 - a1. 1600A (if all the requisites listed below are respected);
 - a2. 630A (if the requisites indicated in points 2 - 6 below are respected);
- b) maximum rated frequency of the board no greater than 60 Hz;
- c) sufficiently even distribution of the devices inside the board;
- d) rated current of each circuit no greater than 80% of the free air current (I_{th}) of the devices installed along the circuit itself (bear in mind that for modular devices, the free air current (I_{th}) usually coincides with the rated current (I_n) of the devices themselves);
- e) mechanical parts and devices installed so as not to prevent free air circulation;
- f) no conductor section less than that indicated in IEC 60364-5-52;
- g) for shells with ventilation openings, the section of the air output openings must be at least 1.1 times the section of the input openings;
- h) no more than three horizontal divisions for each board or board section;
- i) for shells with compartments and natural ventilation, the section of the ventilation openings in each partition must be equal to at least 50% of the horizontal section of the compartment.

The check is carried out on the basis of the following points:


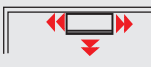



- 1) definition of the board installation conditions: single board exposed on every side, or single surface-mounting board, etc;
- 2) identification of the overtemperature allowed for the board, according to the maximum operating temperature of the devices to be installed in it;
- 3) determination of the P_{dix} of the board (taking into account the dispersible power of the active devices to be installed in the board);
- 4) identification of the board ($L \times H \times D$) with dispersible power P_{dq} , according to the conditions determined in points 1 and 2, plus the P_{dix} already determined in point 3.




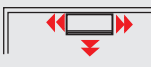

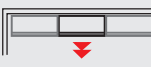

To speed up the calculation, check, certification and budgeting of GEWISS boards, there is the GWPBT-Q software available in the special GEWISS Software CD or which can be downloaded directly from the website www.gewiss.com.

DISPERSIBLE POWERS OF THE 46 RANGE BOARDS (P_{DQ})






44 CEP BOARDS

| | | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | |
|---------------------------------|--------|--------|---|----|----|----|----|---|----|----|----|----|---|----|----|----|----|---|----|----|----|----|---|----|----|----|----|
| Overtemperature Δt (°K) | | | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 |
| B (mm) | H (mm) | P (mm) | Maximum dispersible power (W) | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 254 | 135 | 7 | 9 | 12 | 15 | 17 | 6 | 9 | 11 | 14 | 16 | 5 | 7 | 10 | 12 | 14 | 5 | 7 | 9 | 11 | 13 | 4 | 6 | 9 | 11 | 12 |
| 236 | 316 | 135 | 8 | 11 | 14 | 17 | 19 | 7 | 10 | 13 | 16 | 18 | 6 | 9 | 12 | 14 | 16 | 6 | 9 | 11 | 13 | 15 | 5 | 8 | 10 | 12 | 13 |
| 316 | 396 | 160 | 11 | 15 | 20 | 25 | 30 | 9 | 13 | 17 | 22 | 26 | 9 | 12 | 16 | 20 | 24 | 8 | 11 | 15 | 19 | 23 | 7 | 10 | 14 | 18 | 21 |
| 396 | 474 | 160 | 18 | 24 | 30 | 36 | 42 | 16 | 21 | 26 | 32 | 37 | 14 | 19 | 23 | 29 | 33 | 13 | 18 | 22 | 27 | 31 | 13 | 17 | 21 | 26 | 29 |

46 QP boards

| | | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | |
|---------------------------------|--------|--------|---|-----|-----|-----|-----|---|-----|-----|-----|-----|---|-----|-----|-----|-----|---|----|-----|-----|-----|---|----|-----|-----|-----|
| Overtemperature Δt (°K) | | | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 |
| B (mm) | H (mm) | P (mm) | Maximum dispersible power (W) | | | | | | | | | | | | | | | | | | | | | | | | |
| 250 | 300 | 160 | 13 | 17 | 21 | 25 | 30 | 11 | 14 | 18 | 22 | 26 | 10 | 13 | 16 | 20 | 23 | 9 | 11 | 15 | 18 | 22 | 8 | 11 | 14 | 17 | 20 |
| 310 | 425 | 160 | 18 | 24 | 31 | 36 | 44 | 16 | 21 | 27 | 33 | 40 | 15 | 19 | 25 | 30 | 36 | 14 | 17 | 24 | 29 | 34 | 12 | 16 | 20 | 24 | 30 |
| 405 | 500 | 200 | 24 | 32 | 41 | 50 | 59 | 22 | 30 | 38 | 46 | 55 | 21 | 28 | 36 | 44 | 52 | 18 | 25 | 32 | 39 | 46 | 16 | 22 | 28 | 34 | 40 |
| 405 | 650 | 200 | 34 | 46 | 57 | 69 | 82 | 29 | 39 | 49 | 59 | 70 | 27 | 36 | 45 | 54 | 65 | 25 | 33 | 42 | 50 | 60 | 23 | 31 | 39 | 47 | 56 |
| 515 | 650 | 250 | 50 | 66 | 81 | 98 | 115 | 46 | 60 | 74 | 89 | 105 | 43 | 57 | 70 | 84 | 99 | 41 | 54 | 66 | 79 | 93 | 36 | 48 | 58 | 70 | 84 |
| 585 | 800 | 300 | 67 | 90 | 112 | 134 | 157 | 61 | 81 | 101 | 121 | 142 | 55 | 74 | 93 | 111 | 132 | 53 | 70 | 87 | 105 | 123 | 47 | 64 | 78 | 94 | 110 |
| 800 | 1060 | 350 | 102 | 135 | 170 | 204 | 239 | 92 | 122 | 153 | 184 | 216 | 76 | 101 | 127 | 152 | 179 | 74 | 99 | 123 | 149 | 175 | 66 | 87 | 110 | 132 | 156 |

46 QM / QX boards

| | | |  | | | | |  | | | | |  | | | | |  | | | | |  | | | | |
|---------------------------------|--------|--------|---|-----|-----|-----|-----|---|-----|-----|-----|-----|---|-----|-----|-----|-----|---|-----|-----|-----|-----|---|-----|-----|-----|-----|
| Overtemperature Δt (°K) | | | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 | 20 | 25 | 30 | 35 | 40 |
| B (mm) | H (mm) | P (mm) | Maximum dispersible power (W) | | | | | | | | | | | | | | | | | | | | | | | | |
| 250 | 300 | 160 | 17 | 23 | 28 | 34 | 41 | 15 | 20 | 25 | 30 | 36 | 13 | 18 | 22 | 27 | 32 | 12 | 16 | 20 | 24 | 29 | 11 | 15 | 19 | 22 | 27 |
| 310 | 425 | 160 | 22 | 32 | 40 | 48 | 58 | 20 | 29 | 36 | 44 | 53 | 18 | 26 | 33 | 40 | 48 | 17 | 25 | 31 | 38 | 45 | 15 | 21 | 27 | 32 | 39 |
| 405 | 500 | 200 | 36 | 48 | 59 | 71 | 84 | 34 | 45 | 55 | 66 | 78 | 32 | 42 | 52 | 62 | 73 | 28 | 37 | 45 | 55 | 65 | 25 | 33 | 41 | 48 | 58 |
| 405 | 650 | 200 | 47 | 61 | 74 | 91 | 108 | 40 | 52 | 64 | 78 | 92 | 37 | 48 | 59 | 71 | 85 | 34 | 44 | 54 | 66 | 79 | 32 | 41 | 51 | 62 | 74 |
| 515 | 650 | 250 | 61 | 83 | 102 | 123 | 143 | 56 | 75 | 93 | 112 | 131 | 53 | 70 | 87 | 106 | 124 | 50 | 67 | 83 | 100 | 117 | 44 | 60 | 73 | 89 | 104 |
| 585 | 800 | 300 | 69 | 90 | 114 | 141 | 169 | 63 | 81 | 103 | 127 | 152 | 57 | 74 | 94 | 116 | 140 | 54 | 70 | 89 | 110 | 132 | 49 | 63 | 80 | 98 | 118 |
| 800 | 1060 | 350 | 116 | 155 | 192 | 230 | 268 | 105 | 140 | 173 | 207 | 242 | 87 | 116 | 143 | 172 | 200 | 85 | 113 | 139 | 168 | 195 | 75 | 101 | 124 | 149 | 174 |

46 QX - STAINLESS STEEL WATERTIGHT BOARDS - IP55

| TECHNICAL CHARACTERISTICS (-) | |
|---|--|
| Standard: EN 61439-1 (CEI 17-113); EN 61439-2 (CEI 17-114); EN 60439-1 (CEI 17-13/1); EN 62208 (CEI 17-87); IEC EN 60670-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*) | Maximum rated operating voltage (Ue): 690V |
| Degree of protection: IP55 | Material: stainless steel from 10/10 to 15/10 (e.g. AISI 304) |
| Indirect contact protection: metal shell pre-arranged with earth terminal | Impact resistance: IK10 in accordance with EN 62262 |
| Installation temperature: max. +60°C; min. -25°C | Applications: for indoor use, in areas that are frequently cleaned with water jets |

(-) The technical and functional characteristics are referred to only one installation in a vertical position
(*) Enclosure type: GP (CEI 23-51) and PD

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|--------------------|--------------------|-----------|-----------|-----------|---------------|-------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Limited resistance | Non Resistant | Limited resistance | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant |

Dimension tables

BOARDS

With blank door

Adjustment and fixing distance centres for watertight boards in satin-finish stainless steel

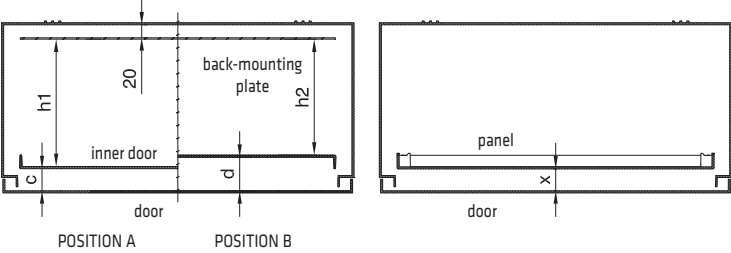
| Board Code | GW 46 052 | GW 46 054 | GW 46 056 |
|------------|-----------|-----------|-----------|
| A | 420 | 645 | 795 |
| B | 309 | 402 | 582 |
| C | 160 | 200 | 300 |
| D | 380 | 605 | 755 |
| E | 269 | 362 | 542 |
| F | 157 | 197 | 297 |
| G | 327 | 552 | 702 |
| H | 202 | 297 | 477 |

| Board Code | GW 46 052 | GW 46 054 | GW 46 056 |
|------------|-----------|-----------|-----------|
| A | 55 | 95 | 195 |
| B | 27 | 67 | 167 |
| C | 125 | 150 | 150 |
| D | 65 | 65 | 250 |
| E | 254 | 347 | 527 |
| F | 352 | 577 | 725 |
| G | 472 | 697 | 845 |
| H | 374 | 467 | 643 |
| I | 332 | 557 | 705 |
| L | 234 | 327 | 507 |
| M | - | 270 | 335 |

46 QP - QM - QX

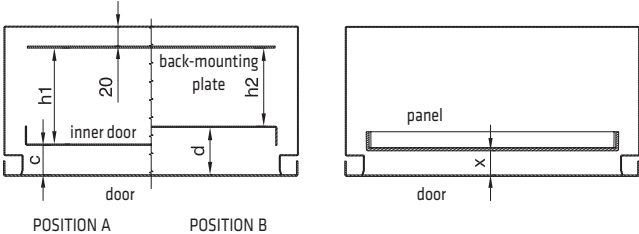
Dimension tables

46 QP: DISTANCES BETWEEN DOOR, INNER DOOR, BACK-MOUNTING PLATE AND PANEL



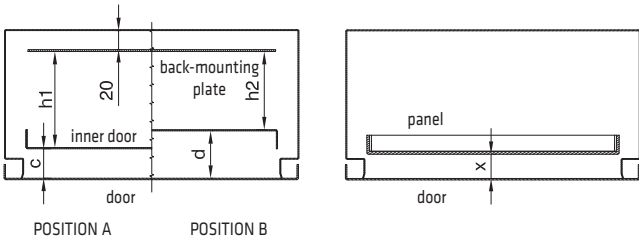
| Board dimensions | With inner door | | | | With panels |
|------------------|-----------------|-----|------------|-----|-------------|
| | Position A | | Position B | | X |
| | c | h1 | d | h2 | min |
| 310x425 | 32 | 96 | 49 | 79 | 32 |
| 405x500 | 32 | 136 | 49 | 119 | 32 |
| 405x650 | 32 | 136 | 49 | 119 | 32 |
| 515x650 | 32 | 186 | 49 | 169 | 32 |
| 585x800 | 32 | 236 | 49 | 219 | 32 |
| 800x1060 | 37 | 277 | 69 | 248 | 37 |

46 QM: DISTANCES BETWEEN DOOR, INNER DOOR, BACK-MOUNTING PLATE AND PANEL



| Board dimensions | With inner door | | | | With panels | |
|------------------|-----------------|-----|------------|-----|-------------|-----|
| | Position A | | Position B | | X | |
| | c | h1 | d | h2 | min | max |
| 310x425 | 31 | 102 | 50 | 83 | 22 | 67 |
| 405x500 | 31 | 142 | 50 | 123 | 25 | 33 |
| 405x650 | 31 | 142 | 50 | 123 | 25 | 33 |
| 515x650 | 31 | 191 | 50 | 172 | 35 | 116 |
| 585x800 | 31 | 241 | 50 | 222 | 35 | 166 |
| 800x1060 | 31 | 295 | 60 | 266 | 35 | 216 |

46 QX: DISTANCES BETWEEN DOOR, INNER DOOR, BACK-MOUNTING PLATE AND PANEL



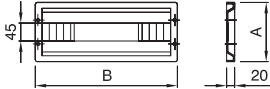
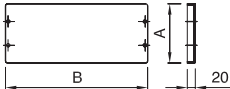
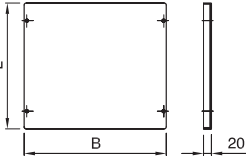
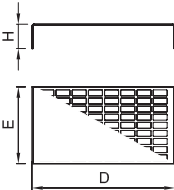
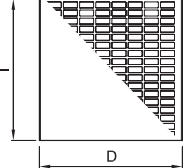
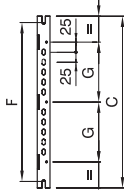
| Board dimensions | With inner door | | | | With panels | |
|------------------|-----------------|-----|------------|-----|-------------|-----|
| | Position A | | Position B | | X | |
| | c | h1 | d | h2 | min | max |
| 310x425 | 31 | 102 | 50 | 83 | 22 | 67 |
| 405x650 | 31 | 142 | 50 | 123 | 25 | 33 |
| 585x800 | 31 | 241 | 50 | 222 | 35 | 166 |

SURFACE-MOUNTING
BOARDS

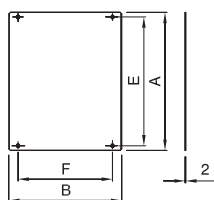
1243

46 QP - QM - QX - COMMON COMPLEMENTARY ITEMS

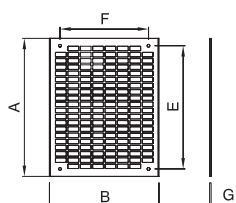
Dimension tables

| FRONT CONFIGURATION | | | | | | | |
|--|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| <div><div></div><div>panels with windows</div><div></div><div>1-module high blank panels</div><div></div><div>2-module high blank panels</div><div></div><div>perforated/solid plates with 1-module height</div><div></div><div>perforated/solid plates with 2-module height</div><div></div><div>uprights</div></div> | | | | | | | |
| Panels with windows | - | GW 46 420 F | GW 46 421 F | GW 46 421 F | GW 46 422 F | GW 46 423 F | GW 46 424 F |
| Single blank panels | - | GW 46 425 F | GW 46 426 F | GW 46 426 F | GW 46 427 F | GW 46 428 F | GW 46 429 F |
| Double blank panels | - | GW 46 475 F | GW 46 476 F | GW 46 476 F | GW 46 477 F | GW 46 478 F | GW 46 479 F |
| Uprights | - | GW 46 435 F | GW 46 436 F | GW 46 437 F | GW 46 437 F | GW 46 438 F | GW 46 439 F |
| Single perforated plates | - | GW 46 440 | GW 46 441 | GW 46 441 | GW 46 442 | GW 46 443 | GW 46 444 |
| Single solid plates | - | GW 46 540 | GW 46 541 | GW 46 541 | GW 46 542 | GW 46 543 | GW 46 544 |
| Double perforated plates | - | GW 46 480 | GW 46 481 | GW 46 481 | GW 46 482 | GW 46 483 | GW 46 484 |
| Double solid plates | - | GW 46 580 | GW 46 581 | GW 46 581 | GW 46 582 | GW 46 583 | GW 46 584 |
| For boards with dimensions LxH (mm) | 300 x 250 | 425 x 310 | 500 x 405 | 650 x 405 | 650 x 515 | 800 x 585 | 1060 x 800 |
| Number of modules | - | 12 | 18 | 18 | 24 | 28 | 36 |
| A | - | 124 | 149 | 149 | 149 | 149 | 199 |
| B | - | 265 | 358 | 358 | 466 | 538 | 718 |
| C | - | 355 | 430 | 580 | 580 | 730 | 980 |
| D | - | 170 | 265 | 265 | 373 | 445 | 625 |
| E | - | 116 | 142 | 142 | 142 | 142 | 190 |
| F | - | 327 | 402 | 552 | 552 | 702 | 952 |
| G | - | 125 | 150 | 150 | 150 | 150 | 200 |
| H | - | 40 | 45 | 45 | 45 | 45 | 45 |
| I | - | 241 | 292 | 292 | 292 | 292 | 390 |
| L | - | 249 | 299 | 299 | 299 | 299 | 399 |

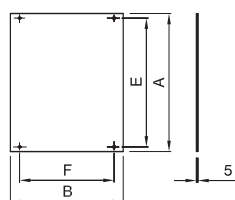
INTERNAL CONFIGURATION



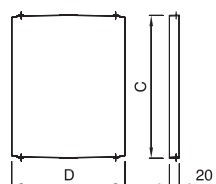
steel plates



steel perforated plates



insulating material plates



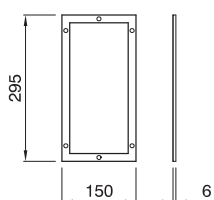
insulating inner door /
metal inner door

| | | | | | | | |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| Steel plates | GW 46 401 | GW 46 402 | GW 46 403 | GW 46 404 | GW 46 405 | GW 46 406 | GW 46 407 |
| Perforated plates | GW 46 461 | GW 46 462 | GW 46 463 | GW 46 464 | GW 46 465 | GW 46 466 | GW 46 467 |
| Insulated plates | GW 46 408 | GW 46 409 | GW 46 410 | GW 46 411 | GW 46 412 | GW 46 413 | - |
| Insulating inner door | - | GW 46 414 | GW 46 415 | GW 46 416 | GW 46 417 | GW 46 418 | GW 46 419 |
| Metal inner door | - | GW 46 564 | GW 46 565 | GW 46 566 | GW 46 567 | GW 46 568 | GW 46 569 |
| For boards LxH (mm) | 300 x 250 | 425 x 310 | 500 x 405 | 650 x 405 | 650 x 515 | 800 x 585 | 1060 x 800 |
| A | 235 | 359 | 434 | 584 | 584 | 734 | 984 |
| B | 199 | 260 | 355 | 355 | 463 | 535 | 715 |
| C | - | 370 | 445 | 595 | 595 | 745 | 995 |
| D | - | 264 | 357 | 357 | 465 | 537 | 712 |
| E | 203 | 327 | 402 | 552 | 552 | 702 | 952 |
| F | 141 | 202 | 297 | 297 | 405 | 477 | 657 |
| G | 1.5 | 2 | 2 | 2 | 2 | 2 | 2 |

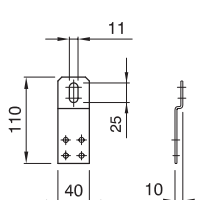
MAXIMUM ALLOWABLE LOADS ON BACK-MOUNTING PLATES INSTALLED IN BOARDS OF 46 RANGE (kg)

| Board size LxHxD (mm) | QP | QM | QX | Plate code | Plate type |
|--------------------------|-----|-----|-----|------------|------------|
| 250x300x160 | 50 | 42 | | GW 46 401 | Steel |
| | 35 | 35 | | GW 46 461 | Perforated |
| | 35 | 35 | | GW 46 408 | Insulating |
| 310x425x160 | 70 | 65 | 65 | GW 46 402 | Steel |
| | 40 | 40 | 40 | GW 46 462 | Perforated |
| | 70 | 65 | 65 | GW 46 409 | Insulating |
| 405x500x200 | 110 | 65 | | GW 46 403 | Steel |
| | 90 | 65 | | GW 46 463 | Perforated |
| | 90 | 65 | | GW 46 410 | Insulating |
| 405x650x200 | 110 | 65 | 65 | GW 46 404 | Steel |
| | 75 | 65 | 65 | GW 46 464 | Perforated |
| | 80 | 65 | 65 | GW 46 411 | Insulating |
| 515x650x250 | 130 | 115 | | GW 46 405 | Steel |
| | 95 | 95 | | GW 46 465 | Perforated |
| | 80 | 80 | | GW 46 412 | Insulating |
| 585x800x300 | 155 | 135 | 135 | GW 46 406 | Steel |
| | 95 | 95 | 95 | GW 46 466 | Perforated |
| | 95 | 95 | 95 | GW 46 413 | Insulating |
| 800x1060x350 | 245 | 215 | | GW 46 407 | Steel |
| | 120 | 120 | | GW 46 467 | Perforated |

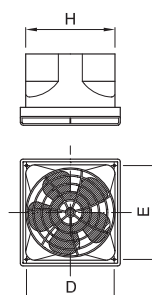
COMPLEMENTARY ITEMS



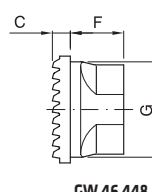
GW 46 449



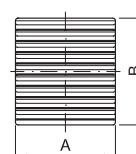
GW 46 446 - GW 46 451



| Code | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| GW 46 448 | 131 | 141 | 23.5 | 115 | 123 | 70 | 125 | 117 |
| GW 46 471 | 131 | 141 | 23.5 | 115 | 123 | - | - | - |



GW 46 448



44 CEP - WATERTIGHT BOARDS IN GWPLAST 120 - GWT 650°C - IP55

| TECHNICAL CHARACTERISTICS (-) | |
|---|---|
| Standard: EN 61439-1 (CEI 17-113); EN 61439-2 (CEI 17-114); EN 60439-1 (CEI 17-13/1); IEC EN 60670-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*) | Maximum rated operating voltage (Ue): 750V |
| Degree of protection: IP55 | Material: GW PLAST 120, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) |
| Protection against indirect contact: double insulation - □ (•) | Impact resistance: IK08 in accordance with EN 62262 |
| Installation temperature: max. +60°C; min. -25°C | Heat resistance: thermo-pressure with ball 110°C |
| Maximum rated insulation voltage (Ui): 750V | Resistance to abnormal heat and fire: Glow wire test 650°C |

(•) Complete insulation, in accordance with EN 61140 Standard, obtainable with screwcaps or GW 44 621 / GW 46 446 / GW 46 451 fixing brackets.
(-) The technical and functional characteristics are referred to only one installation in a vertical position
(*) Enclosure type: GP (CEI 23-51) and PD

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Limited resistance | Limited resistance | Limited resistance | Limited resistance | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

| BOARDS | | | | | |
|------------|------------------------|------------------------|------------------------|------------------------|--|
| | | | | | |
| Board Code | GW 44 808 GW 44 818 | GW 44 809 GW 44 819 | GW 44 810 GW 44 820 | GW 44 811 GW 44 821 | |
| A | 200 | 236 | 316 | 396 | |
| B | 254 | 316 | 396 | 474 | |
| C | 135 | 135 | 160 | 160 | |
| D | 211.5 | 273.5 | 353.5 | 431.5 | |
| E | 151.5 | 187.5 | 267.5 | 347.5 | |
| F | 127.5 | 127.5 | 140 | 140 | |
| G | 321 | 383 | 463 | 541 | |
| H | 290 | 326 | 406 | 486 | |
| I | 181 | 243 | 323 | 401 | |
| L | 150 | 186 | 266 | 346 | |
| M | 129 | 191 | 271 | 349 | |
| N | 130 | 166 | 246 | 326 | |
| O | 116 | 152 | 232 | 312 | |
| P | 189 | 251 | 331 | 409 | |
| Q | - | 40 | 40 | 75 | |
| R | - | 27 | 35 | 35 | |
| S | - | 150 | 150 | 150 | |
| T | - | 54.5 | 62.5 | 62.5 | |

| BACK-MOUNTING PLATES | | | | | | |
|----------------------|-------|-------|-----|-----|-----|-----------|
| | | | | | | |
| Plate | A | B | E | F | G | Board |
| GW 44 636 | 205.5 | 145.5 | 189 | 118 | 1.5 | GW 44 808 |
| GW 44 646 | | | | | 4 | GW 44 818 |
| GW 44 637 | 267.5 | 181.5 | 251 | 152 | 1.5 | GW 44 809 |
| GW 44 647 | | | | | 4 | GW 44 819 |
| GW 44 638 | 347.5 | 261.5 | 331 | 232 | 2 | GW 44 810 |
| GW 44 648 | | | | | 4 | GW 44 820 |
| GW 44 639 | 425.5 | 341.5 | 409 | 312 | 2 | GW 44 811 |
| GW 44 649 | | | | | 4 | GW 44 821 |











GWPBT-Q:
Software for the sizing and cost estimate of LV systems and enclosures/boards

The GWPBT-Q software is a fundamental aid to facilitate and speed up checks into the conformity of the boards with Standard CEI 23-51.





It allows you to check the overtemperature limits (with the relative printout of the conformity declaration) and, at the same time, permits you to draw up the cost estimates.

Additional information for PD enclosures:





























1. Install in a DIN rail device board with a voltage and rated current less than those of the enclosures.
2. Enclosures tested with protection devices which comply with Standards EN 60898-1, EN 61008-2-1 and EN 61009-2-1.
3. Use DIN rail connection devices that are suitable for use with the sections and with the number of input and output cables.
4. For the installation of the devices, follow the directions and warnings provided in the specific sheet for each component of the enclosure.
5. Ensure that the live parts cannot be accessed once installed.
6. When carrying out the wiring operation, take care to maintain adequate isolation distances.
7. Comply with local system standards.

| | | SURFACE-MOUNTING ENCLOSURES | | | |
|--|--|---|--|---------------|---|
| | | 40 CDK SURFACE-MOUNTING MODULAR WATERTIGHT ENCLOSURES AND BOARDS IP65 | | | 40 CD SURFACE-MOUNTING WATERTIGHT ENCLOSURES IP55 |
| | | <div>Colour: RAL 7035 Grey Smooth: walls</div> <div></div> | | | <div>Colour: RAL 7035 Grey Walls: with perforation centres</div> <div></div> |
| | | Door: smoked transparent | | | Door: smoked transparent |
| | | Without terminal block | With 80A - IP20 bipolar screw terminal block | | |
| | 1st level | | 2nd level | | |
| Modules | 2 | - | - | - | - |
| | 4 | GW 40 101 | - | - | GW 40 001 |
| | 6 | - | - | - | - |
| | 8 | GW 40 102 | GW 40 102 BS | - | GW 40 003 |
| | 12 | GW 40 103 | GW 40 103 BS | - | GW 40 005 |
| | 18 | GW 40 106 | GW 40 106 BS | - | - |
| | 24 (12x2) | GW 40 104 | GW 40 104 BS | GW 40 104 BD | GW 40 007 |
| | 36 (12x3) | GW 40 105 | GW 40 105 BD | GW 40 105 UD | - |
| | 36 (18x2) | GW 40 107 | GW 40 107 BS | GW 40 107 BD | GW 40 009 |
| | 54 (18x3) | GW 40 108 | GW 40 108 BD | GW 40 108 BT | - |
| | 72 (18x4) | GW 40 109 | GW 40 109 BD | GW 40 109 BQ | - |
| COMPLEMENTARY ITEMS | INSTALLATION | Surface-mounting fixing brackets for enclosures and boards  | 4 x GW 44 621 | | 4 x GW 44 621 |
| | | Stylish coupling covers for conduit and trunking entry  | Modules | Code | - |
| | | | 12-24-36(12x3) | GW 40 473 | |
| | | | 18-36(18x2)-54-72 | GW 40 474 | |
| | WIRING | Internal horizontal dividers  | Modules | Code | - |
| | | | 24-36(12x3) | GW 40 487 | |
| | | | 36(18x2)-54-72 | GW 40 488 | |
| | | Blind cover panels 1 module height  | Modules | Code | - |
| | | | 24-36(12x3) | GW 40 492 | |
| | | | 36(18x2)-54-72 | GW 40 493 | |
| | MISCELLANEOUS | Cylindrical safety lock  | Modules | Code | - |
| | | | 4-8-12-24-36(18x2) | 1 x GW 40 422 | |
| | | | 36(12x3)-54-72 | 2 x GW 40 422 | |
| Triangular key  | | - | | 1 x GW 40 421 | |
| | Expansion kit for home network enclosure | | | | |

SURFACE-MOUNTING ENCLOSURES

| 40 CD PROTECTED SURFACE-MOUNTING DECORATIVE ENCLOSURES IP40 | | | | | | 40 CD PROTECTED SURFACE-MOUNTING ENCLOSURES IP40 | HOME NETWORKING ENCLOSURE FOR NETWORK CABLING IP65 |
|---|--|--------------|---------------------------|--|--------------|---|--|
| <div>Colour: RAL 9016 White Smooth: walls</div> <div></div> <div></div> | | | | | | <div>Colour: RAL 7035 Grey Walls: with perforation centres</div> <div></div> | <div>Colour: RAL 9016 White Smooth: walls</div> <div></div> |
| Door: smoked transparent | | | Door: blank | | | Door: no | Door: transparent |
| Without terminal block | With 80A - IP20 bipolar screw terminal | | Without terminal block | With 80A - IP20 bipolar screw terminal block | | Without terminal block | Output: Patch Panel with N°12 RJ45 sockets |
| | 1st level | 2nd level | | 1st level | 2nd level | | |
| - | - | - | - | - | - | GW 40 022 | GW 40 391 dimensions BxHxP = 410x655x140 (mm) |
| - | - | - | - | - | - | GW 40 023 | |
| - | - | - | - | - | - | GW 40 024 | |
| GW 40 043 | GW 40 043 BS | - | GW 40 063 | GW 40 063 BS | - | GW 40 026 | |
| GW 40 045 | GW 40 045 BS | - | GW 40 065 | GW 40 065 BS | - | GW 40 028 | |
| - | - | - | - | - | - | - | |
| GW 40 047 | GW 40 047 BS | GW 40 047 BD | GW 40 067 | GW 40 067 BS | GW 40 067 BD | GW 40 030 | |
| - | - | - | - | - | - | GW 40 032 | |
| GW 40 049 | GW 40 049 BS | GW 40 049 BD | GW 40 069 | GW 40 069 BS | GW 40 069 BD | - | |
| GW 40 051 | GW 40 051 BD | - | GW 40 071 | GW 40 071 BD | - | - | |
| GW 40 053 | GW 40 053 BD | GW 40 053 BQ | GW 40 073 | GW 40 073 BD | GW 40 073 BQ | - | |
| 4 x GW 44 621 | | | | | | 4 x GW 44 621 | 4 x GW 44 621 |
| - | | | | | | - | Code |
| | | | | | | | 1 x GW 40 474 |
| - | | | | | | - | - |
| - | | | | | | - | - |
| Modules | | | Code | | | - | Code |
| 8-12-18-24-36-54 | | | 1 x GW 40 422 | | | | 2 x GW 40 422 |
| 72 | | | 2 x GW 40 422 | | | | |
| - | | | | | | - | - |
| | | | | | | - | GW 38 097 - GW 38 098 - GW 38 099 |

COMPATIBILITY OF SURFACE MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS

| Surface-mounting enclosure range | Modules | Door | Code | Terminal blocks position | Screw terminal blocks | | |
|--|--------------|--------------------------|-----------|---|---|-------------------------------------|--------------------------------------|
| | | | | |  | | |
| | | | | | Terminal block size 1 | | |
| | | | | | Bipolar 125 A 2 x [(1x25)+(7x10)] | Bipolar 80 A 2 x [(2x16)+(7x10)] | Unipolar 80 A 1 x [(2x16)+(7x10)] |
| | | | | | GW 40 401 | GW 40 408 B | GW 40 408 U |
| 40 CDK SURFACE-MOUNTING MODULAR WATERTIGHT ENCLOSURES AND BOARDS IP65  | 8 | Door: smoked transparent | GW 40 102 |  | No. 1 | No. 1 | No. 1 |
| | 12 | Door: smoked transparent | GW 40 103 |  | No. 1 (*) | No. 1 (*) | No. 1 (*) |
| | 18 | Door: smoked transparent | GW 40 106 |  | No. 1 (*) | No. 1 (*) | No. 1 (*) |
| | 24 (12x2) | Door: smoked transparent | GW 40 104 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | 36 (12x3) | Door: smoked transparent | GW 40 105 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | 36 (18x2) | Door: smoked transparent | GW 40 107 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | 54 (18x3) | Door: smoked transparent | GW 40 108 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | 72 (18x4) | Door: smoked transparent | GW 40 109 |  | No. 4 (*) | No. 4 (*) | No. 4 (*) |
| 40 CD SURFACE-MOUNTING WATERTIGHT ENCLOSURES IP55  | 8 | Door: smoked transparent | GW 40 003 |  | No. 1 | No. 1 | No. 1 |
| | 12 | Door: smoked transparent | GW 40 005 |  | No. 1 (*) | No. 1 (*) | No. 1 (*) |
| | 24 (12x2) | Door: smoked transparent | GW 40 007 |  | No. 2 | No. 2 | No. 2 |
| | 36 (18x2) | Door: smoked transparent | GW 40 009 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| 40 CD PROTECTED SURFACE-MOUNTING DECORATIVE ENCLOSURES IP40   | 8 | Door: smoked transparent | GW 40 043 |  | No. 1 | No. 1 | No. 1 |
| | | Door: blank | GW 40 063 | | | | |
| | 12 | Door: smoked transparent | GW 40 045 |  | No. 1 (*) | No. 1 (*) | No. 1 (*) |
| | | Door: blank | GW 40 065 | | | | |
| | 24 (12x2) | Door: smoked transparent | GW 40 047 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | | Door: blank | GW 40 067 | | | | |
| | 36 (18x2) | Door: smoked transparent | GW 40 049 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | | Door: blank | GW 40 069 | | | | |
| | 54 (18x3) | Door: smoked transparent | GW 40 051 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | | Door: blank | GW 40 071 | | | | |
| | 72 (18x4) | Door: smoked transparent | GW 40 053 |  | No. 4 (*) | No. 4 (*) | No. 4 (*) |
| | | Door: blank | GW 40 073 | | | | |
| 40 CD PROTECTED SURFACE-MOUNTING ENCLOSURES IP40  | 8 | Door: no | GW 40 026 |  | No. 1 | No. 1 | No. 1 |
| | 12 | Door: no | GW 40 028 |  | No. 1 (*) | No. 1 (*) | No. 1 (*) |
| | 24 (12x2) | Door: no | GW 40 030 |  | No. 2 | No. 2 | No. 2 |
| | 36 (12x3) | Door: no | GW 40 032 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |

(*) The installation is allowed using No.1 adapter GW40413 for each terminal block installed.

COMPATIBILITY OF SURFACE MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS
Screw terminal blocks


| Terminal block size 2 | | | | Terminal block size 3 | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|
| Bipolar 125 A 2 x [(3x25)+(10x10)] | Bipolar 80 A 2 x [(3x16)+(11x10)] | Unipolar 80 A 1 x [(3x16)+(11x10)] | Unipolar 80 A 1 x [(3x16)+(29x10)] | Bipolar 125 A 2 x [(5x25)+(14x10)] | Bipolar 80 A 2 x [(3x16)+(17x10)] | Unipolar 80 A 1 x [(3x16)+(17x10)] |
| GW 40 402 | GW 40 412 B | GW 40 412 U | GW 40 422 U | GW 40 404 | GW 40 418 B | GW 40 418 U |
| - | - | - | - | - | - | - |
| No. 1 | No. 1 | No. 1 | No. 1 | - | - | - |
| No. 1 (*) | No. 1 (*) | No. 1 (*) | No. 1 (*) | No. 1 | No. 1 | No. 1 |
| No. 2 | No. 2 | No. 2 | No. 2 | - | - | - |
| No. 2 | No. 2 | No. 2 | No. 2 | - | - | - |
| No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 | No. 2 | No. 2 |
| No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 | No. 2 | No. 2 |
| No. 4 (*) | No. 4 (*) | No. 4 (*) | No. 4 (*) | No. 4 | No. 4 | No. 4 |
| - | - | - | - | - | - | - |
| No. 1 | No. 1 | No. 1 | No. 1 | - | - | - |
| - | - | - | - | - | - | - |
| No. 2 | No. 2 | No. 2 | No. 2 | - | - | - |
| - | - | - | - | - | - | - |
| No. 1 | No. 1 | No. 1 | No. 1 | - | - | - |
| No. 2 | No. 2 | No. 2 | No. 2 | - | - | - |
| No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 | No. 2 | No. 2 |
| No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 | No. 2 | No. 2 |
| No. 4 (*) | No. 4 (*) | No. 4 (*) | No. 4 (*) | No. 4 | No. 4 | No. 4 |
| - | - | - | - | - | - | - |
| No. 1 | No. 1 | No. 1 | No. 1 | - | - | - |
| - | - | - | - | - | - | - |
| No. 2 | No. 2 | No. 2 | No. 2 | - | - | - |

40 CD

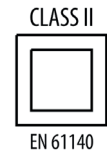
Surface-mounting distribution boards and enclosures

The offer provides: 40CDK watertight boards - IP65 with extractable frame (of 24 M) and plumbable panels; accessories include wiring trunking, locks, aesthetic covers and blank panels; 40CD watertight enclosures - IP55 with perforated holes on the walls, door with lock for each modular row; 40CD enclosures protected by furnishing - IP40 up to 72 M in the smoke and blank door versions; 40 CD enclosures without door - IP40. All materials are halogen-free.



Technical characteristics page 1262

40 CDK - MODULAR WATERTIGHT ENCLOSURES AND DISTRIBUTION BOARDS - IP65



SMOKED TRANSPARENT DOOR - SMOOTH WALLS



GW 40 101

ENCLOSURES - PREDISPOSED FOR TERMINAL BLOCK - GREY RAL 7035



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|--------------------------|--------------------------|----------------|
| GW 40 101 | 4 | 143x210x100 | 13 | 19 |
| GW 40 102 | 8 | 215x210x100 | 16 | 12 |
| GW 40 103 | 12 | 298x260x140 | 26 | 6 |
| GW 40 106 | 18 | 410x285x140 | 38 | 3 |

ACCESSORIES SUPPLIED: screwcaps and module masks, circuit labels. GW40102, GW40103 and GW40106, self-adhesive label to be filled out for certification according to standard CEI 23-51.

NOTES: Dispersible power calculated according to CEI 23-49. For the perforations, use the GW52401 milling cutter.

To restore the double insulation, use the relative accessories supplied (module masks and screwcaps) or the brackets for surface-mounting (GW44621).

For applications in the photovoltaic environment, use the surface-mounting brackets - code GW44621.

CHARACTERISTICS: Thermo-pressure with ball equal to 70°C.

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF SURFACE-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CD range.



GW 40 102 BS

ENCLOSURES - EQUIPPED WITH 80 A IP20 BIPOLAR SCREW TERMINAL BLOCK - GREY RAL 7035



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pole 1 (mm²) | Pole 2 (mm²) | Pack Carton |
|--------------|----------------------------|--------------------------|--------------------------|----------------------|----------------------|----------------|
| GW 40 102 BS | 8 | 215x210x100 | 16 | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | 12 |
| GW 40 103 BS | 12 | 298x260x140 | 26 | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | 6 |
| GW 40 106 BS | 18 | 410x285x140 | 38 | N/E (3x16) + (17x10) | N/E (3x16) + (17x10) | 3 |

ACCESSORIES SUPPLIED: screwcaps and module masks, circuit labels. Self-adhesive label to be filled out for certification according to standard CEI 23-51. Insulated bipolar screw 80A - IP20 terminal blocks to be installed on the frame before wiring.

NOTES: dispersible power calculated according to CEI 23-49. For the perforations, use the GW52401 milling cutter. To restore the double insulation, use the relative accessories supplied (module masks and screwcaps) or the brackets for surface-mounting (GW44621). For applications in the photovoltaic environment, use the surface-mounting brackets - code GW44621.

CHARACTERISTICS: thermo-pressure with ball equal to 70°C.



GW 40 105

DISTRIBUTION BOARDS WITH PANELS WITH WINDOW AND EXTRACTABLE FRAME PREDISPOSED FOR TERMINAL BLOCK - GREY RAL 7035



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|--------------------------|--------------------------|----------------|
| GW 40 104 | 24 (12X2) | 298x420x140 | 32 | 3 |
| GW 40 105 | 36 (12x3) | 298x570x140 | 42 | 2 |
| GW 40 107 | 36 (18x2) | 410x463x140 | 43 | 2 |
| GW 40 108 | 54 (18x3) | 410x655x140 | 66 | 1 |
| GW 40 109 | 72 (18x4) | 410x878x160 | 89 | 1 |

ACCESSORIES SUPPLIED: screwcaps and module masks, circuit labels. Self-adhesive label to be filled out for certification according to standard CEI 23-51.

NOTES: Dispersible power calculated according to CEI 23-49. For the perforations, use the GW52401 milling cutter.

To restore the double insulation, use the relative accessories supplied (module masks and screwcaps) or the brackets for surface-mounting (GW44621).

For applications in the photovoltaic environment, use the surface-mounting brackets - code GW44621.

CHARACTERISTICS: removable and plumbable panels with windows. Thermo-pressure with ball equal to 70°C.

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF SURFACE-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CD range.



GW 40 105 BD

DISTRIBUTION BOARDS WITH WINDOWED REMOVABLE PANELS, EXTRACTABLE FRAME EQUIPPED WITH 80 A IP20 BIPOLAR SCREW TERMINAL BLOCKS - GREY RAL 7035



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pole 1 (mm ²) | Pole 2 (mm ²) | Pack Carton |
|--------------|----------------------------|--------------------------|--------------------------|------------------------------|------------------------------|----------------|
| GW 40 104 BS | 24 (12X2) | 298x420x140 | 32 | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | 3 |
| GW 40 104 BD | 24 (12X2) | 298x420x140 | 32 | N/E 2x[(3x16) + (11x10)] | N/E 2x[(3x16) + (11x10)] | 3 |
| GW 40 105 BD | 36 (12x3) | 298x570x140 | 42 | N/E 2x[(3x16) + (11x10)] | N/E 2x[(3x16) + (11x10)] | 2 |
| GW 40 105 UD | 36 (12x3) | 298x570x140 | 42 | N/E (3x16) + (29x10) | N/E (3x16) + (29x10) | 2 |
| GW 40 107 BS | 36 (18x2) | 410x463x140 | 43 | N/E (3x16) + (17x10) | N/E (3x16) + (17x10) | 2 |
| GW 40 107 BD | 36 (18x2) | 410x463x140 | 43 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 2 |
| GW 40 108 BD | 54 (18x3) | 410x655x140 | 66 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 1 |
| GW 40 108 BT | 54 (18x3) | 410x655x140 | 66 | N/E 3x[(3x16) + (17x10)] | N/E 3x[(3x16) + (17x10)] | 1 |
| GW 40 109 BD | 72 (18x4) | 410x878x160 | 89 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 1 |
| GW 40 109 BQ | 72 (18x4) | 410x878x160 | 89 | N/E 4x[(3x16) + (17x10)] | N/E 4x[(3x16) + (17x10)] | 1 |

ACCESSORIES SUPPLIED: screwcaps and module masks, circuit labels. Self-adhesive label to be filled out for certification according to standard CEI 23-51. Insulated bipolar screw 80A - IP20 terminal blocks to be installed on the frame before wiring.

NOTES: dispersible power calculated according to CEI 23-49. For the perforations, use the GW52401 milling cutter. To restore the double insulation, use the relative accessories supplied (module masks and screwcaps) or the brackets for surface-mounting (GW44621). For applications in the photovoltaic environment, use the surface-mounting brackets - code GW44621.

CHARACTERISTICS: thermo-pressure with ball equal to 70°C.

40 CD - WATERTIGHT ENCLOSURES - IP55

INSTALLATION

min -25°C max +60°C

IK09

IP55

EN 60529

GWT 650°C

EN 60695-2-11

CLASS II



EN 61140

SMOKED TRANSPARENT DOOR - WALLS WITH PERFORATION CENTRES



GW 40 001

ENCLOSURES PREDISPOSED FOR TERMINAL BLOCK - GREY RAL 7035

|  EN 60754-2 | |  EN 62206 | | | |
|---|----------------------------|---|--------------------------|----------------|--|
| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton | |
| GW 40 001 | 4 | 105x170x98 | 12 | 24 | |
| GW 40 003 | 8 | 180x180x98 | 13 | 24 | |
| GW 40 005 | 12 | 250x250x135 | 25 | 8 | |
| GW 40 007 | 24 (12x2) | 250x375x135 | 27 | 6 | |
| GW 40 009 | 36 (18x2) | 376x400x135 | 41 | 4 | |

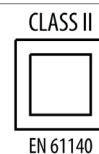
ACCESSORIES SUPPLIED: screwcaps and module masks, circuit labels, spare screws in insulating material.
Self-adhesive label to be filled out for certification according to standard CEI 23-51.
GW40005, GW40007, GW40009: doors equipped with lock, with 2 triangular keys.

NOTES: Dispersible power calculated according to CEI 23-49. For the perforations, use the GW52401 milling cutter.
To restore the double insulation, use the relative accessories supplied (module masks and screwcaps) or the brackets for surface-mounting (GW44621).
For applications in the photovoltaic environment, use the surface-mounting brackets - code GW44621.

CHARACTERISTICS: Thermo-pressure with ball equal to 70°C.

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF SURFACE-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CD range.

40 CD - PROTECTED DECORATIVE ENCLOSURES - IP40



SMOKED TRANSPARENT DOOR - SMOOTH WALLS



GW 40 043

ENCLOSURES PREDISPOSED FOR TERMINAL BLOCK - WHITE RAL 9016



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|--------------------------|--------------------------|----------------|
| GW 40 043 | 8 | 200x180x100 | 15 | 14 |
| GW 40 045 | 12 | 280x225x100 | 22 | 9 |
| GW 40 047 | 24 (12X2) | 280x350x100 | 25 | 6 |
| GW 40 049 | 36 (18x2) | 400x400x130 | 45 | 2 |
| GW 40 051 | 54 (18x3) | 400x550x130 | 63 | 2 |
| GW 40 053 | 72 (18x4) | 400x850x150 | 75 | 1 |

ACCESSORIES SUPPLIED: module masks, circuit labels. Self-adhesive label to be filled out for certification according to standard CEI 23-51.

GW40043, GW40051, GW40053, fitted with removable frame, to carry out the wiring operations outside the enclosure.

NOTES: Dispersible power calculated according to CEI 23-49. For the perforations, use the GW52401 milling cutter.

To restore the double insulation, use the relative accessories supplied (module masks and screwcaps or brackets for surface-mounting).

CHARACTERISTICS: Thermo-pressure with ball equal to 70°C.

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF SURFACE-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CD range.



GW 40 043 BS

ENCLOSURES EQUIPPED WITH 80 A IP20 BIPOLAR SCREW TERMINAL BLOCKS - WHITE RAL 9016

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pole 1 (mm²) | Pole 2 (mm²) | Pack Carton |
|--------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------|
| GW 40 043 BS | 8 | 200x180x100 | 15 | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | 14 |
| GW 40 045 BS | 12 | 280x225x100 | 22 | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | 9 |
| GW 40 047 BS | 24 (12X2) | 280x350x100 | 25 | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | 6 |
| GW 40 047 BD | 24 (12X2) | 280x350x100 | 25 | N/E 2x[(3x16) + (11x10)] | N/E 2x[(3x16) + (11x10)] | 6 |
| GW 40 049 BS | 36 (18x2) | 400x400x130 | 45 | N/E (3x16) + (17x10) | N/E (3x16) + (17x10) | 2 |
| GW 40 049 BD | 36 (18x2) | 400x400x130 | 45 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 2 |
| GW 40 051 BD | 54 (18x3) | 400x550x130 | 63 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 2 |
| GW 40 053 BD | 72 (18x4) | 400x850x150 | 75 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 1 |
| GW 40 053 BQ | 72 (18x4) | 400x850x150 | 75 | N/E 4x[(3x16) + (17x10)] | N/E 4x[(3x16) + (17x10)] | 1 |

ACCESSORIES SUPPLIED: module masks, circuit labels. Self-adhesive label to be filled out for certification according to standard CEI 23-51. GW40049BS, GW40049BD, GW40051BD, GW40053BD, GW40053BQ, fitted with removable frame, to carry out the wiring operations outside the enclosure. Insulated bipolar screw 80A - IP20 terminal blocks to be installed on the frame before wiring.

NOTES: Dispersible power calculated according to CEI 23-49. For the perforations, use the GW52401 milling cutter. To restore the double insulation, use the relative accessories supplied (module masks and screwcaps or brackets for surface-mounting).

CHARACTERISTICS: thermo-pressure with ball equal to 70°C.

BLANK DOOR - SMOOTH WALLS



GW 40 067

ENCLOSURES PREDISPOSED FOR TERMINAL BLOCK - WHITE RAL 9016



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|--------------------------|--------------------------|----------------|
| GW 40 063 | 8 | 200x180x100 | 15 | 14 |
| GW 40 065 | 12 | 280x225x100 | 22 | 9 |
| GW 40 067 | 24 (12X2) | 280x350x100 | 25 | 6 |
| GW 40 069 | 36 (18x2) | 400x400x130 | 45 | 2 |
| GW 40 071 | 54 (18x3) | 400x550x130 | 63 | 2 |
| GW 40 073 | 72 (18x4) | 400x850x150 | 75 | 1 |

ACCESSORIES SUPPLIED: module masks, circuit labels. Self-adhesive label to be filled out for certification according to standard CEI 23-51. GW40069, GW40071, GW40073, fitted with removable frame, to carry out the wiring operations outside the enclosure.

NOTES: Dispersible power calculated according to CEI 23-49. For the perforations, use the GW52401 milling cutter. To restore the double insulation, use the relative accessories supplied (module masks and screwcaps or brackets for surface-mounting).

CHARACTERISTICS: thermo-pressure with ball equal to 70°C.

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF SURFACE-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CD range.



GW 40 067 BD

ENCLOSURES EQUIPPED WITH 80A IP20 BIPOLAR SCREW TERMINAL BLOCKS - WHITE RAL 9016

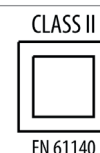
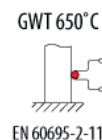
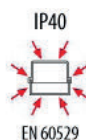
| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pole 1 (mm²) | Pole 2 (mm²) | Pack Carton |
|--------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------|
| GW 40 063 BS | 8 | 200x180x100 | 15 | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | 14 |
| GW 40 065 BS | 12 | 280x225x100 | 22 | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | 9 |
| GW 40 067 BS | 24 (12X2) | 280x350x100 | 25 | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | 6 |
| GW 40 067 BD | 24 (12X2) | 280x350x100 | 25 | N/E 2x[(3x16) + (11x10)] | N/E 2x[(3x16) + (11x10)] | 6 |
| GW 40 069 BS | 36 (18x2) | 400x400x130 | 45 | N/E (3x16) + (17x10) | N/E (3x16) + (17x10) | 2 |
| GW 40 069 BD | 36 (18x2) | 400x400x130 | 45 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 2 |
| GW 40 071 BD | 54 (18x3) | 400x550x130 | 63 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 2 |
| GW 40 073 BD | 72 (18x4) | 400x850x150 | 75 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 1 |
| GW 40 073 BQ | 72 (18x4) | 400x850x150 | 75 | N/E 4x[(3x16) + (17x10)] | N/E 4x[(3x16) + (17x10)] | 1 |

ACCESSORIES SUPPLIED: module masks, circuit labels. Self-adhesive label to be filled out for certification according to standard CEI 23-51. GW40069BS, GW40069BD, GW40071BD, GW40073BD, GW40073BQ fitted with removable frame, to carry out the wiring operations outside the enclosure. Insulated bipolar screw 80A - IP20 terminal blocks to be installed on the frame) before wiring.

NOTES: dispersible power calculated according to CEI 23-49. For the perforations, use the GW52401 milling cutter. To restore the double insulation, use the relative accessories supplied (module masks and screwcaps or brackets for surface-mounting).

CHARACTERISTICS: thermo-pressure with ball equal to 70°C.

40 CD - PROTECTED ENCLOSURES - IP40



WITHOUT DOOR - WALLS WITH PERFORATION CENTRES



GW 40 022

ENCLOSURES PRE-ARRANGED FOR TERMINAL BLOCK - GREY RAL 7035



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|--------------------------|--------------------------|----------------|
| GW 40 022 | 2 | 45x130x85 | 7 | 84 |
| GW 40 023 | 4 | 90x130x85 | 9 | 36 |
| GW 40 024 | 6 | 140x155x85 | 14 | 34 |
| GW 40 026 | 8 | 180x180x95 | 18 | 24 |
| GW 40 028 | 12+1 | 250x215x95 | 27 | 12 |
| GW 40 030 | 24+2 (12x2) | 250x340x95 | 40 | 12 |
| GW 40 032 | 36+3 (12x3) | 250x465x95 | 54 | 9 |

CHARACTERISTICS: Thermo-pressure with ball equal to 70°C. GW40022 plumbable front.

ACCESSORIES SUPPLIED: module masks, circuit labels.

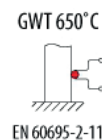
GW40026, GW40028, GW40030, GW40032 supplied with self-adhesive label to be filled out for certification according to standard CEI 23-51.

NOTES: Dispersible power calculated according to CEI 23-49. For the perforations, use the GW52401 milling cutter.

To restore the double insulation, use the relative accessories supplied (module masks and screwcaps or brackets for surface-mounting). To maintain the IP degree declared, install devices with a degree of protection of at least IP40 and use the relative accessories (module masks, screwcaps or wall mounting brackets).

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF SURFACE-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CD range.

HOME NETWORK ENCLOSURE FOR NETWORK CABLING



FOR NETWORK CABLING WITH TRANSPARENT DOOR



GW 40 391

WALL MOUNTING HOME NETWORK ENCLOSURE WITH TRANSPARENT DOOR FOR NETWORK CABLING - WHITE RAL 9016



| Code | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
|-----------|--------------------------|--------------------------|----------------|
| GW 40 391 | 410x655x140 | 50 | 1 |

CHARACTERISTICS: The product responds to the technical requirements of 164/2014 law as Apartment Signals Distribution Board; An innovative solution validated by Telecom Italia.

APPLICATIONS: the Home Networking enclosure is the central network cabling element, allowing each room to take advantage of advanced telephone and Internet services and multimedia contents. Ideal as first installation in domestic scope, tertiary and restructuring.

ACCESSORIES SUPPLIED: box bottom, frame with transparent door and support for housing of equipments and cablings distinguished by: 1 multiple electric socket-outlet (with 3 bivalent socket-outlets IT 2P+E 16 A 250 V); 1 multiple telephone socket-outlet with 5 RJ11 socket-outlets; 1 patch panel with 12 RJ45 ports; Kit with 5 telephone cords including RJ45-RJ11 plugs, cat.3, 4xAWG26 cable, L=0.5 m; kit with 4 ethernet cables UTP cat. 6 LSZH, L=0.6 m.

NOTE: Dispersible power calculated according to CEI 23-49.


COMPLEMENTARY ITEMS

INSTALLATION AND COUPLING



GW 44 621


WALL FIXING BRACKET

|  EN 60754-2 | | | | |
|---|------------|----------------------------|------------------------------------|----------------|
| Code | Material | Accessories supplied | For enclosures For dist. boards | Pack Carton |
| GW 44 621 | Insulation | Self-tapping fixing screws | All wall types | 40/480 |
| APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products. ACCESSORIES SUPPLIED: 2 fixing screws. | | | | |



GW 40 474

AESTHETIC COUPLING COVERS FOR CONDUIT AND TRUNKING ENTRY FOR CDK DISTRIBUTION BOARDS AND ENCLOSURES

|  EN 60754-2 | | | |
|---|--------------------------------|--------|----------------|
| Code | For encl. /boards with rail | Fixing | Pack Carton |
| GW 40 473 | 12 Modules | Clip | 20 |
| GW 40 474 | 18 Modules | Clip | 20 |
| CHARACTERISTICS: covers with internal knockouts for trunking from 60x30mm to 200x60mm. | | | |

WIRING



GW 40 412 B

INSULATED SCREW TERMINAL BLOCK BIPOLAR AND UNIPOLAR FOR ENCLOSURES AND BOARDS

| Code | Pole 1 (mm²) | Pole 2 (mm²) | Fastener to supports | Pack Carton |
|---|----------------------|----------------------|-------------------------|----------------|
| Type: Bipolar - Rated current 125 A | | | | |
| GW 40 401 | N (1x35) + (7x10) | E (1x35) + (7x10) | With screws | 10 |
| GW 40 402 | N (3x35) + (10x10) | E (3x35) + (10x10) | With screws and/or clip | 10 |
| GW 40 404 | N (5x35) + (14x10) | E (5x35) + (14x10) | With screws and/or clip | 10 |
| Type: Bipolar - Rated current 80 A - IP20 | | | | |
| GW 40 408 B | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | With screws | 1/10 |
| GW 40 412 B | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | With screws and/or clip | 1/10 |
| GW 40 418 B | N/E (3x16) + (17x10) | N/E (3x16) + (17x10) | With screws and/or clip | 1/10 |
| Type: Unipolar - Rated current 80 A - IP20 | | | | |
| GW 40 408 U | N/E (2x16) + (7x10) | | With screws | 1/10 |
| GW 40 412 U | N/E (3x16) + (11x10) | | With screws and/or clip | 1/10 |
| GW 40 422 U | N/E (3x16) + (29x10) | | With screws and/or clip | 1/10 |
| GW 40 418 U | N/E (3x16) + (17x10) | | With screws and/or clip | 1/10 |

ACCESSORIES SUPPLIED: fixing screws. The 80 A terminal blocks are equipped with N and E labels to be placed on the respective spaces to identify the poles.
USES: Ideal also for earth connection of SPD.
CHARACTERISTICS: GWT 960°C according to EN60695-2-11.
INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF SURFACE-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CD range.



GW 40 413

ADAPTERS FOR SCREW TERMINAL BLOCKS

| Code | For enclosures | Fastener to supports | Pack Carton |
|-----------|---|----------------------|----------------|
| GW 40 413 | 12 M (and multiples) and 18 M (and multiples) | With screws | 20 |

ACCESSORIES SUPPLIED: fixing screws.
CHARACTERISTICS: the adapter is pre-drilled for the correct assembly of the terminal block and pre-cut to allow installation also in enclosures with a 12 M modular step.
INSTALLATION: used to expand the number of possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF SURFACE-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CD range.



GW 40 488

INTERNAL HORIZONTAL DIVIDERS FOR CDK DISTRIBUTION BOARDS

| <div><div>HF</div><div>EN 60754-2</div></div> | | | |
|---|-----------------------------|--------|----------------|
| Code | For boards EN 50022 rail | Fixing | Pack Carton |
| GW 40 487 | 12 Modules | Clip | 10/100 |
| GW 40 488 | 18 Modules | Clip | 10/100 |

NOTES: they permit making internal separation between the circuits having different voltages located on more than one row inside the same shell.



GW 40 493

BLANK COVER PANELS 1 MODULE HIGH FOR CDK DISTRIBUTION BOARDS

| <div><div>HF</div><div>EN 60754-2</div></div> | | | | |
|---|--|-----------------------------|---------------|----------------|
| Code | Suitable for | For boards EN 50022 rail | Colour | Pack Carton |
| GW 40 492 | CDK enclosures and boards decorative (Surface-moun | 12 Modules | Grey RAL 7035 | 20 |
| GW 40 493 | CDK enclosures and boards decorative (Surface-moun | 18 Modules | Grey RAL 7035 | 20 |

CHARACTERISTICS: sealing.

MISCELLANEOUS



GW 40 421

SECURITY TRIANGULAR KEY



| Code | For enclosures | Material | Pack Carton |
|-----------|-----------------------|------------|-------------|
| GW 40 421 | 40 CD Watertight IP55 | Insulation | 10/100 |



GW 40 422

CYLINDRICAL SECURITY LOCK - FOR 40 CDK AND 40 CD DECORATIVE ENCLOSURES

| Code | Material | Pack Carton |
|-----------|-------------------------|-------------|
| GW 40 422 | Pressure die-cast metal | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



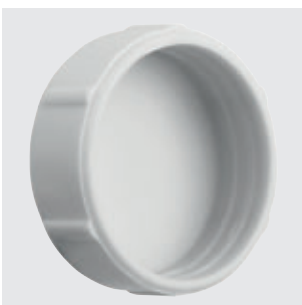
GW 40 467

PLASTIC MODULE COVER PROFILE



| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-----------|-------------------------|----------------|-------------|
| GW 40 467 | 4.5 | White RAL 9016 | 50 |
| GW 40 423 | 4.5 | Grey RAL 7035 | 50 |

CHARACTERISTICS: clip fixing.



GW 44 623

INSULATING SCREW CAPS



| Code | Description | Pack Carton |
|-----------|----------------|-------------|
| GW 44 623 | Screwcap Ø25mm | 10/100 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.

SERVICE COMPLEMENTARY ITEMS FOR HOME NETWORK ENCLOSURES



GW 38 097

DATA EXPANSION KIT

| Code | Description | Pack Carton |
|-----------|--|-------------|
| GW 38 097 | N°1 cable with RJ45 ending plugs + RJ45 panel socket | 1/6 |



GW 38 098

TELEPHONE JACK EXPANSION KIT

| Code | Description | Pack Carton |
|-----------|---|-------------|
| GW 38 098 | RJ11 telephone socket and telephone cable | 1 |

ACCESSORIES SUPPLIED: 1 multiple telephone socket-outlet with 5 RJ11 socket-outlets.



GW 38 099

PLASTIC SUPPORTS EXPANSION KIT

| Code | Description | Pack Carton |
|-----------|---|-------------|
| GW 38 099 | DIN rail plastic support for RJ45 sockets | 1/6 |

40 CD



40 CDK - WATERTIGHT ENCLOSURES AND BOARDS



IP65 40 CDK range of watertight enclosures from 4 to 72M with smoked transparent door. The main technical features are: reversible front and back panel, removable frames and panels with windows and detachable doors with up to 180° opening and with lock accessory.

40 CD - PROTECTED DECORATIVE ENCLOSURES



The 40 CD IP40 protected decorative enclosures are available in sizes from 8 to 72M, provide superior aesthetic integration with any type of furniture. Available with smoked transparent or white blank doors characterized by the "PUSH" opening and closing.

TWO-POLE AND ONE-POLE TERMINAL BLOCKS - IP20



Available with screw wiring, the two-pole and single-pole terminal blocks allow to create simple and neat wiring reducing the set-up time of the enclosure. They can be fixed directly on the back plate of enclosures or via adapter.

40 CDK - MODULAR WATERTIGHT ENCLOSURES AND DISTRIBUTION BOARDS - IP65

| TECHNICAL CHARACTERISTICS | |
|---|---|
| Standard: IEC EN 60670-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*). | Rated current: 125A |
| Suitable for assemblies in compliance with IEC EN 61439-1 and IEC EN 61439-3 | Material: technopolymer GW PLAST. |
| Degree of protection: IP65 | Enclosures predisposed for terminal blocks: halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) |
| Protection against indirect contact: double insulation - □ (•) | Impact resistance: IK 09 |
| Installation temperature: max. +60°C; min. -25°C | Heat resistance: thermo-pressure with ball 70°C |
| Rated voltage: 400V | Resistance to abnormal heat and fire: Glow wire test 650°C |
| Rated insulation voltage: 1000V in accordance to EN 62208 (both cc and dc) | |
| (*) Complete insulation in accordance with EN 61140 Standard, obtainable with screwcaps (GW 44 623) or resin fixing brackets (GW 44 621). | |
| (*) Enclosure type: GP (CEI 23-51) and PD | |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

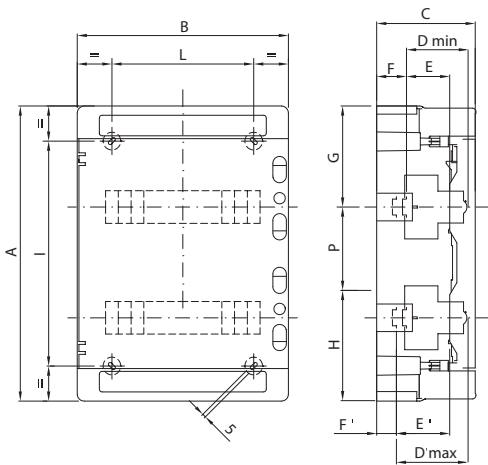
Dimension tables

ENCLOSURES

The diagram illustrates the dimensions of a 40 CD enclosure. The front view (left) shows a rectangular unit with a central dashed rectangle. Dimensions include: A (total height), I (height of the top and bottom flanges), B (total width), L (width of the central opening), and S (diagonal dimension of the central opening). The side view (right) shows the profile of the enclosure with dimensions: C (total depth), D min (minimum depth of the central opening), F (depth of the top flange), E (depth of the central opening), G (height of the main body), H (height of the base), F' (depth of the base flange), E' (depth of the base opening), and D max (maximum depth of the base).

| | Code | Overall dimensions | | | Modular assembly | | | | | | | Fixing | | | |
|-----|---------------------------|--------------------|-----|-----|------------------|----|----|-------|-------|-------|----|--------|----|-----|-----|
| | | A | B | C | D min | E | F | G | H | D'max | E' | F' | NR | I | L |
| 4 M | GW 40 101 | 210 | 143 | 100 | 75 | 48 | 15 | 105 | 105 | - | - | - | 3 | 156 | 67 |
| 8M | GW 40 102 GW 40 102 BS | 210 | 215 | 100 | 75 | 48 | 15 | 105 | 105 | - | - | - | 4 | 110 | 115 |
| 12M | GW 40 103 GW 40 103 BS | 260 | 298 | 140 | 75 | 48 | 48 | 117.5 | 142.5 | 102 | 75 | 21 | 4 | 161 | 200 |
| 18M | GW 40 106 GW 40 106 BS | 285 | 410 | 140 | 75 | 48 | 48 | 117.5 | 142.5 | 102 | 75 | 21 | 4 | 185 | 310 |

DISTRIBUTION BOARDS



| | Code | Overall dimensions | | | Modular assembly | | | | | | | | | Fixing | | |
|-----|---|--------------------|------------|------------|------------------|----------|----------|--------------|--------------|------------|------------|----------|----------|--------|------------|------------|
| | | A | B | C | D min | E | F | G | H | P | D'max | E' | F' | NR | I | L |
| 24M | GW 40 104 GW 40 104 BS GW 40 104 BD | 420 | 298 | 140 | 75 | 48 | 48 | 147.5 | 122.5 | 150 | 102 | 75 | 21 | 4 | 320 | 200 |
| 36M | GW 40 105 | 570 463 | 298 410 | 140 140 | 75 75 | 48 48 | 48 48 | 147.5 154 | 122.5 134 | 150 175 | 102 102 | 75 75 | 21 21 | 4 4 | 494 363 | 200 310 |
| | GW 40 105 BD | | | | | | | | | | | | | | | |
| | GW 40 105 UD | | | | | | | | | | | | | | | |
| | GW40107 | | | | | | | | | | | | | | | |
| | GW40107BS GW40107BD | | | | | | | | | | | | | | | |
| 54M | GW 40 108 GW 40 108 BD GW 40 108 BT | 655 | 410 | 140 | 75 | 48 | 48 | 162.5 | 142.5 | 175 | 102 | 75 | 21 | 6 | 293 | 319 |
| 72M | GW 40 109 GW 40 109 BD GW 40 109 BQ | 878 | 410 | 160 | 75 | 48 | 48 | 175 | 155 | 200 175 | 102 | 75 | 21 | 6 | 394 | 319 |

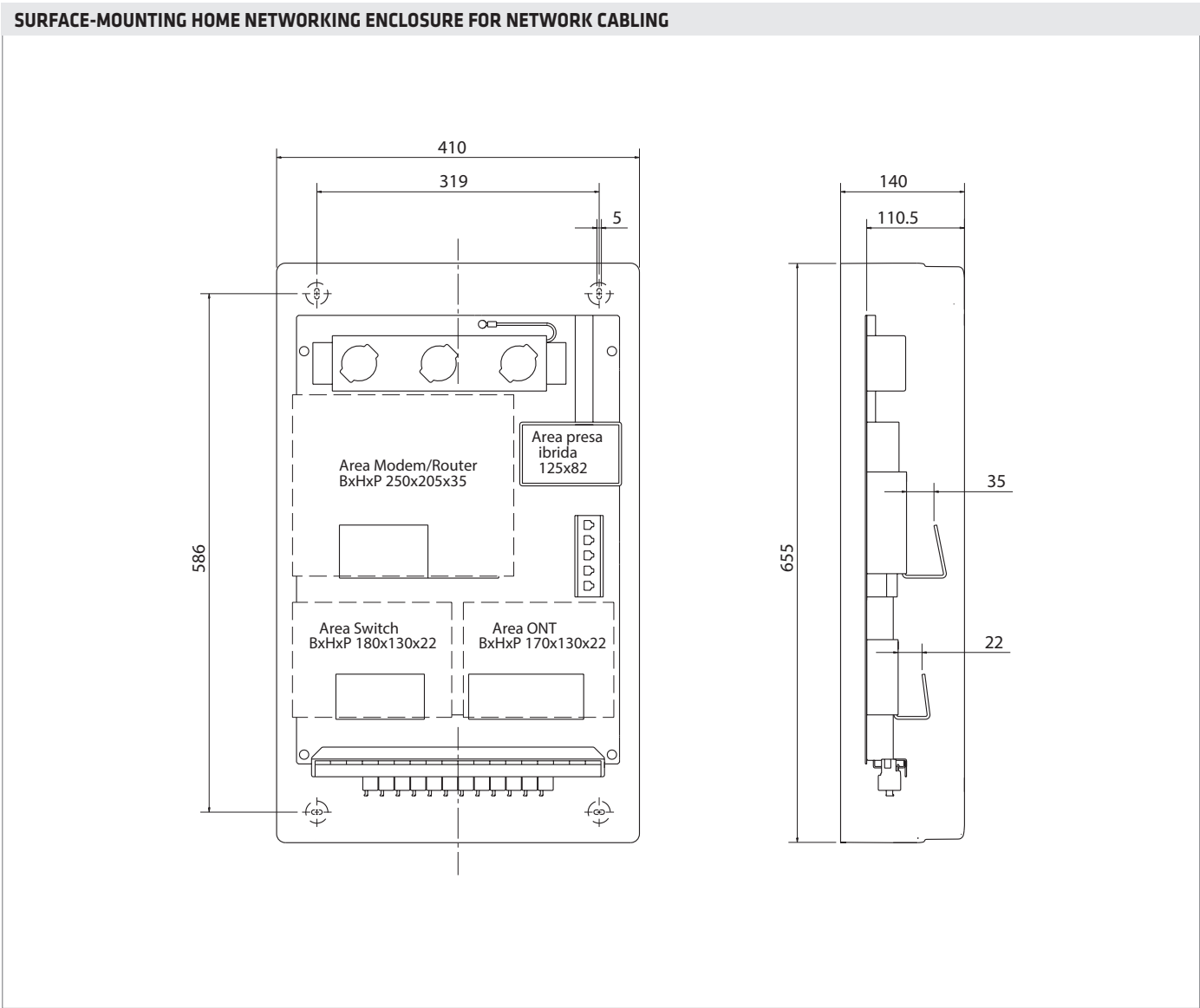
SURFACE-MOUNTING HOME NETWORKING ENCLOSURE

| TECHNICAL CHARACTERISTICS | |
|--|--|
| Technical specifications and reference standards: ST0AEAD02362 (TIM specific); IEC EN 606070-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*); CEI 23-50 | Material: Halogen-free technopolymer, in compliance with EN 60754-2 (CEI EN 50267-2-2) |
| Degree of protection: IP65 with door closed | Installation temp.: max. +60°C, min. -15°C |
| Degree of impact resistance: IK08, in compliance with EN 62262; | Resistance to heat thermo-pressure with ball: 70°C |
| Rated voltage: 250V | Resistance to abnormal heat and fire: Glow wire test 650°C |
| Max power loss: 50W | Installation: surface-mounting |

(*) Type of casing: GP (CEI 23-51) and PD

| BEHAVIOUR WITH ATMOSPHERIC AND CHEMICAL AGENTS | | | | | | | | | | |
|--|---------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables



40 CD - WATERTIGHT ENCLOSURES - IP55

TECHNICAL CHARACTERISTICS

Standard: IEC 60670-1; IEC 60670-24; EN 60670-1; EN 60670-24

Degree of protection: IP55

Protection against indirect contact: double insulation - □ (•)

Installation temperature: max. +60°C; min. -25°C

Rated voltage: 400V

Rated insulation voltage: 1000 V in accordance to EN 62208 (both cc and dc)

Rated current: 125A

Material: technopolymer GW PLAST,
halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2).

Impact resistance: IK 09

Heat resistance: thermo-pressure with ball 70°C

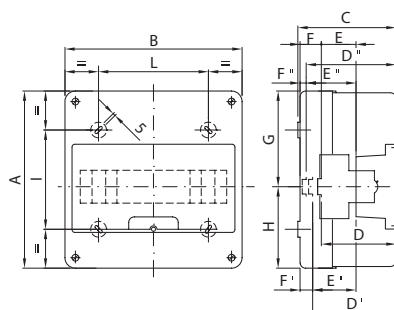
Resistance to abnormal heat and fire: Glow wire test 650°C

(•) Complete insulation in accordance with EN 61140 Standard, obtainable with screwcaps (GW 44 623) or resin fixing brackets (GW 44 621).

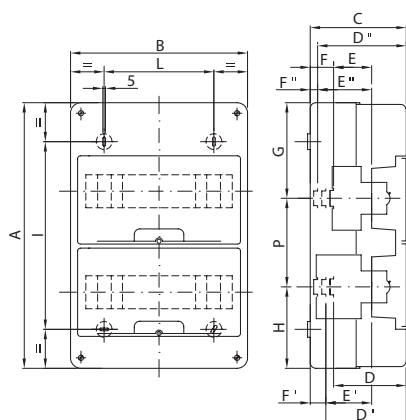
BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|-----------|
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Resistant |

ENCLOSURES



| | Code | Overall dimensions | | | Modular assembly | | | | | | | | | | | Fixing | | |
|-----|-----------|--------------------|-----|-------|------------------|------|------|-----|-----|-----|----|----|-------|------|------|--------|-----|-----|
| | | A | B | C | D | E | F | G | H | D' | E' | F' | D'' | E'' | F'' | NR | I | L |
| 4M | GW 40 001 | 170 | 105 | 98 | 74 | 48.5 | 17.5 | 85 | 85 | - | - | - | - | - | - | 2 | 115 | - |
| 8M | GW 40 003 | 180 | 180 | 98 | 74 | 48.5 | 17.5 | 95 | 85 | - | - | - | - | - | - | 3 | 110 | 110 |
| 12M | GW 40 005 | 250 | 250 | 135.5 | 96 | 47 | 32 | 135 | 115 | 106 | 57 | 22 | 117.5 | 68.5 | 10.5 | 4 | 140 | 155 |



| | Code | Overall dimensions | | | Modular assembly | | | | | | | | | | | | Fixing | | |
|-----|-----------|--------------------|-----|-------|------------------|----|----|-----|-----|-----|-----|----|----|-------|------|------|--------|-----|-----|
| | | A | B | C | D | E | F | G | H | P | D' | E' | F' | D'' | E'' | F'' | NR | I | L |
| 24M | GW 40 007 | 375 | 250 | 135.5 | 96 | 47 | 32 | 135 | 115 | 125 | 106 | 57 | 22 | 117.5 | 68.5 | 10.5 | 4 | 265 | 155 |
| 36M | GW 40 009 | 400 | 376 | 135.5 | 96 | 47 | 32 | 135 | 115 | 150 | 106 | 57 | 22 | 117.5 | 68.5 | 10.5 | 4 | 320 | 295 |

40 CD - PROTECTED DECORATIVE ENCLOSURES - IP40

| TECHNICAL CHARACTERISTICS | |
|--|--|
| Standard: IEC EN 60670-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*). | Material: technopolymer GW PLAST. |
| Suitable for assemblies in compliance with IEC EN 61439-1 and IEC EN 61439-3 | Enclosures predisposed for terminal blocks: halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2). |
| Degree of protection: IP40 | Impact resistance: IK 08 |
| Protection against indirect contact: double insulation - □ (•) | Heat resistance: thermo-pressure with ball 70°C |
| Installation temperature: max. +60°C; min. -25°C | Resistance to abnormal heat and fire: Glow wire test 650°C |
| Rated voltage: 400V | Application: Indoor |
| Rated insulation voltage: 750V | |
| Rated current: 125A | |

(•) Complete insulation in accordance with EN 61140 Standard, obtainable with screwcaps (GW 44 623) or resin fixing brackets (GW 44 621).
(*) Enclosure type: GP (CEI 23-51) and PD

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

ENCLOSURES

Technical drawing of enclosure 8M and 12M. The drawing shows two views: a front view and a side view. The front view shows a rectangular enclosure with dimensions A (height), B (width), L (length), and S (diagonal). The side view shows dimensions C (width), F (height), G (height), H (height), E (width), and D (width).

| | Code | Overall dimensions | | | Modular assembly | | | | | Fixing | | |
|-----|--------------|--------------------|-----|-----|------------------|----|------|-------|-------|--------|-----|-----|
| | | A | B | C | D | E | F | G | H | NR | I | L |
| 8M | GW 40 043 | 180 | 200 | 100 | 77 | 47 | 11.5 | 90 | 90 | 3 | 82 | 100 |
| | GW 40 043 BS | | | | | | | | | | | |
| | GW 40 063 | | | | | | | | | | | |
| | GW 40 063 BS | | | | | | | | | | | |
| 12M | GW 40 045 | 225 | 280 | 100 | 77 | 47 | 11.5 | 112.5 | 112.5 | 4 | 107 | 180 |
| | GW 40 045 BS | | | | | | | | | | | |
| | GW 40 065 | | | | | | | | | | | |
| | GW 40 065 BS | | | | | | | | | | | |

Technical drawing of enclosure 24M, 36M, 54M, and 72M. The drawing shows two views: a front view and a side view. The front view shows a rectangular enclosure with dimensions A (height), B (width), L (length), and S (diagonal). The side view shows dimensions C (width), F (height), G (height), H (height), P (height), E (width), and D (width).

| | Code | Overall dimensions | | | Modular assembly | | | | | | | | Fixing | | | |
|-----|--------------|--------------------|-----|-----|------------------|----|------|-------|-------|------------|-------|----|--------|----|------------|-----|
| | | A | B | C | D | E | F | G | H | P | D' | E' | F' | NR | I | L |
| 24M | GW 40 047 | 350 | 280 | 100 | 77 | 47 | 11.5 | 112.5 | 112.5 | 125 | - | - | - | 4 | 232 | 180 |
| | GW 40 047 BS | | | | | | | | | | | | | | | |
| | GW 40 047 BD | | | | | | | | | | | | | | | |
| | GW 40 067 | | | | | | | | | | | | | | | |
| | GW 40 067 BS | | | | | | | | | | | | | | | |
| 36M | GW 40 049 | 400 | 400 | 130 | 76 | 48 | 37 | 125 | 125 | 150 | 102.5 | 74 | 10.5 | 4 | 282 | 300 |
| | GW 40 049 BS | | | | | | | | | | | | | | | |
| | GW 40 049 BD | | | | | | | | | | | | | | | |
| | GW 40 069 | | | | | | | | | | | | | | | |
| | GW 40 069 BS | | | | | | | | | | | | | | | |
| 54M | GW 40 051 | 550 | 400 | 130 | 76 | 48 | 37 | 125 | 125 | 150 | 102.5 | 74 | 10.5 | 4 | 432 | 300 |
| | GW 40 051 BD | | | | | | | | | | | | | | | |
| | GW 40 071 | | | | | | | | | | | | | | | |
| | GW 40 071 BD | | | | | | | | | | | | | | | |
| | GW 40 053 | | | | | | | | | | | | | | | |
| 72M | GW 40 053 BD | 850 | 400 | 150 | 76 | 48 | 57 | 187.5 | 187.5 | 150 175 | 102.5 | 74 | 30.5 | 6 | 303 303 | 300 |
| | GW 40 053 BQ | | | | | | | | | | | | | | | |
| | GW 40 073 | | | | | | | | | | | | | | | |
| | GW 40 073 BD | | | | | | | | | | | | | | | |
| | GW 40 073 BQ | | | | | | | | | | | | | | | |

40 CD - PROTECTED ENCLOSURES - IP40

TECHNICAL CHARACTERISTICS

Standard: IEC 60670-1; IEC 60670-24; EN 60670-1; EN 60670-24

Degree of protection: IP40

Protection against indirect contact: double insulation - □ (•)

Installation temperature: max. +60°C; min. -15°C

Rated voltage: 400V

Rated insulation voltage: 750V

Rated current: 125A

Material: technopolymer GW PLAST, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2)

Impact resistance: IK 08

Heat resistance: thermo-pressure with ball 70°C

Resistance to abnormal heat and fire: Glow wire test 650°C

(•) Complete insulation, in accordance with EN 61140 Standard, obtainable with screwcaps (GW 44 623) or resin fixing brackets (GW 44 621).

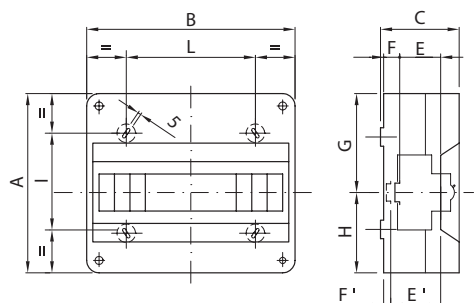
Note: to maintain the declared IP rating, install devices with a degree of protection of at least IP40 and use the relative accessories (module masks, screwcaps or wall-fixing brackets).

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

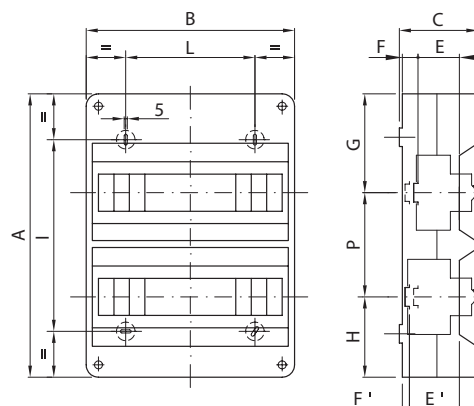
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------|---------------|-----------|--------------------|--------------------|-----------|---------------|---------------|--------------------|--------------------|--------------------|
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Resistant | Limited resistance | Limited resistance | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

ENCLOSURES



| Code | Overall dimensions | | | Modular assembly | | | | | | Fixing | | |
|---------------|--------------------|-----|----|------------------|------|-----|-----|----|----|--------|-----|-----|
| | A | B | C | E | F | G | H | E' | F' | NR | I | L |
| 2M GW 40 022 | 130 | 45 | 85 | 48 | 14.5 | 65 | 65 | - | - | 2 | 80 | - |
| 4M GW 40 023 | 130 | 90 | 85 | 48 | 14.5 | 65 | 65 | - | - | 2 | 90 | - |
| 6M GW 40 024 | 155 | 140 | 85 | 48 | 14.5 | 85 | 70 | - | - | 3 | 90 | 74 |
| 8M GW 40 026 | 180 | 180 | 95 | 48 | 23 | 97 | 83 | 58 | 13 | 3 | 110 | 110 |
| 12M GW 40 028 | 215 | 250 | 95 | 48 | 23 | 115 | 100 | 58 | 13 | 4 | 120 | 155 |



| | Code | Overall dimensions | | | Modular assembly | | | | | | | Fixing | | |
|-----|-----------|--------------------|-----|----|------------------|----|-----|-----|-----|----|----|--------|-----|-----|
| | | A | B | C | E | F | G | H | P | E' | F' | NR | I | L |
| 2M | GW 40 030 | 340 | 250 | 95 | 48 | 23 | 115 | 100 | 125 | 58 | 13 | 4 | 230 | 155 |
| 36M | GW 40 032 | 465 | 250 | 95 | 48 | 23 | 115 | 100 | 125 | 58 | 13 | 4 | 355 | 155 |

40 CDe

Enclosures and distribution boards for specific standards

The range of enclosures and distribution boards for specific country standards: 40CD French standard enclosures (IP30) also comprising the Home Networking Enclosure VDI; German standard enclosures comprising 40CDK - IP65 watertight with flanges for the quick introduction of cables, and 40CDe IP40 enclosures for home surface-mounting, brickwork flush-mounting and plasterboard flush-mounting. Completing the range are the Spanish standard enclosures 40CDe - IP40 with blank and transparent door and without door.



Technical characteristics page 1284

40 CDE - SPANISH STANDARD SURFACE-MOUNTING AND FLUSH-MOUNTING ENCLOSURES

WALL-MOUNTING ENCLOSURES WITHOUT DOOR - IP40



GW 40 340

ENCLOSURES TO HOUSE ICP POWER LIMITING CIRCUIT BREAKER - WITHOUT DOOR SEALABLE - IN=40A - GREY RAL 7035

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | R.U. 1407-D Classifications | Pack Carton |
|-----------|----------------------------|--------------------------|--------------------------------|----------------|
| GW 40 340 | 4 | 120x195x76 | CS-ICP32 | 30 |

ACCESSORIES SUPPLIED: service labels.

FLUSH-MOUNTING ENCLOSURES WITHOUT DOOR - IP40



GW 40 331

DISTRIBUTION BOARDS TO HOUSE ICP POWER LIMITING CIRCUIT BREAKER SEALABLE - IN=40A - WHITE RAL 9016

| Code | No. EN 50022 mod. ICP sect. | N. EN 50022 mod. CB section | Outer dim. LxHxD (mm) | R.U. 1407-D Classifications | Pack Carton |
|-----------|--------------------------------|--------------------------------|--------------------------|--------------------------------|----------------|
| GW 40 331 | 4 | 8 | 305x195x75 | CCE-ICP32 | 10 |
| GW 40 332 | 4 | 12 | 372x195x75 | CCE-ICP32 | 10 |

ACCESSORIES SUPPLIED: service labels.

FLUSH-MOUNTING ENCLOSURES WITH DOOR - IP40



GW 40 336

DISTRIBUTION BOARDS TO HOUSE ICP POWER LIMITING CIRCUIT BREAKER SEALABLE - IN=40A - SMOKED TRANSPARENT DOOR

| Code | No. EN 50022 mod. ICP sect. | N. EN 50022 mod. CB section | Outer dim. LxHxD (mm) | R.U. 1407-D Classifications | Pack Carton |
|--|-----------------------------|-----------------------------|-----------------------|-----------------------------|-------------|
| Door colour: Smoked Transparent | | | | | |
| GW 40 336 | 4 | 8 | 329x225x75 | CCE-ICP32 | 10 |
| GW 40 337 | 4 | 12 | 400x225x75 | CCE-ICP32 | 6 |

ACCESSORIES SUPPLIED: service labels.



GW 40 338

DISTRIBUTION BOARDS TO HOUSE ICP POWER LIMITING CIRCUIT BREAKER SEALABLE - IN=40A - BLANK DOOR

| Code | No. EN 50022 mod. ICP sect. | N. EN 50022 mod. CB section | Outer dim. LxHxD (mm) | R.U. 1407-D Classifications | Pack Carton |
|---------------------------|-----------------------------|-----------------------------|-----------------------|-----------------------------|-------------|
| Door colour: Blank | | | | | |
| GW 40 338 | 4 | 8 | 329x225x75 | CCE-ICP32 | 10 |
| GW 40 339 | 4 | 12 | 400x225x75 | CCE-ICP32 | 6 |

ACCESSORIES SUPPLIED: service labels.

40 CDKE - GERMAN STANDARD SURFACE-MOUNTING ENCLOSURES AND BOARDS

ENCLOSURES WITH SMOKED TRANSPARENT DOOR - IP65



GW 40 101

ENCLOSURES AND DISTRIBUTION BOARDS FITTED WITH BIPOLAR 125 A TERMINAL BLOCKS

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Pole 1 (mm²) | Pole 2 (mm²) | Pack Carton |
|-----------|----------------------------|--------------------------|--------------------|--------------------|----------------|
| GW 40 112 | 8 | 215x210x100 | N (1x25) + (7x10) | E (1x25) + (7x10) | 1/12 |
| GW 40 116 | 18 | 410x285x140 | N (5x25) + (14x10) | E (5x25) + (14x10) | 1/3 |



GW 40 119

ENCLOSURES AND DISTRIBUTION BOARDS FITTED WITH BIPOLAR 125 A TERMINAL BLOCKS

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Pole 1 (mm²) | Pole 2 (mm²) | Pack Carton |
|-----------|----------------------------|--------------------------|-------------------|-------------------|----------------|
| GW 40 117 | 36 (18x2) | 410x463x140 | N (10x25)+(28x10) | E (10x25)+(28x10) | 1/2 |
| GW 40 118 | 54 (18x3) | 410x655x140 | N (10x25)+(28x10) | E (10x25)+(28x10) | 1 |
| GW 40 119 | 72 (18x4) | 410x878x160 | N (10x25)+(28x10) | E (10x25)+(28x10) | 1 |



GW 40 113

DISTRIBUTION BOARDS AND ENCLOSURES EQUIPPED WITH BIPOLAR 125 A TERMINAL BLOCKS AND TWO INTERCHANGEABLE FLANGES (2 FLANGES WITH KNOCKOUTS HOLE) - GREY RAL 7035

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Pole 1 (mm²) | Pole 2 (mm²) | Pack Carton |
|-----------|----------------------------|--------------------------|--------------------|--------------------|----------------|
| GW 40 113 | 12 | 298x260x140 | N (3x35) + (10x10) | E (3x35) + (10x10) | 6 |
| GW 40 114 | 24 (12X2) | 298x420x140 | N (3x35) + (10x10) | E (3x35) + (10x10) | 3 |
| GW 40 115 | 36 (12x3) | 298x570x140 | N (6x35)+(20x10) | E (6x35)+(20x10) | 2 |

CHARACTERISTICS: the flanges with knockout holes have the following inputs: 4xM16; 4xM20; 3xM25; 1xM32; Glow Wire Test: 750°C
ACCESSORIES SUPPLIED: terminal block, screwcaps and module masks for double insulation, circuit labels.
To restore the double insulation, use the relative accessories (module masks, screwcaps or wall mounting brackets).



GW 40 124

DISTRIBUTION BOARDS AND ENCLOSURES EQUIPPED WITH BIPOLAR 125 A TERMINAL BLOCKS AND TWO INTERCHANGEABLE FLANGES
(1 FLANGE WITH KNOCKOUTS HOLE + 1 FLANGE WITH QUICK ENTRY CABLE GLANDS) - GREY RAL 7035

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Pole 1 (mm²) | Pole 2 (mm²) | Pack Carton |
|-----------|----------------------------|--------------------------|--------------------|--------------------|----------------|
| GW 40 123 | 12 | 298x260x140 | N (3x35) + (10x10) | E (3x35) + (10x10) | 6 |
| GW 40 124 | 24 (12X2) | 298x420x140 | N (3x35) + (10x10) | E (3x35) + (10x10) | 3 |
| GW 40 125 | 36 (12x3) | 298x570x140 | N (6x35)+(20x10) | E (6x35)+(20x10) | 2 |

CHARACTERISTICS: the flanges with knockout holes have the following inputs: 4xM16; 4xM20; 3xM25; 1xM32; Glow Wire Test: 750°C
ACCESSORIES SUPPLIED: terminal block, screwcaps and module masks for double insulation, circuit labels.
To restore the double insulation, use the relative accessories (module masks, screwcaps or wall mounting brackets).

PROTECTED ENCLOSURES IP40



GW 40 046

ENCLOSURES AND DISTRIBUTION BOARDS FITTED WITH BIPOLAR 125 A TERMINAL BLOCKS

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Pole 1 (mm ²) | Pole 2 (mm ²) | Pack Carton |
|------------------|----------------------------|--------------------------|------------------------------|------------------------------|----------------|
| GW 40 082 | 8 | 220x180x100 | N (1x25) + (7x10) | E (1x25) + (7x10) | 1/14 |
| GW 40 090 | 54 (18x3) | 400x550x130 | N (6x25)+(20x10) | E (6x25)+(20x10) | 1/2 |
| GW 40 092 | 72 (18x4) | 400x850x150 | N (12x25)+(40x10) | E (12x25)+(40x10) | 1 |



GW 40 025

ENCLOSURES AND DISTRIBUTION BOARDS FITTED WITH BIPOLAR 125 A TERMINAL BLOCKS

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Pole 1 (mm ²) | Pole 2 (mm ²) | Pack Carton |
|------------------|----------------------------|--------------------------|------------------------------|------------------------------|----------------|
| GW 40 025 | 8 | 180x180x95 | N (1x25) + (7x10) | E (1x25) + (7x10) | 24 |

COMPLEMENTARY ITEMS



GW 44 621

WALL FIXING BRACKET



| Code | Material | Accessories supplied | For enclosures For dist. boards | Pack Carton |
|-----------|------------|----------------------------|------------------------------------|----------------|
| GW 44 621 | Insulation | Self-tapping fixing screws | All wall types | 40/480 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.

ACCESSORIES SUPPLIED: 2 fixing screws.



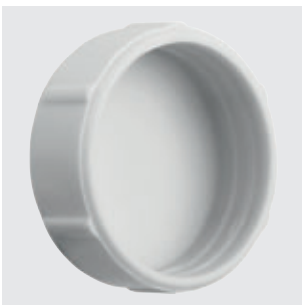
GW 40 423

4.5 MODULES COVER



| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-----------|----------------------------|----------------|----------------|
| GW 40 467 | 4.5 | White RAL 9016 | 50 |
| GW 40 423 | 4.5 | Grey RAL 7035 | 50 |

CHARACTERISTICS: clip fixing.



GW 44 623

INSULATING SCREW CAPS



| Code | Description | Pack Carton |
|-----------|----------------|----------------|
| GW 44 623 | Screwcap Ø25mm | 10/100 |

APPLICATIONS: used to restore the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.



GW 40 473

DESIGN COUPLING COVER FOR CONDUIT AND TRUNKING ENTRY FOR CDK ENCLOSURES AND BOARDS



| Code | For encl. /boards with rail | Fixing | Pack Carton |
|-----------|--------------------------------|--------|----------------|
| GW 40 473 | 12 Modules | Clip | 20 |
| GW 40 474 | 18 Modules | Clip | 20 |

CHARACTERISTICS: covers with internal knockouts for trunking from 60x30mm to 200x60mm.



GW 40 412 B

INSULATED SCREW TERMINAL BLOCK BIPOLAR AND UNIPOLAR FOR ENCLOSURES AND BOARDS

| Code | Pole 1 (mm²) | Pole 2 (mm²) | Suitable for | Fastener to supports | Pack Carton |
|---|----------------------|----------------------|----------------------|-------------------------|----------------|
| Type: Bipolar - Rated current 125 A | | | | | |
| GW 40 401 | N (1x35) + (7x10) | E (1x35) + (7x10) | 40 CDKe std. Germany | With screws | 10 |
| GW 40 402 | N (3x35) + (10x10) | E (3x35) + (10x10) | 40 CDKe std. Germany | With screws and/or clip | 10 |
| GW 40 404 | N (5x35) + (14x10) | E (5x35) + (14x10) | | With screws and/or clip | 10 |
| Type: Bipolar - Rated current 80 A - IP20 | | | | | |
| GW 40 408 B | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | 40 CDKe std. Germany | With screws | 1/10 |
| GW 40 412 B | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | 40 CDKe std. Germany | With screws and/or clip | 1/10 |
| Type: Unipolar - Rated current 80 A - IP20 | | | | | |
| GW 40 408 U | N/E (2x16) + (7x10) | | 40 CDKe std. Germany | With screws | 1/10 |
| GW 40 412 U | N/E (3x16) + (11x10) | | 40 CDKe std. Germany | With screws and/or clip | 1/10 |
| GW 40 422 U | N/E (3x16) + (29x10) | | 40 CDKe std. Germany | With screws and/or clip | 1/10 |

ACCESSORIES SUPPLIED: fixing screws. The 80 A terminal blocks are equipped with N and E labels to be placed on the respective spaces to identify the poles.

CHARACTERISTICS: GWT 960°C according to EN60695-2-11.

INSTALLATION: The GW40401, GW40408B and GW40408U terminal blocks can be installed on the Germany standard 40CDKe enclosures using the GW40413 adapter.



GW 40 413

ADAPTER FOR SCREW TERMINAL BLOCKS

| Code | Suitable for | Fastener to supports | Pack Carton |
|-----------|----------------------|----------------------|----------------|
| GW 40 413 | 40 CDKe std. Germany | With screws | 20 |

ACCESSORIES SUPPLIED: fixing screws.

CHARACTERISTICS: the adapter is pre-drilled for the correct assembly of the terminal block and pre-cut to allow installation also on enclosures with a 12 M modular step.

INSTALLATION: permits the installation of GW40401, GW40408B and GW40408U terminal blocks on Germany standard 40CDKe enclosures.



GW 40 487

INTERNAL HORIZONTAL DIVIDER FOR CDK BOARDS



| Code | For boards EN 50022 rail | Fixing | Pack Carton |
|-----------|-----------------------------|--------|----------------|
| GW 40 487 | 12 Modules | Clip | 10/100 |
| GW 40 488 | 18 Modules | Clip | 10/100 |

CHARACTERISTICS: sealing.



GW 40 492

BLANK LID PANELS - 1 MODULE HEIGHT FOR CDKE BOARDS



| Code | Suitable for | For boards EN 50022 rail | Colour | Pack Carton |
|-----------|--|-----------------------------|---------------|----------------|
| GW 40 492 | CDK enclosures and boards decorative (Surface-moun | 12 Modules | Grey RAL 7035 | 20 |
| GW 40 493 | CDK enclosures and boards decorative (Surface-moun | 18 Modules | Grey RAL 7035 | 20 |

NOTES: for creating internal separation between circuits of differing voltages on several rows within a single casing.

40 CDe



GW 40 422

CYLINDRICAL SECURITY LOCK - FOR 40 CDe ENCLOSURES

| Code | Material | Pack Carton |
|-----------|-------------------------|----------------|
| GW 40 421 | Insulation | 10/100 |
| GW 40 422 | Pressure die-cast metal | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



GW 40 428

INTERCHANGEABLE FLANGE WITH QUICK-ENTRY CABLE GLANDS

| Code | Entries for flanged | Pack Carton |
|-----------|---|----------------|
| GW 40 428 | 1 for cables Ø 16-29 mm 4 for cables Ø 11-20 mm 8 f | 1/20 |

40 CDe - SURFACE-MOUNTING ENCLOSURES AND DISTRIBUTION BOARDS FOR GERMAN STANDARD

40 CDe IP30 WITH TERMINAL BLOCK



GW 43 022 S

SURFACE-MOUNTING SMALL DISTRIBUTION BOARDS - RAL 9016

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Pack Carton |
|-------------|----------------------------|--------------------------|----------------|
| GW 43 021 S | 12 | 300x245x95 | 1 |
| GW 43 022 S | 24 (12x2) | 300x370x95 | 1 |
| GW 43 023 S | 36 (12x3) | 300x515x95 | 1 |
| GW 43 024 S | 48 (12x4) | 300x640x95 | 1 |

40 CDe - GERMAN STANDARD FLUSH-MOUNTING ENCLOSURES

FOR BRICKWORK WALLS - BLANK DOOR AND METAL FRAME - IP40



GW 40 152

ENCLOSURES FOR BRICK WALLS EQUIPPED WITH BIPOLAR TERMINAL BLOCKS - WHITE RAL 9003

| Code | No. of modules EN 50022 | Pole 1 (mm ²) | Pole 2 (mm ²) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|------------------------------|------------------------------|--------------------------|----------------|
| GW 40 151 | 12+2 | N (1x25)+(3x16)+(14x10) | E (1x25)+(3x16)+(14x10) | 28 | 2 |
| GW 40 152 | 24+4 (12x2) | N (2x25)+(6x16)+(16x10) | E (1x25)+(3x16)+(14x10) | 38 | 2 |
| GW 40 153 | 36+6 (12x3) | N (2x25)+(6x16)+(22x10) | E (1x25)+(5x16)+(22x10) | 48 | 2 |
| GW 40 154 | 48+8 (12x4) | N (2x25)+(6x16)+(22x10) | E (1x25)+(5x16)+(22x10) | 60 | 2 |

ACCESSORIES SUPPLIED: labels with self-adhesive pictograms for the identification of services, positioning brackets for masonry of base, mortar guard, certification label.

Enclosures composed by front cover, DIN frame, terminal block and back plastic bottom.

NOTES: dispersible power calculated according to IEC 60670-24.

FOR PLASTERBOARD WALLS - BLANK DOOR AND METAL FRAME (GWT 850°C) - IP40



GW 40 162

ENCLOSURES FOR PLASTERBOARD WALLS EQUIPPED WITH BIPOLAR TERMINAL BLOCKS - WHITE RAL 9003

| Code | No. of modules EN 50022 | Pole 1 (mm²) | Pole 2 (mm²) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|-------------------------|-------------------------|--------------------------|----------------|
| GW 40 161 | 12+2 | N (1x25)+(3x16)+(14x10) | E (1x25)+(3x16)+(14x10) | 16 | 2 |
| GW 40 162 | 24+4 (12x2) | N (2x25)+(6x16)+(16x10) | E (1x25)+(3x16)+(14x10) | 19 | 2 |
| GW 40 163 | 36+6 (12x3) | N (2x25)+(6x16)+(22x10) | E (1x25)+(5x16)+(22x10) | 24 | 2 |
| GW 40 164 | 48+8 (12x4) | N (2x25)+(6x16)+(22x10) | E (1x25)+(5x16)+(22x10) | 27 | 2 |

CHARACTERISTICS: removable upper part with knockouts for cable entry. Thermo-pressure with ball equal to 70°C.

ACCESSORIES SUPPLIED: terminal block, labels with self-adhesive pictograms for user identification, cable fastener ties,, removable upper wall with pre-cut holes for cable entry (spare part), certification labels.

NOTES: dispersible power calculated according to IEC 60670-24.

Enclosures composed by front cover; DIN frame, terminal block and back plastic bottom.

COMPLEMENTARY ITEMS



GW 43 071 S

BLANK DOORS FOR SURFACE-MOUNTING SMALL DISTRIBUTION BOARDS - RAL 9016

| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-------------|----------------------------|----------------|----------------|
| GW 43 071 S | 12 | White RAL 9016 | 1/4 |
| GW 43 072 S | 24 (12x2) | White RAL 9016 | 1/4 |
| GW 43 073 S | 36 (12x3) | White RAL 9016 | 1/2 |
| GW 43 074 S | 48 (12x4) | White RAL 9016 | 1/2 |



GW 43 082 S

METAL FRAME FOR FLUSH-MOUNTING ENCLOSURES

| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-------------|----------------------------|----------------|----------------|
| GW 43 081 S | 12 | White RAL 9016 | 1 |
| GW 43 082 S | 24 (12x2) | White RAL 9016 | 1 |
| GW 43 083 S | 36 (12x3) | White RAL 9016 | 1 |
| GW 43 085 S | 48 (12x4) | White RAL 9016 | 1 |



GW 43 055 S

BLANK DOORS FOR FLUSH-MOUNTING ENCLOSURES

| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-------------|----------------------------|----------------|----------------|
| GW 43 055 S | 12 | White RAL 9016 | 1 |
| GW 43 056 S | 24 (12x2) | White RAL 9016 | 1 |
| GW 43 057 S | 36 (12x3) | White RAL 9016 | 1/5 |
| GW 43 058 S | 48 (12x4) | White RAL 9016 | 1 |



GW 43 047 S

EXTRACTABLE FRAME FOR FLUSH-MOUNTING ENCLOSURE

| Code | No. of modules EN 50022 | Pack Carton |
|-------------|----------------------------|----------------|
| GW 43 047 S | 24 (12X2) | 1 |
| GW 43 048 S | 36 (12x3) | 1 |
| GW 43 049 S | 48 (12x4) | 1 |



GW 43 101 S

PLASTIC FRONTAL FOR FLUSH-MOUNTING ENCLOSURES

| Code | No. of modules EN 50022 | Pack Carton |
|-------------|----------------------------|----------------|
| GW 43 101 S | 12 | 1 |
| GW 43 102 S | 24 (12X2) | 1 |
| GW 43 103 S | 36 (12x3) | 1 |
| GW 43 104 S | 48 (12x4) | 1 |



GW 43 112 S

PLASTIC FRONTAL FOR WALL-MOUNTING ENCLOSURES

| Code | No. of modules EN 50022 | Pack Carton |
|-------------|----------------------------|----------------|
| GW 43 111 S | 12 | 1 |
| GW 43 112 S | 24 (12X2) | 1 |
| GW 43 113 S | 36 (12x3) | 1 |
| GW 43 114 S | 48 (12x4) | 1 |



GW 40 451

BIPOLAR TERMINAL BLOCKS WITH SUPPORT FOR ENCLOSURES FOR PLASTERBOARD WALLS

| Code | Pole 1 (mm²) | Pole 2 (mm²) | For enclosures | Pack Carton |
|-----------|-------------------------|-------------------------|-------------------|----------------|
| GW 40 451 | N (1x25)+(3x16)+(14x10) | E (1x25)+(3x16)+(14x10) | 12 modules | 20 |
| GW 40 452 | N (2x25)+(6x16)+(16x10) | E (1x25)+(3x16)+(14x10) | 24 modules | 20 |
| GW 40 453 | N (2x25)+(6x16)+(22x10) | E (1x25)+(5x16)+(22x10) | 36-48 modules | 20 |

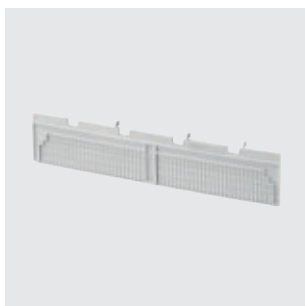
CHARACTERISTICS: clip fixing.



GW 40 461

PAIR OF JOINTS FOR COMBINED COUPLING OF ENCLOSURES FOR PLASTERBOARD WALLS

| Code | Fixing | For coupling | Pack Carton |
|------------------|--------|--------------|-------------|
| GW 40 461 | Clip | Vertical | 20 |



GW 43 041 S

CLOSING SLIDE FOR FLUSH-MOUNTING ENCLOSURES

| Code | Suitable for | Pack Carton |
|--------------------|------------------------------|-------------|
| GW 43 041 S | Plasterboard wall enclosures | 1 |



GW 40 457

INTERNAL DIVIDERS FOR ENCLOSURES FOR PLASTERBOARD WALLS

| Code | Type of divider | For enclosures | Fixing | Pack Carton |
|------------------|-----------------|---------------------|--------|-------------|
| GW 40 456 | Vertical | 12 modules | Clip | 50 |
| GW 40 457 | Vertical | 24 modules | Clip | 50 |
| GW 40 458 | Vertical | 36 modules | Clip | 30 |
| GW 40 459 | Vertical | 48 modules | Clip | 20 |
| GW 40 460 | Horizontal | 12-24-36-48 modules | Clip | 50 |



GW 43 045 S

STRAIN RELIEVE RAIL

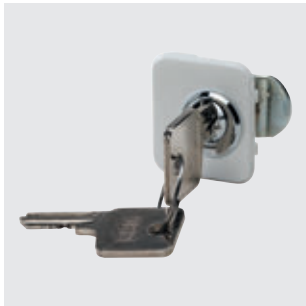
| Code | Suitable for | Pack Carton |
|--------------------|---------------------------|-------------|
| GW 43 045 S | Flush mounting enclosures | 10 |



GW 43 042 S

SEALABLE CLOSURE

| Code | Suitable for | Pack Carton |
|-------------|---------------|-------------|
| GW 43 042 S | Wall mounting | 2/20 |



GW 40 463

SECURITY LOCK

| Code | For enclosures | Pack Carton |
|-----------|--------------------------------|-------------|
| GW 40 463 | 40CD German std flush-mounting | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



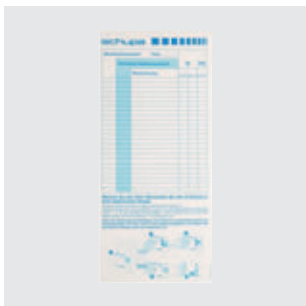
GW 40 467

4.5 MODULES COVER - COLOUR WHITE



| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-----------|-------------------------|----------------|-------------|
| GW 40 467 | 4.5 | White RAL 9016 | 50 |

CHARACTERISTICS: clip fixing.



GW 43 122 S

CIRCUIT LETTERING STRIPS

| Code | Dimensions (mm) | Pack Carton |
|-------------|-----------------|-------------|
| GW 43 122 S | 265x120 | 10/100 |



GW 43 044 S

CIRCUIT LETTERING STRIPS

| Code | Dimensions (mm) | Pack Carton |
|-------------|-----------------|-------------|
| GW 43 044 S | 350x165 | 10/100 |



GW 43 052 S

ENCLOSURE DOOR LOCK CLOSING SHUTTER

| Code | Description | Pack Carton |
|-------------|-------------------|-------------|
| GW 43 052 S | Lock seat shutter | 1/10 |



GW 43 040 S

SCREW FOR ENCLOSURE FRONT

| Code | Description | Pack Carton |
|-------------|----------------------------|-------------|
| GW 43 040 S | Screws for enclosure front | 100 |

40 CDE - FRENCH STANDARD MODULAR SURFACE-MOUNTING ENCLOSURES

ENCLOSURES WITHOUT DOOR - IP30



GW 40 501

ENCLOSURES EQUIPPED WITH MULTIPOLAR TERMINAL BLOCKS - WALLS WITH KNOCKOUT ELEMENTS - WHITE RAL 9016

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Phase terminal block (mm ²) | Neutral terminal block (mm ²) | Earth terminal block (mm ²) | Pack Carton |
|------------------|----------------------------|--------------------------|--|--|--|----------------|
| GW 40 501 | 13 | 250x225x93.5 | | | E(3x25)+(12x4) | 8 |
| GW 40 502 | 26 (13x2) | 250x350x93.5 | L(1x35)+(5x25) | N(1x35)+(5x25) | E(4x25)+(24x4) | 4 |
| GW 40 503 | 39 (13x3) | 250x475x93.5 | L(1x35)+(5x25) | N(1x35)+(5x25) | E(7x25)+(36x4) | 4 |
| GW 40 504 | 52 (13x4) | 250x600x93.5 | L(1x35)+(5x25) | N(1x35)+(5x25) | E(8x25)+(48x4) | 2 |

ACCESSORIES SUPPLIED: terminal blocks, module masks, circuit labels with self-adhesive pictograms, instruction sheet.

NOTES: earth terminal blocks with Push-Wire technology.

To restore the double insulation, use the relative accessories (module masks and screwcaps)

SUPPORT BASES FOR TARIF BLEU CONNECTING SWITCH



GW 40 512

SUPPORT BASES WITHOUT DOOR FOR EDF CONNECTION SWITCH - PLUMBABLE WHITE RAL 9016

| Code | Depth | Outer dim. LxHxD (mm) | Pack Carton |
|------------------|-------|--------------------------|----------------|
| GW 40 511 | 40 mm | 250x225x43.5 | 4 |
| GW 40 512 | 55 mm | 250x225x58.5 | 3 |

ACCESSORIES SUPPLIED: fixing screws for the circuit breaker, screwcaps for sealing.

HOME VDI ENCLOSURE - GRADE 1



GW 40 506

HOME VDI ENCLOSURE GRADE 1 WITH 4 CONNECTORS RJ 45 AND 4 TV-SAT OUTPUTS - WHITE RAL 9016

| Code | Outer dim. LxHxD (mm) | Pack Carton |
|------------------|--------------------------|----------------|
| GW 40 506 | 250x225x112 | 4 |

APPLICATIONS: allows to distribute Voice (telephone), Data (Internet) and Image (television) signals in every room of the house.

Complete and pre-equipped enclosure fitted with:

- 1 DTI RJ45 connection box with RC module integrated.
- 1xDSL filter 4 outputs for phone et 1 output for modem.
- 1 TV-SAT splitter 5-2500 MHz 4 outputs.
- 1 Patch panel with 8 seats RJ45 "Keystone".
- 4 Connectors RJ45 Cat.5e UTP wiring without tool.
- 1 Kit of cords RJ45 for connection.
- 1 Earth terminal block.
- 1 Free space 100mm on DIN rail for the optical fiber DTI.

NOTES: complies with the minimum equipment required by the French standard NF C 15-100 and guide UTE C 90-483.

ACCESSORIES FOR EXPANSION AND WIRING

| Code | Description | Pack Carton |
|------------------|--|----------------|
| GW 40 596 | Expansion kit with 2 RJ45 connectors cat. 5e | 1/10 |
| GW 40 597 | Quadruple RJ45 cord | 1/10 |

GW40596 is composed with:

- 2 Connectors RJ45 Cat.5e UTP wiring without tool:
- 1 Patch cord RJ45 - L = 30 cm.

NOTE:

GW40597 cord RJ45 1 input/ 4 outputs RJ45 for delivering the phone on 4 connectors from only one input.



COMPLEMENTARY ITEMS

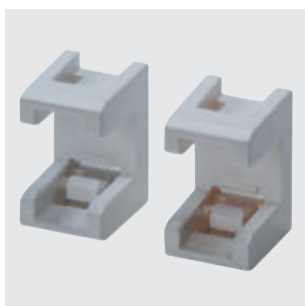


GW 40 516

KIT OF MODULAR SPACERS FOR SUBSCRIBER ENCLOSURES, BASES, CONTAINERS AND BOARDS 50MM THICK - CLIP ASSEMBLY - WHITE RAL 9016

| Code | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|--------------------------|----------------|
| GW 40 516 | 250x225x50 | 8 |
| GW 40 517 | 250x350x50 | 4 |
| GW 40 518 | 250x475x50 | 4 |
| GW 40 519 | 250x600x50 | 2 |

NOTE: code GW40516 is also suitable for the support bases and containers for services via cable (T.R.I.)



GW 40 546

2 PIPE FITTINGS FOR VERTICAL AND HORIZONTAL COUPLING OF ENCLOSURES, BASES AND SPACERS

| Code | Fixing type | Pack Carton |
|-----------|----------------|----------------|
| GW 40 546 | Clip | 20 |

APPLICATIONS: for creating combined compositions and subscriber boards.



GW 40 526

BACK-MOUNTING PLATES IN INSULATING MATERIAL FOR SURFACE-MOUNTING ENCLOSURES AND SPACER KIT SLIDE FIXING ON RAIL

| Code | Outer dim. LxHxD (mm) | For enclosures | Pack Carton |
|-----------|--------------------------|-------------------|----------------|
| GW 40 526 | 156x216x2 | 13 mod.- 1 row | 8 |
| GW 40 527 | 156x341x2 | 26 mod.- 2 rows | 4 |
| GW 40 528 | 156x466x2 | 39 mod.- 3 rows | 4 |
| GW 40 529 | 156x591x2 | 52 mod.- 4 rows | 2 |



GW 40 530

INSULATING BACK-MOUNTING PLATES FOR SUPPORT BASES . FIXING TO WALL WITH SCREWS.

| Code | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|--------------------------|----------------|
| GW 40 530 | 244x219x2 | 8 |



GW 40 591

ISOLATED UNIPOLAR TERMINAL BLOCKS IP20 FOR FRENCH STANDARD MODULAR ENCLOSURES

| Code | Type | Cap colour | Connections no. x section (mm²) | Type of connection | For enclosures | Pack Carton |
|-----------|---------|------------|---------------------------------|--------------------|----------------|-------------|
| GW 40 591 | Earth | Green | (3x25)+(12x4) | Push-Wire | 13M-39M | 20 |
| GW 40 592 | Earth | Green | (4x25)+(24x4) | Push-Wire | 26M-39M-52M | 20 |
| GW 40 593 | Phase | Black | (1x35)+(5x25) | With screw | 26M-39M-52M | 20 |
| GW 40 594 | Neutral | Blue | (1x35)+(5x25) | With screw | 26M-39M-52M | 20 |

CHARACTERISTICS: Terminal blocks for phase and neutral with In=100 A and Vn=450V.



GW 40 531

BLANK DOOR WITH FRAME FOR FINISHING FRENCH STANDARD MODULAR ENCLOSURES WITHOUT DOOR
WHITE RAL 9016 - IP40

| Code | For enclosures | Pack Carton |
|-----------|-----------------|-------------|
| GW 40 531 | 13 mod.- 1 row | 8 |
| GW 40 532 | 26 mod.- 2 rows | 4 |
| GW 40 533 | 39 mod.- 3 rows | 4 |
| GW 40 534 | 52 mod.- 4 rows | 2 |

CHARACTERISTICS: pre-arranged for housing the GW40422 cylinder security locks

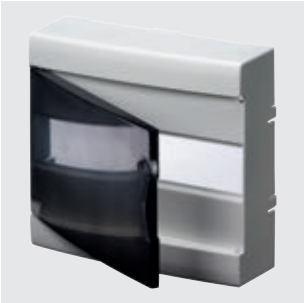


GW 40 536

TRANSPARENT SMOKED DOOR WITH FRAME FOR FINISHING FRENCH STANDARD MODULAR ENCLOSURES WITHOUT DOOR
- WHITE RAL 9016 - IP40

| Code | For enclosures | Pack Carton |
|-----------|-----------------|-------------|
| GW 40 536 | 13 mod.- 1 row | 8 |
| GW 40 537 | 26 mod.- 2 rows | 4 |
| GW 40 538 | 39 mod.- 3 rows | 4 |
| GW 40 539 | 52 mod.- 4 rows | 2 |

CHARACTERISTICS: pre-arranged for housing the GW40422 cylinder security locks



GW 40 542

DOOR WITH FRAME FOR FINISHING SUPPORT BASES - CLIP FIXING
WHITE RAL 9016 - IP40

| Code | Outer dim. LxHxD (mm) | Door colour | Pack Carton |
|-----------|-----------------------|--------------------|-------------|
| GW 40 541 | 250x225 | White RAL 9016 | 4 |
| GW 40 542 | 250x225 | Smoked Transparent | 4 |

CHARACTERISTICS: pre-arranged for housing the GW40422 cylinder security locks.



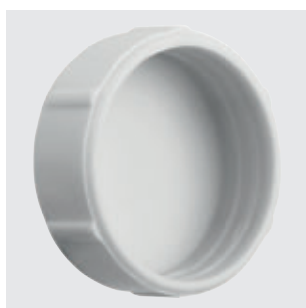
GW 40 422

CYLINDRICAL SECURITY LOCK - FOR 40 CDE (FRENCH STANDARD) ENCLOSURES

| Code | Material | Pack Carton |
|------------------|-------------------------|----------------|
| GW 40 422 | Pressure die-cast metal | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



GW 44 622

SCREWCAPS IN INSULATING MATERIAL


| Code | Description | For enclosures | Pack Carton |
|------------------|----------------|-------------------|----------------|
| GW 44 622 | Screwcap Ø16mm | GW42201 | 10/100 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.



GW 40 467

PLASTIC MODULE COVER PROFILE


| Code | No. of modules EN 50022 | Colour | Pack Carton |
|------------------|----------------------------|----------------|----------------|
| GW 40 467 | 4,5 | White RAL 9016 | 50 |

CHARACTERISTICS: clip fixing.

40 CDe



FRENCH STANDARD ENCLOSURES



Surface-mounting enclosures equipped with phase terminal blocks, neutral and earth with IP20 protective casing, in accordance with the French standards. Earth terminal blocks with Push-Wire fastening. Completing the offer, the VDI enclosure for the distribution of TV, internet and telephony signals.

GERMAN STANDARD ENCLOSURES



Both surface-mounting and flush-mounting version enclosures, all equipped with terminal block. Surface-mounting enclosures with IP65 degree of protection with cable entry flange from above or below and IP30 enclosure without door. Flush-mounting versions with frame and metal door for brick and plasterboard walls.

SPANISH STANDARD ENCLOSURES



Surface-mounting version without door and with IP40 degree of protection and flush-mounting versions with and without door with IP40 degree of protection (available both with blank door or smoked transparent door).

40 CDe - SURFACE-MOUNTING ENCLOSURES - SPANISH STANDARD

| TECHNICAL CHARACTERISTICS | |
|---|--|
| Standards: IEC EN 606070-1; IEC EN 60670-24 | Knockout type: Removable using a tool |
| Degree of protection: IP 40 | Type of casing: GP |
| Protection against indirect contacts: double insulation - □ (•) | Material: technopolymer GW PLAST |
| Installation temperature: max. +60°C, min. -5°C | Impact resistance: IK 08 |
| Rated voltage: 400V AC | Heat resistance: thermo-pressure with ball 70°C |
| Insulation voltage: 750V | Resistance to abnormal heat and fire: Glow wire test 650°C |
| Dispersible power (Pde): GW 40 340 (16W) | |

(•) Complete double insulation, in accordance with EN 61140 Standard, obtainable with special screwcaps provided.

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|--------------------|--------------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Resistant |

Dimension tables


40 CDe - FLUSH-MOUNTING ENCLOSURES - SPANISH STANDARD

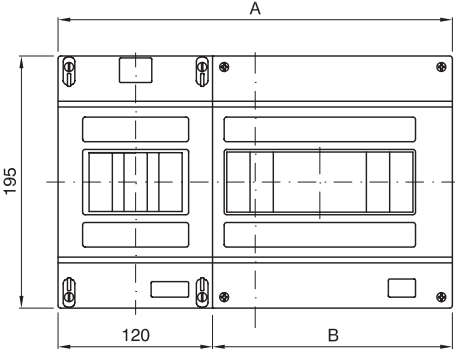
| TECHNICAL CHARACTERISTICS | |
|--|---|
| Standards: IEC EN 606070-1; IEC EN 60670-24 | Knockout type: Removable using a tool |
| Degree of protection: IP 40 | Type of casing: GP |
| Protection against indirect contacts: double insulation - □ (•) | Material: technopolymer GW PLAST |
| Installation temperature: max. +60°C, min. -15°C | Impact resistance: IK 07 |
| Rated voltage: 400V AC | Heat resistance: thermo-pressure with ball 70°C |
| Insulation voltage: 750V | Resistance to abnormal heat and fire: Glow wire test 650°C |
| Dispersible power (Pde): GW 40 331 (12+25W); GW 40 336 and GW 40 338 (9+14W) | Dispersible power (Pde): GW 40 332 (17+25W); GW 40 337 and GW 40 339 (10+15W) |

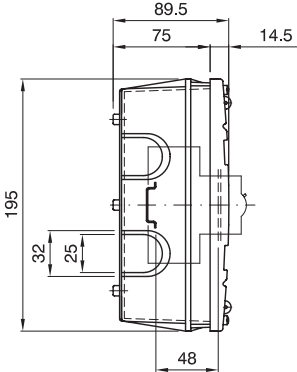
(•) Complete double insulation, in accordance with EN 61140 Standard.

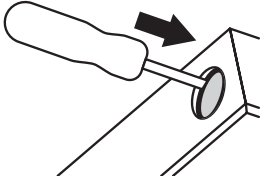
| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|--------------------|--------------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Resistant |

Dimension tables




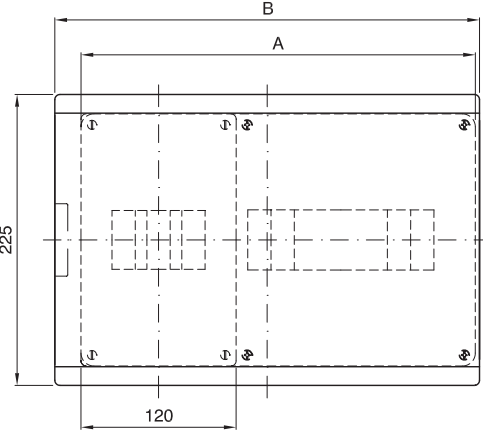


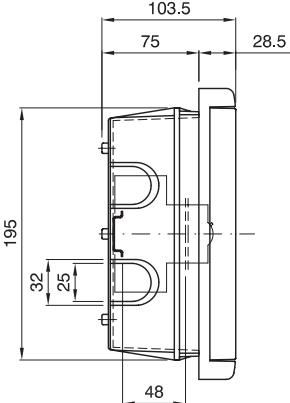


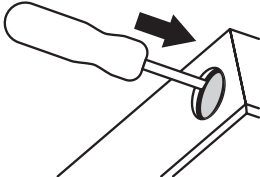


| | Code | Dimensions | |
|-------|-----------|------------|-----|
| | | A | B |
| 4+8M | GW 40 331 | 305 | 185 |
| 4+12M | GW 40 332 | 372 | 252 |






















| | Code | Dimensions | |
|-------|------------------------|------------|-------|
| | | A | B |
| 4+8M | GW 40 336 GW 40 338 | 305 | 328.5 |
| 4+12M | GW 40 337 GW 40 339 | 372 | 400 |

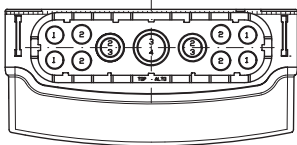
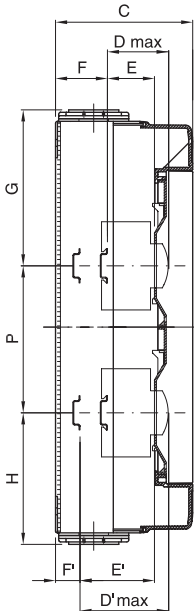
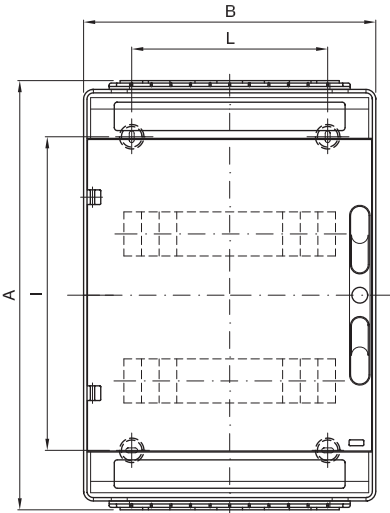
40 CDE - SURFACE-MOUNTING ENCLOSURES AND BOARDS - GERMAN STANDARD

| TECHNICAL CHARACTERISTICS | |
|--|--|
| Standards: IEC EN 606070-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*); DIN VDE 0603-1 | Material: technopolymer GW PLAST |
| Degree of protection: IP 65 | Impact resistance: IK 07 |
| Protection against indirect contacts: double insulation -  (*) | Heat resistance: thermo-pressure with ball 70°C |
| Installation temperature: max. +60°C, min. -25°C | Resistance to abnormal heat and fire: Glow wire test 750°C |
| (*) Complete double insulation, in accordance with EN 61140 Standard, obtainable with screwcaps (GW 44 622 or GW 44 623) or resin fixing brackets (GW 44 621). | |
| (*) Enclosure type: GP (CEI 23-51) and PD | |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|---|---|--|--|---|--|---|---|--|--|---|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant  | Not resistant  | Limited resistance  | Limited resistance  | Not resistant  | Limited resistance  | Not resistant  | Not resistant  | Limited resistance  | Limited resistance  | Resistant  |

Dimension tables





| Diameter of flange ducts | | | |
|--------------------------|-----|-----|-----|
| 1 | 2 | 3 | 4 |
| M16 | M20 | M25 | M32 |


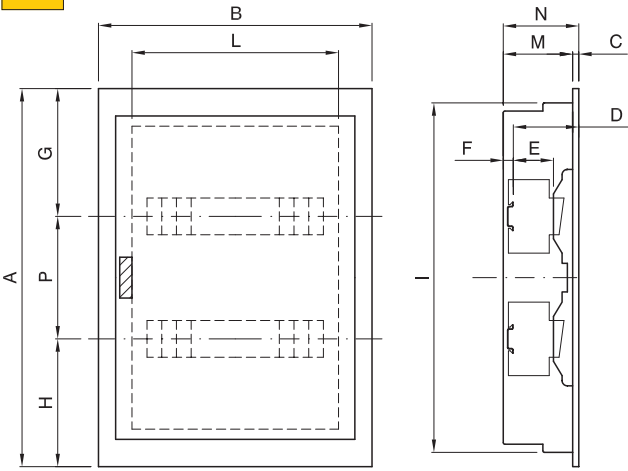
| | | Dimensions | | | Modular assembly | | | | | | | | | Fixing | | |
|-----|------------------------|------------|-----|-----|------------------|----|----|-------|-------|-----|-------|----|----|--------|-----|-----|
| | Code | A | B | C | B | E | F | G | H | P | D'max | E' | F' | NR | I | L |
| 12M | GW 40 113 GW 40 123 | 278 | 298 | 140 | 75 | 48 | 48 | 126.5 | 151.5 | / | 102 | 75 | 21 | 4 | 161 | 200 |
| 24M | GW 40 114 GW 40 124 | 438 | | | | | | 156.5 | 131.5 | 150 | | | | | 320 | |
| 36M | GW 40 115 GW 40 125 | 588 | | | | | | 156.5 | 131.5 | 150 | | | | | 494 | |

40 CDe - FLUSH-MOUNTING ENCLOSURES - GERMAN STANDARD

| TECHNICAL CHARACTERISTICS | |
|--|--|
| Standards: IEC EN 606070-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*); DIN VDE 0603-1; DIN 43871 | Material: technopolymer GW PLAST |
| Degree of protection: IP 40 | Impact resistance: IK 07 |
| Protection against indirect contacts: double insulation - □ (•) | Heat resistance: thermo-pressure with ball 70°C |
| Installation temperature: max. +60°C, min. -15°C | Resistance to abnormal heat and fire: Glow wire test 750°C |
| (•) Complete double insulation, in accordance with EN 61140 Standard. (*) Enclosure type: GP (CEI 23-51) and PD | |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|--------------------|--------------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Resistant |

Dimension tables

| ENCLOSURES FOR MASONRY OR PLASTERBOARD WALLS - BLANK DOOR AND METAL FRAME - IP40 | | | | | | | | | | | | | | |
|---|-----------|------------|-----|-----|------------------|----|----|------|-----|-----|-----|--------|-----|----|
| <div><div></div><div></div></div> | | | | | | | | | | | | | | |
| | Code | Dimensions | | | Modular assembly | | | | | | | Fixing | | |
| | | A | B | C | N | D | E | F | G | H | P | I | L | M |
| 12M | GW 40 151 | 338 | 335 | 7.5 | 92.5 | 76 | 48 | 16.5 | 188 | 150 | 125 | 303 | 253 | 85 |
| 24M | GW 40 152 | 463 | 335 | 7.5 | 92.5 | 76 | 48 | 16.5 | 188 | 150 | 125 | 428 | 253 | 85 |
| 36M | GW 40 153 | 588 | 335 | 7.5 | 92.5 | 76 | 48 | 16.5 | 188 | 150 | 125 | 553 | 253 | 85 |
| 48M | GW 40 154 | 713 | 335 | 7.5 | 92.5 | 76 | 48 | 16.5 | 188 | 150 | 125 | 678 | 253 | 85 |

40 CDE - MODULAR SURFACE-MOUNTING ENCLOSURES - FRENCH STANDARD

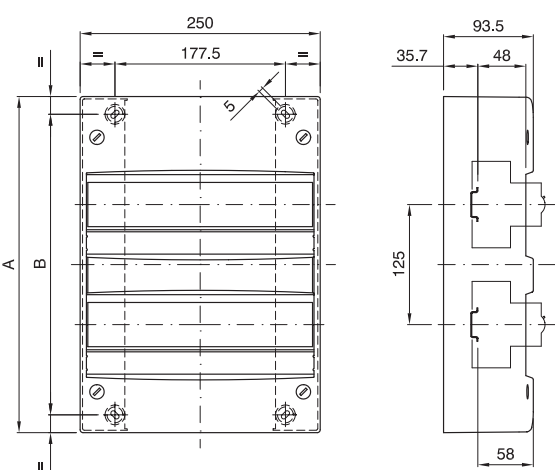
| TECHNICAL CHARACTERISTICS | |
|--|--|
| Standard: IEC 60670-1; IEC 60670-24; NF C 61-910 | Material: technopolymer GW PLAST |
| Degree of protection: IP30/40 | Impact resistance: IK 07 |
| Protection against indirect contact: double insulation - □ (•) | Heat resistance: thermo-pressure with ball 70°C |
| Installation temperature: max. +60°C; min. -25°C | Resistance to abnormal heat and fire: Glow wire test 750°C |

(•) Complete double insulation, in accordance with EN 61140 Standard, obtainable with screwcaps (GW 44 622 or GW 44 623) or resin fixing brackets (GW 44 621).

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|--------------------|--------------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Resistant |

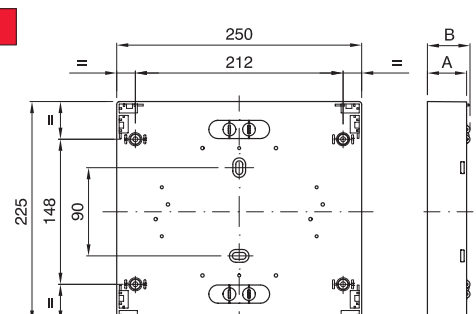
Dimension tables

ENCLOSURES WITHOUT DOOR - IP30



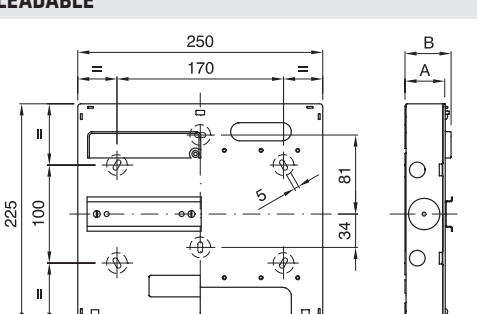
| | Code | Dimensions | Fixing |
|-----|-----------|------------|--------|
| | | A | B |
| 13M | GW 40 501 | 225 | 188 |
| 26M | GW 40 502 | 350 | 313 |
| 39M | GW 40 503 | 475 | 438 |
| 52M | GW 40 504 | 600 | 563 |

SUPPORTING BASES WITHOUT DOOR FOR THE EDF CONNECTION
ONE-WAY SWITCH - LEADABLE



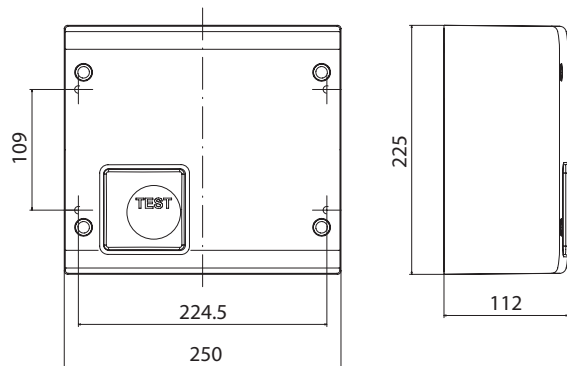
| | Dimensions | |
|-----------|------------|------|
| Code | A | B |
| GW 40 511 | 40 | 43.5 |
| GW 40 512 | 55 | 58.5 |

SUPPORTING BASES WITHOUT DOOR FOR THE EDF CONNECTION
ONE-WAY SWITCH AND THE SINGLE-PHASE ELECTRONIC
METER - LEADABLE

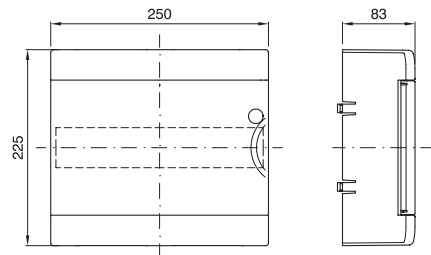


| | Dimensions | |
|-----------|------------|----|
| Code | A | B |
| GW 40 513 | 40 | 47 |
| GW 40 514 | 55 | 62 |

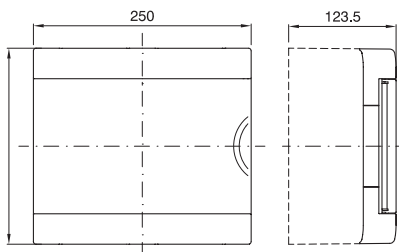
HOME VDI ENCLOSURE - GRADE 1



MODULAR ENCLOSURE FINISHING DOOR - FRENCH STANDARD

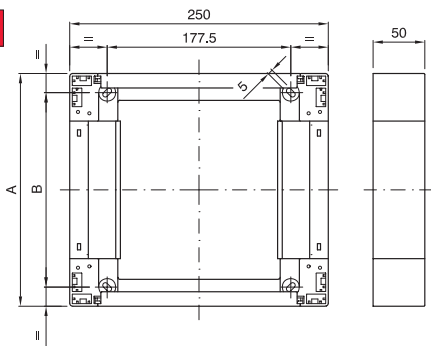


MODULAR ENCLOSURE FINISHING DOOR FRENCH STANDARD













| | A |
|-----|-----|
| 13M | 225 |
| 26M | 350 |
| 39M | 475 |
| 52M | 600 |

KIT OF MODULAR SPACERS FOR ENCLOSURES, BASES, CONTAINERS AND SUBSCRIBER BOARDS



| | Code | Dimensions | | Fixing | |
|-----|-----------|------------|-----|--------|--|
| | | A | B | B | |
| 13M | CW 40 516 | 225 | 188 | | |
| 26M | CW 40 517 | 350 | 313 | | |
| 39M | CW 40 518 | 475 | 438 | | |
| 52M | CW 40 519 | 600 | 563 | | |

| | | EQUIPPED WITH ILLUMINABLE PUSH-BUTTON | | | | | | |
|---|-----------------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|
| | |  | | | | | | |
| Code | | GW 42 201 | | | | | | |
| Colour | | Red RAL 3000 | | | | | | |
|  | Hammer | GW 42 216 | | | | | | |
|  | Replacement glass | GW 42 211 | | | | | | |
|  | Watertight cylinder security lock | - | | | | | | |
|  | NO | GW 74 201 | | | | | | |
| | NC | GW 74 202 | | | | | | |
|  | Code | GW 30 951 | GW 30 952 | GW 30 943 | GW 30 945 | GW 30 958 | GW 30 959 | GW 30 960 |
| | Voltage (V AC/DC) | 12 | 24 | 230 | 110 | 12-24 | 110-230 | 48 |
| | Power (W) | 0.4 | 0.8 | 0.4 | 0.8 | | | |
| | Light emission | White | White | Red | White | Green | Green | Green |

| PRE-ARRANGED WITH Ø 22 mm HOLE | WITH DIN RAIL | | | | WITH BACKMOUNTING PLATE | FLUSH-MOUNTING ENCLOSURE WITH DIN RAIL | |
|---|---|--------------------------|--------------------------|--------------------------|--|---|--------------------------|
|  |  | | | |  |  | |
| GW 42 204 | GW 42 206 (4 modules) | GW 42 202 (8 modules) | GW 42 207 (4 modules) | GW 42 208 (8 modules) | GW 42 203 | GW 42 231 (4 modules) | GW 42 232 (4 modules) |
| Red RAL 3000 | Red RAL 3000 | Red RAL 3000 | Grey RAL 7035 | Grey RAL 7035 | Red RAL 3000 | Red RAL 3000 | Grey RAL 7035 |
| GW 42 216 | GW 42 216 | GW 42 216 | GW 42 216 | GW 42 216 | GW 42 216 | GW 42 216 | GW 42 216 |
| GW 42 213 | GW 42 213 | GW 42 212 | GW 42 213 | GW 42 212 | GW 42 212 | GW 42 214 | GW 42 214 |
| GW 48 644 | GW 48 644 | GW 48 644 | GW 48 644 | GW 48 644 | GW 48 644 | GW 48 644 | GW 48 644 |
| - | - | | | | - | - | - |
| - | - | | | | - | - | - |

42 RV

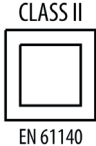
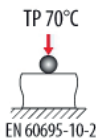
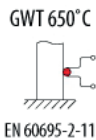
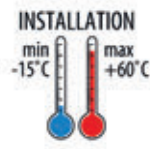
Surface- and flush-mounting watertight emergency enclosures

IP55 watertight enclosures, Red RAL 3000, available in 5 versions: with backlit push-button; can be equipped with 22 mm dia. mushroom button or with DIN rail coupling, the latter being available in Grey RAL 7035. The best seller is the GW42201, equipped with 1 NO contact and 1 NC contact and expandable up to 4 contacts, supplied with 1 long automatically operated push-button when glass is broken or short button for manual operation.



Technical characteristics page 1298

42 RV - WATERTIGHT ENCLOSURES FOR EMERGENCY MANOEUVRES - IP55



EQUIPMENT WITH ILLUMINABLE PUSH-BUTTON



GW 42 201

WATERTIGHT ENCLOSURE FOR EMERGENCY SYSTEMS, EQUIPPED WITH ILLUMINATED PUSH-BUTTON AND 2 CONTACTS 1NO+1NC THAT CAN BE EXPANDED UP TO 4 CONTACTS
PRE-ARRANGEMENT FOR USE OF GREEN LED TO INDICATE THE GOOD CONDITION OF THE EMERGENCY CIRCUIT



| Code | Outer dim. LxHxD (mm) | Colour | No. of contacts that can be installed | Pack Carton |
|-----------|--------------------------|--------------|--|----------------|
| GW 42 201 | 120x120x50 | Red RAL 3000 | 4 | 1/10 |

CHARACTERISTICS: can be mounted on flush-mounting box GW24403. Contact-holder flange with 4 seats.
ACCESSORIES SUPPLIED: substitute button key for the possible configuration of manual or automatic activation when the glass is broken, self-adhesive pictograms "Break the glass" and "Press the button key", screwcaps for double insulation, screws and accessories for plumbing the front, 1 NO contact and 1 NC contact.
Sicur Push breakable glass.
NOTES: substitute NO contacts: GW74201, NC: GW74202; lamps for push-button backlighting: GW30951 12 V-/-, GW30952 24 V-/-, GW30943 230 V-/-; green LEDs for signalling the integrity of the emergency circuit: GW30958 for 12 to 24 V-/-, GW30959 for 110 to 230 V-/-, GW30960 for 48 V-/-;
To restore the double insulation use the relative screwcaps supplied.
Pre-arranged for installation of 4 contacts type NO or NC.

FITTED WITH HOLE Ø 22 MM



GW 42 204

WATERTIGHT ENCLOSURE FOR EMERGENCY SYSTEMS FITTED WITH HOLE Ø 22MM



| Code | Outer dim. LxHxD (mm) | Colour | Pack Carton |
|-----------|--------------------------|--------------|----------------|
| GW 42 204 | 108x180x100 | Red RAL 3000 | 1/10 |

ACCESSORIES SUPPLIED: Door fitted with lock with 2 keys, self adhesive pictogram "Break glass" and screwcaps for double insulation.
Sicur Push breakable glass.
To restore the double insulation, use the relative accessories supplied (module masks and screwcaps) or the brackets for surface-mounting (GW44621).
NOTES: compatible with momentary push-buttons, selectors and indicators Ø 22 mm of the 74 PS series.

WITH DIN RAIL



GW 42 202

WATERTIGHT ENCLOSURES FOR EMERGENCY USE AND SPECIAL APPLICATIONS WITH RAIL DIN



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
|------------------------------|----------------------------|--------------------------|--------------------------|----------------|
| Colour: Red RAL 3000 | | | | |
| GW 42 206 | 4 | 108x180x100 | 12 | 1/10 |
| GW 42 202 | 8 | 180x180x100 | 18 | 1/10 |
| Colour: Grey RAL 7035 | | | | |
| GW 42 207 | 4 | 108x180x100 | 12 | 1/10 |
| GW 42 208 | 8 | 180x180x100 | 18 | 1/10 |

ACCESSORIES SUPPLIED: door fitted with lock with 2 keys, self adhesive pictogram "Break glass", circuit label and screwcaps for double insulation. Sicur Push breakable glass.

GW44207 pre-arranged also for the installation of momentary push-buttons, mushroom-head push-buttons, selectors and indicators ø 22 mm of the 74PS series.

NOTES: Dispersible power calculated according to CEI 23-49.

To restore the double insulation use the relative accessories supplied (module mask and screwcaps) or brackets for surface mounting GW44621.

WITH BACK-MOUNTING PLATE



GW 42 203

WATERTIGHT ENCLOSURE FOR EMERGENCY USE AND SPECIAL APPLICATIONS WITH GALVANISED METAL BACK MOUNTING PLATE



| Code | Outer dim. LxHxD (mm) | Colour | Pack Carton |
|-----------|--------------------------|--------------|----------------|
| GW 42 203 | 180x180x100 | Red RAL 3000 | 1/10 |

ACCESSORIES SUPPLIED: Door fitted with lock with 2 keys, self adhesive pictogram "Break glass" and screwcaps for double insulation.

"Sicur Push" breakable glass.

To restore the double insulation use the relative accessories supplied (module mask and screwcaps) or brackets for surface mounting GW44621

FLUSH-MOUNTING ENCLOSURE WITH DIN RAIL



GW 42 232

WATERTIGHT FLUSH-MOUNTING ENCLOSURES FOR EMERGENCIES AND SPECIAL APPLICATIONS WITH RAIL DIN



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Colour | Pack Carton |
|-----------|----------------------------|--------------------------|--------------------------|---------------|----------------|
| GW 42 231 | 4 | 145x200x70 | 12 | Red RAL 3000 | 1/10 |
| GW 42 232 | 4 | 145x200x70 | 12 | Grey RAL 7035 | 1/10 |

ACCESSORIES SUPPLIED: door equipped with security lock with 1 key, self-adhesive pictogram "Break the glass", user label.

"Sicur Push" breakable glass.

NOTES: if the flush-mounting box is not embedded in line with the wall, use the screw kit plus the spacers GW48645.

dispersible power calculated according to IEC 60670-24.

To restore the double insulation use the relative accessories supplied (module masks and screwcaps)

PLATES FOR LIFTS / EMERGENCY

WIRED PLATES FOR LIFT AND EMERGENCY



GW 32 450

SELF-SUPPORTING WIRED PLATES FOR LIFT/EMERGENCY WITH ILLUMINABLE BUTTON SWITCH
TRIANGLE KEY AND BREAKABLE GLASS - IP40

| Code | Output contacts | Colour | Suitable for | Pack Carton |
|-----------|--|--------|--------------|-------------|
| GW 32 450 | 1 NO + 1 NC 10A (AC1) / 6A (AC15) 380 V ac | White | Lift | 1/10 |
| GW 32 451 | 1 NO + 1 NC | Red | Emergency | 1/10 |

The articles are supplied with an 11mm button key already assembled, without a lamp. They use the GW30941 12V-/, GW30942 24V-/~ and GW30943 230V-/~ signalling units.

CHARACTERISTICS: the plates are suitable for the GW40422 security lock, available as an accessory.

For flush-mounting box GW24403; for surface-mounting box GW32431, GW32432;

ACCESSORIES SUPPLIED: accessory button key, 17mm high, to operate the contacts when glass is broken.

PLATES FITTED FOR PLAYBUS RANGE DEVICES



GW 32 452

SELF-SUPPORTING UNWIRED PLATES FOR EMERGENCY WITH TRIANGLE KEY AND BREAKABLE GLASS
FITTED FOR MOUNTING MODULAR PLAYBUS DEVICES - IP40

| Code | Colour | No. Playbus modules | Pack Carton |
|-----------|--------|---------------------|-------------|
| GW 32 452 | White | 2 | 1/10 |
| GW 32 453 | Red | 2 | 1/10 |

CHARACTERISTICS: the plates are suitable for the GW40422 security lock, available as an accessory.

For flush-mounting box GW24403; for surface-mounting box GW32431, GW32432.

COMPLEMENTARY ITEMS

GLASS BREAKER



GW 42 216

GLASS BREAKER WITH UNIVERSAL FIXING SUPPORT

| Code | Colour | Support dimension (mm) | Pack Carton |
|-----------|-------------|------------------------|-------------|
| GW 42 216 | Toner black | 70x60 | 1/10 |

CHARACTERISTICS: the hammer is joined to the base with a fine chain, so it can not be lost.

SPARE GLASS



GW 42 212

SPARE SICUR PUSH GLASS FOR WATERTIGHT ENCLOSURES FOR EMERGENCIES

| Code | For enclosures | Pack Carton |
|-----------|-------------------------|-------------|
| GW 42 211 | GW42201 | 1/10 |
| GW 42 213 | GW42204 GW42206 GW42207 | 1/10 |
| GW 42 212 | GW42202 GW42203 GW42208 | 1/10 |
| GW 42 214 | GW42231 GW42232 | 1/10 |



GW 32 457

SPARE BREAKABLE GLASS FOR PLATES FOR LIFTS/EMERGENCIES

| Code | Suitable for | Pack Carton |
|-----------|---------------------------------|-------------|
| GW 32 457 | GW32450 GW32451 GW32452 GW32453 | 1/10 |

ACCESSORIES AND SPARE PARTS



MINIATURE LAMPS WITH WIRED LEAD

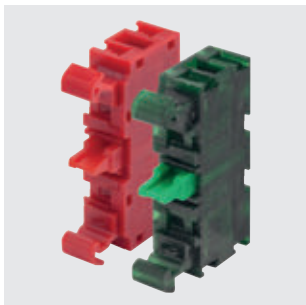
| Code | Lamp voltage | Lamp power | Lamp | Light emitted | Pack Carton |
|-----------|--------------|------------|---------------|---------------|-------------|
| GW 30 951 | 12V ac/dc | 0.4 W | Incandescence | White | 50 |
| GW 30 952 | 24V ac/dc | 0.8 W | Incandescence | White | 50 |
| GW 30 943 | 230 V ac | 0.4 W | Fluorescent | Red | 50 |
| GW 30 945 | 110V ac/dc | 0.8 W | Fluorescent | White | 50 |



GW 30 958

SIGNALLING UNIT FOR INTEGRITY OF EMERGENCY CIRCUIT - WITH LEDS

| Code | Lamp voltage | Lamp | Light emitted | Pack Carton |
|-----------|----------------|------|---------------|-------------|
| GW 30 958 | 12-24V ac/dc | LED | Green | 10 |
| GW 30 959 | 110-230V ac/dc | LED | Green | 10 |
| GW 30 960 | 48V ac/dc | LED | Green | 10 |



CONTACTS - ITH 10A - 240V AC

| Code | Type | Category of use 240V ac15 | Category of use 240V dc13 | Colour | For enclosure | Pack Carton |
|-----------|------|---------------------------|---------------------------|--------|---------------|-------------|
| GW 74 201 | 1 NO | 3 A | 0.27 A | Green | GW42201 | 10/60 |
| GW 74 202 | 1 NC | 3 A | 0.27 A | Red | GW42201 | 10/60 |

CHARACTERISTICS: GW74202, suitable for opening the contact also in the event of it slightly sticking, in conformity with the EN 60947-5-1 standard.
Clip assembly on the contact-holder flanges. Contacts compatible with emergency control unit GW42201.



GW 40 422

CYLINDRICAL SECURITY LOCK - SUITABLE FOR PLATES USED IN LIFTS/EMERGENCIES

| Code | Material | Pack Carton |
|-----------|-------------------------|-------------|
| GW 40 422 | Pressure die-cast metal | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



GW 48 644

WATERTIGHT CYLINDRICAL SECURITY LOCK

| Code | For enclosures | Material | Pack Carton |
|-----------|------------------------|-------------------------|-------------|
| GW 48 644 | 48 PTC and 42 RV range | Pressure die-cast metal | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



GW 48 645

KIT CONTAINING 4 LONG SELF-THREADING SCREWS WITH SPACERS FOR FIXING LIDS AND FRONTS

| Code | Screw dimension (mm) | Spacer thickness (mm) | Pack Carton |
|-----------|----------------------|-----------------------|-------------|
| GW 48 645 | Ø 4x45 | Max 10 mm reducible | 1/100 |

CHARACTERISTICS: the kit can also be used for the following flush-mounting ranges: CD/CDK (starting from 6 modules), 48 CM and 42 RV.



GW 44 621

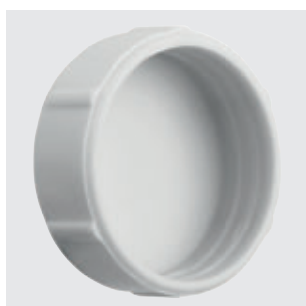
WALL FIXING BRACKET, COMPLETE WITH SELF-TAPPING SCREWS



| Code | Suitable for | Pack Carton |
|-----------|-----------------------------|-------------|
| GW 44 621 | Enclosures 42 RV wall range | 40/480 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.

ACCESSORIES SUPPLIED: 2 fixing screws.



GW 44 622

SCREWCAPS IN INSULATING MATERIAL



| Code | Description | For enclosures | Pack Carton |
|-----------|----------------|-------------------------|-------------|
| GW 44 622 | Screwcap Ø16mm | GW42201 | 10/100 |
| GW 44 623 | Screwcap Ø25mm | from GW42202 to GW42208 | 10/100 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.



GW 40 423

4.5 MODULES COVER - COLOUR WHITE



| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-----------|-------------------------|---------------|-------------|
| GW 40 423 | 4.5 | Grey RAL 7035 | 50 |

42 RV



EMERGENCY ENCLOSURE



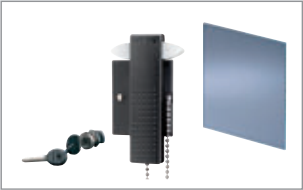
The GW42201 is equipped with illuminated push-button and 1NC and 1NA contacts that can be expanded up to 4 contacts and pre-arranged for use of green led to indicate the efficiency of emergency circuit

FUNCTIONALITY AND FLEXIBILITY IN ONE ITEM



Pre-arranged with a short or long push-button for deliberate operation, or with an intrinsic safety function.

COUNTLESS ACCESSORY COMBINATIONS



All the enclosures boast an IP55 high degree of protection and, thanks to the emergency hammer (available as an accessory), sealable mask and halogen-free materials, are ideally suited for applications in areas open to the public.

42 RV - WATERTIGHT ENCLOSURES FOR ALARM SIGNALLING AND EMERGENCY OPERATION - IP55

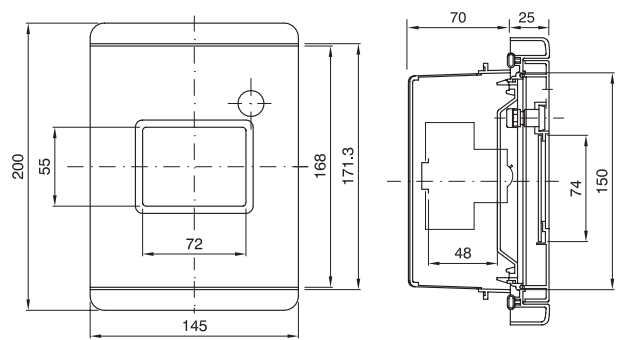
| TECHNICAL CHARACTERISTICS (valid also for self-supporting plates) | |
|--|---|
| Standard: IEC EN 60670-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*) | Rated current: 125A |
| Degree of protection: IP55 | Material: GW PLAST technopolymer, halogen-free in accordance with CEI EN 60754-2 (CEI EN 50267-2-2) |
| Protection against indirect contact: double insulation - □ (•) | Impact resistance: IK 08 |
| Installation temperature: max. +60°C; min. -25°C (surface-mounting version) max. +60°C; min. -15°C (flush-mounting version) | Heat resistance: thermo-pressure with ball 70°C |
| Rated voltage: 400V | Resistance to abnormal heat and fire: Glow wire test 650°C |
| Rated insulation voltage (Ui): 750V | |
| (*) Complete insulation, in accordance with EN 61140 Standard, obtainable by using the screwcaps supplied. | |
| (*) Type of casing: GP (CEI 23-51) and PD | |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|-----------|--------------|-----------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Resistant | Resistant | Resistant | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

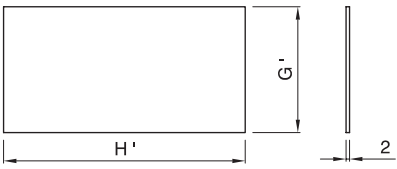
Dimension tables

| WATERTIGHT SURFACE-MOUNTING ENCLOSURES | | | | | | | | | | | | | | | | |
|---|-----------|--------------------|-----|-----|-----|-----|----|------------------|----|-----|----|-----|----|--------|-----|-----|
| GW 42 201* | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| * equipped with 1NA and 1NC contacts. Expandable till to 4 contacts NA / NC | | | | | | | | | | | | | | | | |
| | Code | Overall dimensions | | | | | | Modular assembly | | | | | | Fixing | | |
| | | A | B | C | A' | B' | C' | D | E | F | G | H | M | NR | I | L |
| 4M | GW 42 204 | 180 | 108 | 100 | 172 | 100 | 55 | 78 | 48 | 9.3 | 55 | 55 | 29 | 2 | 84 | - |
| | GW 42 206 | | | | | | | | | | | | | | | |
| | GW 42 207 | | | | | | | | | | | | | | | |
| 8M | GW 42 202 | 180 | 180 | 100 | 172 | 172 | 55 | 78.5 | 48 | 9.3 | 55 | 125 | 25 | 3 | 138 | 100 |
| | GW 42 208 | | | | | | | | | | | | | | | |
| | GW 42 203 | | | | | | | | | | | | | | | |







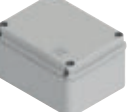
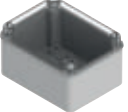
WATERTIGHT FLUSH-MOUNTING ENCLOSURES



SPARE "BREAKABLE" GLASS












| Code | G' | H' |
|-----------|----|-----|
| GW 42 201 | 79 | 79 |
| 4 MODULES | 74 | 63 |
| 8 MODULES | 74 | 142 |

| 44 CE RANGE - SURFACE-MOUNTING JUNCTION BOXES | | | | | | | | | |
|---|-----------------|---|---|---|---|---|--|--|--|
| Material | | Technopolymer GW PLAST 75 | | | | | | | |
| Heat resistance | | Thermo-pressure with ball: 85°C | | | | | | | |
| Fire resistance | | Glow Wire Test: 650°C - UL94: HB | | | | | | | |
| Applications | | For ordinary junctions | | | | | | | |
| Degree of protection | | IP44 | IP55 | | | IP56 | | | |
| Walls | | with quick entry cable glands | with quick entry cable glands | | smooth | smooth | | | |
| Depth of back-mounting box | | standard | standard | | standard | standard | | high capacity | |
| Cover | | blank plain | 1/4 turn screws blank plain | blank plain | 1/4 turn screws blank plain | blank plain | deep blank | blank plain | transparent plain |
| INTERNAL DIMENSIONS OF BOX BASE LxH (mm) | Dimensions (mm) |  |  |  |  |  |  |  |  |
| | Ø 65 | GW 44 001 | | | | | | | |
| | Ø 80 | GW 44 002 | | | | | | | |
| | 80x80 | GW 44 003 | | | | | | | |
| | 100x100 | | GW 44 024 | GW 44 004 | GW 44 234 | GW 44 204 | GW 44 214 | GW 44 114 | |
| | 120x80 | | | GW 44 005 | | GW 44 205 | GW 44 215 | | |
| | 150x110 | | GW 44 026 | GW 44 006 | GW 44 236 | GW 44 206 | GW 44 216 | | |
| | 190x140 | | | GW 44 007 | | GW 44 207 | GW 44 217 | GW 44 117 | GW 44 137 |
| | 240x190 | | | GW 44 008 | | GW 44 208 | GW 44 218 | GW 44 118 | GW 44 138 |
| | 300x220 | | | GW 44 009 | | GW 44 209 | GW 44 219 | GW 44 119 | GW 44 139 |
| | 380x300 | | | GW 44 010 | | GW 44 210 | GW 44 220 | GW 44 120 | GW 44 140 |
| | 460x380 | | | GW 44 011 | | GW 44 211 | GW 44 221 | | |

version with Halogen-free material.
(*) versions with red back-mounting box and grey lid
(**) versions CSA approved (in accordance to the UL50 Standard)
In green: insulation voltage Ui=1000V according to EN 60670-1 and EN 60670-22. For photovoltaic applications use the wall fixing brackets , code GW 44 621.
In red: insulation voltage Ui=750V according to EN 60670-1 and EN 60670-22. For photovoltaic applications use the wall fixing brackets , code GW 44 621.

44 CE RANGE - SURFACE-MOUNTING JUNCTION BOXES

| Technopolymer GW PLAST 75 | | | | | Technopolymer GW PLAST 120 | | | |
|---|---|---|--|--|---|--|---|--|
| Thermo-pressure with ball: 85°C | | | | | Thermo-pressure with ball: 110°C | | | |
| Glow Wire Test: 960°C - UL94 V0 | | | | | Glow Wire Test: 650°C - UL94: HB | | | |
| For special uses (e.g. raised floors, suspended ceilings...) | | | | | For industrial uses | | | |
| IP44 | IP55 | | IP56 | | IP56 | | | |
| with quick entry cable glands | with quick entry cable glands | | smooth | | smooth | | | |
| standard | standard | | standard | | standard | | | |
| blank plain | 1/4 turn screws blank plain | blank plain | blank plain | deep blank | blank plain | deep blank | transparent plain | transparent deep |
|  |  |  |  |  |  |  |  |  |
| GW 44 051 GW 44 051 R (*) | | | | | | | | |
| GW 44 052 | | | | | | | | |
| GW 44 053 GW 44 053 R (*) | | | | | | | | |
| | GW 44 054 GW 44 054 R (*) | | GW 44 274 | GW 44 254 | GW 44 404 | GW 44 414 | | |
| | | GW 44 055 | GW 44 275 | GW 44 255 | GW 44 405 | GW 44 415 | | |
| | GW 44 056 GW 44 056 R (*) | | GW 44 276 | GW 44 256 | GW 44 406 | GW 44 416 | GW 44 426 | GW 44 436 |
| | | GW 44 057 | GW 44 277 GW 44 276 C (**) | GW 44 257 | GW 44 407 | GW 44 417 | GW 44 427 | GW 44 437 |
| | | GW 44 058 | GW 44 278 GW 44 277 C (**) | GW 44 258 | GW 44 408 | GW 44 418 | GW 44 428 | GW 44 438 |
| | | GW 44 059 | GW 44 279 | GW 44 259 | GW 44 409 | GW 44 419 | GW 44 429 | GW 44 439 |
| | | GW 44 060 | GW 44 280 | GW 44 260 | GW 44 410 | GW 44 420 | GW 44 430 | GW 44 440 |
| | | GW 44 061 | GW 44 281 | GW 44 261 | GW 44 411 | GW 44 421 | GW 44 431 | GW 44 441 |

| | | | ACCESSORIES APPLICATION TABLE | | | | | | | | | | | |
|--|---|---|--------------------------------------|------|------|-------|---------|--------|---------|---------|---------|---------|---------|----------|
| | | | INTERNAL DIMENSIONS OF BOX BASE (mm) | | | | | | | | | | | |
| | | | Code | Ø 65 | Ø 80 | 80x80 | 100x100 | 120x80 | 150x110 | 190x140 | 240x190 | 300x220 | 380x300 | 460x380 |
| ACCESSORIES FOR COUPLING AND JUNCTION SURFACE-MOUNTING BOXES | EQUIPOTENTIAL SINGLE-POLE TERMINAL BLOCKS |  | GW 44 704 | • | • | • | • | • | • | • | • | • | • | • |
| | | | GW 44 706 | • | • | • | • | • | • | • | • | • | • | • |
| | | | GW 44 708 | | • | • | • | • | • | • | • | • | • | • |
| | |  | GW 44 671 | • | • | • | • | • | • | • | • | • | • | • |
| | | | GW 44 672 | | • | • | • | • | • | • | • | • | • | • |
| | | | GW 44 673 | | | | • | | • | • | • | • | • | • |
| | | | GW 44 674 | | | | | | • | • | • | • | • | • |
| | | | GW 44 675 | | | | | | • | • | • | • | • | • |
| | | | GW 44 676 | | | | | | • | • | • | • | • | • |
| | MULTIPLE TERMINAL BLOCKS |  | GW 44 606 | • | • | • | • | • | | | | | | |
| | | | GW 44 607 | • | • | • | • | • | | | | | | |
| | | | GW 44 608 | • | • | • | • | • | | | | | | |
| | MULTIPLE FEEDTHROUGH TERMINAL BLOCKS |  | GW 44 609 | | • | • | • | • | • | • | • | • | • | • |
| | | | GW 44 610 | | | | | | | | | | | |
| | | | GW 44 611 | | | | • | • | • | • | • | • | • | • |
| | | | GW 44 610 C (**) | | | | • | • | • | • | • | • | • | • |
| | | | GW 44 612 | | | | | | | | | | | |
| | | | GW 44 613 | | | | | | | | | | | |
| | BACK-MOUNTING PLATES | Galvanised sheet metal | GW 44 614 | | | | | | | • | • | • | • | • |
| | | | GW 44 615 | | | | | | | • | • (*) | | | |
| | | | GW 44 616 | | | | | | | | • | • (*) | | |
| | | | GW 44 617 | | | | | | | | | • | • (*) | |
| | | | GW 44 618 | | | | | | | | | | • | |
| | | Insulating material | GW 44 619 | | | | | | | | | | | • |
| | | | GW 44 625 | | | | | | | • | • (*) | | | |
| | | | GW 44 626 | | | | | | | | • | • (*) | | |
| | | | GW 44 627 | | | | | | | | | • | • (*) | |
| | | | GW 44 628 | | | | | | | | | | • | |
| | | | GW 44 629 | | | | | | | | | | | • |
| | COUPL. |  | GW 44 620 | | | | • | | | • | • | • | • | • |
| | SCREW CAPS |  | GW 44 622 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | | GW 44 623 | | | | | | | | | | 6 | supplied |
| | BRACKET |  | GW 44 621 | | | | | | | 6 | 8 | 12 | 16 | 8 |
| | Cable glands |  | GW 50 428 | | | | | | | | | | | |
| | | | GW 50 429 | 4 | 4 | 6 | | | | | | | | |
| | | | GW 50 430 | | | | 6 | 6 | 10 | | | | | |
| | | | GW 50 431 | | | | | | | 10 | 12 | | | |
| | | | GW 50 432 | | | | | | | | | 12 | 12 | 14 |

(*) GW 44 615 and GW 44 625 are also suitable for GW 44 118 and GW 44 138.

(**) CSA certified version (in accordance with UL50 standards).

GW 44 616 and GW 44 626 are also suitable for GW 44 119 and GW 44 139.

GW 44 617 and GW 44 627 are also suitable for GW 44 120 and GW 44 140.

Note: quick entry cable glands with exception GW 50 428.

44 CE

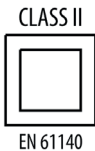
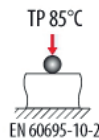
Technopolymer surface-mounting watertight junction boxes

Junction boxes with degree of protection up to IP56 for regular, special and industrial junctions. Made of technopolymer GWT 650°C (in halogen-free material) and GWT 960°C. 11 sizes with smooth walls or cable glands with quick input. Lids that may be shallow, deep, blank or transparent, and with conventional or ¼ turn screws. Also available with high-capacity back plate to create high electrification systems with the entry of pipes up to Ø50mm.



Technical characteristics page 1314

SURFACE-MOUNTING BOXES IN GWPLAST 75 - GWT 650°C - FOR ORDINARY JUNCTIONS



WALLS WITH QUICK ENTRY CABLE GLANDS - IP44 AND IP55



GW 44 001

JUNCTION BOXES WITH PLAIN PRESS-ON LID - IP44 - GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Entries No. holes / Ø | Pack Carton |
|-----------|-----------------------------|--------------------------|----------------|
| GW 44 001 | Ø 65x35 | 4 / 23 | 5/280 |
| GW 44 002 | Ø 80x40 | 4 / 23 | 5/135 |
| GW 44 003 | 80x80x40 | 6 / 23 | 5/90 |

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps.
CHARACTERISTICS: IP 44 boxes with IK07 impact resistance.
The external part of the junction box bottom is provided of central threaded seat. Quick entry cable glands for cables with Ø from 4 to 14 mm and tubes with Ø 16, 20 mm. pressure closing lid.



GW 44 024

JUNCTION BOXES WITH PLAIN QUICK FIXING LID - IP55 - GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Entries No. holes / Ø | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|--------------------------|-------------------------------|----------------|
| GW 44 024 | 100x100x50 | 6 / 29 | 4 insul. a 1/4 turn, sealable | 66 |
| GW 44 026 | 150x110x70 | 10 / 29 | 4 insul. a 1/4 turn, sealable | 40 |

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps.
CHARACTERISTICS: Quick entry cable glands for cables with Ø from 4 to 14 mm and tubes with Ø 16, 20 and 25 mm. the box bottom has 2 windows of dimensions 6 x 4 mm that allows the box mounting of the box, using the cables ties, to mesh wire cables trays, perforated cables trays, pole supports, etc...



GW 44 007

JUNCTION BOXES WITH PLAIN SCREWED LID - IP55 - GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Entries No. holes / Ø | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|--------------------------|------------------------------|----------------|
| GW 44 004 | 100x100x50 | 6 / 29 | 4 - Stainless steel | 66 |
| GW 44 005 | 120x80x50 | 6 / 29 | 4 - Stainless steel | 66 |
| GW 44 006 | 150x110x70 | 10 / 29 | 4 - Stainless steel | 40 |
| GW 44 007 | 190x140x70 | 10 / 37 | 4 insul. sealable hinged | 24 |
| GW 44 008 | 240x190x90 | 12 / 37 | 4 insul. sealable hinged | 12 |
| GW 44 009 | 300x220x120 | 12 / 48 | 4 insul. sealable hinged | 6 |
| GW 44 010 | 380x300x120 | 12 / 48 | 4 insul. sealable hinged | 4 |
| GW 44 011 | 460x380x120 | 14 / 48 | 6 insul. sealable hinged | 3 |

ACCESSORIES SUPPLIED: GW44011 screwcaps for double insulation.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.

CHARACTERISTICS:

quick entry cable glands, suitable for cables with Ø from 4 to 14mm.

For GW44007 and GW44008 quick entry cable glands suitable for conduits ø 16, 20, 25 and 32mm.

For GW44007, GW44008 quick entry cable glands suitable for conduits ø 16, 20, 25 and 32 mm.

For GW44009, GW44010, GW44011 quick entry cable glands suitable for conduits ø 16, 20, 25, 32 and 40mm.

SMOOTH WALLS - IP55 AND IP56



GW 44 234

JUNCTION BOXES WITH PLAIN QUICK FIXING LID - IP55 - GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Max Ø holes possible | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|-------------------------|-------------------------------|----------------|
| GW 44 234 | 100x100x50 | 29 mm | 4 insul. a 1/4 turn, sealable | 105 |
| GW 44 236 | 150x110x70 | 29 mm | 4 insul. a 1/4 turn, sealable | 50 |

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps.



GW 44 207

JUNCTION BOXES WITH PLAIN SCREWED LID - IP56 - GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Max Ø holes possible | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|-------------------------|------------------------------|----------------|
| GW 44 204 | 100x100x50 | 29 mm | 4 - Stainless steel | 105 |
| GW 44 205 | 120x80x50 | 29 mm | 4 - Stainless steel | 91 |
| GW 44 206 | 150x110x70 | 29 mm | 4 - Stainless steel | 50 |
| GW 44 207 | 190x140x70 | 37 mm | 4 insul. sealable hinged | 30 |
| GW 44 208 | 240x190x90 | 37 mm | 4 insul. sealable hinged | 14 |
| GW 44 209 | 300x220x120 | 48 mm | 4 insul. sealable hinged | 6 |
| GW 44 210 | 380x300x120 | 48 mm | 4 insul. sealable hinged | 4 |
| GW 44 211 | 460x380x120 | 48 mm | 6 insul. sealable hinged | 3 |

ACCESSORIES SUPPLIED: GW44211 screwcaps for double insulation.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.



GW 44 217

JUNCTION BOXES WITH DEEP SCREWED LID - IP56 - GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Max Ø holes possible | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|-------------------------|------------------------------|----------------|
| GW 44 214 | 100x100x120 | 29 mm | 4 - Stainless steel | 45 |
| GW 44 215 | 120x80x120 | 29 mm | 4 - Stainless steel | 55 |
| GW 44 216 | 150x110x140 | 29 mm | 4 - Stainless steel | 24 |
| GW 44 217 | 190x140x140 | 37 mm | 4 insul. sealable hinged | 16 |
| GW 44 218 | 240x190x160 | 37 mm | 4 insul. sealable hinged | 12 |
| GW 44 219 | 300x220x180 | 48 mm | 4 insul. sealable hinged | 7 |
| GW 44 220 | 380x300x180 | 48 mm | 4 insul. sealable hinged | 3 |
| GW 44 221 | 460x380x180 | 48 mm | 6 insul. sealable hinged | 2 |

ACCESSORIES SUPPLIED: GW44221 screwcaps for double insulation.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.

HIGH CAPACITY BOTTOM WITH SMOOTH WALLS - IP56



GW 44 117

JUNCTION BOXES WITH HIGH CAPACITY BOTTOM AND PLAIN SCREWED LID - GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Max Ø holes possible | Effective height of bottom | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|-------------------------|-------------------------------|------------------------------|----------------|
| GW 44 114 | 100x100x80 | 48 mm | 63 mm | 4 - Stainless steel | 1/45 |
| GW 44 117 | 190x140x110 | 54 mm | 83 mm | 4 insul. sealable hinged | 1/16 |
| GW 44 118 | 240x190x130 | 54 mm | 100 mm | 4 insul. sealable hinged | 1/12 |
| GW 44 119 | 300x220x170 | 54 mm | 119 mm | 4 insul. sealable hinged | 1/7 |
| GW 44 120 | 380x300x170 | 54 mm | 119 mm | 4 insul. sealable hinged | 1/3 |

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.
For all box/back-mounting plate combinations, refer to the summary.
APPLICATIONS: used to connect conduits up to Ø 40mm (for the 100x100x80mm version) and up to Ø 50mm (for the other sizes).
CHARACTERISTICS: for codes GW44117; GW44118; GW44119; GW44120, Ui=750V in accordance with EN 60670-1 and EN 60670-22. For applications in the photovoltaic environment, use the wall fixing brackets - code GW44621.



GW 44 137

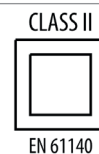
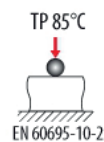
JUNCTION BOXES WITH HIGH CAPACITY BOTTOM AND TRANSPARENT PLAIN SCREWED LID
GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Max Ø holes possible | Effective height of bottom | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|-------------------------|-------------------------------|------------------------------|----------------|
| GW 44 137 | 190x140x110 | 54 mm | 83 mm | 4 insul. sealable hinged | 1/16 |
| GW 44 138 | 240x190x130 | 54 mm | 100 mm | 4 insul. sealable hinged | 1/12 |
| GW 44 139 | 300x220x170 | 54 mm | 119 mm | 4 insul. sealable hinged | 1/7 |
| GW 44 140 | 380x300x170 | 54 mm | 119 mm | 4 insul. sealable hinged | 1/3 |

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.
For all box/back-mounting plate combinations, refer to the summary.
APPLICATIONS: used to connect conduits up to Ø 50mm.
CHARACTERISTICS: for codes GW44137; GW44138; GW44139; GW44140, Ui=750V in accordance with EN 60670-1 and EN 60670-22.
For applications in the photovoltaic environment, use the wall fixing brackets - code GW44621.

SURFACE-MOUNTING BOXES IN GWPLAST 75 - GWT 960°C - FOR SPECIAL USES



WALLS WITH QUICK ENTRY CABLE GLANDS - IP44 AND IP55



GW 44 051

JUNCTION BOXES WITH PLAIN PRESS-ON LID - IP44 - GREY RAL 7035

GWT 960°

| Code | Internal dim. LxHxD (mm) | Entries No. holes / Ø | Pack Carton |
|-----------|-----------------------------|--------------------------|----------------|
| GW 44 051 | Ø 65x35 | 4 / 23 | 5/280 |
| GW 44 052 | Ø 80x40 | 4 / 23 | 5/135 |
| GW 44 053 | 80x80x40 | 6 / 23 | 5/90 |

CHARACTERISTIC: Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1. IK07 impact resistance.

The external part of the junction box bottom is provided of central threaded seat.

Quick entry cable glands for cables with Ø from 4 to 14 mm and tubes with Ø 16, 20 mm. pressure closing lid.

APPLICATIONS: ideal for applications requiring a minimum GWT of 850°C in compliance with standards EN 60670 and IEC 60670, such as floating floors and suspended ceilings.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps.

Quick entry cable glands for cables with Ø from 4 to 14 mm and tubes with Ø 16, 20 mm.



GW 44 054

JUNCTION BOXES WITH PLAIN QUICK FIXING LID - IP55 - GREY RAL 7035

GWT 960°

| Code | Internal dim. LxHxD (mm) | Entries No. holes / Ø | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|--------------------------|-------------------------------|----------------|
| GW 44 054 | 100x100x50 | 6 / 29 | 4 insul. a 1/4 turn, sealable | 66 |
| GW 44 056 | 150x110x70 | 10 / 29 | 4 insul. a 1/4 turn, sealable | 40 |

CHARACTERISTICS: Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1. Quick entry cable glands for cables with Ø from 4 to 14 mm and tubes with Ø 16, 20 and 25 mm. the box bottom has 2 windows of dimensions 6 x 4 mm that allows the box mounting of the box, using the cables ties, to mesh wire cables trays, perforated cables trays, pole supports, etc...

APPLICATIONS: ideal for applications requiring a minimum GWT of 850°C in compliance with standards EN 60670 and IEC 60670, such as floating floors and suspended ceilings.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps.



GW 44 051 R

JUNCTION BOXES WITH PLAIN PRESS-ON LID - IP44 BOX BASE RED RAL 3000, LID AND CABLE GLAND GREY RAL 7035

GWT 960°

| Code | Internal dim. LxHxD (mm) | Entries No. holes / Ø | Pack Carton |
|-------------|-----------------------------|--------------------------|----------------|
| GW 44 051 R | Ø 65x35 | 4 / 23 | 5/280 |
| GW 44 053 R | 80x80x40 | 6 / 23 | 5/90 |

CHARACTERISTICS: Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1. thermo-pressure with ball = 75° C.

The external part of the junction box bottom is provided of central threaded seat.

Quick entry cable glands for cables with Ø from 4 to 14 mm and tubes with Ø 16, 20 mm. pressure closing lid.

APPLICATION: Ideal for safety circuits (door release, illumination, signal) and for ideal for applications requiring a minimum GWT of 850°C in compliance with standards EN 60670 and IEC 60670, such as floating floors and suspended ceilings.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps.

Quick entry cable glands for cables with Ø from 4 to 14 mm and tubes with Ø 16, 20 mm.



GW 44 054 R

JUNCTION BOXES WITH PLAIN QUICK FIXING LID - IP55
BOX BASE RED RAL 3000, LID AND CABLE GLAND GREY RAL 7035

| GWT 960° | | | | |
|-------------|-----------------------------|--------------------------|-------------------------------|----------------|
| Code | Internal dim. LxHxD (mm) | Entries No. holes / Ø | Lid screws (no. and type) | Pack Carton |
| GW 44 054 R | 100x100x50 | 6 / 29 | 4 insul. a 1/4 turn, sealable | 66 |
| GW 44 056 R | 150x110x70 | 10 / 29 | 4 insul. a 1/4 turn, sealable | 40 |

CHARACTERISTICS: Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1. thermo-pressure with ball = 75° C. Quick entry cable glands for cables with Ø from 4 to 14 mm and tubes with Ø 16, 20 and 25 mm. the box bottom has 2 windows of dimensions 6 x 4 mm that allows the box mounting of the box, using the cables ties, to mesh wire cables trays, perforated cables trays, pole supports, etc...

APPLICATIONS: ideal for applications requiring a minimum GWT of 850°C in compliance with standards EN 60670 and IEC 60670, such as floating floors and suspended ceilings.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps.

Quick entry cable glands for cables with Ø from 4 to 14 mm and tubes with Ø 16, 20 and 25 mm.



GW 44 057

JUNCTION BOXES WITH PLAIN SCREWED LID - IP55 - GREY RAL 7035

| GWT 960° | | | | |
|-----------|-----------------------------|--------------------------|------------------------------|----------------|
| Code | Internal dim. LxHxD (mm) | Entries No. holes / Ø | Lid screws (no. and type) | Pack Carton |
| GW 44 055 | 120x80x50 | 6 / 29 | 4 - Stainless steel | 66 |
| GW 44 057 | 190x140x70 | 10 / 37 | 4 insul. sealable hinged | 24 |
| GW 44 058 | 240x190x90 | 12 / 37 | 4 insul. sealable hinged | 12 |
| GW 44 059 | 300x220x120 | 12 / 48 | 4 insul. sealable hinged | 6 |
| GW 44 060 | 380x300x120 | 12 / 48 | 4 insul. sealable hinged | 4 |
| GW 44 061 | 460x380x120 | 14 / 48 | 4 insul. sealable hinged | 3 |

ACCESSORIES SUPPLIED: GW44061 screwcaps for double insulation.

CHARACTERISTICS: Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1.

APPLICATIONS: ideal for applications requiring a minimum GWT of 850°C in compliance with standards EN 60670 and IEC 60670, such as floating floors and suspended ceilings.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.

For GW44055 quick entry cable glands, suitable for cables with Ø from 4 to 14mm and conduits Ø 16, 20 and 25mm.

For GW44057 and GW44058 quick entry cable glands, suitable for cables with Ø from 4 to 14mm and conduits Ø 16, 20, 25 and 32mm.

For GW44059, GW44060 and GW44061 quick entry cable glands, suitable for cables with Ø from 4 to 14mm and conduits Ø 16, 20, 25, 32 and 40mm.

SMOOTH WALLS - IP56



GW 44 277

JUNCTION BOXES WITH PLAIN SCREWED LID - IP56 - GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Max Ø holes possible | Lid screws (no. and type) | Pack Carton |
|-------------|-----------------------------|-------------------------|------------------------------|----------------|
| GW 44 274 | 100x100x50 | 29 mm | 4 - Stainless steel | 105 |
| GW 44 275 | 120x80x50 | 29 mm | 4 - Stainless steel | 91 |
| GW 44 276 | 150x110x70 | 29 mm | 4 - Stainless steel | 50 |
| GW 44 276 C | 150x110x70 | 29 mm | 4 - Stainless steel | 50 |
| GW 44 277 | 190x140x70 | 37 mm | 4 insul. sealable hinged | 30 |
| GW 44 277 C | 190x140x70 | 37 mm | 4 insul. sealable hinged | 30 |
| GW 44 278 | 240x190x90 | 37 mm | 4 insul. sealable hinged | 14 |
| GW 44 279 | 300x220x120 | 48 mm | 4 insul. sealable hinged | 6 |
| GW 44 280 | 380x300x120 | 48 mm | 4 insul. sealable hinged | 4 |
| GW 44 281 | 460x380x120 | 48 mm | 6 insul. sealable hinged | 3 |

ACCESSORIES SUPPLIED: GW44281 screwcaps for double insulation.

CHARACTERISTICS: for codes GW44277; GW44277C; GW44278; GW44279; GW44280; GW44281 Ui=750V in accordance with EN 60670-1 and EN 60670-22.

For applications in the photovoltaic environment, use the surface-mounting brackets - code GW44621. Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1. For junction boxes GW44276C and GW44277C, thermo-pressure with ball TP = 75° C according to EN 60670-1 and IEC 60670-1.

APPLICATIONS: ideal for applications requiring a minimum GWT of 850°C in compliance with standards EN 60670 and IEC 60670, such as floating floors and suspended ceilings.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.

Junction boxes GW44276C and GW44277C certified CSA (in accordance with UL50). To be used with multipolar terminal blocks 5 6 mm2 GW44610C.



GW 44 260

JUNCTION BOXES WITH DEEP SCREWED LID - IP56 - GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Max Ø holes possible | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|-------------------------|------------------------------|----------------|
| GW 44 254 | 100x100x120 | 29 mm | 4 - Stainless steel | 45 |
| GW 44 255 | 120x80x120 | 29 mm | 4 - Stainless steel | 55 |
| GW 44 256 | 150x110x140 | 29 mm | 4 - Stainless steel | 24 |
| GW 44 257 | 190x140x140 | 37 mm | 4 insul. sealable hinged | 16 |
| GW 44 258 | 240x190x160 | 37 mm | 4 insul. sealable hinged | 12 |
| GW 44 259 | 300x220x180 | 48 mm | 4 insul. sealable hinged | 7 |
| GW 44 260 | 380x300x180 | 48 mm | 4 insul. sealable hinged | 3 |
| GW 44 261 | 460x380x180 | 48 mm | 6 insul. sealable hinged | 2 |

ACCESSORIES SUPPLIED: GW44261 screwcaps for double insulation.

CHARACTERISTICS: for codes GW44257; GW44258; GW44259; GW44260; GW44261 Ui=750V in accordance with EN 60670-1 and EN 60670-22.

For applications in the photovoltaic environment, use the wall fixing brackets - code GW44621. Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1.

APPLICATIONS: ideal for applications requiring a minimum GWT of 850°C in compliance with standards EN 60670 and IEC 60670, such as floating floors and suspended ceilings.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.

SURFACE-MOUNTING BOXES IN GWPLAST 120 - GWT 650°C - FOR INDUSTRIAL USES

INSTALLATION

min

-25°C

max

+60°C

IK08

GWT 650°C

EN 60695-2-11

TP 110°C

EN 60695-10-2

CLASS II


EN 61140

BLANK LID - IP56



GW 44 407

BOXES WITH SMOOTH WALLS FOR JUNCTIONS AND FOR ELECTRIC AND ELECTRONIC EQUIPMENT
PLAIN SCREWED LID - GREY RAL 7035


EN 60754-2

| Code | Internal dim. LxHxD (mm) | Max Ø holes possible | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|-------------------------|------------------------------|----------------|
| GW 44 404 | 100x100x50 | 29 mm | 4 - Stainless steel | 108 |
| GW 44 405 | 120x80x50 | 29 mm | 4 - Stainless steel | 108 |
| GW 44 406 | 150x110x70 | 29 mm | 4 - Stainless steel | 50 |
| GW 44 407 | 190x140x70 | 37 mm | 4 insul. sealable hinged | 32 |
| GW 44 408 | 240x190x90 | 37 mm | 4 insul. sealable hinged | 14 |
| GW 44 409 | 300x220x120 | 48 mm | 4 insul. sealable hinged | 6 |
| GW 44 410 | 380x300x120 | 48 mm | 4 insul. sealable hinged | 4 |
| GW 44 411 | 460x380x120 | 48 mm | 6 insul. sealable hinged | 3 |

ACCESSORIES SUPPLIED: GW44411 screwcaps for double insulation.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.


CHARACTERISTICS: for codes GW44407; GW44408; GW44409; GW44410; GW44411 Ui=1000V in accordance with EN 60670-1 and EN 60670-22.

For applications in the photovoltaic environment, use the wall fixing brackets - code GW44621.



GW 44 417

BOXES WITH SMOOTH WALLS FOR JUNCTIONS AND FOR ELECTRIC AND ELECTRONIC EQUIPMENT
DEEP SCREWED LID - GREY RAL 7035


EN 60754-2

| Code | Internal dim. LxHxD (mm) | Max Ø holes possible | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|-------------------------|------------------------------|----------------|
| GW 44 414 | 100x100x120 | 29 mm | 4 - Stainless steel | 45 |
| GW 44 415 | 120x80x120 | 29 mm | 4 - Stainless steel | 55 |
| GW 44 416 | 150x110x140 | 29 mm | 4 - Stainless steel | 24 |
| GW 44 417 | 190x140x140 | 37 mm | 4 insul. sealable hinged | 16 |
| GW 44 418 | 240x190x160 | 37 mm | 4 insul. sealable hinged | 12 |
| GW 44 419 | 300x220x180 | 48 mm | 4 insul. sealable hinged | 7 |
| GW 44 420 | 380x300x180 | 48 mm | 4 insul. sealable hinged | 3 |
| GW 44 421 | 460x380x180 | 48 mm | 6 insul. sealable hinged | 2 |

ACCESSORIES SUPPLIED: GW44421 screwcaps for double insulation.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.

CHARACTERISTICS: for codes GW44417; GW44418; GW44419; GW44420; GW44421 Ui=1000V in accordance with EN 60670-1 and EN 60670-22.

For applications in the photovoltaic environment, use the wall fixing brackets - code GW44621.

TRANSPARENT LID - IP56



GW 44 427

BOXES WITH SMOOTH WALLS FOR JUNCTIONS AND FOR ELECTRIC AND ELECTRONIC EQUIPMENT PLAIN SCREWED LID - GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Max Ø holes possible | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|-------------------------|------------------------------|----------------|
| GW 44 426 | 150x110x70 | 29 mm | 4 - Stainless steel | 50 |
| GW 44 427 | 190x140x70 | 37 mm | 4 insul. sealable hinged | 32 |
| GW 44 428 | 240x190x90 | 37 mm | 4 insul. sealable hinged | 14 |
| GW 44 429 | 300x220x120 | 48 mm | 4 insul. sealable hinged | 6 |
| GW 44 430 | 380x300x120 | 48 mm | 4 insul. sealable hinged | 4 |
| GW 44 431 | 460x380x120 | 48 mm | 6 insul. sealable hinged | 3 |

ACCESSORIES SUPPLIED: GW44431 screwcaps for double insulation.

NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.

CHARACTERISTICS: for codes GW44427; GW44428; GW44429; GW44430; GW44431 Ui=1000V in accordance with EN 60670-1 and EN 60670-22.

For applications in the photovoltaic environment, use the wall fixing brackets - code GW44621.



GW 44 437

BOXES WITH SMOOTH WALLS FOR JUNCTIONS AND FOR ELECTRIC AND ELECTRONIC EQUIPMENT DEEP SCREWED LID - GREY RAL 7035



| Code | Internal dim. LxHxD (mm) | Max Ø holes possible | Lid screws (no. and type) | Pack Carton |
|-----------|-----------------------------|-------------------------|------------------------------|----------------|
| GW 44 436 | 150x110x140 | 29 mm | 4 - Stainless steel | 24 |
| GW 44 437 | 190x140x140 | 37 mm | 4 insul. sealable hinged | 16 |
| GW 44 438 | 240x190x160 | 37 mm | 4 insul. sealable hinged | 12 |
| GW 44 439 | 300x220x180 | 48 mm | 4 insul. sealable hinged | 7 |
| GW 44 440 | 380x300x180 | 48 mm | 4 insul. sealable hinged | 3 |
| GW 44 441 | 460x380x180 | 48 mm | 6 insul. sealable hinged | 2 |

ACCESSORIES SUPPLIED: GW44441 screwcaps for double insulation.

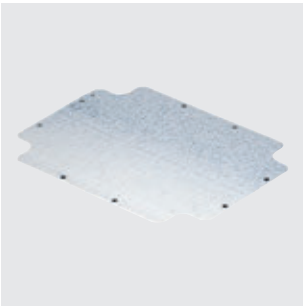
NOTES: to restore the double insulation and original IP degree of protection of the boxes, use the isolating screwcaps or the surface-mounting fixing brackets for boxes measuring at least 190x140mm.

CHARACTERISTICS: for codes GW44437; GW44438; GW44439; GW44440; GW44441 Ui=1000V in accordance with EN 60670-1 and EN 60670-22.

For applications in the photovoltaic environment, use the wall fixing brackets - code GW44621.

COMPLEMENTARY ITEMS

BACK-MOUNTING PLATES

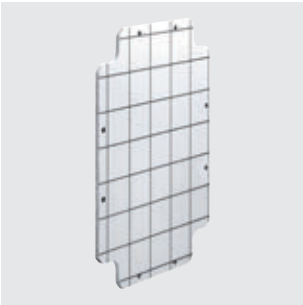


GW 44 615

BACK-MOUNTING PLATE IN GALVANISED STEEL WITH SELF-TAPPING FIXING SCREWS

| Code | For boxes centre distance BxH (mm) | Pack Carton |
|-----------|---------------------------------------|----------------|
| GW 44 615 | 190x140 | 20 |
| GW 44 616 | 240x190 | 20 |
| GW 44 617 | 300x220 | 20 |
| GW 44 618 | 380x300 | 5 |
| GW 44 619 | 460x380 | 5 |

NOTES: GW44615 also fitted for high capacity boxes GW44118 and GW44138.
GW44616 also fitted for high capacity boxes GW44119 and GW44139.
GW44617 also fitted for high capacity boxes GW44120 and GW44140.



GW 44 625

BACK-MOUNTING PLATE IN INSULATED MATERIAL WITH SELF-TAPPING FIXING SCREWS

| Code | For boxes centre distance BxH (mm) | Pack Carton |
|-----------|---------------------------------------|----------------|
| GW 44 625 | 190x140 | 20 |
| GW 44 626 | 240x190 | 20 |
| GW 44 627 | 300x220 | 20 |
| GW 44 628 | 380x300 | 4 |
| GW 44 629 | 460x380 | 5 |

NOTES: GW44625 also fitted for high capacity boxes GW44118 and GW44138.
GW44626 also fitted for high capacity boxes GW44119 and GW44139.
GW44627 also fitted for high capacity boxes GW44120 and GW44140.

INSTALLATION AND COUPLING ELEMENTS



GW 44 622

INSULATING SCREW CAPS



| Code | Description | Pack Carton |
|-----------|----------------|----------------|
| GW 44 622 | Screwcap Ø16mm | 10/100 |
| GW 44 623 | Screwcap Ø25mm | 10/100 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.



GW 44 621

WALL FIXING BRACKET, COMPLETE WITH SELF-TAPPING SCREWS



| Code | For boxes centre distance BxH (mm) | Pack Carton |
|-----------|---|----------------|
| GW 44 621 | 300x220 380x300 460x380 190x140 240x190 | 40/480 |

APPLICATIONS: used to maintain the double insulation and the original IP degree of protection of the boxes, containers and other GEWISS products.
ACCESSORIES SUPPLIED: 2 fixing screws.



GW 44 620

WATERTIGHT COUPLER - IP56

| Code | For boxes centre distance BxH (mm) | For holes Ø (mm) | Ø ring nut (mm) | Internal Ø (mm) | Length (mm) | Pack Carton |
|------------------|---------------------------------------|---------------------|--------------------|--------------------|----------------|----------------|
| GW 44 620 | 300x220 380x300 460x380 | 48 | 58.5 | 39 | 37.5 | 10/160 |

NOTES: suitable for all boxes with high capacity bottom.



GW 50 430

CABLE GLANDS IN FLEXIBLE POLYMER - GREY RAL 7035 - IP55

| Code | For ext. conduits max (mm) | Mounting hole Ø (mm) | Glow Wire Test | Pack Carton |
|------------------|-------------------------------|-------------------------|----------------|----------------|
| GW 50 428 | 16 | 19 | 960 °C | 100/1000 |
| GW 50 429 | 20 | 23 | 960 °C | 100/1000 |
| GW 50 430 | 25 | 29 | 960 °C | 100/1000 |
| GW 50 431 | 32 | 37 | 960 °C | 50/500 |
| GW 50 432 | 40 | 48 | 960 °C | 35/350 |

NOTES: quick entry cable glands, except GW50428.

CHARACTERISTICS: quick entry cable glands, suitable for cables with Ø from 4 to 14mm.

Cable gland GW50429, suitable for conduits ø 16, 20mm.

Cable gland GW50430, suitable for conduits ø 16, 20, 25mm.

Cable gland GW50431, suitable for conduits ø 16, 20, 25, 32mm.

Cable gland GW50432, suitable for conduits ø 16, 20, 25, 32, 40mm.



GW 52 401

MULTI-DIAMETER DRILL MILLING CUTTER IN HSS STEEL TO DRILL BOXES, BOARDS AND TRUNKING IN INSULATING MATERIAL

| Code | Description | Ø of perforation | Pack Carton |
|------------------|----------------------|---------------------|----------------|
| GW 52 401 | Drill milling cutter | From 3.5 to 40 | 1/4 |

44 CE



VERSIONS WITH QUICK ENTRY CABLE GLANDS



The boxes fitted with cable glands make it possible to quickly insert rigid and flexible cables between ø 4 and 14 mm and rigid conduits. The innovative geometry guarantees high mechanical performance and ensures the maintenance of the degree of protection of the box, also with the cables or conduits inserted.

HIGH-CAPACITY BOXES



The high-capacity back-mounting boxes were designed in detail to optimise and facilitate installation and use, so that conduits with a wide diameter can also be connected (up to 50 mm). This attention to detail has produced a range of boxes that are ideal in systems with a high connection density.

HINGED COVER VERSIONS



All GEWISS junction boxes measuring 190x140 mm or more have plastic screws with a spherical head that makes it possible to open the cover like a small board (GEWISS patent). This innovative system also allows for sealing the coversd.

44 CE - SURFACE-MOUNTING BOXES IN GW PLAST® 75; GWT 650°C FOR ORDINARY JUNCTIONS

| TECHNICAL CHARACTERISTICS | |
|--|--|
| Standard: EN 60670-1 (CEI 23-48); EN 60670-22 (23-94) | Material: GW PLAST 75 technopolymer, versions with smooth walls, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) |
| Degree of protection: IP44; IP55; IP56 | Impact resistance: IK 07 (IP44 box) IK 08 (IP55 and IP56 boxes) |
| Protection against indirect contact: double insulation - □ (•) | Heat resistance: thermo-pressure with ball 85°C |
| Installation temperature: max. +60°C; min. -25°C | Resistance to abnormal heat and fire: Glow wire test 650°C |

(•) Complete insulation, in accordance with EN 61140 Standard, obtainable with GW 44 622 or GW 44 623 screwcaps or GW 44 621 fixing brackets in insulating material.
Spanner coupler - screwed lid: 1 Nm for boxes with dim. BxH (mm) 100x100 and 120x80; 1.2 Nm for boxes with dim. BxH (mm) 150x110; 1.8 Nm for boxes with dim. BxH (mm) form 190x140 to 460x380.

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|--------------------|-----------|--------------|-----------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Limited resistance | Resistant | Resistant | Resistant | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

44 CE - SURFACE-MOUNTING BOXES IN GW PLAST® 75; GWT 960°C FOR SPECIAL USES

| TECHNICAL CHARACTERISTICS | |
|--|--|
| Standard:EN 60670-1 (CEI 23-48); EN 60670-22 (23-94) | Material: GW PLAST 75 technopolymer |
| Degree of protection: IP44; IP55; IP56 | Impact resistance: IK 07 (IP44 box); IK 08 (IP55 and IP56 boxes) |
| Protection against indirect contact: double insulation - □ (•) | Heat resistance: thermo-pressure with ball 85°C (**) |
| Installation temperature: max. +60°C; min. -25°C | Resistance to abnormal heat and fire: Glow wire test 960°C |

(•) Complete insulation, in accordance with EN 61140 Standard, obtainable with GW 44 622 or GW 44 623 screwcaps or GW 44 621 fixing brackets in insulating material.
Spanner coupler - screwed lid: 1 Nm for boxes with dim. BxH (mm) 100x100 and 120x80; 1.2 Nm for boxes with dim. BxH (mm) 150x110; 1.8 Nm for boxes with dim. BxH (mm) form 190x140 to 460x380.

(**) fo boxes GW44051R; GW44053R; GW44054R, GW44056R, GW440276C e GW440277C thermo-pressure with ball = 75°C

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|--------------------|-----------|--------------|-----------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Limited resistance | Resistant | Resistant | Resistant | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

44 CE - SURFACE-MOUNTING BOXES IN GW PLAST® 120, GWT 650°C FOR INDUSTRIAL APPLICATIONS

TECHNICAL CHARACTERISTICS

Standard: EN 60670-1 (CEI 23-48); EN 60670-22 (23-94)

Degree of protection: IP56

Protection against indirect contact: double insulation - □ (•)

Installation temperature: max. +60°C; min. -25°C

Material: GW PLAST 120 technopolymer, halogen-free in accordance with

EN 60754-2 (CEI EN 50267-2-2)

Impact resistance: IK 08

Heat resistance: thermo-pressure with ball 110°C

Resistance to abnormal heat and fire: Glow wire test 650°C

(•) Complete insulation, in accordance with EN 61140 Standard, obtainable with GW 44 622 or GW 44 623 screwcaps or GW 44 621 fixing brackets in insulating material.
Spanner coupler - screwed lid: 1 Nm for boxes with dim. BxH (mm) 100x100 and 120x80; 1.2 Nm for boxes with dim. BxH (mm) 150x110; 1.8 Nm for boxes with dim. BxH (mm) form 190x140 to 460x380.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Incoming connection on cable glands

INSERTION OF CABLES

In order to make correctly the introduction of CABLES into the dedicated seat of the cable glands, it is necessary that:

1. The cable is cut with a miter cut on the side for insertion in cable gland



2. In the central area of the cable gland, dedicated for cables, make using a tool (eg. screwdriver), a hole of size:

| External Diameter Of Cable | Dimension of hole For Insertion of Cable |
|----------------------------|--|
| 4÷7 mm | 3.5 mm |
| >7÷9 mm | 6 mm |
| >9÷13mm | 8 mm |
| >13÷14mm | 9 mm |

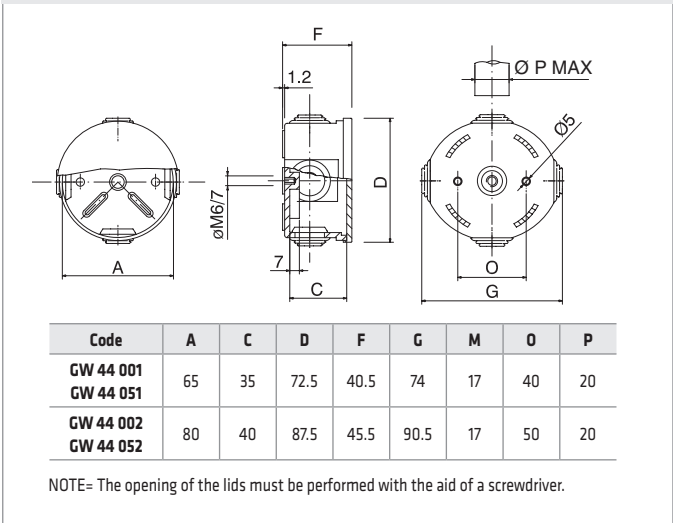
INSERTION OF RIGID PIPES

In order to make correctly the introduction of RIGID PIPES into the dedicated sectors of the cable glands, it is necessary that:

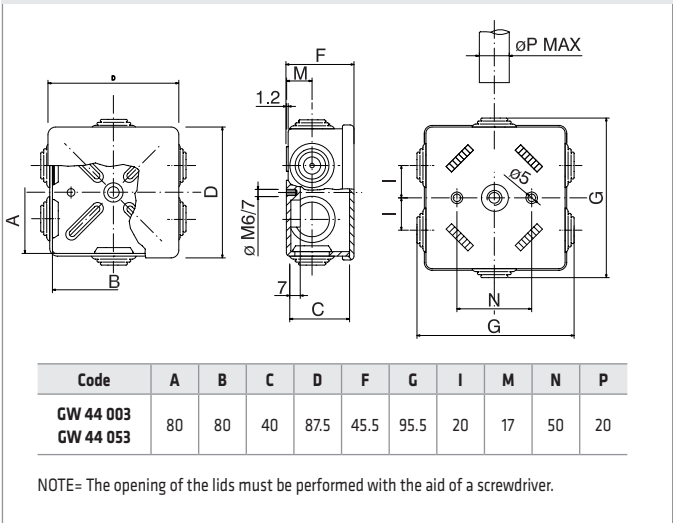
1. Remove completely the section of cable gland necessary to insert the rigid pipes by cutting the sector with cutter.
2. Remove any cutting waste from the rigid pipe before inserting it into the cable gland.

Dimension tables

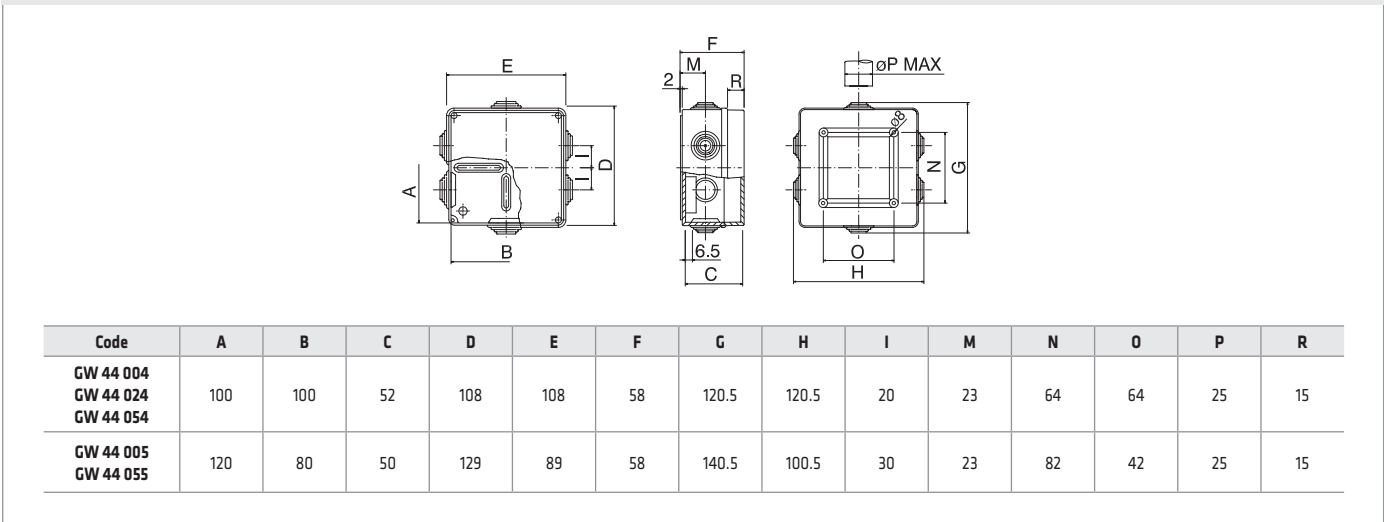
44 CE RANGE - JUNCTION BOXES WITH CABLE GLANDS



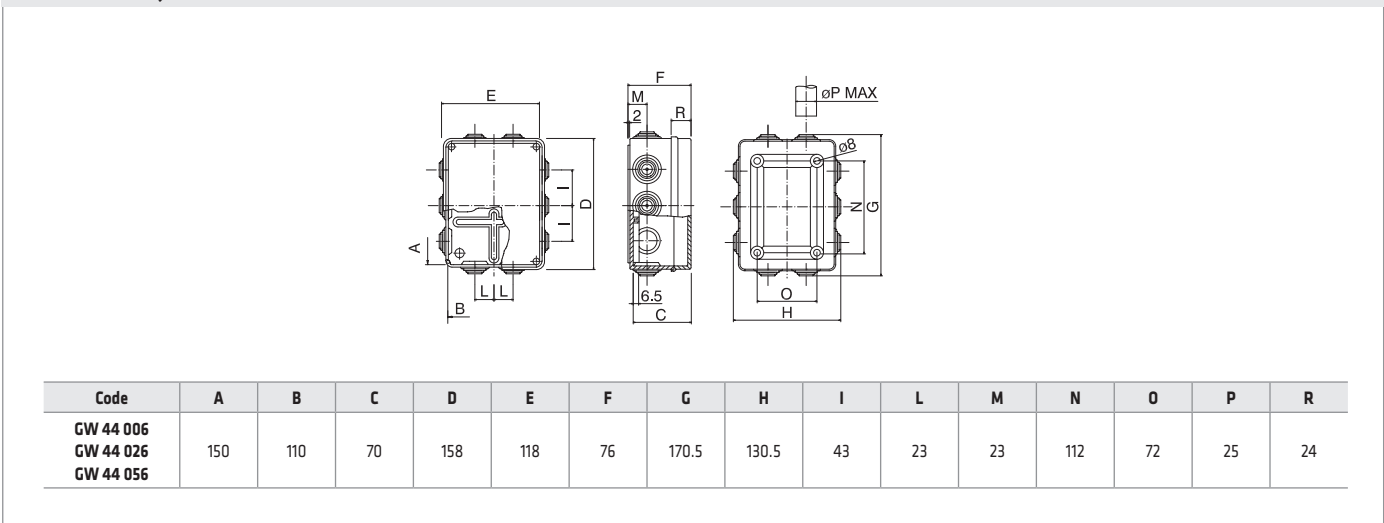
44 CE RANGE - JUNCTION BOXES WITH CABLE GLANDS

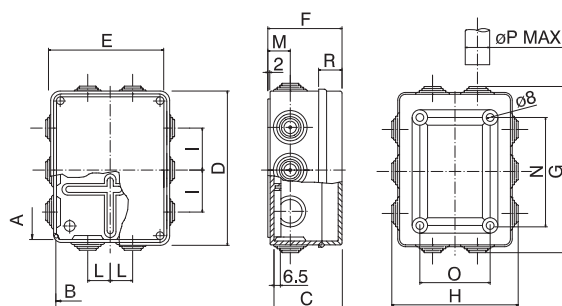


44 CE RANGE - JUNCTION BOXES WITH CABLE GLANDS

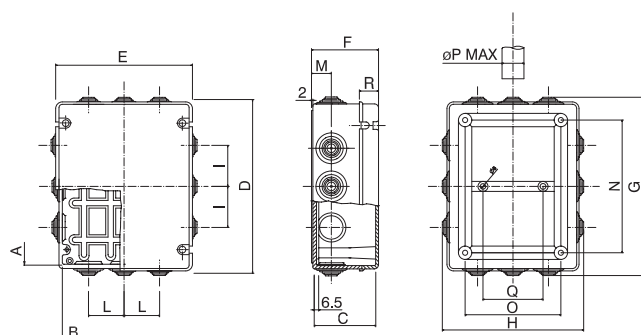


44 CE RANGE - JUNCTION BOXES WITH CABLE GLANDS

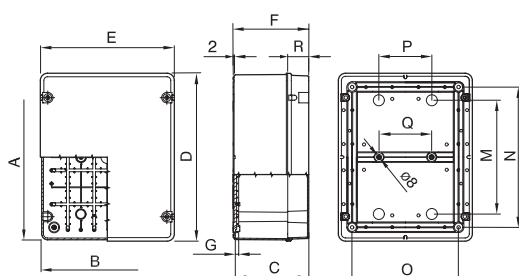


44 CE RANGE - JUNCTION BOXES WITH CABLE GLANDS


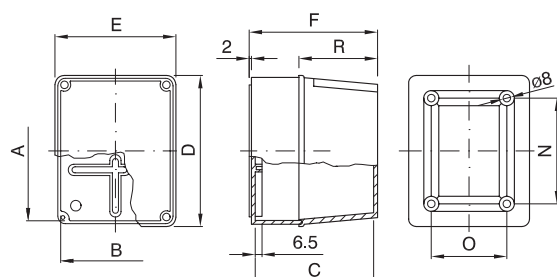
| Code | A | B | C | D | E | F | G | H | I | L | M | N | O | P | R |
|------------------------|-----|-----|----|-----|-----|----|-------|-------|----|----|----|-----|----|----|----|
| GW 44 007 GW 44 057 | 190 | 140 | 70 | 200 | 154 | 79 | 216.5 | 170.5 | 52 | 26 | 29 | 144 | 98 | 32 | 25 |

44 CE RANGE - JUNCTION BOXES WITH CABLE GLANDS


| Code | A | B | C | D | E | F | G | H | I | L | M | N | O | P | Q | R |
|------------------------|-----|-----|-----|-----|-----|-----|-------|-------|----|----|------|-----|-----|----|-----|------|
| GW 44 008 GW 44 058 | 240 | 190 | 90 | 254 | 200 | 98 | 270.5 | 215.5 | 60 | 52 | 29 | 194 | 140 | 32 | - | 28 |
| GW 44 009 GW 44 059 | 300 | 220 | 120 | 316 | 236 | 128 | 334.5 | 254.5 | 62 | 60 | 37.5 | 250 | 170 | 40 | - | 49.5 |
| GW 44 010 GW 44 060 | 380 | 300 | 120 | 396 | 316 | 128 | 414.5 | 334.5 | 71 | 62 | 37.5 | 331 | 251 | 40 | 124 | 49.5 |
| GW 44 011 GW 44 061 | 460 | 380 | 120 | 474 | 396 | 128 | 442.5 | 414.5 | 65 | 71 | 37.5 | 380 | 310 | 40 | 300 | 49.5 |

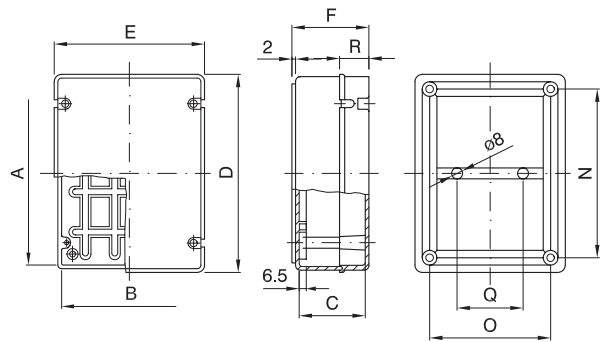
44 CE RANGE - JUNCTION BOXES WITH SMOOTH WALLS - PLAIN LID


| Code | A | B | C | D | E | F | N | O | R |
|---|-----|-----|----|-----|-----|----|-----|----|----|
| GW 44 204 GW 44 234 GW 44 274 GW 44 404 | 100 | 100 | 50 | 109 | 109 | 58 | 64 | 64 | 15 |
| GW 44 205 GW 44 275 GW 44 405 | 120 | 80 | 50 | 129 | 89 | 58 | 82 | 42 | 15 |
| GW 44 206 GW 44 236 GW 44 276C GW 44 276 GW 44 406 GW 44 426 | 150 | 110 | 70 | 159 | 119 | 76 | 112 | 72 | 24 |

44 CE RANGE - JUNCTION BOXES WITH SMOOTH WALLS - DEEP LID


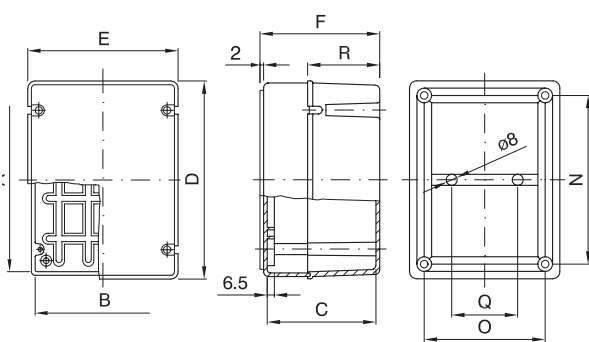
| Code | A | B | C | D | E | F | N | O | R |
|--|-----|-----|-----|-----|-----|-----|-----|----|----|
| GW 44 214 GW 44 414 GW 44 254 | 100 | 100 | 120 | 109 | 109 | 126 | 64 | 64 | 83 |
| GW 44 215 GW 44 415 GW 44 255 | 120 | 80 | 120 | 129 | 89 | 126 | 82 | 42 | 83 |
| GW 44 216 GW 44 416 GW 44 436 GW 44 256 | 150 | 110 | 140 | 159 | 119 | 146 | 112 | 72 | 94 |

44 CE RANGE - JUNCTION BOXES WITH SMOOTH WALLS -
PLAIN LID



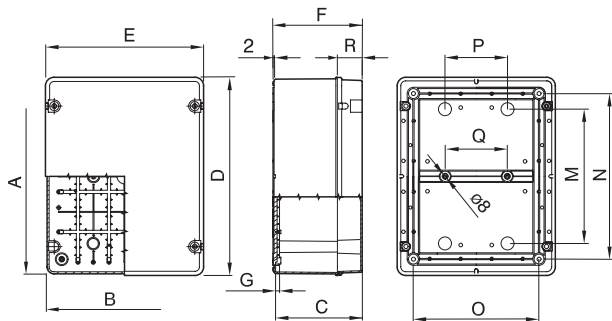
| Code | A | B | C | D | E | F | N | O | Q | R |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| GW 44 207 | | | | | | | | | | |
| GW 44 277C | | | | | | | | | | |
| GW 44 277 | 190 | 140 | 70 | 200 | 154 | 79 | 144 | 98 | - | 25 |
| GW 44 407 | | | | | | | | | | |
| GW 44 427 | | | | | | | | | | |
| GW 44 208 | | | | | | | | | | |
| GW 44 278 | 240 | 190 | 90 | 254 | 200 | 98 | 194 | 140 | - | 28 |
| GW 44 408 | | | | | | | | | | |
| GW 44 428 | | | | | | | | | | |
| GW 44 209 | | | | | | | | | | |
| GW 44 279 | 300 | 220 | 120 | 316 | 236 | 128 | 250 | 170 | - | 49.5 |
| GW 44 409 | | | | | | | | | | |
| GW 44 429 | | | | | | | | | | |
| GW 44 210 | | | | | | | | | | |
| GW 44 280 | 380 | 300 | 120 | 396 | 316 | 128 | 331 | 251 | 124 | 49.5 |
| GW 44 410 | | | | | | | | | | |
| GW 44 430 | | | | | | | | | | |
| GW 44 211 | | | | | | | | | | |
| GW 44 281 | 460 | 380 | 120 | 474 | 396 | 128 | 380 | 310 | 300 | 49.5 |
| GW 44 411 | | | | | | | | | | |
| GW 44 431 | | | | | | | | | | |

44 CE RANGE - JUNCTION BOXES WITH SMOOTH WALLS -
DEEP LID



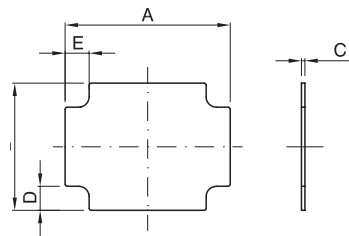
| Code | A | B | C | D | E | F | N | O | Q | R |
|-----------|-----|-----|-----|-----|-----|-------|-----|-----|-----|-------|
| GW 44 217 | | | | | | | | | | |
| GW 44 417 | 190 | 140 | 140 | 200 | 154 | 148 | 144 | 98 | - | 94 |
| GW 44 437 | | | | | | | | | | |
| GW 44 257 | | | | | | | | | | |
| GW 44 218 | | | | | | | | | | |
| GW 44 418 | 240 | 190 | 160 | 254 | 200 | 167.5 | 194 | 140 | - | 97.5 |
| GW 44 438 | | | | | | | | | | |
| GW 44 258 | | | | | | | | | | |
| GW 44 219 | | | | | | | | | | |
| GW 44 419 | 300 | 220 | 180 | 316 | 236 | 188 | 250 | 170 | - | 109.5 |
| GW 44 439 | | | | | | | | | | |
| GW 44 259 | | | | | | | | | | |
| GW 44 220 | | | | | | | | | | |
| GW 44 420 | 380 | 300 | 180 | 396 | 316 | 188 | 331 | 251 | 124 | 109.5 |
| GW 44 440 | | | | | | | | | | |
| GW 44 260 | | | | | | | | | | |
| GW 44 221 | | | | | | | | | | |
| GW 44 421 | 460 | 380 | 180 | 474 | 396 | 188 | 380 | 310 | 300 | 109.5 |
| GW 44 441 | | | | | | | | | | |
| GW 44 261 | | | | | | | | | | |

44 CE RANGE - JUNCTION BOXES WITH SMOOTH WALLS -
HIGH CAPACITY BOTTOM



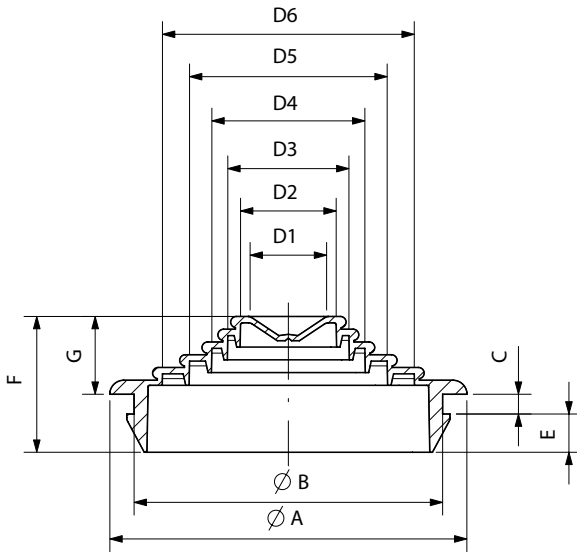
| Code | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW 44 114 | 100 | 100 | 80 | 109 | 109 | 86 | 6.5 | - | 64 | 64 | - | - | 15 | | | | | | | | | | | | | |
| GW 44 117 | 190 | 140 | 110 | 201 | 154 | 118 | 7.8 | - | 144 | 98 | - | - | 25 | | | | | | | | | | | | | |
| GW 44 137 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GW 44 118 | 240 | 190 | 130 | 255 | 201 | 138 | 7.8 | - | 194 | 140 | - | - | 28 | | | | | | | | | | | | | |
| GW 44 138 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GW 44 119 | 300 | 220 | 170 | 316 | 237 | 178 | 7.8 | 130 | 250 | 170 | 110 | - | 49.5 | | | | | | | | | | | | | |
| GW 44 139 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GW 44 120 | 380 | 300 | 170 | 396 | 316 | 178 | 7.8 | 269 | 331 | 251 | 125 | 124 | 49.5 | | | | | | | | | | | | | |
| GW 44 140 | | | | | | | | | | | | | | | | | | | | | | | | | | |

44 CE RANGE - JUNCTION BOXES WITH SMOOTH WALLS -
BACK-MOUNTING PLATES



| Code | A | B | C | D | E |
|-----------|-----|-----|-----|------|------|
| GW 44 615 | 170 | 130 | 1.5 | 26 | 26 |
| GW 44 625 | | | 4 | | |
| GW 44 616 | 230 | 170 | 1.5 | 28 | 28 |
| GW 44 626 | | | 4 | | |
| GW 44 617 | 287 | 207 | 1.5 | 28.5 | 28.5 |
| GW 44 627 | | | 4 | | |
| GW 44 618 | 363 | 283 | 2 | 26.5 | 56.5 |
| GW 44 628 | | | 4 | | |
| GW 44 619 | 438 | 360 | 2 | 55 | 44 |
| GW 44 629 | | | 4 | | |

CABLE GLANDS IP55

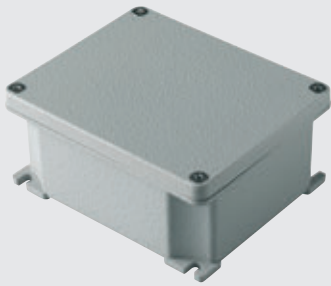


| Code | ØA | ØB | C | E | F | G | PIPES ENTRY | | | | | CABLES ENTRY |
|-----------|------|------|-----|-----|------|------|-------------|----|----|----|----|--------------|
| | | | | | | | D2 | D3 | D4 | D5 | D6 | D1 |
| GW 50 428 | 23.5 | 20 | 3 | 2.5 | 14 | 8.5 | 16 | | | | | Ø4.5 |
| GW 50 429 | 29.6 | 23.4 | 2.2 | 3.9 | 12.1 | 6 | 16 | 20 | | | | Ø4-Ø14 |
| GW 50 430 | 34.5 | 29.2 | 2.5 | 4.1 | 14.6 | 8 | 16 | 20 | 25 | 32 | | |
| GW 50 431 | 45 | 37.9 | 3.1 | 4.1 | 17.4 | 10.2 | 16 | 20 | 25 | 32 | | |
| GW 50 432 | 56 | 48.4 | 3.1 | 6 | 21.3 | 12.2 | 16 | 20 | 25 | 32 | 40 | |

GW Connect

Metal surface-mounting watertight junction boxes

Made of die-cast aluminium. In addition to junction and connection, they are also used in automation applications. The offer includes painted and unpainted versions and ATEX versions for Area 2 (G) and Area 22 (D). The stainless steel fixing screws of the cover are unlosable. The back plate of the box has an insert for the earth connection and is prepared for the assembly of the DIN rail. Accessories include back-mounting plates in galvanised steel.



Technical characteristics page 1322

WALL-MOUNTING BOXES IN DIE-CAST ALUMINIUM - IP66



PAINTED BOXES



GW 76 261

METALLISED GREY BOXES

| Code | Internal dim. LxHxD (mm) | IP degree | Pack Carton |
|-----------|-----------------------------|--------------|----------------|
| GW 76 261 | 91x91x54 | IP66 | 1/40 |
| GW 76 262 | 128x103x57 | IP66 | 1/32 |
| GW 76 263 | 155x130x58 | IP66 | 1/24 |
| GW 76 264 | 178x156x75 | IP66 | 1/16 |
| GW 76 265 | 239x202x85 | IP66 | 1/8 |
| GW 76 266 | 294x244x114 | IP66 | 1/4 |
| GW 76 267 | 392x298x149 | IP66 | 1 |

CHARACTERISTICS: Temperature range: -60° C to +100° C.

UNPAINTED BOXES



GW 76 281

BOXES

| Code | Internal dim. LxHxD (mm) | IP degree | Pack Carton |
|-----------|-----------------------------|--------------|----------------|
| GW 76 281 | 91x91x54 | IP66 | 1/40 |
| GW 76 282 | 128x103x57 | IP66 | 1/32 |
| GW 76 283 | 155x130x58 | IP66 | 1/24 |
| GW 76 284 | 178x156x75 | IP66 | 1/16 |
| GW 76 285 | 239x202x85 | IP66 | 1/8 |
| GW 76 286 | 294x244x114 | IP66 | 1/4 |
| GW 76 287 | 392x298x149 | IP66 | 1 |

CHARACTERISTICS: Temperature range: -60° C to +100° C.

76 ATEX - PAINTED BOXES - ZONE 2 (G) ZONE 22 (D)



GW 76 291

GREY RAL 7037 BOXES

| Code | Internal dim. LxHxD (mm) | IP degree | Pack Carton |
|-----------|-----------------------------|--------------|----------------|
| GW 76 291 | 91x91x54 | IP66 | 1/40 |
| GW 76 292 | 128x103x57 | IP66 | 1/32 |
| GW 76 293 | 155x130x58 | IP66 | 1/24 |
| GW 76 294 | 178x156x75 | IP66 | 1/16 |
| GW 76 295 | 239x202x85 | IP66 | 1/8 |
| GW 76 296 | 294x244x114 | IP66 | 1/4 |
| GW 76 297 | 392x298x149 | IP66 | 1 |

ACCESSORIES SUPPLIED: kit for external earthing.

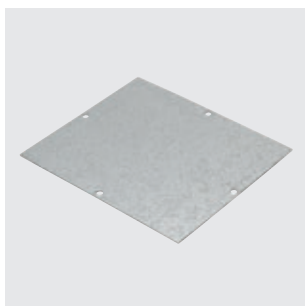
ATEX Classification: Equipment-group II Category 3GD.

Type of protection for use in explosive gas atmospheres: nA.

Type of protection for use in explosive dust atmospheres: tc.

Ambient temperature range: -20°C Glt;= Ta Glt;= +85°C.

COMPLEMENTARY ITEMS

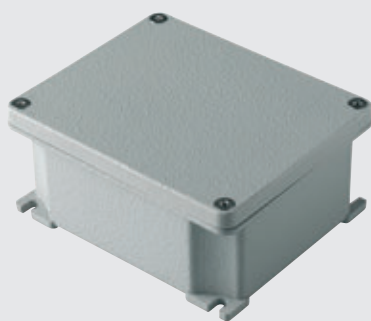


GW 76 272

BACK-MOUNTING PLATE IN GALVANISED STEEL

| Code | For boxes LxH (mm) | Pack Carton |
|-----------|-----------------------|----------------|
| GW 76 272 | 128x103 | 1/10 |
| GW 76 273 | 155x130 | 1/10 |
| GW 76 274 | 178x156 | 1/10 |
| GW 76 275 | 239x202 | 1/5 |
| GW 76 276 | 294x244 | 1/5 |
| GW 76 277 | 392x298 | 1/5 |

GW Connect



PRACTICAL AND ROBUST



The 7 sizes are all pre-arranged for surface-mounting, with both internal and external fixing. The unlosable lid screws are made of stainless steel. Thickness is optimised to ensure maximum mechanical resistance and to withstand adverse weather and environmental conditions.+

PROFESSIONAL RANGE



The boxes, with IP66 degree of protection, can be used as junctions with the possibility of fitting back-mounting plates or DIN rails. The lid is equipped with stainless steel captive fastening screws, while the back plate is equipped with insert for earthing.

ATEX VERSIONS



The GW Connect boxes are also available in an ATEX version. They blend perfectly with the other GEWISS solutions for potentially explosive atmospheres classified as area 2(G) and 22(D).

SURFACE-MOUNTING BOXES IN DIE-CAST ALUMINIUM

The GW Connect range consists of seven different sizes of connection and junction boxes made of die-cast aluminium alloy. Suitable for every application, they are particularly recommended in industrial environments and on machinery. For particular applications is necessary contact GEWISS Service Technical Assistance. The boxes have smooth walls and are equipped with a cover fixed with unlosable stainless steel screws with double slotted head; the sealing gasket is in EPDM foam rubber. The boxes can be surface-mounted from both the inside and outside; in particular, the external fixing operations (using brackets) do not interfere with the cover. The earth terminal (for protection against indirect contact) is on both the back-mounting plate and the cover.

The outside of the box is covered with epoxy-polyester paint to ensure the maximum resistance with perfect design integration. There are also unpainted versions and ATEX versions (directive 94/9/EC). In the ATEX versions, the earth terminal is on the outside. Cable gland perforation tables are included with the dimension tables. All the sizes have the appropriate internal pre-arrangement for the assembly of both the DIN rail and the perforated back-mounting plate in galvanised sheet steel (available as an accessory), to guarantee the utmost flexibility when fixing the terminals and other devices.

Technical data and compliance with Standards

| | |
|--|--|
| Reference Standards: IEC 60670; EN 60670-1; EN 60670-22; CEI EN 60670-1; CEI EN 60670-22; IEC 62208; EN 62208; CEI EN 62208 | Shells for devices for fixed electrical installations, for domestic and similar uses |
| Degree of protection: | See indications below |
| Protection against indirect contact: | Earthing via pre-arrangement of suitable terminals (external for the ATEX version) |
| Material: | Painted/unpainted aluminium alloy |
| Impact resistance: | See indications below |

Note: unpainted boxes of GW Connect range are not protected against oxidation.
When removing protective packaging please pay attention to the storage in humid environments.

Technical data

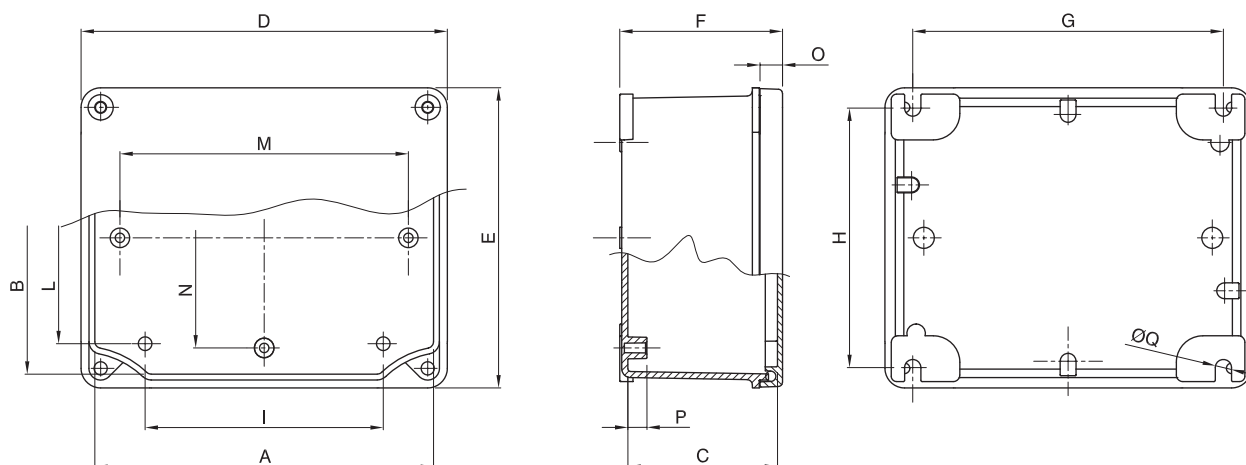
| Painted version | Unpainted version | ATEX version | Dimensions | IP rating | IK rating |
|-----------------|-------------------|--------------|-------------|-----------|-----------|
| GW 76 261 | GW 76 281 | GW 76 291 | 91x91x54 | 66 | IK08 |
| GW 76 262 | GW 76 282 | GW 76 292 | 128x103x57 | 66 | IK08 |
| GW 76 263 | GW 76 283 | GW 76 293 | 155x130x58 | 66 | IK08 |
| GW 76 264 | GW 76 284 | GW 76 294 | 178x156x75 | 66 | IK08 |
| GW 76 265 | GW 76 285 | GW 76 295 | 239x202x85 | 66 | IK08 |
| GW 76 266 | GW 76 286 | GW 76 296 | 294x244x114 | 66 | IK08 |
| GW 76 267 | GW 76 287 | GW 76 297 | 392x298x149 | 66 | IK09 |

BEHAVIOUR WITH CHEMICAL AND CORROSIVE AGENTS

| | Water | Sea air | Acids | Bases | Ketones | Alcohols | Silicon oil | Oils/Greases | Petrol |
|-------------------------------|--------------------|--------------------|--------------------|--------------------|-----------|-----------|-------------|--------------|-----------|
| Painted/ ATEX versions | Limited resistance | Limited resistance | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant |
| Unpainted versions | Limited resistance | Not resistant | Not resistant | Not resistant | Resistant | Resistant | Resistant | Resistant | Resistant |

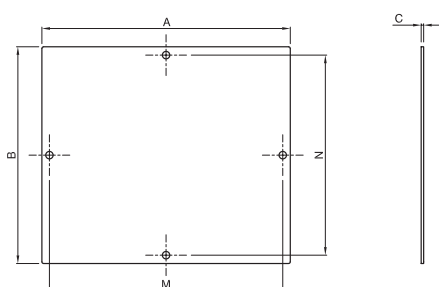
Dimension tables

JUNCTION BOXES IN DIE-CAST ALUMINIUM



| Code | A | B | C | D | E | F | G | H | I | L | M | N | O | P | Q |
|-----------------------------------|-----|-----|-----|-------|-------|-------|-----|-----|-------|-------|-----|-----|-----|-----|-----|
| GW 76 261 / GW 76 281 / GW 76 291 | 91 | 91 | 54 | 101 | 101 | 58 | 80 | 88 | 52.5 | 42.5 | - | - | 8.3 | 7.5 | 6.1 |
| GW 76 262 / GW 76 282 / GW 76 292 | 128 | 103 | 57 | 138.5 | 113.5 | 61.5 | 120 | 100 | 60 | 50 | 109 | - | 8.5 | 7.3 | 6.1 |
| GW 76 263 / GW 76 283 / GW 76 293 | 155 | 130 | 58 | 165.5 | 140.5 | 63.5 | 144 | 125 | 104.5 | 102 | 135 | 110 | 8.6 | 7.2 | 6.1 |
| GW 76 264 / GW 76 284 / GW 76 294 | 178 | 156 | 75 | 189 | 167 | 80 | 168 | 149 | 117 | 129.5 | 140 | 120 | 8.7 | 7.1 | 6.1 |
| GW 76 265 / GW 76 285 / GW 76 295 | 239 | 202 | 85 | 252 | 215 | 91 | 226 | 196 | 178 | 164 | 208 | 168 | 9 | 8.7 | 8.7 |
| GW 76 266 / GW 76 286 / GW 76 296 | 294 | 244 | 114 | 307 | 257 | 120.5 | 275 | 236 | 208 | 193.5 | 256 | 210 | 9.2 | 8.5 | 8.7 |
| GW 76 267 / GW 76 287 / GW 76 297 | 392 | 298 | 150 | 406.5 | 312.5 | 157.1 | 367 | 283 | 290 | 237 | 320 | 230 | 15 | 8.5 | 8.7 |

BACK-MOUNTING PLATES




| Code | A | B | C | M | N |
|-----------|-------|------|-----|-----|-----|
| GW 76 272 | 118.5 | 78.5 | 1.5 | 109 | - |
| GW 76 273 | 144 | 119 | 1.5 | 135 | 110 |
| GW 76 274 | 165 | 130 | 1.5 | 140 | 120 |
| GW 76 275 | 219 | 179 | 1.5 | 208 | 168 |
| GW 76 276 | 267 | 221 | 1.5 | 256 | 210 |
| GW 76 277 | 345 | 260 | 2 | 320 | 230 |



GW CONNECT BOX DRILLING TABLE

| HOLE DRILLING FOR ATEX BOX | | | | | | | | | |
|----------------------------|------------------------|----|----|----------------------------|------------|----|----|-----------------------------|----------------------|
| Junction box | Hole drilling on sides | | | | | | | | Box perimeter |
| | Long side | | | | Short side | | | | |
| Article | Ø mm | M | PG | No. of holes per long side | Ø mm | M | PG | No. of holes per short side | Max. number of holes |
| GW 76 261 | 16 | 16 | | 1 | 16 | 16 | | 1 | 4 |
| GW 76 281 | 23 | | 16 | | 23 | | 16 | | |
| GW 76 291 | | | | | | | | | |
| GW 76 262 | 25 | 25 | | 1 | 25 | 25 | | 1 | 4 |
| GW 76 282 | 29 | | 21 | | 29 | | 21 | | |
| GW 76 292 | | | | | | | | | |
| GW 76 263 | 25 | 25 | | 2 | 25 | 25 | | 1 | 6 |
| GW 76 283 | 29 | | 21 | | 29 | | 21 | | |
| GW 76 293 | | | | | | | | | |
| GW 76 264 | 32 | 32 | | 2 | 32 | 32 | | 2 | 8 |
| GW 76 284 | 37 | | 29 | | 37 | | 29 | | |
| GW 76 294 | | | | | | | | | |
| GW 76 265 | 40 | 40 | | 2 | 40 | 40 | | 2 | 8 |
| GW 76 285 | 48 | | 36 | | 48 | | 36 | | |
| GW 76 295 | | | | | | | | | |
| GW 76 266 | 50 | 50 | | 2 | 50 | 50 | | 2 | 8 |
| GW 76 286 | 54 | | 42 | | 54 | | 42 | | |
| GW 76 296 | | | | | | | | | |
| GW 76 267 | 50 | 50 | | 3 | 50 | 50 | | 2 | 10 |
| GW 76 287 | 54 | | 42 | | 54 | | 42 | | |
| GW 76 297 | | | | | | | | | |

SURFACE-MOUNTING BOARDS

| Code | | External dimensions LxHxD (mm) | Input number | Input diameter (mm) |
|---|-----------|--------------------------------------|--------------|---------------------|
|  | GW 42 001 | 200x150x40 | 16 | Ø 20,5 |
| | GW 42 002 | 200x150x60 | 12 | |
| | GW 42 003 | 200x150x80 | 12 | |
| | GW 42 004 | 300x200x40 | 16 | Ø 23/29 |
| | GW 42 005 | 300x200x60 | 16 | |
| | GW 42 006 | 300x200x80 | 16 | |
| | GW 42 007 | 300x200x120 | 16 | |
| | GW 42 008 | 400x300x60 | 22 | |
| | GW 42 009 | 400x300x80 | 22 | |
| | GW 42 010 | 400x300x120 | 22 | |






BACK-MOUNTING PLATES

| METAL | INSULATING | Dimensions LxH (mm) |
|--|---|---------------------------|
|  |  | |
| GW 44 615 | GW 44 625 | 190x140 |
| GW 44 615 | GW 44 625 | |
| GW 44 615 | GW 44 625 | |
| GW 44 616 | GW 44 626 | 240x190 |
| GW 44 616 | GW 44 626 | |
| GW 44 616 | GW 44 626 | |
| GW 44 616 | GW 44 626 | |
| GW 44 617 | GW 44 627 | 300x220 |
| GW 44 617 | GW 44 627 | |
| GW 44 617 | GW 44 627 | |



FLOOR-MOUNTING DISTRIBUTION BOARD

| Code | External dimensions LxHxD (mm) |
|---|--------------------------------------|
|  | GW 68 441 |
| | 200x295x180 |

SOCKET-OUTLETS IB 16/32 A

| Vertical 67 IB with back-mounting box IP67 | Combibloc IP44/55 | | Horizontal 44 IB with back-mounting box IP44 | |
|---|--|---|---|---|
| - SBF - CBF - AUTOMATIKA (MT) | Without back- mounting box | With back- mounting box | Without fuse- holder base | With fuse- holder base |
|  |  |  |  |  |
| They can only be installed in the high part of the support base | | | | |

Q-DIN 5

| Q-DIN 5 | 27 COMBI IP55 |
|---|--|
|  | GW 68 227 N |
| | GW 68 212 N |
| | GW 68 017 N |
| |  Up to the 12-gang version |

42 TV

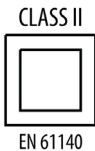
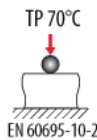
Multifunctional supporting bases

A range of boards for universal applications, as for example the support of electronic devices, power supply units or for the creation of small control boards with indicators and push-buttons. The cover with honeycomb finish offers the possibility of direct screw mounting of exposed equipment. Completing the offer is the watertight floor version outlet box ideal for example for the fixing of surface or recessed sockets-outlets.



Technical characteristics page 1327

DISTRIBUTION TOWER AND BOARDS



SURFACE-MOUNTING DISTRIBUTION BOARDS - IP41



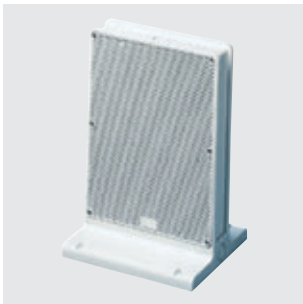
GW 42 001

BOARDS WITH REVERSIBLE DOOR - SMOOTH AND HONEYCOMB SURFACE - GREY RAL 7035

| Code | Outer dim. LxHxD (mm) | No. input | Pack Carton |
|-----------|--------------------------|-----------------------------|----------------|
| | | | |
| GW 42 001 | 200x150x40 | Ø 20.5 = 16 | 32 |
| GW 42 002 | 200x150x60 | Ø 20.5 = 12 Ø 20.5/23 = 4 | 44 |
| GW 42 003 | 200x150x80 | Ø 20.5 = 12 Ø 20.5/23 = 4 | 32 |
| GW 42 004 | 300x200x40 | Ø 20.5 = 16 | 16 |
| GW 42 005 | 300x200x60 | Ø 23/29 = 16 | 21 |
| GW 42 006 | 300x200x80 | Ø 23/29 = 16 | 16 |
| GW 42 007 | 300x200x120 | Ø 23/29 = 16 | 10 |
| GW 42 008 | 400x300x60 | Ø 23/29 = 22 | 10 |
| GW 42 009 | 400x300x80 | Ø 23/29 = 22 | 8 |
| GW 42 010 | 400x300x120 | Ø 23/29 = 22 | 5 |

NOTES: To restore the double insulation use the relative screwcaps supplied.

FLOOR MOUNTING AND WORKBENCH TOWER - IP55



GW 68 441

PILLAR WITH REVERSIBLE DOOR WITH SMOOTH AND HONEYCOMBED SURFACE GREY RAL 7035

| Code | Outer dim. LxHxD (mm) | Houseable IB socket-outlets | Installable Q-DIN boards | Pack Carton |
|-----------|--------------------------|--------------------------------|-----------------------------|----------------|
| | | | | |
| GW 68 441 | 200x295x180 | 16/32 A | Q-DIN 5 | 1/6 |

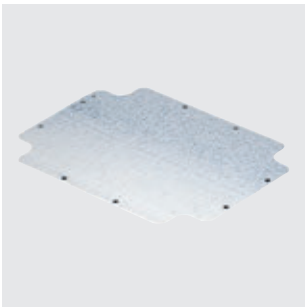
CHARACTERISTICS: double-sided panels with smooth or honeycomb surface, for fixing interlocked switched socket-outlets 16/32A of the IB range: Combibloc, horizontal IP44 with bottom and vertical IP67 with bottom.

COMPLEMENTARY ITEMS



GW 26 406

| WATERPROOF COUPLER | | | |
|--|----------------------|---------------|-------------|
| Code | Mounting hole Ø (mm) | Type of pitch | Pack Carton |
| GW 26 406 | 23 | PG16 | 25/250 |
| APPLICATIONS: for the combined assembly of enclosures, junction boxes, etc.. | | | |



GW 44 615

| BACK-MOUNTING PLATE WITH SELF-TAPPING FIXING SCREWS | | | |
|---|----------------------|---------------------------------------|-------------|
| Code | For boxes dimensions | For distribution boards | Pack Carton |
| Material: Galvanized metal | | | |
| GW 44 615 | 190x140 | GW42001 - GW42002 - GW42003 | 20 |
| GW 44 616 | 240x190 | GW42004 - GW42005 - GW42006 - GW42007 | 20 |
| GW 44 617 | 300x220 | GW42008 - GW42009 - GW42010 | 20 |
| Material: Insulation | | | |
| GW 44 625 | 190x140 | GW42001 - GW42002 - GW42003 | 20 |
| GW 44 626 | 240x190 | GW42004 - GW42005 - GW42006 - GW42007 | 20 |
| GW 44 627 | 300x220 | GW42008 - GW42009 - GW42010 | 20 |



GW 52 402

| CUP DRILL MILLING CUTTER TO DRILL PANELS | | |
|--|-----------------------|-------------|
| Code | Description | Pack Carton |
| GW 52 402 | Cup drill milling Ø56 | 10 |
| APPLICATIONS: suitable for low voltage flush-mounting socket-outlets IEC 309 2P+E 16A and for all the extra-low voltage flush-mounting socket-outlets IEC 309. | | |

42 TV



A COMPLETE RANGE



The boards come in three sizes with differing depths, as well as the handy floor-mounting tower. There is also an accessory line consisting of: back-mounting plates in sheet metal or insulating material, and screwcaps to re-establish the IP degree of protection and to ensure double insulation.

FUNCTIONALITY APPLICATIONS



The front panel of the multi-functional support bases is reversible: smooth on the first side to make it easier to fix flush-mounting components, and alveolar on the other to facilitate the open fixing of the products. These features make the 42 TV devices perfect for creating command and signalling boards.

FLOOR-MOUNTING TOWER VERSION



The range is completed with the practical floor-mounting tower (IP55) for configurations with IB socket-outlets, Q-DIN boards and 27 COMBI containers.

42 TV - DISTRIBUTION PILLAR AND BOARDS - IP41

TECHNICAL CHARACTERISTICS

Standard: IEC 60670-1; IEC 60670-22; EN 60670-1; EN 60670-22

Degree of protection: IP41 (IP55 for floor-mounting pillar version)

Protection against indirect contact: double insulation - □ (•)

Installation temperature: max. +60°C; min. -5°C

Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2)

Impact resistance: IK 07 (200x150mm boards)

IK 08 (300x200mm and 400x300mm boards)

Heat resistance: thermo-pressure with ball 70°C

Resistance to abnormal heat and fire: Glow wire test 650°C

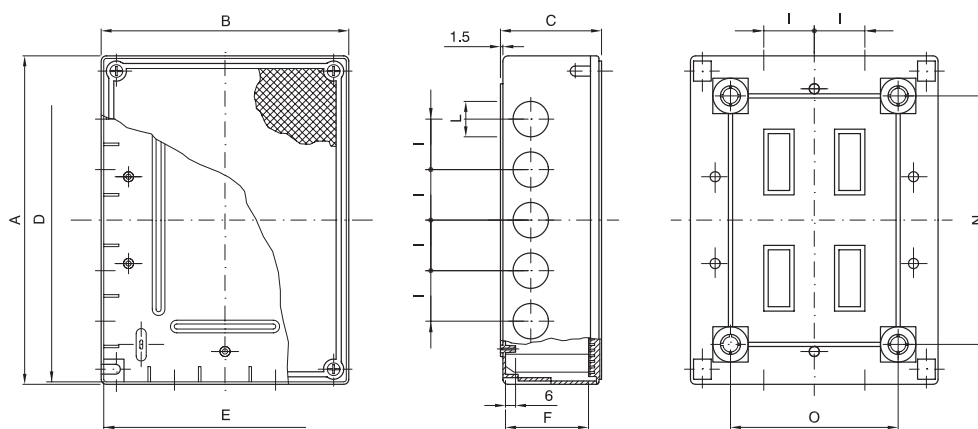
(•) Complete insulation, in accordance with EN 61140 Standard, obtainable by using the screwcaps supplied.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------|---------------|-----------|--------------|-----------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Resistant | Resistant | Resistant | Limited resistance | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

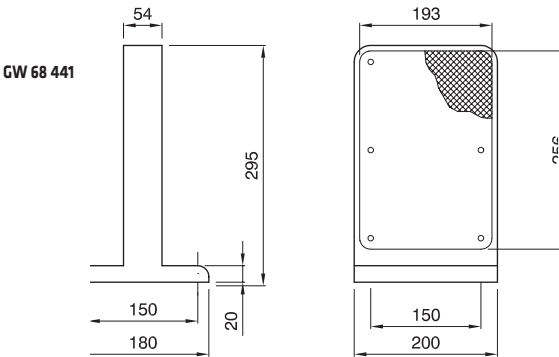
SURFACE-MOUNTING BOARDS - IP41



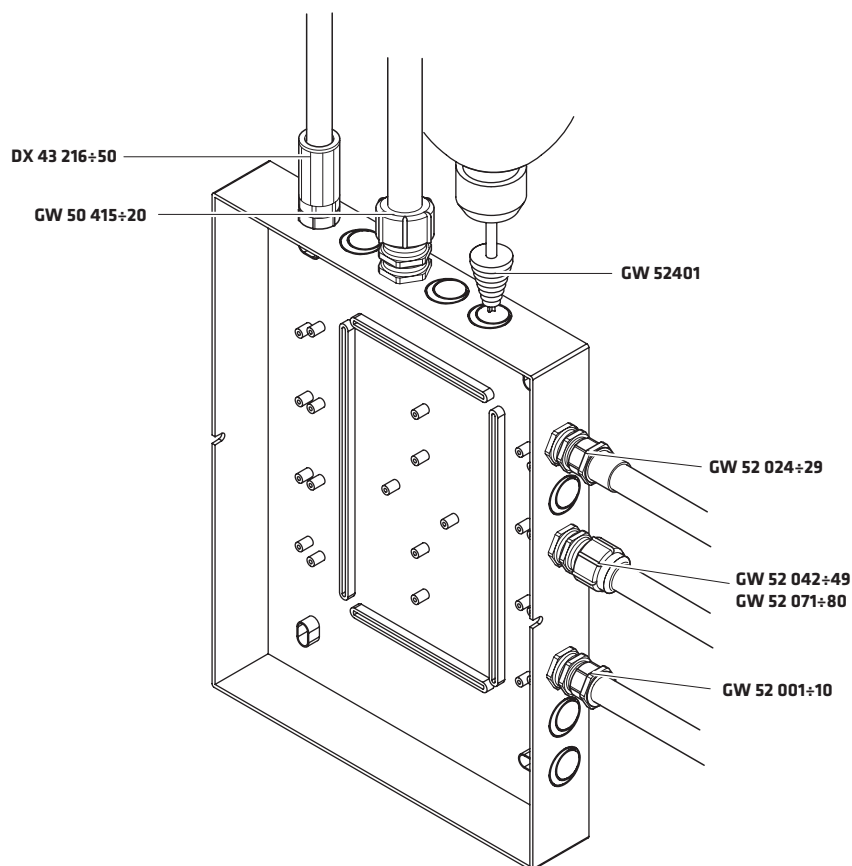
| Code | A | B | C | D | E | F | I | L | N | O |
|-----------|-----|-----|-----|-----|-----|-----|----|-------|-----|-----|
| GW 42 001 | 200 | 150 | 40 | 196 | 146 | 30 | 30 | 21 | 150 | 100 |
| GW 42 002 | 200 | 150 | 60 | 196 | 146 | 50 | 30 | 21 | 150 | 100 |
| GW 42 003 | 200 | 150 | 80 | 196 | 146 | 70 | 30 | 21 | 150 | 100 |
| GW 42 004 | 300 | 200 | 40 | 295 | 195 | 30 | 40 | 23-29 | 250 | 150 |
| GW 42 005 | 300 | 200 | 60 | 295 | 195 | 50 | 40 | 23-29 | 250 | 150 |
| GW 42 006 | 300 | 200 | 80 | 295 | 195 | 70 | 40 | 23-29 | 250 | 150 |
| GW 42 007 | 300 | 200 | 120 | 295 | 195 | 110 | 40 | 23-29 | 250 | 150 |
| GW 42 008 | 400 | 300 | 60 | 395 | 295 | 50 | 40 | 23-29 | 330 | 230 |
| GW 42 009 | 400 | 300 | 80 | 395 | 295 | 70 | 40 | 23-29 | 330 | 230 |
| GW 42 010 | 400 | 300 | 120 | 395 | 295 | 110 | 40 | 23-29 | 330 | 230 |

| Couplings for back-mounting plates 44 CE range - 42 TV range | | |
|---|------------|--|
| 44 CE range plate | | 42 TV range board External dimensions |
| Metal | Insulating | |
| GW 44 615 | GW 44 625 | 200 x 150 |
| GW 44 616 | GW 44 626 | 300 x 200 |
| GW 44 617 | GW 44 627 | 400 x 300 |

FLOOR-MOUNTING PILLAR AND WORKBENCH - IP55



DRILLING FOR BASICS POLYFUNCTIONAL SUPPORT



Flush-mounting boards

Domo Center

FLUSH-MOUNTING SYSTEM COLUMNS FOR DISTRIBUTION, H&B AUTOMATION AND DATA



pag. 616

Green Wall

FLUSH-MOUNTING SYSTEM
FOR PLASTERBOARD WALLS



pag. 1336

40 CDi

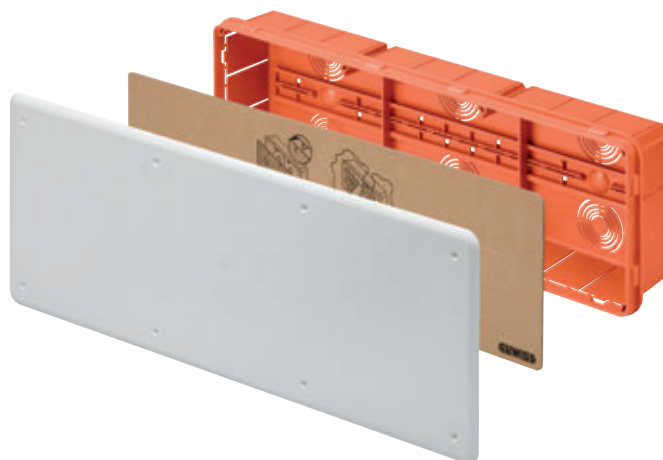
FLUSH-MOUNTING DISTRIBUTION BOARDS
AND ENCLOSURES



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48

FLUSH-MOUNTING JUNCTION AND MODULAR RANGE BOXES



pag. 1389

24 SC








FLUSH MOUNTING; SURFACE OR UNDERFLOOR BOXES



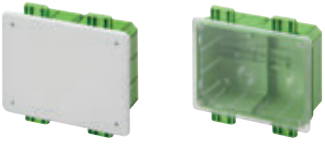





pag. 1405

Green Wall


40 CDKI RANGE GREEN WALL MODULAR AND PROTECTED ENCLOSURE AND DISTRIBUTION BOARDS - IP40

|  <p>Color: RAL 9016 white Door: smoked transparent</p> | | COMPLEMENTARY ITEMS | | | | | |
|---|-----------|---|---|---|---|---|---|
| | | 1-module cover profile | kit long self-threading screws | Element for combined coupling | Internal horizontal dividers | Blank covering panels | Cylindrical security lock |
| | |  |  |  |  |  |  |
| Code | Modules | Code | Code | Code | Code | Code | Code |
| GW 40 605 PM | 12 | GW 40 467 | GW 48 645 | 2 x GW 40 425 | - | - | 1 x GW 40 422 |
| GW 40 606 PM | 24 (12X2) | | | | GW 40 487 | GW 40 495 | |
| GW 40 609 PM | 36 (18X2) | | | | GW 40 488 | GW 40 496 | 2 x GW 40 422 |
| GW 40 610 PM | 54 (18X3) | | | | | | |
| GW 40 611 PM | 72 (18X4) | | | | | | |


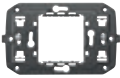









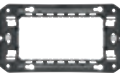









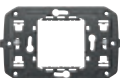



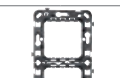

48 PT DIN GREEN WALL BOXES FOR JUNCTION AND DOMOTICS IP40

|  <p>(equipped with DIN rail on the bottom)</p> | | | COMPLEMENTARY ITEMS | | | | |
|---|------------|---------------|---|---|--|---|---|
| | | | Protective shield | No. of internal divider | Joining element | Spare lid plain IP40 | Spare lid deep IP40 |
| | | |  |  |  |  |  |
| Code | Dimensions | Lid | Code | Code | Code | Code | Code |
| GW 48 006 PM | 196x152x75 | RAL9016 white | GW 48 006 P | 1 x GW 48 012 | 2 x GW 48 051 | GW 48 017 | GW 48 086 |
| GW 48 126 PM | 196x152x75 | Transparent | | 2 x GW 48 012 | | GW 48 018 | GW 48 087 |
| GW 48 007 PM | 294x152x75 | RAL9016 white | | 3 x GW 48 012 | | GW 48 019 | GW 48 088 |
| GW 48 008 PM | 392x152x75 | RAL9016 white | | 2 x GW 48 012 | | GW 48 020 | - |
| GW 48 009 PM | 480x160x75 | RAL9016 white | | | | | |

48 CM GREEN WALL LARGE CAPACITY CONNECTION AND JUNCTION BOXES - IP40

|  | | | COMPLEMENTARY ITEMS | | | |
|---|-------------|---------------|-------------------------|-----------------|----------------------|---------------------|
| | | | No. of internal divider | Joining element | Spare lid plain IP44 | Spare lid deep IP44 |
| | | | | | | |
| Code | Dimensions | Lid | Code | Code | Code | Code |
| GW 48 207 PM | 260x260x121 | RAL9016 white | 1 supplied | 2 supplied | GW 48 247 | GW 48 267 |
| GW 48 211 PM | 520x260x121 | RAL9016 white | 4 supplied | 2 supplied | GW 48 251 | GW 48 271 |

24 SC GREEN WALL - FLUSH-MOUNTING BOXES FOR MODULAR RANGE

| 24 SC RANGE GREEN WALL | | No. place | CHORUS RANGE | | SYSTEM RANGE | | COMPLEMENTARY ITEMS | |
|---|--------------|------------------|--|--|--|---|---------------------|-----------|
| Boxes | Code | | Support | Plates | Support | Plates | Internal divider | Lid |
| RECTANGULAR  | GW 24 403 PM | 1 |  GW 16 802 |  ONE - GEO |  GW 24 201 |  Top System - Virna (1,2,3,4,6,8 gang) | GW 24 321 | - |
| | | 2 |  GW 16 803 |  ONE - GEO - LUX FLAT - ART |  GW 24 262 | | | |
| | | 3 |  GW 16 803 |  ONE - GEO - LUX - FLAT - ART ICE - ICE TOUCH - ICE TOUCH KNX |  GW 24 201 | | | |
| | GW 24 404 PM | 4 |  GW 16 804 GW 16 824 |  ONE - GEO - LUX - FLAT ART - ICE |  GW 24 202 | | GW 24 321 | - |
| | GW 24 406 PM | 6 |  GW 16 806 GW 16 825 |  ONE - GEO - LUX |  GW 24 230 | | GW 24 321 | - |
| | GW 24 237 PM | (4+4) |  GW 16 808 |  ONE |  GW 24 240 | | - | - |
| ROUND  | GW 24 234 PM | 1 |  GW 16 802 |  ONE - GEO | - | - | - | GW 24 218 |
| | | 2 |  GW 16 822 |  ONE - GEO - LUX FLAT - ART | - | - | | |
| | GW 24 282 PM | 2+2 (Vert. 57mm) |  2 x GW16 822* |  ONE International GEO International LUX International | - | - | - | GW 24 218 |

* To coupling the two supports vertically GW 16 822 break the removable fins on both sides.

GREEN WALL BOXES FOR INTERLOCKED SOCKETS

Flush-mounting boxes
for 67 IB sockets



| Code | Houseable sockets |
|--------------|-----------------------------------|
| GW 66 683 PM | 16/32A version SBF-CBF-AUTOMATIKA |

Flush-mounting boxes
for 44 IB horizontal sockets










| Code | Houseable sockets |
|--------------|--------------------|
| GW 66 681 PM | 16/32A version SBF |
| GW 66 682 PM | 16/32A version CBF |

GREEN WALL BOXES FOR KNX DEVICE AND DIGITAL VISION


| Code | Houseable device |
|--------------|--------------------------|
| GW 24 101 PM | Master ICE - 10" |
| GW 24 102 PM | Master ICE - 15" |
| GW 24 237 PM | For 8 gang modular range |

COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS

| Enclosures | | Terminal block position | Screw terminal type | | |
|--|--------------|---|--|-------------------------------------|--------------------------------------|
| | | |  | | |
| | | | TERMINAL BLOCK SIZE 1 | | |
| | | | Bipolar 125 A 2 x [(1x25)+(7x10)] | Bipolar 80 A 2 x [(2x16)+(7x10)] | Unipolar 80 A 1 x [(2x16)+(7x10)] |
| | | | GW 40 401 | GW 40 408 B | GW 40 408 U |
| 40 CDK - IP40: GREEN WALL ENCLOSURES AND DISTRIBUTION BOARDS FOR PLASTERBOARD WALLS IP40  | GW 40 605 PM |  | No. 1 (*) | No. 1 (*) | No. 1 (*) |
| | GW 40 606 PM |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | GW 40 609 PM |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | GW 40 610 PM |  | No. 3 (*) | No. 3 (*) | No. 3 (*) |
| | GW 40 611 PM |  | No. 4 (*) | No. 4 (*) | No. 4 (*) |

(*) The installation is allowed using No.1 adapter GW40413 for each terminal block installed.

COMPATIBILITY BETWEEN GEWISS DOMOTIC DEVICE AND 48 PT DIN GREEN WAL

| GEWISS DOMOTIC DEVICES | | 48 PT DIN GREEN WALL BOXES | | | | |
|-------------------------------------|--------------------------------|---|--------------|--------------|--------------|--------------|
| | | Code | GW 48 006 PM | GW 48 007 PM | GW 48 008 PM | GW 48 009 PM |
| | | | GW 48 126 PM | | | |
| | | Compartments | 2 | 3 | 4 | 3 |
| | | No. of EN 50022 modules per compartment | 4,5 | 5 | 5 | 8 |
| KNX DEVICES FROM DIN RAIL | KNX line/field couplers | No. mod. EN 50022 MAX pde (W)* | 11 | 13 | 17 | 25 |
| | | | ● | ● | ● | ● |
| | KNX power supplies | No. mod. EN 50022 MAX pde (W)* | ● | ● | ● | ● |
| | | | ● | ● | ● | ● |
| | KNX motor control actuators | No. mod. EN 50022 MAX pde (W)* | ● | ● | ● | ● |
| | | | 8 | | | |
| | KNX dimmer | No. mod. EN 50022 MAX pde (W)* | 2,5 | | | |
| | | | 4 | ● | ● | ● |
| | | | 6 | | | |
| | KNX general actuators | No. mod. EN 50022 MAX pde (W)* | 4 | ● | ● | ● |
| | | | 8 | | | ● |
| | DALI/KNX, DMX/KNX Gateway | No. mod. EN 50022 MAX pde (W)* | 6 | | | ● |
| DOMOTIC DEVICES FOR DOMESTIC RANGES | KNX input modules | No. mod. EN 50022 MAX pde (W)* | 2,5 and 4 | ● | ● | ● |
| | KNX analogue input modules | No. mod. EN 50022 MAX pde (W)* | 4 | ● | ● | ● |
| | KNX BUS interfaces | No. mod. EN 50022 MAX pde (W)* | 2 | ● | ● | ● |
| | KNX GSM remote controls | No. mod. EN 50022 MAX pde (W)* | 6 | | | |
| | KNX logic units | No. mod. EN 50022 MAX pde (W)* | 2,5 | | | |
| | Power supplies | No. mod. EN 50022 MAX pde (W)* | 1,5 | ● | ● | ● |
| | KNX domestic range actuators | No. mod. EN 50022 MAX pde (W)* | 3 | ● | ● | ● |
| | Relay | No. mod. EN 50022 MAX pde (W)* | 1,5 and 3 | ● | ● | ● |
| | Power supply | No. mod. EN 50022 MAX pde (W)* | 3 | ● | ● | ● |
| | Power supply | No. mod. EN 50022 MAX pde (W)* | 4 | ● | ● | ● |
| CITY VISION | Power supplies | No. mod. EN 50022 MAX pde (W)* | 8 | | | ● |
| | Video selector/Intercom module | No. mod. EN 50022 MAX pde (W)* | 6 | | | ● |
| | Auxiliary actuators | No. mod. EN 50022 MAX pde (W)* | 4 | ● | ● | ● |

* Dispersible power calculated according to IEC 60674-24.

COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS
Screw terminal type


| TERMINAL BLOCK SIZE 2 | | | | TERMINAL BLOCK SIZE 3 | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|
| Bipolar 125 A 2 x [(3x25)+(10x10)] | Bipolar 80 A 2 x [(3x16)+(11x10)] | Unipolar 80 A 1 x [(3x16)+(11x10)] | Unipolar 80 A 1 x [(3x16)+(29x10)] | Bipolar 125 A 2 x [(5x25)+(14x10)] | Bipolar 80 A 2 x [(3x16)+(17x10)] | Unipolar 80 A 1 x [(3x16)+(17x10)] |
| GW 40 402 | GW 40 412 B | GW 40 412 U | GW 40 422 U | GW 40 404 | GW 40 418 B | GW 40 418 U |
| No. 1 | No. 1 | No. 1 | No. 1 | - | - | - |
| No. 2 | No. 2 | No. 2 | No. 2 | - | - | - |
| No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 | No. 2 | No. 2 |
| No. 3 (*) | No. 3 (*) | No. 3 (*) | No. 3 (*) | No. 3 | No. 3 | No. 3 |
| No. 4 (*) | No. 4 (*) | No. 4 (*) | No. 4 (*) | No. 4 | No. 4 | No. 4 |

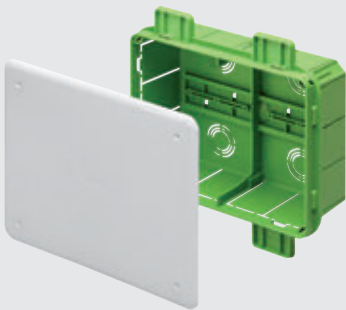
COMPATIBILITY BETWEEN 48 GREEN WALL BOXES AND AND TERMINAL BLOCKS 44 RANGE

| | | Multi-pole | | | Single-pole equipotential | | | | | | | |
|-------------------------|--------------|---------------------------------------|------------------------|------------------------|---------------------------|-----------|-----------|-----------|-----------|------------------------|-----------|-----------|
| | | GW 44 609 GW 44 610 GW 44 610 C | GW 44 611 GW 44 612 | GW 44 613 GW 44 614 | GW 44 704 | GW 44 706 | GW 44 708 | GW 44 671 | GW 44 672 | GW 44 673 GW 44 674 | GW 44 675 | GW 44 676 |
| Range | Code | | | | | | | | | | | |
| 48 PT DIN GREEN WALL | GW 48 006 PM | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | - |
| | GW 48 126 PM | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | - |
| | GW 48 007 PM | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | - |
| | GW 48 008 PM | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | - |
| | GW 48 009 PM | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | - |
| 48 CM GREEN WALL | GW 48 207 PM | ● | ● | - | ● | ● | ● | ● | ● | ● | - | - |
| | GW 48 211 PM | ● | ● | - | ● | ● | ● | ● | ● | ● | - | - |

Green Wall

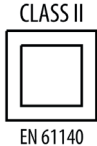
Flush-mounting system for plasterboard walls

The most complete system of containers for lightweight and plasterboard walls; Gewiss patented solutions. Made with halogen-free technopolymer and GWT 850°C. The range included enclosures and distribution boards up to 72 M; 48 PTDIN GREENWALL range junction boxes with integrated DIN rail on the back plate, compliant with CEI 23-49, ideal for the pre-arrangement and installation of domotic devices; boxes for domestic ranges and boxes for interlocked switched socket-outlets.

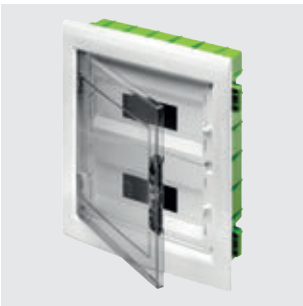


Technical characteristics page 1349

40 CDKI GREEN WALL - ENCLOSURES AND DISTRIBUTION BOARDS FOR LIGHTWEIGHT AND PLASTERBOARD WALLS - IP40



SMOKED TRANSPARENT DOOR



GW 40 606 PM

MODULAR ENCLOSURES AND DISTRIBUTION BOARDS WITH WINDOWED PANEL AND EXTRACTABLE FRAME PREDISPOSED FOR HOUSING TERMINAL BLOCKS - WHITE RAL 9016 - SMOKED DOOR



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
|--------------|----------------------------|--------------------------|--------------------------|----------------|
| GW 40 605 PM | 12 | 330x270x85 | 36 | 8 |
| GW 40 606 PM | 24 (12X2) | 330x420x85 | 37 | 6 |
| GW 40 609 PM | 36 (18x2) | 465x505x85 | 52 | 3 |
| GW 40 610 PM | 54 (18x3) | 465x680x95 | 62 | 3 |
| GW 40 611 PM | 72 (18x4) | 465x880x95 | 95 | 1 |

CHARACTERISTICS: removable and plumbable panels with windows, with exception of GW40605PM. Back plates equipped with tabs for fixing on a metal structure for lightweight and plasterboard walls. Locators for tracing the wall along the edges of the back plate. Horizontal modularity using the joining element GW40425 for enclosure GW40605PM. Vertical modularity using the joining element GW40425 for boards GW40606PM-GW40609PM-GW40610PM-GW40611PM.

NOTES: Dispersible power calculated according to CEI 23-49. Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1.

GWT 850°C, according to EN 60695-2-11, relative to the green flush-mounting back-mounting box.

ACCESSORIES SUPPLIED: self-tapping screws kit ø 4x45 mm with spacers for fixing of fronts.

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CDI range.

COMPLEMENTARY ITEMS FOR ENCLOSURES AND BOARDS 40 CDKI GREEN WALL



GW 40 422

CYLINDER SECURITY LOCK FOR 40 CDKI ENCLOSURES

| Code | Material | Pack Carton |
|-----------|-------------------------|----------------|
| GW 40 422 | Pressure die-cast metal | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



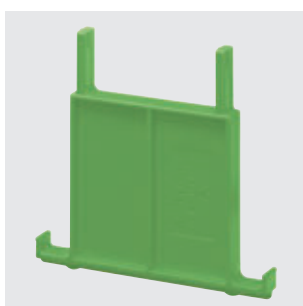
GW 40 467

PLASTIC MODULE COVER PROFILE



| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-----------|----------------------------|----------------|----------------|
| GW 40 467 | 4,5 | White RAL 9016 | 50 |

CHARACTERISTICS: clip fixing.



GW 40 425

ELEMENT FOR COMBINED COUPLING OF CDKI AND CDI FLUSH-MOUNTING DECORATIVE ENCLOSURES AND DISTRIBUTION BOARDS



| Code | Fixing | Pack Carton |
|-----------|--------|----------------|
| GW 40 425 | Clip | 10 |

APPLICATIONS: for CDKI enclosures and boards from 12 modules upwards. Also suitable for 40 CDI decorative enclosures with 8 and 12 modules and for the Home Networking enclosure. For CDKI GREEN WALL enclosures and boards, the GW40425 element permits horizontal paths for the 12M enclosure and vertical paths for 24M to 72M boards.

NOTES: GWT 850 °C according to EN 60695-2-11.



GW 40 487

INTERNAL HORIZONTAL DIVIDERS FOR CDKI DISTRIBUTION BOARDS



| Code | For boards EN 50022 rail | Fixing | Pack Carton |
|-----------|-----------------------------|--------|----------------|
| GW 40 487 | 12 Modules | Clip | 10/100 |
| GW 40 488 | 18 Modules | Clip | 10/100 |

NOTES: they permit making internal separation between the circuits having different voltages located on more than one row inside the same shell.



GW 40 495

BLANK COVERING PANELS - 1-MODULE HEIGHT - FOR CDKI BOARDS



| Code | Suitable for | For boards EN 50022 rail | Colour | Pack Carton |
|-----------|------------------------------|--------------------------|----------------|-------------|
| GW 40 495 | Flush mounting distr. boards | 12 Modules | White RAL 9016 | 20 |
| GW 40 496 | Flush mounting distr. boards | 18 Modules | White RAL 9016 | 20 |

CHARACTERISTICS: sealing.



GW 40 412 B

INSULATED SCREW TERMINAL BLOCK BIPOLAR AND UNIPOLAR FOR ENCLOSURES AND BOARDS

| Code | Pole 1 (mm ²) | Pole 2 (mm ²) | Fastener to supports | Pack Carton |
|---|---------------------------|---------------------------|-------------------------|-------------|
| Type: Bipolar - Rated current 125 A | | | | |
| GW 40 401 | N (1x35) + (7x10) | E (1x35) + (7x10) | With screws | 10 |
| GW 40 402 | N (3x35) + (10x10) | E (3x35) + (10x10) | With screws and/or clip | 10 |
| GW 40 404 | N (5x35) + (14x10) | E (5x35) + (14x10) | With screws and/or clip | 10 |
| Type: Bipolar - Rated current 80 A - IP20 | | | | |
| GW 40 408 B | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | With screws | 1/10 |
| GW 40 412 B | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | With screws and/or clip | 1/10 |
| GW 40 418 B | N/E (3x16) + (17x10) | N/E (3x16) + (17x10) | With screws and/or clip | 1/10 |
| Type: Unipolar - Rated current 80 A - IP20 | | | | |
| GW 40 408 U | N/E (2x16) + (7x10) | | With screws | 1/10 |
| GW 40 412 U | N/E (3x16) + (11x10) | | With screws and/or clip | 1/10 |
| GW 40 422 U | N/E (3x16) + (29x10) | | With screws and/or clip | 1/10 |
| GW 40 418 U | N/E (3x16) + (17x10) | | With screws and/or clip | 1/10 |

ACCESSORIES SUPPLIED: fixing screws. The 80 A terminal blocks are equipped with N and E labels to be placed on the respective spaces to identify the poles.

CHARACTERISTICS: GWT 960°C according to EN60695-2-11.

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "EQUIPPABILITY OF GREEN WALL FLUSH-MOUNTING ENCLOSURES WITH TWO-POLE OR ONE-POLE TERMINAL" within the selection guides for the GREEN WALL range.



GW 40 413

ADAPTER FOR SCREW TERMINAL BLOCKS

| Code | For enclosures | Fastener to supports | Pack Carton |
|-----------|---|----------------------|-------------|
| GW 40 413 | 12 M (and multiples) and 18 M (and multiples) | With screws | 20 |

ACCESSORIES SUPPLIED: fixing screws.

CHARACTERISTICS: the adapter is pre-drilled for the correct assembly of the terminal block and pre-cut to allow installation also in enclosures with a 12 M modular step.

INSTALLATION: used to expand the number of possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of GREEN WALL range.



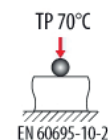
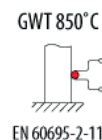
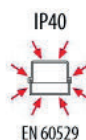
GW 48 645

KIT OF 4 LONG SELF-TAPPING SCREWS WITH SPACERS FOR FIXING LIDS AND FRONTS

| Code | Screw dimension (mm) | Spacer thickness (mm) | Pack Carton |
|-----------|----------------------|-----------------------|-------------|
| GW 48 645 | Ø 4x45 | Max 10 mm reducible | 1/100 |

CHARACTERISTICS: the kit can be used for the following flush-mounting ranges: CD Chorus, CDi/CDKi (from 6 modules upwards), 48 CM and 42 RV.

48 PT DIN GREEN WALL - JUNCTION BOXES FOR LIGHTWEIGHT AND PLASTERBOARD WALLS - IP40



FOR LIGHTWEIGHT AND PLASTERBOARD WALLS



GW 48 006 PM

JUNCTION AND CONNECTION BOXES FOR SIDE-BY-SIDE ASSEMBLY WITH DIN RAIL INTEGRATED ON THE BACK-MOUNTING BOX - COLOUR: WHITE LID RAL 9016



| Code | Outer dim. LxHxD (mm) | Compartment pre-arrangement | No. EN 50022 mod. per comp. | Domotic equipment coupling | Dispersible max power (W) | No. supports GW44720 | Pack Carton |
|--------------|-----------------------|-----------------------------|-----------------------------|----------------------------|---------------------------|----------------------|-------------|
| GW 48 006 PM | 196x152x75 | 2 | 4.5 | DIN rail | 11 | 2 | 1/30 |
| GW 48 007 PM | 294x152x75 | 3 | 5 | DIN rail | 13 | 3 | 1/21 |
| GW 48 008 PM | 392x152x75 | 4 | 5 | DIN rail | 17 | 4 | 1/14 |
| GW 48 009 PM | 480x160x75 | 3 | 8 | DIN rail | 25 | 5 | 1/12 |

APPLICATIONS: boxes with a built-in DIN rail on the back-mounting box, in accordance with regulations that require to fix by DIN rail the devices that disperse a certain amount of power inside the junction boxes (calculated in compliance with CEI 23-49), ideal for relocation of domotic equipment as actuators, power supplies, etc...

CHARACTERISTICS: surface embossing of the covers to facilitate painting. Pre-arrangement combined horizontal coupling using joining element, code GW48051. Lid protected with heat-shrinking film that also contains the bag of fixing screws. Locators to aid tracing the wall along the edges of the box. Boxes equipped with tabs for direct fixing on panels or a metal structure for lightweight and plasterboard walls. Possibility of fixing directly on the back-mounting box of the box.

ACCESSORIES SUPPLIED: ø3x38 mm screw kit for lid fixing.

NOTES: for the inputs, remove the knockouts after cutting the relative tangs with scissors. Dispersible power calculated according to CEI 23-49. Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1.

GWT 850°C, according to EN 60695-2-11, relative to the green flush-mounting back-mounting box. Also for KNX devices from DIN rail, domotic devices for domestic ranges, and devices for video entryphones.



GW 48 126 PM

JUNCTION AND CONNECTION BOX FOR SIDE-BY-SIDE ASSEMBLY WITH DIN RAIL INTEGRATED ON THE BACK-MOUNTING BOX - TRANSPARENT LID



| Code | Outer dim. LxHxD (mm) | Compartment pre-arrangement | No. EN 50022 mod. per comp. | Domotic equipment coupling | Dispersible max power (W) | No. supports GW44720 | Pack Carton |
|--------------|-----------------------|-----------------------------|-----------------------------|----------------------------|---------------------------|----------------------|-------------|
| GW 48 126 PM | 196x152x75 | 2 | 4.5 | DIN rail | 11 | 2 | 1/30 |

APPLICATION: boxes with a built-in DIN rail on the back-mounting box, in accordance with regulations that require to fix by DIN rail the devices that disperse a certain amount of power inside the junction boxes (calculated in compliance with CEI 23-49).

CHARACTERISTICS: Pre-arrangement combined horizontal coupling using joining element, code GW48051. Lid protected with heat-shrinking film that also contains the bag of fixing screws. Locators to aid tracing the wall along the edges of the box. Boxes equipped with tabs for direct fixing on panels or a metal structure for lightweight and plasterboard walls. Possibility of fixing directly on the back-mounting box of the box.

ACCESSORIES SUPPLIED: ø3x38 mm screw kit for lid fixing.

NOTES: for the inputs, remove the knockouts after cutting the relative tangs with scissors. Dispersible power calculated according to CEI 23-49. Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1.

GWT 850°C, according to EN 60695-2-11, relative to the green flush-mounting back-mounting box. Ideal for medical room applications where the earthing point must be inspectable.

COMPLEMENTARY ITEMS FOR BOXES FOR LIGHTWEIGHT AND PLASTERBOARD WALLS



GW 48 006 P

PROTECTIVE SHIELD FOR JUNCTION, CONNECTION AND DOMOTICS BOXES PT DIN AND PT DIN GREEN WALL



| Code | For boxes PT DIN | For PT DIN GREEN WALL boxes | Pack Carton |
|--------------------|---------------------|--------------------------------|----------------|
| GW 48 006 P | GW48006 | GW48006PM and GW48126PM | 70 |
| GW 48 007 P | GW48007 | GW48007PM | 60 |
| GW 48 008 P | GW48008 | GW48008PM | 50 |
| GW 48 009 P | GW48009 | GW48009PM | 40 |

CHARACTERISTICS: in technopolymer. applying the protective shield beneath the lid, the dispersible power of the box is reduced by 2W for GW48006PM, GW48007PM, GW48008PM boxes and by 3W for GW48009.

NOTES: clip fixing to speed up assembly and removal operations. Reusable.



GW 48 051

JOINING ELEMENT FOR PT / PT DIN AND PT DIN GREEN WALL BOXES



| Code | For PT / PT DIN boxes | For PT DIN GREEN WALL boxes | Pack Carton |
|------------------|--------------------------|--------------------------------|----------------|
| GW 48 051 | GW48003 - GW48011 | GW48006PM - GW48009PM | 10 |

NOTES: the use of the joining element makes it possible to create horizontal and/or vertical sets of boxes PT/PT DIN. For PT DIN GREEN WALL boxes, GW40425 element permits horizontal paths. GW48051 also for the box with transparent lid GW48126PM. GWT 850 °C according to EN 60695-2-11.



GW 48 012

INTERNAL DIVIDER FOR PT DIN AND PT DIN GREEN WALL BOXES



| Code | For boxes PT DIN | For PT DIN GREEN WALL boxes | Pack Carton |
|------------------|---------------------|--------------------------------|----------------|
| GW 48 012 | GW48006 - GW48011 | GW48006PM - GW48009PM | 50/300 |



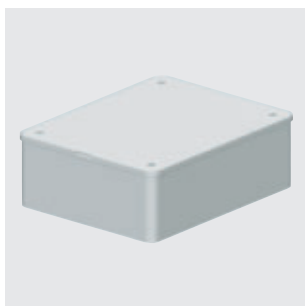
GW 48 018

HIGH-RESISTANCE SHOCKPROOF PLAIN COVERS FOR PT DIN AND PT DIN GREEN WALL BOXES WHITE RAL 9016 - IP40



| Code | Suitable for | Shock resistance | Pack Carton |
|------------------|-----------------------|---------------------|----------------|
| GW 48 017 | GW48006 and GW48006PM | IK10 | 10/100 |
| GW 48 018 | GW48007 and GW48007PM | IK10 | 10/80 |
| GW 48 019 | GW48008 and GW48008PM | IK10 | 10/40 |
| GW 48 020 | GW48009 and GW48009PM | IK10 | 10/40 |

CHARACTERISTICS: surface embossing of the covers to facilitate painting.



GW 48 086

DEEP LIDS FOR PT DIN AND PT DIN GREEN WALL BOXES



| Code | Suitable for | Pack Carton |
|------------------|-----------------------|-------------|
| GW 48 086 | GW48006 and GW48006PM | 1/10 |
| GW 48 087 | GW48007 and GW48007PM | 1/5 |
| GW 48 088 | GW48008 and GW48008PM | 1/5 |

CHARACTERISTICS: the deep lids are ideal for passing from an exposed system to a chased one. They have a removable front plate and a frame for connecting with trunking.
Max lid H = 49mm for boxes up to 196x152; max lid H = 66mm for boxes up to 392x152 and conduits with max Ø = 32mm.

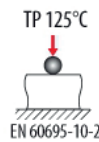
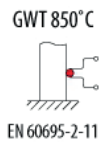


GW 48 023

LONG SELF-TAPPING SCREWS FOR SECURING COVER

| Code | Dimensions (mm) | Suitable for | Pack Carton |
|------------------|-----------------|---|-------------|
| GW 48 023 | Ø3x38 | Junction boxes range 48 PT / PT DIN and PT DIN GREEN WALL | 300/4200 |

44 ME - UNIPOLAR EQUIPOTENTIAL TERMINAL BLOCKS



TERMINAL BLOCKS FOR SIDE-BY-SIDE ASSEMBLY



GW 44 706

TERMINAL BLOCKS WITH INDIRECT PLATE TIGHTENING - 450V - T 85°C - TRANSPARENT

| Code | Connecting capacity | Pack Carton |
|-----------|----------------------------|-------------|
| GW 44 704 | 4 ways x 6 mm ² | 10/100 |
| GW 44 706 | 6 ways x 6 mm ² | 10/100 |
| GW 44 708 | 8 ways x 6 mm ² | 10/100 |

APPLICATIONS: embedded fixing on the GW44720 support, for coupling with the DIN rail.
NOTES: for the connection capacity, refer to the technical catalogue

ACCESSORIES FOR TERMINAL BLOCKS FOR SIDE-BY-SIDE ASSEMBLY



GW 44 720

SUPPORT FOR FIXING SIDE-BY-SIDE TERMINAL BLOCKS ON DIN RAIL

| Code | For equipotential terminal blocks | Terminal block fixing | Fixing on DIN rail | Pack Carton |
|-----------|-----------------------------------|-----------------------|--------------------|-------------|
| GW 44 720 | GW44704, GW44706, GW44708 | Clip | Lock-joint | 1/50 |

NOTES: ideal for applications on boxes of the 48 PT DIN range.
CHARACTERISTICS: supports a combination of terminal blocks with maximum 12-way capacity.
Possible combinations: 3xGW44704; 2xGW44706; 1xGW44704 + 1xGW44706; 1xGW44704 + 1xGW44708; Modular overall dimensions (width): 4.5 modules EN 50022.

MODULAR TERMINAL BLOCKS



GW 44 671

TERMINAL BLOCKS WITH INDIRECT SCREW TIGHTENING - 450V - T 85°C - TRANSPARENT

| Code | Connecting capacity | Pack Carton |
|-----------|---|-------------|
| GW 44 671 | 3 ways x 6 mm ² | 10/100 |
| GW 44 672 | 5 ways x 6 mm ² | 10/100 |
| GW 44 673 | 4 ways x 16 mm ² | 10/50 |
| GW 44 674 | 2 ways x 16mm ² + 3 ways x 6 mm ² | 10/50 |
| GW 44 675 | 2 ways x 16mm ² + 9 ways x 6 mm ² | 5/25 |
| GW 44 676 | 2 ways x 35 mm ² + 4 ways x 16 mm ² | 1/10 |

APPLICATIONS: especially suitable for creating equipotential nodes.
ACCESSORIES SUPPLIED: self-adhesive label for identification of electrical lines.
NOTES: GW44676 equipped with feedthrough terminals. These allow the creation of cut-outs from the main cables which, unsheathed in the part concerned, are not interrupted.

ACCESSORIES FOR MODULAR TERMINAL BLOCKS



GW 44 681

SUPPORT FOR FIXING MODULAR TERMINAL BLOCKS ON DIN RAIL

| Code | For equipotential terminal blocks | Terminal block fixing | Pack Carton |
|------------------|-----------------------------------|-----------------------|-------------|
| GW 44 681 | From GW44671 to GW44676 | Clip | 100 |



GW 44 682

ADAPTER FOR FIXING MODULAR TERMINAL BLOCKS

| Code | For equipotential terminal blocks | Terminal block fixing | Pack Carton |
|------------------|-----------------------------------|-----------------------|-------------|
| GW 44 682 | From GW44671 to GW44676 | Lock-joint | 200 |

APPLICATIONS: for fixing the equipotential terminal blocks on the plates or directly on the base inside the junction boxes and watertight boxes.

ACCESSORIES SUPPLIED: screws for fixing the adapter.

48 CM GREEN WALL - HIGH-CAPACITY BOXES FOR LIGHTWEIGHT AND PLASTERBOARD WALLS - IP40

INSTALLATION

min -15°C max +60°C

IK07

IP40

GWT 850°C


TP 70°C

PLAIN LID



GW 48 207 PM

JUNCTION AND CONNECTION BOXES FOR SIDE-BY-SIDE ASSEMBLY, FOR UPRIGHTS FOR LIGHTWEIGHT AND PLASTERBOARD WALLS PLAIN PLUMBABLE LID - WHITE RAL 9016

|  EN 60754-2 | | | | |
|---|-----------------------|-----------------------------|---------------------------|-------------|
| Code | Outer dim. LxHxD (mm) | Compartment pre-arrangement | Dispersible max power (W) | Pack Carton |
| GW 48 207 PM | 260x260x121 | 2 | 13 | 8 |
| GW 48 211 PM | 520x260x121 | 5 | 30 | 6 |

ACCESSORIES SUPPLIED: internal dividers, joint elements for combined assembly, self-adhesive symbol labels for circuit identification, and plumbable screws.

NOTES: dispersible power calculated according to IEC 60670-24. Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1. GWT 850°C, according to EN 60695-2-11, relative to the green flush-mounting back-mounting box.


CHARACTERISTICS: Locators to aid tracing the wall along the edges of the box. Boxes equipped with tabs for direct fixing on panels or a metal structure for lightweight and plasterboard walls. Possibility of fixing directly on the back-mounting box of the box. Horizontal modularity.

COMPLEMENTARY ITEMS



GW 48 251

SHOCKPROOF PLUMBABLE PLAIN LIDS FOR BOXES FOR UPRIGHTS - WHITE RAL 9016- IP44


|  EN 60754-2 | | | |
|---|---------------------|------------------|-------------|
| Code | Front dim. LxH (mm) | Shock resistance | Pack Carton |
| GW 48 247 | 260x260 | IK10 | 1/15 |
| GW 48 251 | 520x260 | IK10 | 1/10 |

ACCESSORIES SUPPLIED: self-adhesive symbol labels for circuit identification, and plumbable screws.



GW 48 271

SHOCKPROOF SEALABLE DEEP LIDS FOR BOXES FOR UPRIGHTS - GREY RAL 7035 - IP44

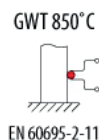
|  EN 60754-2 | | | |
|---|----------------------|------------------|-------------|
| Code | For boxes dimensions | Shock resistance | Pack Carton |
| GW 48 267 | 260x260 | IK10 | 1/10 |
| GW 48 271 | 520x260 | IK10 | 1/5 |

CHARACTERISTICS: the lid has a removable front plate and a frame for connection with trunking (max h = 65mm) and conduits (max Ø = 40mm). The frame is fitted for fixing the DIN rails (not supplied).

Pre-arrangement EN 50022: GW48267 horizontal 24 modules (2x12), vertical 24 modules (2x12); GW48271 horizontal 78 modules (26x3), vertical 36 modules (12x3)

ACCESSORIES SUPPLIED: self-adhesive symbol labels for circuit identification, and plumbable screws.

24 SC GREEN WALL - BOXES FOR MODULAR RANGES, KNX DEVICES AND DIGITAL VISION



RECTANGULAR BOXES FOR LIGHTWEIGHT AND PLASTERBOARD WALLS



GW 24 403 PM

HIGH CAPACITY RECTANGULAR BOXES FOR MODULAR DOMESTIC RANGES



| Code | Description | Fixing supports axles distance | Compartment pre-arrangement | Outer dim. LxHxD (mm) | Pack Carton |
|--------------|--------------|-----------------------------------|--------------------------------|--------------------------|----------------|
| GW 24 403 PM | 3 gang | 83.5 mm | 2 | 110x73x50 | 9/180 |
| GW 24 404 PM | 4 gang | 108.5 mm | 2 | 133x73x50 | 2/120 |
| GW 24 406 PM | 6 gang | 100 mm | 3 | 182x73x50 | 2/60 |
| GW 24 237 PM | 8 gang (4+4) | 108.5 mm | 2 | 131x129x53 | 2/24 |

CHARACTERISTICS: high resistance to mechanical stress and crushing. Removal of the knockouts without the use of tools. GW24403PM, GW24404PM, GW24406PM with unlosable metal grips and inserts with adjustable depth for fixing. GW24237PM with tabs for direct fixing on panels or a metal structure.

It is recommended to use a Ø 68 mm hollow mill for the correct installation of the rectangular boxes.

NOTES: Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1.

GWT 850°C, according to EN 60695-2-11, relative to the green flush-mounting box.

ROUND BOXES FOR LIGHTWEIGHT AND PLASTERBOARD WALLS



GW 24 234 PM

FLUSH-MOUNTING ROUND BOXES Ø65 WITH ADJUSTABLE DEPTH INSERTS



| Code | Description | Fixing supports axles distance | Dimensions (mm) | Pack Carton |
|--------------|-------------|-----------------------------------|--------------------|----------------|
| GW 24 234 PM | Round | 60 mm | Ø 65x45 | 5/200 |
| GW 24 282 PM | Double | | 125x72x45 | 2/108 |

CHARACTERISTICS: high resistance to mechanical stress and crushing. GW24282PM vertical assembly to be used in combination with 2 vertically coupled GW16821 or GW16822 or GW16823 supports, (removing the knockouts located on their contact side) and the Chorus International plates, 2 vertical gangs, 57 mm centre distance; Supplied with 4 fixing screws. GW24234PM to be used in combination with GW16821 or GW16822 or GW16823 supports and the Chorus International plates. Supplied with 4 fixing screws. Removal of the knockouts without the use of tools. It is recommended to use a Ø 65 mm hollow mill for the correct installation of the round boxes.

NOTES: Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1.

GWT 850°C, according to EN 60695-2-11, relative to the green flush-mounting box. for the inputs, remove the knockouts after cutting the relative tangs with scissors.

FLUSH-MOUNTING BOXES FOR KNX FOR LIGHTWEIGHT AND PLASTERBOARD WALLS



GW 24 101 PM

FLUSH-MOUNTING BOXES FOR SUPERVISION, COMMAND AND DISPLAY



| Code | Description | Fixing supports axles distance | Compartment pre-arrangement | Outer dim. LxHxD (mm) | Pack Carton |
|--------------|--------------------|-----------------------------------|--------------------------------|--------------------------|----------------|
| GW 24 101 PM | For Master ICE 10" | | | 306x238x80 | 1/14 |
| GW 24 102 PM | For Master ICE 15" | | | 396x306x85 | 1/6 |
| GW 24 237 PM | Command panels | 108.5 mm | 2 | 131x129x53 | 2/24 |

APPLICATIONS: GW24101PM for codes Master ICE 10" GW12010CB and GW12010CN.

GW24102PM for codes Master ICE 15" GW12015CB and GW12015CN.

GW24237PM for rectangular boxes for 8 gang (4+4) modular ranges.

NOTES: Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1.

GWT 850°C, according to EN 60695-2-11, relative to the green flush-mounting back-mounting box.

CHARACTERISTICS: boxes equipped with tabs for fixing on a metal structure for lightweight and plasterboard walls.

COMPLEMENTARY ITEMS FOR BOXES FOR LIGHTWEIGHT AND PLASTERBOARD WALLS - 24 SC GREEN WALL



GW 24 321

FUNCTIONAL DIVIDER FOR RECTANGULAR BOXES



| Code | For BIG BOX boxes | For GREEN WALL boxes | Pack Carton |
|-----------|---------------------------|---------------------------------|-------------|
| GW 24 321 | GW24403, GW24404, GW24406 | GW24403PM, GW24404PM, GW24406PM | 200 |

APPLICATIONS: to separate circuits of different voltages in accordance with Systems Standard IEC 60364 (international) and HD 384 (european).



GW 24 218

LID FOR ROUND FLUSH-MOUNTING BOXES - WHITE

| Code | Description | Fixing | Pack Carton |
|-----------|-------------|----------------------|-------------|
| GW 24 218 | Ø 65mm | With fixing clutches | 50/400 |

GREEN WALL BOXES FOR INTERLOCKED SOCKET-OUTLETS 67IB AND 44IB

GWT 850°C



EN 60695-2-11

2 J



EN 62262

TP 70°C



EN 60695-10-2

FLUSH-MOUNTING BOX FOR VERTICAL INTERLOCKED SWITCHED SOCKET-OUTLETS 67IB FOR LIGHTWEIGHT AND PLASTERBOARD WALLS



GW 66 683 PM

BOX WITH FRAME FOR FLUSH-MOUNTING OF VERTICAL INTERLOCKED SOCKET-OUTLETS - IP55



| Code | Houseable interloc. socket | For 67IB socket-outlets | Pack Carton |
|--------------|----------------------------|--------------------------------|-------------|
| GW 66 683 PM | 1 | 16/32 A SBF / CBF / Automatika | 1/10 |

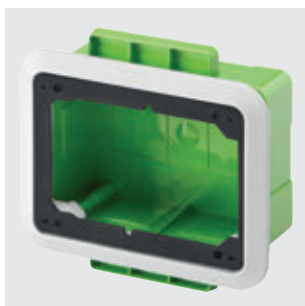
NOTES: the box cannot house the version with a 24V transformer. Halogen-free casing, in accordance with EN 60754-2. Casing type H in accordance with EN 60670-1, and type Ha in accordance with IEC 60670-1

GWT 850°C, according to EN 60695-2-11, relative to the green flush-mounting back-mounting box.

CHARACTERISTICS: locators for tracing the wall along the edges of the box; box equipped with tabs for direct fixing on panels or a metal structure, for lightweight and plasterboard walls.

ACCESSORIES SUPPLIED: self-tapping screw kit ø 4x45mm.

FLUSH-MOUNTING BOXES FOR HORIZONTAL INTERLOCKED SWITCHED SOCKET-OUTLETS 44IB FOR LIGHTWEIGHT AND PLASTERBOARD WALLS



GW 66 681 PM

BOXES WITH FRAME FOR FLUSH-MOUNTING OF FIXED HORIZONTAL SOCKET-OUTLETS SBF AND CBF IP44



| Code | Houseable interloc. socket | For 44 IB socket-outlets | Houseable IB socket-outlets | Pack Carton |
|--------------|----------------------------|--------------------------|-----------------------------|-------------|
| GW 66 681 PM | 1 | 16/32 A SBF | 16/32 A | 1/10 |
| GW 66 682 PM | 1 | 16/32 A CBF | 16/32 A | 1/10 |

NOTES: Halogen-free casings, in accordance with EN 60754-2.

Casing type H in accordance with EN 60670-1, and type Ha in accordance with IEC 60670-1.


GWT 850°C, according to EN 60695-2-11, relative to the green flush-mounting back-mounting box.

CHARACTERISTICS: locators for tracing the wall along the edges of the boxes; Boxes equipped with tabs for direct fixing on panels or a metal structure for lightweight and plasterboard walls.

ACCESSORIES SUPPLIED: self-tapping screw kit ø 4x45mm.

PLIABLE CONDUITS FOR THE GREEN WALL SYSTEM

GWT 850°C




EN 60695-2-11

CLASSIFICATION


3 4 2 2

EN 50086
EN 61386

750N

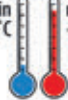


6 J



INSTALLATION

min -5°C max +90°C




PLIABLE CONDUIT ICTA LOW SMOKE ZERO HALOGEN



DX 22 016

MEDIUM PLIABLE CONDUIT, GREEN , SELF-EXTINGUISHING AND SELF- RECOVERING - PP



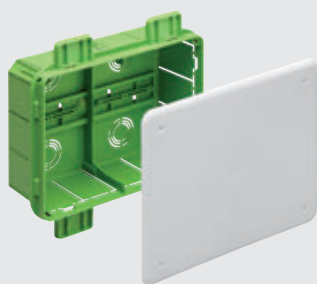
EN 61034-2
EN 60754-2

| Code | Conduits Ø (mm) | Pack Carton |
|----------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 22 016 | 16 | 100/4800 |
| DX 22 020 | 20 | 100/4000 |
| DX 22 025 | 25 | 50/2000 |
| DX 22 032 | 32 | 25/1100 |
| DX 22 040 | 40 | 25/500 |
| DX 22 050 | 50 | 25/400 |
| DX 22 063 | 63 | 20/400 |
| Type: with cable puller | | |
| DX 22 116 | 16 | 100/4800 |
| DX 22 120 | 20 | 100/4000 |
| DX 22 125 | 25 | 50/2000 |
| DX 22 132 | 32 | 25/1100 |
| DX 22 140 | 40 | 25/500 |
| DX 22 150 | 50 | 25/400 |
| DX 22 163 | 63 | 20/400 |

USE: the cable puller-feeder allows the wires to be pulled easily. Conformity to standards refers to the protective conduit and not to the cable puller-feeder.

NOTE: for the complete offer of pliable protective conduits, refer to the FK range.

Green Wall



SAFE, VERSATILE FIXING



The fastening tabs on the containers allow fixing on the metal frame or on the sheet. The clamps of the boxes for domestic ranges allow installation on sheets. The fixing holes instead allow surface-mounting in the event of renovation.

SIMPLE AND INNOVATIVE



The 24 SC GREEN WALL range has been completely renewed: the particular knock-out geometry allows a practical insertion of the pipe, which is held firmly in the seat. The "L" profile allows the rotation of the pipe in a vertical position inside its seat.

HIGH QUALITY MATERIALS



The constant research in the field of plastics has permitted the use of materials with high mechanical resistance, Halogen-Free, able to pass the GWT 850°C Glow Wire Test, according to the specific product standard and the system standard CEI 64/8.

FIXING METHODS FOR GREEN WALL PRODUCTS

| Articles | On metal frame | On sheet | On masonry wall |
|--|----------------|--------------------|-----------------|
| Enclosures and distribution boards | ✓ | | |
| Junction boxes | ✓ | ✓ (with tabs*) | ✓ |
| Boxes for interlocked socket-outlets 67IB and 44IB | ✓ | | |
| Boxes for domestic ranges - 3/4/6 gangs | | ✓ (with clamps) | |
| Boxes for round domestic ranges - 2 and 2+2 gangs | | ✓ (with tabs*) | |
| Box for domestic ranges - 8 gangs (4+4) ** | ✓ | ✓ (with tabs*) | |
| Box for Master and Vision Master | ✓ | ✓ (with tabs*) | |

* Tabs on the sides of the horizontal walls. Boards (24, 36, 54, 72 modules) and box for interlocked socket-outlets (67 IB) equipped with fixing tabs on the sides of the vertical walls.

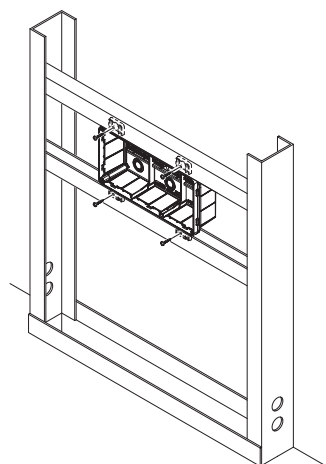
** Can also be used for the installation of command panels and video entryphones.

Fixing on a metal frame

The products can be fixed on a metal frame in two ways: for products with tabs on the sides of the horizontal walls, use an extra horizontal frame; for products with tabs on the sides of the vertical walls, use vertical uprights.

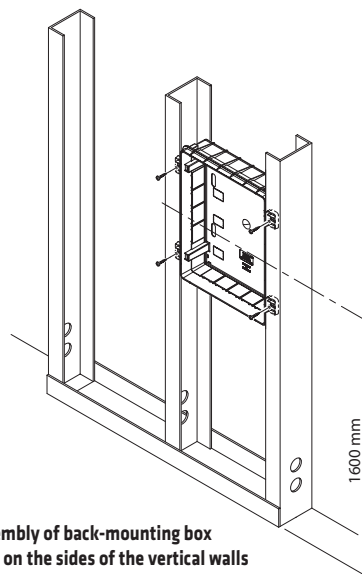
The structure is created with the aid of special screws for use with plasterboard, then the back-mounting box is fixed to the frame by means of the tabs.

E.g. assembly on a "U" rail profile (12 M enclosure)



Assembly of back-mounting box with tabs on the sides of the horizontal walls

E.g. assembly on a "C" upright profile (24 M board)



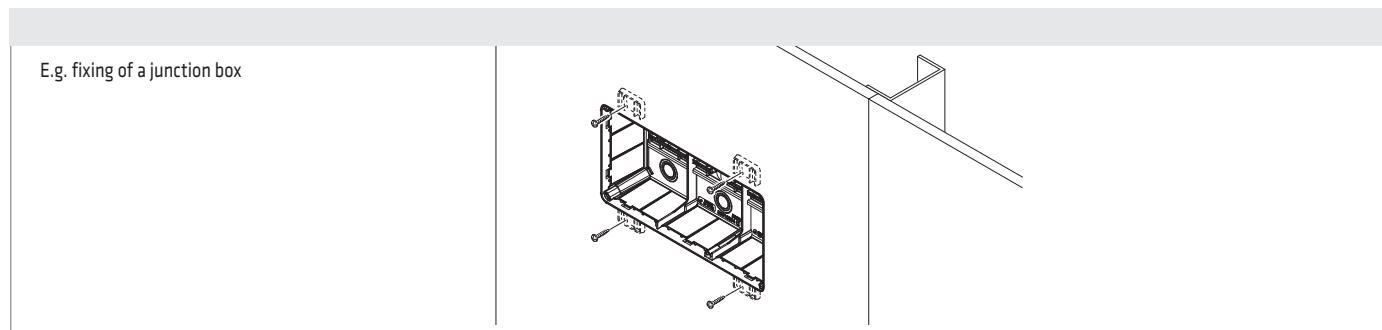
Assembly of back-mounting box with tabs on the sides of the vertical walls

Green Wall

Fixing on plasterboard

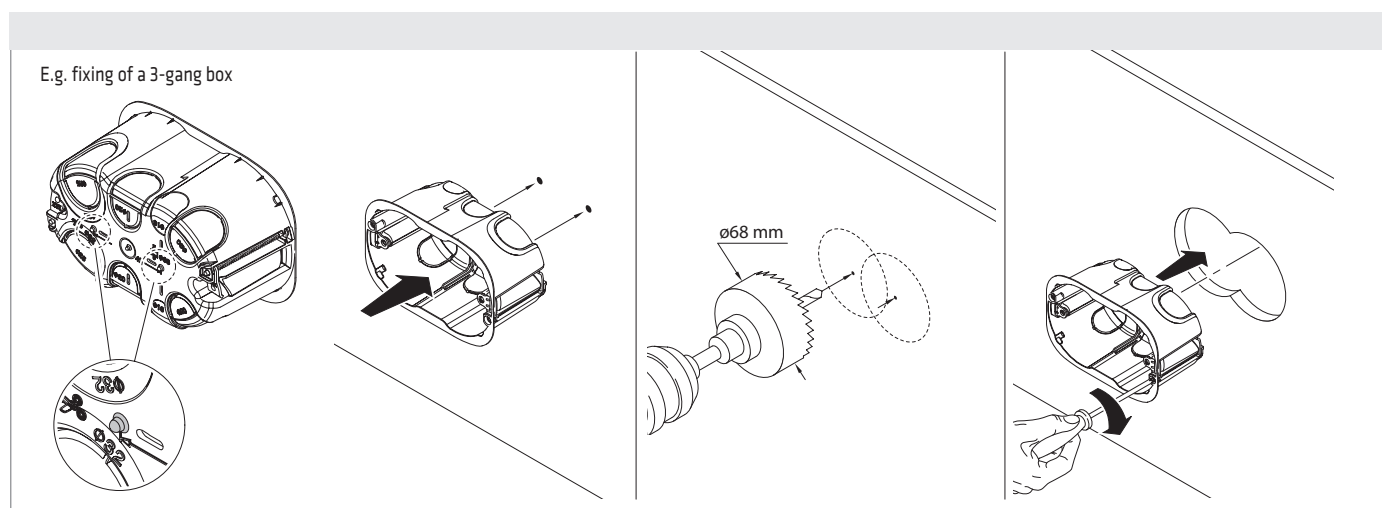
Method A: with tabs

The back-mounting box is fixed to the back of the sheet with the aid of the tabs, then anchored from the front of the sheet with special screws for use with plasterboard.



Method B: with clamps

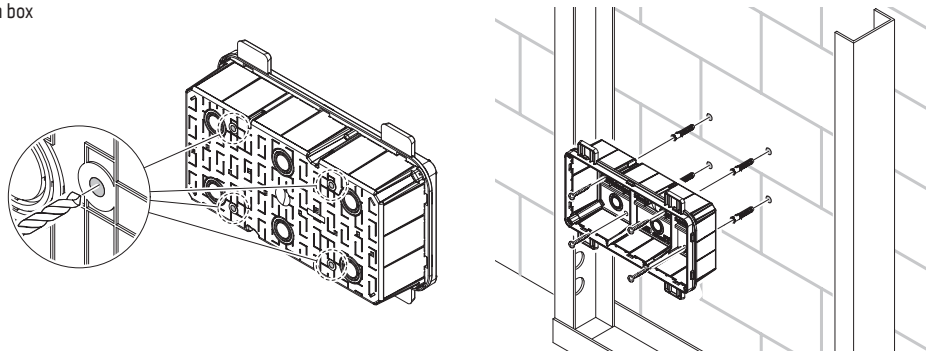
The boxes for modular domestic ranges (3,4,6 gangs) and the round boxes can be fixed directly to walls (even double sheet walls) using the metal clamps. To prepare the sheet for the installation of the boxes, use a hollow mill $\varnothing 68$ (for rectangular boxes of 3,4,6 gangs) or a hollow mill $\varnothing 65$ (for round boxes), using the references on the boxes themselves.



Fixing on a masonry wall

The back-mounting boxes of the PT DIN GREEN WALL and CM GREEN WALL junction boxes and of the boxes for interlocked switched socket-outlets are equipped with special reference points so they can be fixed to masonry walls with the aid of wall plugs.

E.g. fixing of a junction box



40 CDKi GREEN WALL - MODULAR PROTECTED ENCLOSURES AND DISTRIBUTION BOARDS - IP40

| TECHNICAL CHARACTERISTICS | |
|--|---|
| Regulation: IEC EN 606070-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*) | Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) |
| Suitable for assemblies in compliance with IEC EN 61439-1 and IEC EN 61439-3 | Impact resistance: IK 08 |
| Degree of protection: IP 40 (even with open door) | Heat resistance: thermo-pressure with ball 70°C |
| Protection against indirect contacts: double insulation - □ (•) | Resistance to abnormal heat and fire: Glow wire test 850°C |
| Installation temperature: max. +60°C, min. -15°C | Installation: for mobile and plasterboard walls |
| Rated voltage: 400V | Use: Indoor |
| Rated insulation voltage: 750V | |
| Rated current: 125A | |

(•) Complete insulation, in accordance with Standard EN 61140.
Notes: H-type casing in compliance with EN60670-24, and Ha-type in compliance with IEC60670-24.
(*) Enclosure type: GP (CEI 23-51) and PD

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|---------------|--------------------|-----------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

ENCLOSURES AND BOARDS

| | Code | Overall dimensions | | | | Modular assembly | | | | | Fixing | | | | |
|-----|-------------|--------------------|-----|----|-----|------------------|----|----|-----|-----|--------|-----|----|-----|-----|
| | | A | B | C | N | D | E | F | G | H | I | L | M | O | P |
| 12M | GW40 605 PM | 270 | 330 | 16 | 101 | 75 | 48 | 17 | 148 | 122 | 230 | 290 | 85 | 282 | 182 |

| | Code | Overall dimensions | | | | Modular assembly | | | | | | | | Fixing | | | | | |
|-----|--------------|--------------------|-----|----|-----|------------------|----|-----|-----|-----|----|-----|----|--------|-----|-----|----|-----|---------|
| | | A | B | C | N | E | F | G | H | P | D | D' | E' | F' | I | L | M | O | N°/P |
| 24M | GW 40 606 PM | 420 | 330 | 16 | 101 | 48 | 17 | 148 | 122 | 150 | 75 | - | - | - | 380 | 290 | 85 | 350 | 1/258 |
| 36M | GW 40 609 PM | 505 | 465 | 16 | 101 | 48 | 17 | 175 | 155 | 175 | 75 | 101 | 74 | 11 | 465 | 427 | 85 | 485 | 2/175 |
| 54M | GW 40 610 PM | 680 | 465 | 25 | 120 | 48 | 37 | 175 | 155 | 175 | 75 | 101 | 74 | 11 | 630 | 415 | 95 | 485 | 2/227.5 |
| 72M | GW40 611 PM | 880 | 465 | 25 | 120 | 48 | 37 | 175 | 155 | 175 | 75 | 101 | 74 | 11 | 805 | 415 | 95 | 485 | 2/327.5 |

48 PT DIN GREEN WALL - JUNCTION, CONNECTION AND DOMOTIC BOX - IP40

TECHNICAL CHARACTERISTICS

Regulation: EN 60670-1; EN 60670-22; IEC 60670-24

Degree of protection: IP 40

Installation temperature: max. +60°C; min. -15°C

Material: GW PLAST technopolymer, halogen-free in accordance with CEI EN 60754-2 (CEI EN 50267-2-2)

Impact resistance: IK 07

Heat resistance: thermo-pressure with ball 70°C

Resistance to abnormal heat and fire: Glow wire test 850°C

Installation: for mobile and plasterboard walls

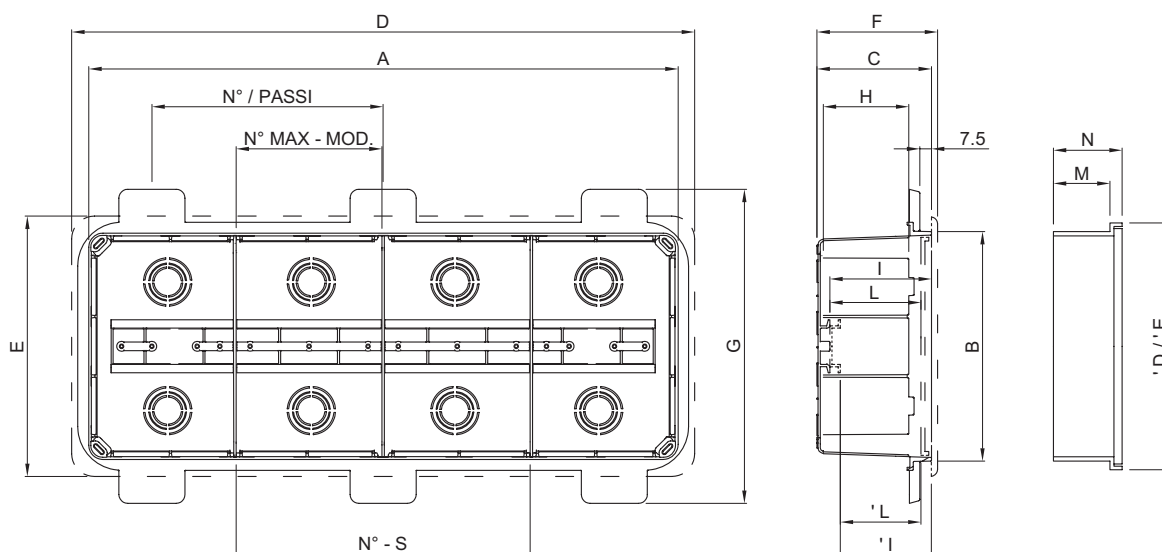
Notes: H-type casing in compliance with EN60670-22, and Ha-type in compliance with IEC60670-22.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Agent | Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-------------------------------------|-----------------|---------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|
| | | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| 48 PT / PT DIN standard cover | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |
| Shockproof cover for 48 PT / PT DIN | Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

JUNCTION BOXES



| Codice | Modular boxes | | | | | | | | | | | | Cover | | | Deep lid | | | | Max Ø of conduit per sector | Max Ø of conduit in the back-mounting box | Pde max. power loss |
|---|---------------|-----|----|-----|----|----------------|--------|-----------|----|----|----|------|-------|-----|------|----------|-----|----|----|-----------------------------|---|---------------------|
| | A | B | C | G | H | N° / P | N° - S | MAX no./M | I | L | 'I | 'L | D | E | F | 'D | 'E | M | N | | | |
| GW 48 006 PM GW 48 126 PM GW 48 086 | 196 | 152 | 75 | 207 | 57 | 1/100 | 2 | 4.5 | 69 | 61 | 62 | 53.5 | 222 | 178 | 79 | 214 | 170 | 49 | 56 | Ø50 | Ø32 | 11W |
| GW 48 007 PM GW 47 087 | 294 | 152 | 75 | 207 | 57 | 1/208 | 3 | 5 | 69 | 61 | 62 | 53.5 | 320 | 178 | 79 | 312 | 170 | 66 | 73 | Ø50 | Ø32 | 13W |
| GW 48 008 PM GW 48 088 | 392 | 152 | 75 | 207 | 57 | 2/153 | 4 | 5 | 70 | 63 | 63 | 55.5 | 418 | 178 | 80 | 410 | 170 | 66 | 73 | Ø50 | Ø32 | 17W |
| GW 48 009 PM | 480 | 160 | 75 | 213 | 57 | 1/153 1/250 | 3 | 8 | 70 | 61 | 63 | 53.5 | 506 | 186 | 80.5 | - | - | - | - | Ø50 | Ø50 | 25W |

Green Wall

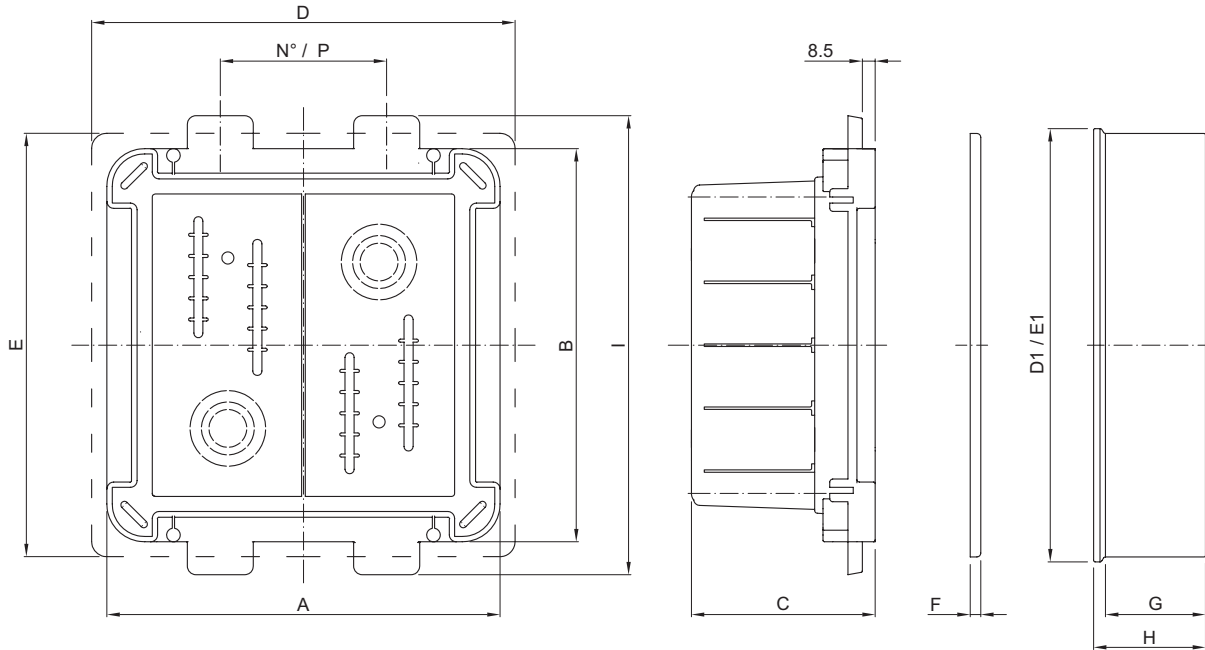
48 CM GREEN WALL – HIGH-CAPACITY CONNECTION AND JUNCTION BOX - IP40

| TECHNICAL CHARACTERISTICS | |
|---|--|
| Regulation: EN 60670-1; EN 60670-22; IEC 60670-24; | Impact resistance: IK 07 (IP40 box) |
| Degree of protection: IP 40 (IP 44 spare covers) | IK 10 (IP44 cover) |
| Installation temperature: max. +60°C, min. -15°C | Heat resistance: thermo-pressure with ball 70°C |
| Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) | Resistance to abnormal heat and fire: Glow wire test 850°C |
| | Installation: for mobile and plasterboard walls |

Notes: H-type casing in compliance with EN60670-22, and Ha-type in compliance with IEC60670-22.

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|---------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

| HIGH-CAPACITY JUNCTION BOXES | | | | | | | | | | | | |
|--|-----|-----|-------|-------|--------|-------------|-----|---|----------|-----|----|----|
|  | | | | | | | | | | | | |
| | Box | | | | | Shallow lid | | | Deep lid | | | |
| | A | B | C | I | N° / P | D | E | F | D1 | E1 | G | H |
| GW 48 207 PM GW 48 247 GW 48 267 | 260 | 260 | 121.5 | 303.5 | 1/110 | 280 | 280 | 7 | 286 | 286 | 67 | 74 |
| GW 48 211 PM GW 48 251 GW 48 271 | 520 | 260 | 121.5 | 303.5 | 2/193 | 540 | 280 | 7 | 286 | 286 | 67 | 74 |

24 SC GREEN WALL - FOR MODULAR RANGES, KNX DEVICES AND DIGITAL VISION

TECHNICAL CHARACTERISTICS

| | |
|---|--|
| Regulation: IEC EN 60670-1 (CEI 23-48) | Impact resistance: IK 07 |
| Degree of protection: IP 40 | Heat resistance: thermo-pressure with ball 70°C |
| Installation temperature: max. +60°C, min. -15°C (min. -25°C for boxes with 3,4,6 gangs) | Resistance to abnormal heat and fire: Glow wire test 850°C |
| Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) | Installation: for mobile and plasterboard walls |

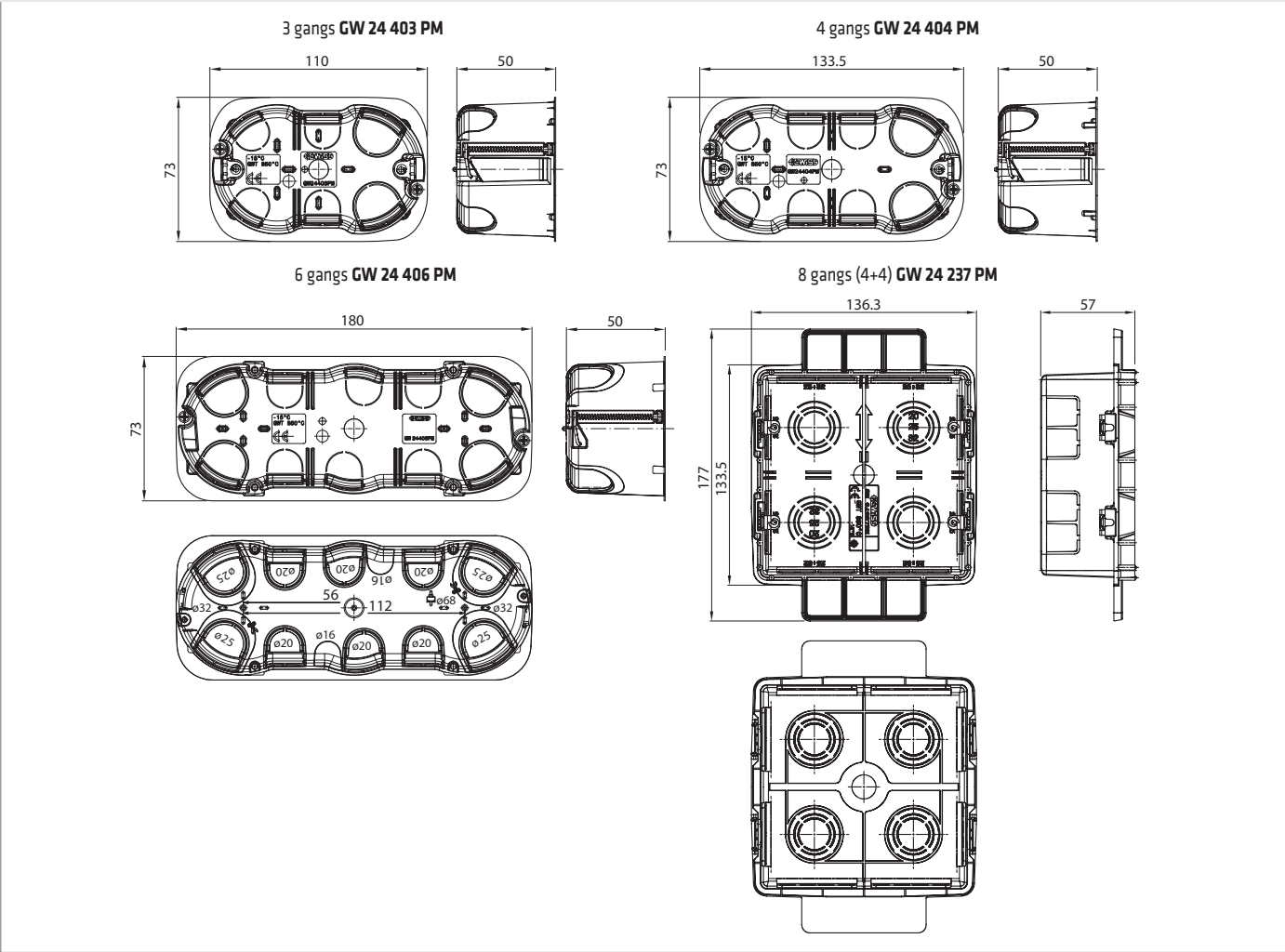
Notes: H-type casing in compliance with EN60670-1, and Ha-type in compliance with IEC60670-1.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| | Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------------------|-----------------|---------------|---------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|
| | | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Boxes with 3, 4 and 6 gangs | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |
| Round boxes | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |
| Boxes (with fixing tabs) | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

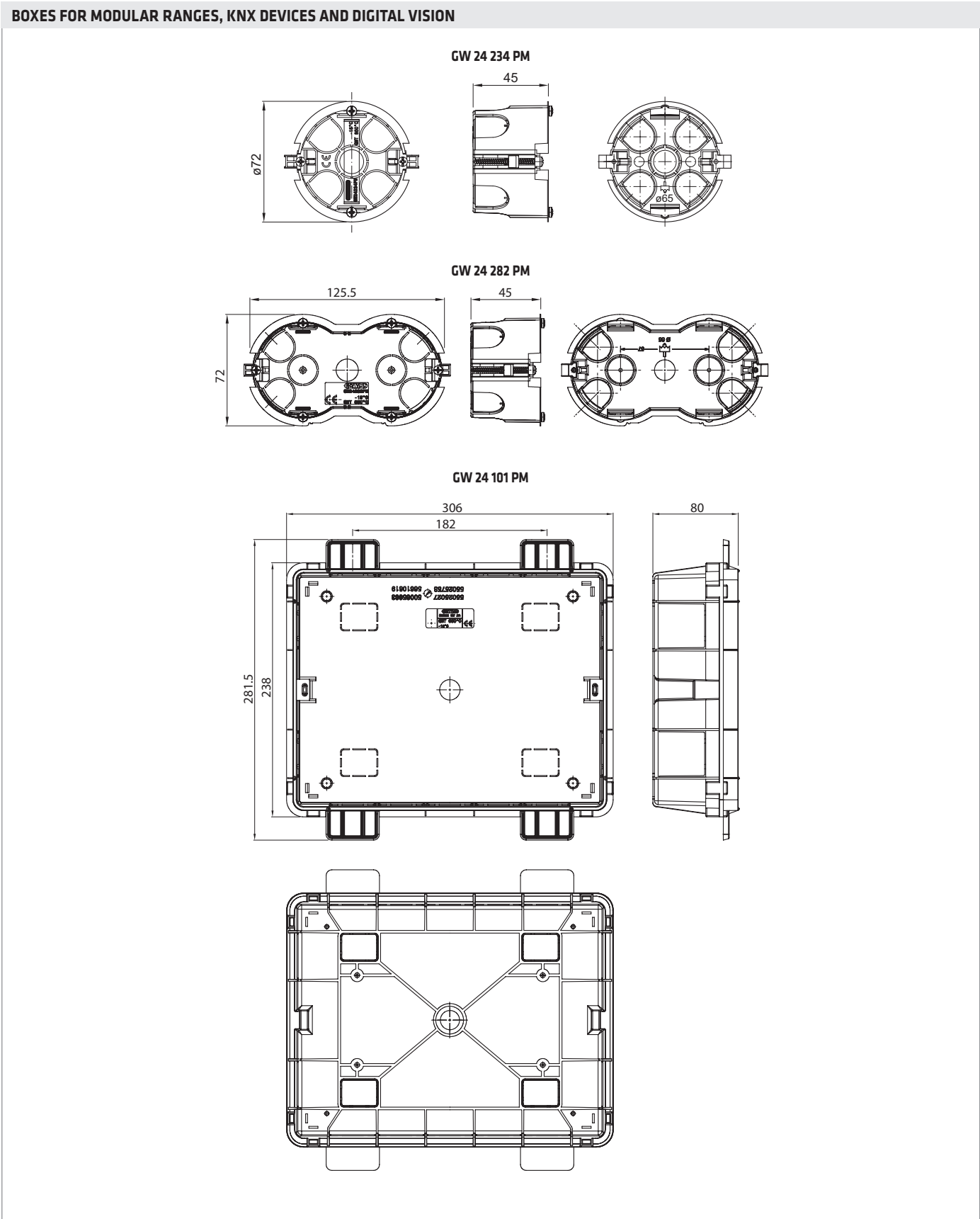
Dimension tables

BOXES FOR MODULAR RANGES, KNX DEVICES AND DIGITAL VISION



24 SC GREEN WALL – FOR MODULAR RANGES, KNX DEVICES AND DIGITAL VISION

Dimension tables



FLUSH-MOUNTING BOXES FOR INTERLOCKED SWITCHED SOCKET-OUTLETS

TECHNICAL CHARACTERISTICS

| | |
|--|--|
| Regulation: EN 60670-1 (CEI 23-48) | Impact resistance: IK07 |
| Installation temperature: min -15°C, max. +60°C | Heat resistance: thermo-pressure with ball 70°C |
| Material: GwPlast technopolymer, Halogen Free according to EN 60754-2 (CEI EN 50267-2-2) | Resistance to abnormal heat and fire: Glow wire test 850°C |

Notes: H-type casing in compliance with EN60670-1, and Ha-type in compliance with IEC60670-1.

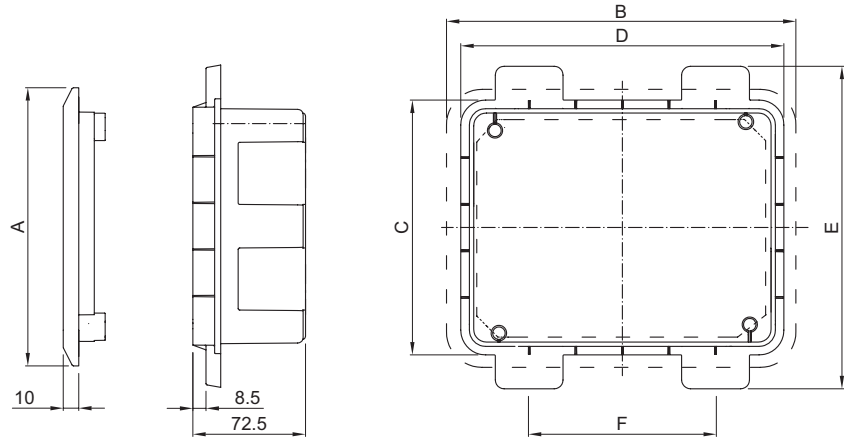
BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------|---------------|---------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

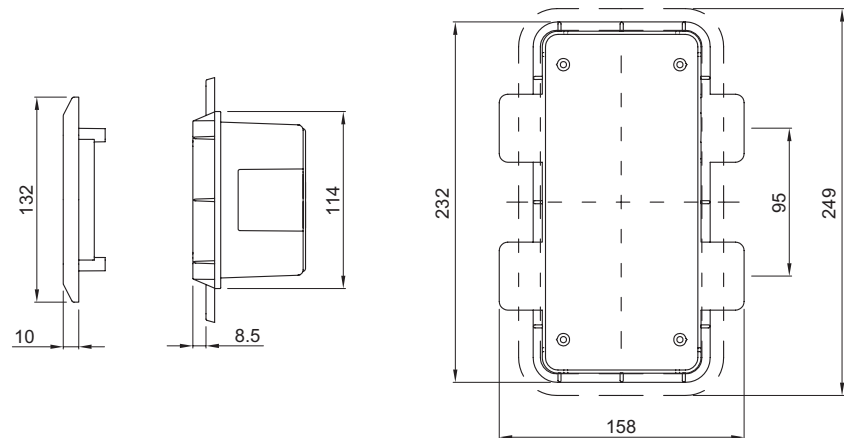
FLUSH-MOUNTING BOXES FOR INTERLOCKED SWITCHED SOCKET-OUTLETS




GW 66 681 PM - GW 66 682 PM








| Code | A | B | C | D | E | F |
|------------------|-----|-----|-----|-----|-----|-----|
| SBF GW 66 681 PM | 141 | 184 | 130 | 170 | 174 | - |
| CBF GW 66 682 PM | 179 | 225 | 164 | 208 | 208 | 120 |

GW 66 683 PM




























| | | FLUSH-MOUNTING ENCLOSURES | | | | | | | | | | | | | |
|--|---|---|------------------------------|----------------------------|-------------------------|----------------------|-----------------------------|--|------------------------|---------------|--------------------|---|--------------------|--------------|--|
| | | 40 CDi RANGE PROTECTED DECORATIVE ENCLOSURES IP40 | | | | | | 40 CDKi RANGE - MODULAR PROTECTED ENCLOSURES AND DISTRIBUTION BOARDS - IP40 | | | | 40 CDi RANGE CHORUS ENCLOSURES IP40 | | | |
| | |  | | | | | |  | | | |  | | | |
| | | Milk white | | Toner black | Varnished titanium | Varnished slate | White RAL 9010 | | | | Milk white | Titanium | Slate | | |
| Enclosure | | Smoked transparent | Blank | Smoked transparent | Smoked transparent | Smoked transparent | Smoked transparent | | Blank | | Smoked transparent | Smoked transparent | Smoked transparent | | |
| | | | | | | 1st level | | 2nd level | | 1st level | | 2nd level | | | |
| MODULES | 2 | with back-mounting box | - | - | - | - | GW 40 601 (*) | - | - | - | - | - | - | | |
| | 4 | with back-mounting box | GW 40 237 TB | GW 40 287 TB | GW 40 237 TN | GW 40 237 VT | GW 40 237 VA | GW 40 602 | - | GW 40 882 | - | - | - | | |
| | | front cover | GW 41 237 TB | - | GW 41 237 TN | GW 41 237 VT | GW 41 237 VA | - | - | - | - | - | - | | |
| | 6 | with back-mounting box | - | - | - | - | - | GW 40 603 | - | GW 40 883 | - | - | - | | |
| | 8 | with back-mounting box | GW 40 225 TB | GW 40 285 TB | GW 40 225 TN | GW 40 225 VT | GW 40 225 VA | GW 40 604 | - | GW 40 884 | - | - | - | | |
| | | with backmounting box and 80A - IP20 bipolar terminal block | - | - | - | - | - | GW 40 604 BS | - | GW 40 884 BS | - | - | - | | |
| | front cover | GW 41 225 TB | - | GW 41 225 TN | GW 41 225 VT | GW 41 225 VA | - | - | - | - | - | - | | | |
| | 12 | with back-mounting box | GW 40 229 TB | GW 40 289 TB | GW 40 229 TN | GW 40 229 VT | GW 40 229 VA | GW 40 605 | - | GW 40 885 | - | GW 40 981 TB | GW 40 981 VT | GW 40 981 VA | |
| | | with backmounting box and 80A - IP20 bipolar terminal block | - | - | - | - | - | GW 40 605 BS | - | GW 40 885 BS | - | - | - | - | |
| | front cover | GW 41 229 TB | - | GW 41 229 TN | GW 41 229 VT | GW 41 229 VA | - | - | - | - | - | - | - | | |
| | 18 | with back-mounting box | - | - | - | - | - | GW 40 608 | - | GW 40 888 | - | - | - | - | |
| | | with backmounting box and 80A - IP20 bipolar terminal block | - | - | - | - | - | GW 40 608 BS | - | GW 40 888 BS | - | - | - | - | |
| | 24 (12x2) | with back-mounting box | GW 40 233 TB | GW 40 293 TB | GW 40 233 TN | GW 40 233 VT | GW 40 233 VA | GW 40 606 | - | GW 40 886 | - | GW 40 991 TB | GW 40 991 VT | GW 40 991 VA | |
| | | with backmounting box and 80A - IP20 bipolar terminal block | - | - | - | - | - | GW 40 606 BS | GW 40 606 BD | GW 40 886 BS | GW 40 886 BD | - | - | - | |
| | front cover | GW 41 233 TB | - | GW 41 233 TN | GW 41 233 VT | GW 41 233 VA | - | - | - | - | - | - | - | | |
| | 36 (12x3) | with back-mounting box | GW 40 239 TB | GW 40 299 TB | GW 40 239 TN | GW 40 239 VT | GW 40 239 VA | - | - | - | - | - | - | - | |
| | | with backmounting box and 80A - IP20 bipolar terminal block | - | - | - | - | - | - | - | - | - | - | - | - | |
| front cover | GW 41 239 TB | - | GW 41 239 TN | GW 41 239 VT | GW 41 239 VA | - | - | - | - | - | - | - | | | |
| 36 (18x2) | with back-mounting box | - | - | - | - | - | GW 40 609 | - | GW 40 889 | - | - | - | - | | |
| | with backmounting box and 80A - IP20 bipolar terminal block | - | - | - | - | - | GW 40 609 BS | GW 40 609 BD | GW 40 889 BS | GW 40 889 BD | - | - | - | | |
| 48 (12x4) | with backmounting box and 80A - IP20 bipolar terminal block | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 54 (18x3) | with back-mounting box | - | - | - | - | - | GW 40 610 | - | GW 40 890 | - | - | - | - | | |
| | with backmounting box and 80A - IP20 bipolar terminal block | - | - | - | - | - | GW 40 610 BD | GW 40 610 BT | GW 40 890 BD | GW 40 890 BT | - | - | - | | |
| 72 (18x4) | with back-mounting box | - | - | - | - | - | GW 40 611 | - | GW 40 891 | - | - | - | - | | |
| | with backmounting box and 80A - IP20 bipolar terminal block | - | - | - | - | - | GW 40 611 BD | GW 40 611 BQ | GW 40 891 BD | GW 40 891 BQ | - | - | - | | |
| COMPLEMENTARY ITEMS | Anti-deformation brackets for walling back-mounting boxes | | - | | | | | | GW 40 479 from 36M | | | | - | | |
| | Combined coupling component | | 2 x GW 40 425 for 8M and 12M | | | | | | 2 x GW 40 425 from 12M | | | | - | | |
| | Kit of 4 long screws with spacers | | GW 48 645 from 8M | | | | | | GW 48 645 from 6M | | | | GW 48 645 | | |
| | Internal dividers (horizontal and vertical) | | - | | | | | | horizontal | Modules | | Code | | - | |
| | | | | | | | | | | 24 (12x2) | | GW 40 487 | | | |
| | | | | | | | | | | 36-54-72 | | GW 40 488 | | | |
| | 1-module high blank cover panels | | - | | | | | | Modules | | Code | | - | | |
| | | | | | | | | | 24 | | GW 40 495 | | | | |
| | | | | | | | | | 36-54-72 | | GW 40 496 | | | | |
| | Security lock | | Modules | | Code | | Modules | | Code | | - | | | | |
| | | | 24 | | 1 x GW 40 422 | | 4-6-8-12-18-24-36 | | 1 x GW 40 422 | | | | | | |
| | | | 36 | | 2 x GW 40 422 | | 54-72 | | 2 x GW 40 422 | | | | | | |
| | Back-mounting boxes | | Modules | | Code | | - | | - | | - | | | | |
| | | | 4 | | GW 40 671 | | | | | | | | | | |
| | | | 8 | | GW 40 673 | | | | | | | | | | |
| 12 | | | GW 40 674 | | | | | | | | | | | | |
| 24 | | | GW 40 677 | | | | | | | | | | | | |
| 36 | | | GW 40 679 | | | | | | | | | | | | |
| Blanking module profile | | 6,5M | | | | | | 4,5M | | | | 4,5M | | | |
| | | GW 40 467 TB (Milk white) | GW 40 467 TB (Milk white) | GW 40 467 TN (Toner black) | GW 40 467 VT (Titanium) | GW 40 467 VA (Slate) | RAL 9016 White GW 40 467 | | | | White RAL 9010 | GW 40 467 | | | |
| | | | | | | | | | | Grey RAL 7035 | GW 40 423 | | | | |
| Expansion kit for home network enclosure | | - | | | | | | - | | | | - | | | |
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FLUSH-MOUNTING ENCLOSURES

| 40 CDi RANGE PROTECTED ENCLOSURES IP40 | 48 PTC RANGE MODULAR WATERTIGHT ENCLOSURES AND BOARDS - IP55 | 40 CDKi RANGE GREEN WALL MODULAR AND PROTECTED ENCLOSURE AND DISTRIBUTION BOARDS FOR PLASTERBOARD - IP40 | 40 CDi RANGE PROTECTED ENCLOSURES FOR PLASTERBOARD WALLS - IP40 | HOME NETWORK ENCLOSURE FOR NETWORK CABLING IP40 |
|---|---|---|--|---|
|  |  |  |  Metal frame |  |
| White RAL 9010 | Grey RAL 7035 | White RAL 9010 | White RAL 9003 | White RAL 9010 |
| Blank | Smoked transparent | Smoked transparent | Metal blank door | Blank |
| - | - | - | - | GW 40 390 (external dimension LxHxD 465x680x95 mm) |
| - | GW 48 686 (prepared to housing N°2 IEC309 socket-outlets) | - | - | |
| - | - | - | - | |
| - | GW 48 681 | - | - | |
| GW 40 655 | - | - | - | |
| - | - | - | - | |
| - | - | - | - | |
| GW 40 657 | GW 48 682 | GW 40 605 PM | - | |
| - | - | - | GW 40 161 | |
| - | - | - | - | |
| - | - | - | - | |
| - | - | - | - | |
| GW 40 659 | - | GW 40 606 PM | - | |
| - | - | - | GW 40 162 | |
| - | - | - | - | |
| - | - | - | GW 40 163 | |
| - | - | - | - | |
| GW 40 661 | - | GW 40 609 PM | - | |
| - | - | - | - | |
| - | - | - | GW 40 164 | |
| - | - | GW 40 610 PM | - | |
| - | - | - | - | |
| - | - | GW 40 611 PM | - | |
| - | - | - | - | |
| - | - | - | - | - |
| - | GW 48 026 (also more than one) | 2 x GW 40 425 PM for 12 M | - | 2 x GW 40 425 |
| GW 48 645 | GW 48 645 | GW 48 645 for 12 M | - | - |
| - | - | Modules Code | Modules Code | - |
| - | - | 24 GW 40 487 (horizontal) | 12 GW 40 460 | |
| - | - | 36-54-72 GW 40 488 (horizontal) | 24 GW 40 460 | |
| - | - | 48 GW 40 460 | 36 GW 40 460 | |
| - | - | Modules Code | Modules Code | - |
| - | - | 24 GW 40 495 | 12 GW 40 460 | |
| - | - | 36-54-72 GW 40 496 | 24 GW 40 460 | |
| - | - | 48 GW 40 460 | 36 GW 40 460 | |
| 1 x GW 40 421 (triangular) from 12M | 1 x GW 48 644 (watertight metal cylinder) | Modules Code | 1 x GW 40 463 (metal cylinder) | 1 x GW 40 422 |
| - | - | 12-24-36 1 x GW 40 422 | - | - |
| - | - | 54-72 2 x GW 40 422 | - | - |
| - | - | - | - | GW 40 790 |
| 4,5M | 4,5M | 4,5M | 4,5M | - |
| RAL 9016 White - GW 40 467 | RAL 7035 Grey - GW 40 423 | RAL 9016 White - GW 40 467 | RAL 9016 White - GW 40 467 | - |
| - | - | - | - | GW 38 097 - GW 38 098 - GW 38 099 |

COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS

| Flush-mounting enclosure range | Modules | Door | Code | Terminal blocks position | Screw terminal blocks type | | |
|---|--------------|--------------------|--------------|---|---|--|---|
| | | | | |  | | |
| | | | | | TERMINAL BLOCK SIZE 1 | | |
| | | | | | Bipolar 125 A 2 x [(1x25)+(7x10)] GW 40 401 | Bipolar 80 A 2 x [(2x16)+(7x10)] GW 40 408 B | Unipolar 80 A 1 x [(2x16)+(7x10)] GW 40 408 U |
| 40CDI DECORATIVE ENCLOSURES IP40  | 8 | Smoked transparent | GW 40 225 TB |  | No. 1 | No. 1 | No. 1 |
| | | Smoked transparent | GW 40 225 TN | | | | |
| | | Smoked transparent | GW 40 225 VT | | | | |
| | | Smoked transparent | GW 40 225 VA | | | | |
| | | Blank | GW 40 285 TB | | | | |
| | 12 | Smoked transparent | GW 40 229 TB |  | No. 1 (*) | No. 1 (*) | No. 1 (*) |
| | | Smoked transparent | GW 40 229 TN | | | | |
| | | Smoked transparent | GW 40 229 VT | | | | |
| | | Smoked transparent | GW 40 229 VA | | | | |
| | | Blank | GW 40 289 TB | | | | |
| | 24 (12x2) | Smoked transparent | GW 40 233 TB |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | | Smoked transparent | GW 40 233 TN | | | | |
| | | Smoked transparent | GW 40 233 VT | | | | |
| | | Smoked transparent | GW 40 233 VA | | | | |
| | | Blank | GW 40 293 TB | | | | |
| | 36 (12x3) | Smoked transparent | GW 40 239 TB |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | | Smoked transparent | GW 40 239 TN | | | | |
| | | Smoked transparent | GW 40 239 VT | | | | |
| | | Smoked transparent | GW 40 239 VA | | | | |
| | | Blank | GW 40 299 TB | | | | |
| 40 CDi - IP40: PROTECTED MODULAR ENCLOSURES AND DISTRIBUTION BOARDS  | 8 | Smoked transparent | GW 40 604 |  | No. 1 | No. 1 | No. 1 |
| | | Blank | GW 40 884 | | | | |
| | 12 | Smoked transparent | GW 40 605 |  | No. 1 (*) | No. 1 (*) | No. 1 (*) |
| | | Blank | GW 40 885 | | | | |
| | 18 | Smoked transparent | GW 40 608 |  | No. 1 (*) | No. 1 (*) | No. 1 (*) |
| | | Blank | GW 40 888 | | | | |
| | 24 (12x2) | Smoked transparent | GW 40 606 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | | Blank | GW 40 886 | | | | |
| | 36 (18x2) | Smoked transparent | GW 40 609 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | | Blank | GW 40 889 | | | | |
| | 54 (18x3) | Smoked transparent | GW 40 610 |  | No. 3 (*) | No. 3 (*) | No. 3 (*) |
| | | Blank | GW 40 890 | | | | |
| | 72 (18x4) | Smoked transparent | GW 40 611 |  | No. 4 (*) | No. 4 (*) | No. 4 (*) |
| | | Blank | GW 40 891 | | | | |
| 40 CDi PROTECTED ENCLOSURES IP40  | 8 | Blank | GW 40 655 |  | No. 1 | No. 1 | No. 1 |
| | 12 | Blank | GW 40 657 |  | No. 1 (*) | No. 1 (*) | No. 1 (*) |
| | 24 (12x2) | Blank | GW 40 659 |  | No. 2 | No. 2 | No. 2 |
| | 36 (18x2) | Blank | GW 40 661 |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | | | | | | | |
| 40 CDi - IP40: GREEN WALL ENCLOSURES AND DISTRIBUTION BOARDS FOR PLASTERBOARD WALLS  | 12 | Smoked transparent | GW 40 605 PM |  | No. 1 (*) | No. 1 (*) | No. 1 (*) |
| | 24 (12x2) | Smoked transparent | GW 40 606 PM |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | 36 (18x2) | Smoked transparent | GW 40 609 PM |  | No. 2 (*) | No. 2 (*) | No. 2 (*) |
| | 54 (18x3) | Smoked transparent | GW 40 610 PM |  | No. 3 (*) | No. 3 (*) | No. 3 (*) |
| | 72 (18x4) | Smoked transparent | GW 40 611 PM |  | No. 4 (*) | No. 4 (*) | No. 4 (*) |

(*) The installation is allowed using No.1 adapter GW40413 for each terminal block installed.

COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS
Screw terminal blocks type


| TERMINAL BLOCK SIZE 2 | | | | TERMINAL BLOCK SIZE 3 | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|
| Bipolar 125 A 2 x [(3x25)+(10x10)] | Bipolar 80 A 2 x [(3x16)+(11x10)] | Unipolar 80 A 1 x [(3x16)+(11x10)] | Unipolar 80 A 1 x [(3x16)+(29x10)] | Bipolar 125 A 2 x [(5x25)+(14x10)] | Bipolar 80 A 2 x [(3x16)+(17x10)] | Unipolar 80 A 1 x [(3x16)+(17x10)] |
| GW 40 402 | GW 40 412 B | GW 40 412 U | GW 40 422 U | GW 40 404 | GW 40 418 B | GW 40 418 U |
| - | - | - | - | - | - | - |
| No. 1 | No. 1 | No. 1 | No. 1 | - | - | - |
| No. 2 | No. 2 | No. 2 | No. 2 | - | - | - |
| No. 2 | No. 2 | No. 2 | No. 2 | - | - | - |
| - | - | - | - | - | - | - |
| No. 1 | No. 1 | No. 1 | No. 1 | - | - | - |
| No. 1 (*) | No. 1 (*) | No. 1 (*) | No. 1 (*) | No. 1 | No. 1 | No. 1 |
| No. 2 | No. 2 | No. 2 | No. 2 | - | - | - |
| No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 | No. 2 | No. 2 |
| No. 3 (*) | No. 3 (*) | No. 3 (*) | No. 3 (*) | No. 3 | No. 3 | No. 3 |
| No. 4 (*) | No. 4 (*) | No. 4 (*) | No. 4 (*) | No. 4 | No. 4 | No. 4 |
| - | - | - | - | - | - | - |
| No. 1 | No. 1 | No. 1 | No. 1 | - | - | - |
| - | - | - | - | - | - | - |
| No. 2 | No. 2 | No. 2 | No. 2 | - | - | - |
| No. 1 | No. 1 | No. 1 | No. 1 | - | - | - |
| No. 2 | No. 2 | No. 2 | No. 2 | - | - | - |
| No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 (*) | No. 2 | No. 2 | No. 2 |
| No. 3 (*) | No. 3 (*) | No. 3 (*) | No. 3 (*) | No. 3 | No. 3 | No. 3 |
| No. 4 (*) | No. 4 (*) | No. 4 (*) | No. 4 (*) | No. 4 | No. 4 | No. 4 |

40 CDi

Flush-mounting distribution boards and enclosures

The widest offer of flush-mounting distribution boards and enclosures currently available on the market. Seven families designed to offer advanced solutions in the residential and commercial sector, also available in halogen-free material. Versions from 2 to 72 modules, degree of protection from IP40 to IP55 and special versions for plasterboard. The offer also includes the Home Networking Enclosure compliant with Law 164/2014 and Telecom Italia approved.



Technical characteristics page 1379

40 CDI - DECORATIVE ENCLOSURES - IP40

INSTALLATION
min -15°C max +60°C

IK08

IP40
EN 60529

GWT 650°C
EN 60695-2-11


CLASS II
EN 61140

SMOKED TRANSPARENT DOOR



GW 40 229 TB

DECORATIVE ENCLOSURES PRE-ARRANGED FOR HOUSING TERMINAL BLOCKS

|  EN 60754-2 | | | | | |
|--|--------------------|--------------------------|------------|-----------------------|-------------|
| Code | Colour | Front dim. LxHxD (mm) | Spare base | Dispersible power (W) | Pack Carton |
| No. of modules EN 50022: 4+1/2 | | | | | |
| GW 40 237 TB | Milk white | 148x165x23 | GW40671 | 13 | 12 |
| GW 40 237 TN | Toner black | 148x165x23 | GW40671 | 13 | 12 |
| GW 40 237 VT | Varnished titanium | 148x165x23 | GW40671 | 13 | 12 |
| GW 40 237 VA | Varnished slate | 148x165x23 | GW40671 | 13 | 12 |
| No. of modules EN 50022: 8+1/2 | | | | | |
| GW 40 225 TB | Milk white | 250x195x26 | GW40673 | 19 | 16 |
| GW 40 225 TN | Toner black | 250x195x26 | GW40673 | 19 | 16 |
| GW 40 225 VT | Varnished titanium | 250x195x26 | GW40673 | 19 | 16 |
| GW 40 225 VA | Varnished slate | 250x195x26 | GW40673 | 19 | 16 |
| No. of modules EN 50022: 12+1 | | | | | |
| GW 40 229 TB | Milk white | 330x218x25 | GW40674 | 24 | 12 |
| GW 40 229 TN | Toner black | 330x218x25 | GW40674 | 24 | 12 |
| GW 40 229 VT | Varnished titanium | 330x218x25 | GW40674 | 24 | 12 |
| GW 40 229 VA | Varnished slate | 330x218x25 | GW40674 | 24 | 12 |
| No. of modules EN 50022: 24+2 (12x2) | | | | | |
| GW 40 233 TB | Milk white | 330x338x28 | GW40677 | 25 | 5 |
| GW 40 233 TN | Toner black | 330x338x28 | GW40677 | 25 | 5 |
| GW 40 233 VT | Varnished titanium | 330x338x28 | GW40677 | 25 | 5 |
| GW 40 233 VA | Varnished slate | 330x338x28 | GW40677 | 25 | 5 |
| No. of modules EN 50022: 36+3 (12x3) | | | | | |
| GW 40 239 TB | Milk white | 330x493x28 | GW40679 | 42 | 5 |
| GW 40 239 TN | Toner black | 330x493x28 | GW40679 | 42 | 5 |
| GW 40 239 VT | Varnished titanium | 330x493x28 | GW40679 | 42 | 5 |
| GW 40 239 VA | Varnished slate | 330x493x28 | GW40679 | 42 | 5 |

ACCESSORIES SUPPLIED: 6.5 M module-covering profiles co-ordinated with the colour of the enclosure front (for 4, 8 and 12-module enclosures - 1 profile; for 24-module enclosures - 2 profiles; for 36-module enclosures- 3 profiles), circuit labels, mortar guard element in cardboard supplied as standard in the packs and packed with paper banding.

NOTES: Dispersible power calculated according to CEI 23-49.

CHARACTERISTICS: Module-covering profiles can be divided into 1/2 module elements, using scissors.

Mortar guard element assembled by pressing on the base opening. Thermo-pressure with ball equal to 70°C.

IP40 guaranteed even with open door, in the case of wall-embedded installation using devices of at least IP40 and the module-covering profiles supplied.

Bottoms of 8 and 12 module enclosures can be assembled side-by-side using combined coupling element GW40425.

Enclosures composed by front cover;Front of the enclosure and DIN rail frame fully compatible with the bottom of the previous decorative flush mounting enclosures 40CDi Range DIN frame, terminal blocks and back plastic bottom.

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CDi range.

BLANK DOOR



GW 40 293 TB

DECORATIVE ENCLOSURES PREDISPOSED FOR HOUSING TERMINAL BLOCKS



| Code | No. of modules EN 50022 | Colour | Outer dim. LxHxD (mm) | Dispersible power (W) | Spare base | Pack Carton |
|--------------|----------------------------|------------|--------------------------|--------------------------|---------------|----------------|
| GW 40 287 TB | 4 | Milk white | 148x165x23 | 13 | GW40671 | 12 |
| GW 40 285 TB | 8 | Milk white | 250x195x26 | 19 | GW40673 | 16 |
| GW 40 289 TB | 12 | Milk white | 330x218x25 | 24 | GW40674 | 12 |
| GW 40 293 TB | 24 (12x2) | Milk white | 330x338x28 | 25 | GW40677 | 5 |
| GW 40 299 TB | 36 (12x3) | Milk white | 330x493x28 | 42 | GW40679 | 5 |

ACCESSORIES SUPPLIED: 6.5 M module-covering profiles co-ordinated with the colour of the enclosure front (for 4, 8 and 12-module enclosures - 1 profile; for 24-module enclosures - 2 profiles; for 36-module enclosures - 3 profiles), circuit labels, mortar guard element in cardboard supplied as standard in the packs and packed with paper banding.

NOTES: Dispersible power calculated according to CEI 23-49.

CHARACTERISTICS: Module-covering profiles can be divided into 1/2 module elements, using scissors.

Mortar guard element assembled by pressing on the base opening. Thermo-pressure with ball equal to 70°C.

IP40 guaranteed even with open door, in the case of wall-embedded installation using devices of at least IP40 and the module-covering profiles supplied.

Bottoms of 8 and 12 module enclosures can be assembled side-by-side using combined coupling element GW40425.

Enclosures composed by front cover; Front of the enclosure and DIN rail frame fully compatible with the bottom of the previous decorative flush mounting enclosures 40CDi Range DIN frame, terminal blocks and back plastic bottom.

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CDi range.

COMPLEMENTARY ITEMS FOR DECORATIVE ENCLOSURES



GW 41 229 VT

FRONT COVERS AND RELATIVE FUNCTIONAL FRAMES WITH DIN RAIL FOR DECORATIVE ENCLOSURES



| Code | Colour | Front dim. LxHxD (mm) | Corresponding back plate | Dispersible power (W) | Pack Carton |
|---|--------------------|--------------------------|-----------------------------|--------------------------|----------------|
| No. of modules EN 50022: 4+1/2 | | | | | |
| GW 41 237 TB | Milk white | 148x165x23 | GW40671 | 13 | 12 |
| GW 41 237 TN | Toner black | 148x165x23 | GW40671 | 13 | 12 |
| GW 41 237 VT | Varnished titanium | 148x165x23 | GW40671 | 13 | 12 |
| GW 41 237 VA | Varnished slate | 148x165x23 | GW40671 | 13 | 12 |
| No. of modules EN 50022: 8+1/2 | | | | | |
| GW 41 225 TB | Milk white | 250x195x26 | GW40673 | 19 | 16 |
| GW 41 225 TN | Toner black | 250x195x26 | GW40673 | 19 | 16 |
| GW 41 225 VT | Varnished titanium | 250x195x26 | GW40673 | 19 | 16 |
| GW 41 225 VA | Varnished slate | 250x195x26 | GW40673 | 19 | 16 |
| No. of modules EN 50022: 12+1 | | | | | |
| GW 41 229 TB | Milk white | 330x218x25 | GW40674 | 24 | 12 |
| GW 41 229 TN | Toner black | 330x218x25 | GW40674 | 24 | 12 |
| GW 41 229 VT | Varnished titanium | 330x218x25 | GW40674 | 24 | 12 |
| GW 41 229 VA | Varnished slate | 330x218x25 | GW40674 | 24 | 12 |
| No. of modules EN 50022: 24+2 (12x2) | | | | | |
| GW 41 233 TB | Milk white | 330x338x28 | GW40677 | 25 | 5 |
| GW 41 233 TN | Toner black | 330x338x28 | GW40677 | 25 | 5 |
| GW 41 233 VT | Varnished titanium | 330x338x28 | GW40677 | 25 | 5 |
| GW 41 233 VA | Varnished slate | 330x338x28 | GW40677 | 25 | 5 |
| No. of modules EN 50022: 36+3 (12x3) | | | | | |
| GW 41 239 TB | Milk white | 330x493x28 | GW40679 | 42 | 5 |
| GW 41 239 TN | Toner black | 330x493x28 | GW40679 | 42 | 5 |
| GW 41 239 VT | Varnished titanium | 330x493x28 | GW40679 | 42 | 5 |
| GW 41 239 VA | Varnished slate | 330x493x28 | GW40679 | 42 | 5 |

ACCESSORIES SUPPLIED: 6.5M module-covering profiles co-ordinated with the colour of the enclosure front (for 4, 8 and 12-module enclosures - 1 profile; for 24-module enclosures - 2 profiles; for 36-module enclosures - 3 profiles), service labels.

NOTES: dispersible power calculated according to IEC 60670-24.

CHARACTERISTICS: Module-covering profiles can be divided into 1/2 module elements, using scissors. Thermo-pressure with ball equal to 70°C.

IP40 guaranteed even with open door, in the case of wall-embedded installation using devices of at least IP40 and the module-covering profiles supplied.

Front of the enclosure and DIN rail frame fully compatible with the bottom of the previous decorative flush mounting enclosures 40CDi Range.



GW 40 674

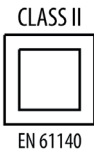
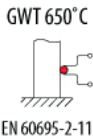
BACK-MOUNTING BOXES FOR DECORATIVE ENCLOSURES DESIGNED TO HOUSE A TERMINAL BLOCK



| Code | No. of modules EN 50022 | Back plate dim. LxHxD (mm) | Pack Carton |
|-----------|----------------------------|-------------------------------|----------------|
| GW 40 671 | 4 | 115x142x85 | 12 |
| GW 40 673 | 8 | 209x174x81 | 16 |
| GW 40 674 | 12 | 293x189x81 | 12 |
| GW 40 677 | 24 | 294x310x80 | 5 |
| GW 40 679 | 36 | 294x461x90 | 5 |

ACCESSORIES SUPPLIED: Mortar guard element in cardboard with clip-fixing on the opening of the back-mounting box - supplied as standard and packed with paper banding.
CHARACTERISTICS: there is an identification code on the back-mounting box, along with the word "up" to aid installation.

40 CDI - CHORUS ENCLOSURES - IP40




UNWIRED CO-ORDINATED ENCLOSURES



GW 40 981 TB

CO-ORDINATED FLUSH-MOUNTING ENCLOSURES WITH AUTOMATICALLY-OPENING SMOKED TRANSPARENT DOOR

|  EN 60754-2 | | | | |
|--|--------------------|--------------------------|--------------------------|----------------|
| Code | Colour | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
| No. of modules EN 50022: 12 | | | | |
| GW 40 981 TB | Milk white | 320x255x80 | 26 | 1/2 |
| GW 40 981 VT | Varnished titanium | 320x255x80 | 26 | 1/2 |
| GW 40 981 VA | Varnished slate | 320x255x80 | 26 | 1/2 |
| No. of modules EN 50022: 24 (12X2) | | | | |
| GW 40 991 TB | Milk white | 320x360x80 | 36 | 1/2 |
| GW 40 991 VT | Varnished titanium | 320x360x80 | 36 | 1/2 |
| GW 40 991 VA | Varnished slate | 320x360x80 | 36 | 1/2 |

CHARACTERISTICS: adhesive labels with a graphic symbol for circuit identification. Module masks. Thermo-pressure with ball equal to 70°C.
NOTES: dispersible power calculated according to IEC 60670-24.

40 CDKI - PROTECTED MODULAR ENCLOSURES AND DISTRIBUTION BOARDS - IP40

INSTALLATION



IK08



IP40



EN 60529

GWT 650°C



EN 60695-2-11

CLASS II




EN 61140

SMOKED TRANSPARENT DOOR



GW 40 602

ENCLOSURES PREDISPOSED FOR TERMINAL BLOCK HOUSING WITH EXTRACTABLE FRAME - WHITE RAL 9016

|  EN 60754-2 | | | | |
|---|----------------------------|--------------------------|--------------------------|----------------|
| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
| GW 40 601 | 2 | 83x160x74 | 12 | 60 |
| GW 40 602 | 4 | 120x160x85 | 18 | 36 |
| GW 40 603 | 6 | 200x170x85 | 19 | 21 |
| GW 40 604 | 8 | 240x195x85 | 20 | 12 |
| GW 40 605 | 12 | 330x270x85 | 36 | 8 |
| GW 40 608 | 18 | 465x310x85 | 50 | 4 |

CHARACTERISTICS: GW40601, provided without the door and with the DIN rail fixed directly on the back plate.
Thermo-pressure with ball equal to 70°C.
Bottoms of 12 and 18 module enclosures can be assembled side-by-side using combined coupling element GW40425.
ACCESSORIES SUPPLIED: module masks, circuit labels.
GW40604, GW40605 and GW40608, self-adhesive labels to be filled out for certification according to standard CEI 23-51.
NOTES: Dispersible power calculated according to CEI 23-49.
INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CDi range.



GW 40 604 BS

ENCLOSURES EQUIPPED WITH 80 A IP20 BIPOLAR SCREW TERMINAL BLOCK AND EXTRACTABLE FRAME - WHITE RAL 9016


| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pole 1 (mm²) | Pole 2 (mm²) | Pack Carton |
|--------------|----------------------------|--------------------------|--------------------------|----------------------|----------------------|----------------|
| GW 40 604 BS | 8 | 240x195x85 | 20 | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | 12 |
| GW 40 605 BS | 12 | 330x270x85 | 36 | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | 8 |
| GW 40 608 BS | 18 | 465x310x85 | 50 | N/E (3x16) + (17x10) | N/E (3x16) + (17x10) | 4 |

CHARACTERISTICS: Thermo-pressure with ball equal to 70°C. Bottoms of 12 and 18 module enclosures can be assembled side-by-side using combined coupling element GW40425.
ACCESSORIES SUPPLIED: module masks, circuit labels. Self-adhesive labels to be filled out for certification according to standard CEI 23-51. Insulated bipolar screw 80A - IP20 terminal blocks to be installed on the frame before wiring.
NOTES: dispersible power calculated according to CEI 23-49.



GW 40 606

DISTRIBUTION BOARDS WITH WINDOWED PANEL AND EXTRACTABLE FRAME
PREDISPOSED FOR TERMINAL BLOCK HOUSING - WHITE RAL 9016

|  EN 60754-2 | | | | |
|---|----------------------------|--------------------------|--------------------------|----------------|
| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
| GW 40 606 | 24 (12x2) | 330x420x85 | 37 | 6 |
| GW 40 609 | 36 (18x2) | 465x505x85 | 52 | 3 |
| GW 40 610 | 54 (18x3) | 465x680x95 | 62 | 2 |
| GW 40 611 | 72 (18x4) | 465x880x95 | 95 | 1 |

ACCESSORIES SUPPLIED: module masks, circuit labels. Self-adhesive label to be filled out for certification according to standard CEI 23-51.
NOTES: Dispersible power calculated according to CEI 23-49.
CHARACTERISTICS: removable and plumbable panels with windows. Thermo-pressure with ball equal to 70°C.
Bottoms of enclosures can be assembled side-by-side using combined coupling element GW40425.
INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "EQUIPPABILITY OF FLUSH-MOUNTING ENCLOSURES WITH TWO-POLE OR ONE-POLE TERMINAL" within the selection guides for the 40CDi range.



GW 40 606 BD

DISTRIBUTION BOARDS WITH WINDOWED AND 80 A IP20 BIPOLAR SCREW TERMINAL BLOCK AND EXTRACTABLE FRAME
WHITE RAL 9016

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pole 1 (mm ²) | Pole 2 (mm ²) | Pack Carton |
|--------------|----------------------------|--------------------------|--------------------------|------------------------------|------------------------------|----------------|
| GW 40 606 BS | 24 (12x2) | 330x420x85 | 37 | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | 6 |
| GW 40 606 BD | 24 (12x2) | 330x420x85 | 37 | N/E 2x[(3x16) + (11x10)] | N/E 2x[(3x16) + (11x10)] | 6 |
| GW 40 609 BS | 36 (18x2) | 465x505x85 | 52 | N/E (3x16) + (17x10) | N/E (3x16) + (17x10) | 3 |
| GW 40 609 BD | 36 (18x2) | 465x505x85 | 52 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 3 |
| GW 40 610 BD | 54 (18x3) | 465x680x95 | 62 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 2 |
| GW 40 610 BT | 54 (18x3) | 465x680x95 | 62 | N/E 3x[(3x16) + (17x10)] | N/E 3x[(3x16) + (17x10)] | 2 |
| GW 40 611 BD | 72 (18x4) | 465x855x95 | 95 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 1 |
| GW 40 611 BQ | 72 (18x4) | 465x880x95 | 95 | N/E 4x[(3x16) + (17x10)] | N/E 4x[(3x16) + (17x10)] | 1 |

ACCESSORIES SUPPLIED: module masks, circuit labels. Self-adhesive label to be filled out for certification according to standard CEI 23-51. Insulated bipolar screw 80A - IP20 terminal blocks to be installed on the frame before wiring.

NOTES: dispersible power calculated according to CEI 23-49.


CHARACTERISTICS: removable and plumbable panels with windows. Thermo-pressure with ball equal to 70°C. Bottoms of enclosures can be assembled side-by-side using combined coupling element GW40425.

BLANK DOOR



GW 40 885

ENCLOSURES PREDISPOSED FOR TERMINAL BLOCK HOUSING AND EXTRACTABLE FRAME - WHITE RAL 9016

|  EN 60754-2 | | | | |
|---|----------------------------|--------------------------|--------------------------|----------------|
| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
| GW 40 882 | 4 | 120x160x85 | 18 | 36 |
| GW 40 883 | 6 | 200x170x85 | 19 | 21 |
| GW 40 884 | 8 | 240x195x85 | 20 | 12 |
| GW 40 885 | 12 | 330x270x85 | 36 | 8 |
| GW 40 888 | 18 | 465x310x85 | 50 | 4 |

ACCESSORIES SUPPLIED: module masks, circuit labels.
GW40884, GW40885 and GW40888, self-adhesive labels to be filled out for certification according to standard CEI 23-51.
NOTES: Dispersible power calculated according to CEI 23-49.
CHARACTERISTICS: Thermo-pressure with ball equal to 70°C.
Bottoms of 12 and 18 module enclosures can be assembled side-by-side using combined coupling element GW40425.
INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CDi range.



GW 40 885 BS

ENCLOSURES EQUIPPED WITH 80 A IP20 BIPOLAR SCREW TERMINAL BLOCK AND EXTRACTABLE FRAME - WHITE RAL 9016


| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pole 1 (mm²) | Pole 2 (mm²) | Pack Carton |
|--------------|----------------------------|--------------------------|--------------------------|----------------------|----------------------|----------------|
| GW 40 884 BS | 8 | 240x195x85 | 20 | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | 12 |
| GW 40 885 BS | 12 | 330x270x85 | 36 | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | 8 |
| GW 40 888 BS | 18 | 465x310x85 | 50 | N/E (3x16) + (17x10) | N/E (3x16) + (17x10) | 4 |

ACCESSORIES SUPPLIED: module masks, circuit labels. Self-adhesive labels to be filled out for certification according to standard CEI 23-51. Insulated bipolar screw 80A - IP20 terminal blocks to be installed on the frame before wiring.
NOTES: dispersible power calculated according to CEI 23-49.
CHARACTERISTICS: thermo-pressure with ball equal to 70°C. Bottoms of 12 and 18 module enclosures can be assembled side-by-side using combined coupling element GW40425.



GW 40 890

DISTRIBUTION BOARDS WINDOWED PANELS AND EXTRACTABLE FRAME
PREDISPOSED FOR HOUSING THE TERMINAL BLOCKS- WHITE RAL 9016

|  EN 60754-2 | | | | |
|---|----------------------------|--------------------------|--------------------------|----------------|
| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
| GW 40 886 | 24 (12X2) | 330x420x85 | 37 | 6 |
| GW 40 889 | 36 (18x2) | 465x505x85 | 52 | 3 |
| GW 40 890 | 54 (18x3) | 465x680x95 | 62 | 2 |
| GW 40 891 | 72 (18x4) | 465x880x95 | 95 | 1 |

ACCESSORIES SUPPLIED: module masks, circuit labels. Self-adhesive label to be filled out for certification according to standard CEI 23-51.
NOTES: Dispersible power calculated according to CEI 23-49.
CHARACTERISTICS: removable and plumbable panels with windows. Thermo-pressure with ball equal to 70°C.
Bottoms of enclosures can be assembled side-by-side using combined coupling element GW40425.
INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CDi range.



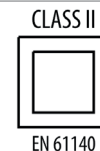
GW 40 890 BT

DISTRIBUTION BOARDS WITH WINDOWED PANELS AND 80 A IP20 BIPOLAR SCREW TERMINAL BLOCK AND EXTRACTABLE
FRAME WHITE RAL 9016

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pole 1 (mm²) | Pole 2 (mm²) | Pack Carton |
|--------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------|
| GW 40 886 BS | 24 (12X2) | 330x420x85 | 37 | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | 6 |
| GW 40 886 BD | 24 (12X2) | 330x420x85 | 37 | N/E 2x[(3x16) + (11x10)] | N/E 2x[(3x16) + (11x10)] | 6 |
| GW 40 889 BS | 36 (18x2) | 465x505x85 | 52 | N/E (3x16) + (17x10) | N/E (3x16) + (17x10) | 3 |
| GW 40 889 BD | 36 (18x2) | 465x505x85 | 52 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 3 |
| GW 40 890 BD | 54 (18x3) | 465x680x95 | 62 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 2 |
| GW 40 890 BT | 54 (18x3) | 465x680x95 | 62 | N/E 3x[(3x16) + (17x10)] | N/E 3x[(3x16) + (17x10)] | 2 |
| GW 40 891 BD | 72 (18x4) | 465x855x95 | 95 | N/E 2x[(3x16) + (17x10)] | N/E 2x[(3x16) + (17x10)] | 1 |
| GW 40 891 BQ | 72 (18x4) | 465x880x95 | 95 | N/E 4x[(3x16) + (17x10)] | N/E 4x[(3x16) + (17x10)] | 1 |

ACCESSORIES SUPPLIED: module masks, circuit labels. Self-adhesive label to be filled out for certification according to standard CEI 23-51. Insulated bipolar screw 80A - IP20 terminal blocks to be installed on the frame before wiring.
NOTES: dispersible power calculated according to CEI 23-49.
CHARACTERISTICS: removable and plumbable panels with windows. Thermo-pressure with ball equal to 70°C. Bottoms of enclosures can be assembled side-by-side using combined coupling element GW40425.

40 CDKI GREEN WALL - ENCLOSURES AND DISTRIBUTION BOARDS FOR LIGHTWEIGHT AND PLASTER-BOARD WALLS - IP40



SMOKED TRANSPARENT DOOR



GW 40 606 PM

MODULAR ENCLOSURES AND DISTRIBUTION BOARDS WITH WINDOWED PANEL AND EXTRACTABLE FRAME PREDISPOSED FOR HOUSING TERMINAL BLOCKS - WHITE RAL 9016 - SMOKED DOOR



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
|--------------|----------------------------|--------------------------|--------------------------|----------------|
| GW 40 605 PM | 12 | 330x270x85 | 36 | 8 |
| GW 40 606 PM | 24 (12x2) | 330x420x85 | 37 | 6 |
| GW 40 609 PM | 36 (18x2) | 465x505x85 | 52 | 3 |
| GW 40 610 PM | 54 (18x3) | 465x680x95 | 62 | 3 |
| GW 40 611 PM | 72 (18x4) | 465x880x95 | 95 | 1 |

CHARACTERISTICS: removable and plumbable panels with windows, with exception of GW40605PM. Back plates equipped with tabs for fixing on a metal structure for lightweight and plaster-board walls. Locators for tracing the wall along the edges of the back plate. Horizontal modularity using the joining element GW40425 for enclosure GW40605PM. Vertical modularity using the joining element GW40425 for boards GW40606PM-GW40609PM-GW40610PM-GW40611PM.

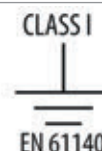
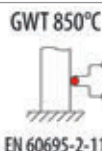
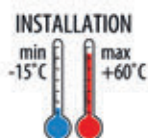
NOTES: Dispersible power calculated according to CEI 23-49. Casing type H in accordance with EN60670-1, and type Ha in accordance with IEC60670-1.

GWT 850°C, according to EN 60695-2-11, relative to the green flush-mounting back-mounting box.

ACCESSORIES SUPPLIED: self-tapping screws kit ø 4x45 mm with spacers for fixing of fronts.

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CDi range.

HOME NETWORK ENCLOSURE FOR NETWORK CABLING



FOR NETWORK CABLING WITH BLANK DOOR



GW 40 390

HOME NETWORK ENCLOSURE WITH BLANK DOOR FOR NETWORK CABLING



| Code | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
|-----------|--------------------------|--------------------------|----------------|
| GW 40 390 | 465x680x95 | 50 | 1 |

CHARACTERISTICS: The product responds to the technical requirements of 164/2014 law as Apartment Signals Distribution Board; An innovative solution validated by Telecom Italia.

APPLICATIONS: the Home Networking enclosure is the central network cabling element, allowing each room to take advantage of advanced telephone and Internet services and multimedia contents. Ideal as first installation in domestic or tertiary scope.

ACCESSORIES SUPPLIED: box bottom, frame with transparent door and support for housing of equipments and cablings distinguished by: 1 multiple electric socket-outlet (with 3 bivalent socket-outlets IT 2P+E 16 A 250 V); 1 multiple telephone socket-outlet with 5 RJ11 socket-outlets; 1 patch panel with 12 RJ45 ports; Kit with 5 telephone cords including RJ45-RJ11 plugs, cat.3, 4xAWG26 cable, L=0.5 m; kit with 4 ethernet cables UTP cat. 6 LSZH, L=0,6 m.

NOTE: Dispersible power calculated according to CEI 23-49.

INSTALLATION: suitable for installation in masonry walls and in lightweight/plasterboard walls.

40 CDi - PROTECTED ENCLOSURES - IP40

INSTALLATION



min -15°C max +60°C

IK08



EN 60529

IP40



EN 60529

GWT 650°C



EN 60695-2-11

CLASS II




EN 61140

BLANK DOOR



GW 40 655

ENCLOSURES PREDISPOSED FOR TERMINAL BLOCK - WHITE RAL 9016



EN 60754-2

| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|--------------------------|--------------------------|----------------|
| GW 40 655 | 8 | 236x195x89 | 19 | 18 |
| GW 40 657 | 12+1 | 326x217x89 | 26 | 8 |
| GW 40 659 | 24+2 (12x2) | 326x346x89 | 36 | 6 |
| GW 40 661 | 36+2 (18x2) | 453x396x95 | 47 | 3 |

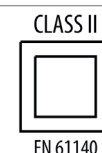
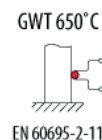
ACCESSORIES SUPPLIED: module masks, circuit labels, spare hinges. Self-adhesive label to be filled out for certification according to standard CEI 23-51.
GW40657, GW40659, GW40661 door equipped with lock, with 2 triangular keys.

NOTES: Dispersible power calculated according to CEI 23-49.

CHARACTERISTICS: Thermo-pressure with ball equal to 70°C.

INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CDi range.

48 PTC - COMBINATION WATERTIGHT ENCLOSURES AND BOARDS - IP55



MODULAR ENCLOSURES WITH SMOKED TRANSPARENT DOOR



GW 48 681

WATERTIGHT FLUSH-MOUNTING MODULAR ENCLOSURES WITH SHOCKPROOF FRONTS - GREY RAL 7035



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Front dim. LxH (mm) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|--------------------------|------------------------|--------------------------|----------------|
| GW 48 681 | 6 | 138x169x70 | 175x210 | 15 | 1/6 |
| GW 48 682 | 12 | 308x169x70 | 345x210 | 25 | 1/4 |

ACCESSORIES SUPPLIED: module masks, user labels, kit of self-tapping stainless steel screws Ø 4x32mm.
mortar guard element in cardboard supplied as standard in the packs and packed with paper banding.

NOTES: dispersible power calculated according to IEC 60670-24.

CHARACTERISTICS: Thermo-pressure with ball equal to 70°C.

pre-arrangement for combined coupling (both horizontal and vertical) via the feedthrough coupling device GW48026.

Mortar guard element assembled by pressing on the base opening.

COMBINATION BOARD WITH SMOKED TRANSPARENT DOOR



GW 48 686

WATERTIGHT FLUSH-MOUNTING COMBINED BOARD FITTED FOR MODULAR DEVICES AND FOR 2 FLANGES 85X75 MM FOR MOUNTING IEC 309 STANDARD SOCKET-OUTLETS - SHOCKPROOF FRONT - GREY RAL 7035



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Front dim. LxH (mm) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|--------------------------|------------------------|--------------------------|----------------|
| GW 48 686 | 4 | 308x169x70 | 345x210 | 19 | 1/4 |

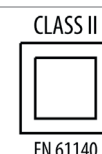
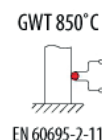
ACCESSORIES SUPPLIED: user labels, kit of self-tapping screws of Ø 4 x 32mm in stainless steel. mortar guard element in cardboard supplied as standard in the packs and packed with paper banding.

NOTES: dispersible power calculated according to IEC 60670-24. Compatible with IEC 309 16A 10° angled receptacle.

CHARACTERISTICS: Thermo-pressure with ball equal to 70°C.

pre-arrangement for combined coupling (both horizontal and vertical) via the feedthrough coupling device GW48026. Mortar guard element assembled by pressing on the base opening.

40 CDI - PROTECTED ENCLOSURES FOR PLASTERBOARD WALLS - IP40



BLANK DOOR AND FRAME IN METAL



GW 40 162

ENCLOSURES FOR PLASTERBOARD WALLS EQUIPPED WITH BIPOLAR TERMINAL BLOCKS - WHITE RAL 9003

| Code | No. of modules EN 50022 | Pole 1 (mm²) | Pole 2 (mm²) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|-------------------------|-------------------------|--------------------------|----------------|
| GW 40 161 | 12+2 | N (1x25)+(3x16)+(14x10) | E (1x25)+(3x16)+(14x10) | 16 | 2 |
| GW 40 162 | 24+4 (12x2) | N (2x25)+(6x16)+(16x10) | E (1x25)+(3x16)+(14x10) | 19 | 2 |
| GW 40 163 | 36+6 (12x3) | N (2x25)+(6x16)+(22x10) | E (1x25)+(5x16)+(22x10) | 24 | 2 |
| GW 40 164 | 48+8 (12x4) | N (2x25)+(6x16)+(22x10) | E (1x25)+(5x16)+(22x10) | 27 | 2 |

CHARACTERISTICS: removable upper part with knockouts for cable entry. Thermo-pressure with ball equal to 70°C.

ACCESSORIES SUPPLIED: terminal block, labels with self-adhesive pictograms for circuit identification, cable fastener busbars and ties, removable upper part with knockouts for cable entry (spare part), certification label.

NOTES: dispersible power calculated according to IEC 60670-24.

COMPLEMENTARY ITEMS

INSTALLATION AND COUPLING



GW 40 467 VT

MODULE COVER PROFILE IN PLASTIC COLOURS CO-ORDINATED WITH 40CDI FLUSH-MOUNTING DECORATIVE ENCLOSURES



| Code | Colour | No. of modules EN 50022 | Pack Carton |
|--------------|-------------|----------------------------|----------------|
| GW 40 467 TB | Milk white | 6.5 | 50 |
| GW 40 467 TN | Toner black | 6.5 | 50 |
| GW 40 467 VT | Titanium | 6.5 | 50 |
| GW 40 467 VA | Slate | 6.5 | 50 |

CHARACTERISTICS: clip fixing on the windows of the front. Can be divided into 1/2 module elements, using scissors.

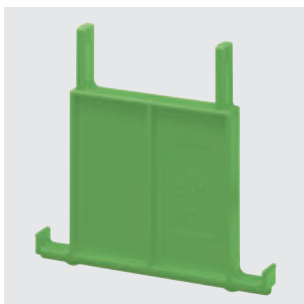


GW 48 645

KIT CONTAINING 4 LONG SELF-THREADING SCREWS WITH SPACERS FOR FIXING LIDS AND FRONTS

| Code | Screw dimension (mm) | Spacer thickness (mm) | Pack Carton |
|-----------|-------------------------|--------------------------|----------------|
| GW 48 645 | Ø 4x45 | Max 10 mm reducible | 1/100 |

CHARACTERISTICS: the kit can be used for the following flush-mounting ranges: CD Chorus, CDi/CDKi (from 6 modules upwards), 48 CM and 42 RV.



GW 40 425

ELEMENT FOR COMBINED COUPLING OF CDKi AND CDi FLUSH-MOUNTING DECORATIVE ENCLOSURES AND DISTRIBUTION BOARDS



| Code | Fixing | Pack Carton |
|-----------|--------|----------------|
| GW 40 425 | Clip | 10 |

APPLICATIONS: for CDKi enclosures and boards from 12 modules upwards. Also suitable for 40 CDi decorative enclosures with 8 and 12 modules and for the Home Networking enclosure.

NOTE: GWT 850° C according to EN 60695-2-11.



GW 40 479

ANTI-DEFORMATION BRACKET FOR WALLING BASE BOXES OF CDKi BOARDS



| Code | For boards EN 50022 rail | Pack Carton |
|-----------|-----------------------------|----------------|
| GW 40 479 | 18 Modules | 5 |

APPLICATIONS: avoid back-mounting box deformations during masonry work.



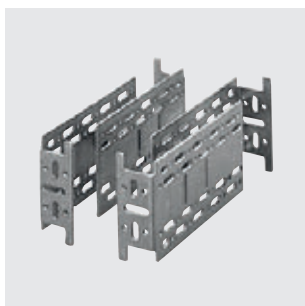
GW 48 026

PTC BOX COUPLING ADAPTOR



| Code | Description | Pack Carton |
|-----------|-------------------|-------------|
| GW 48 026 | Base box coupling | 5/25 |

APPLICATIONS: allows the creation of vertical/horizontal combined compositions and easier cable passage.



GW 70 009

GALVANIZED STEEL EXTENDING BRACKETS FOR REAR FIXING COMPLETE WITH SELF-TAPPING SCREWS - SET OF 4 BRACKETS - 70 RT RANGE

| Code | Adjustment range | Pack Carton |
|-----------|------------------|-------------|
| GW 70 009 | 90 - 160 mm | 1/10 |

APPLICATIONS: when creating upright columns, it allows the creation of an air gap for the passage of conduits between the PTC box and the wall.

WIRING



GW 40 412 B

INSULATED SCREW TERMINAL BLOCK BIPOLAR AND UNIPOLAR FOR ENCLOSURES AND BOARDS

| Code | Pole 1 (mm²) | Pole 2 (mm²) | Fastener to supports | Pack Carton |
|---|----------------------|----------------------|-------------------------|----------------|
| Type: Bipolar - Rated current 125 A | | | | |
| GW 40 401 | N (1x35) + (7x10) | E (1x35) + (7x10) | With screws | 10 |
| GW 40 402 | N (3x35) + (10x10) | E (3x35) + (10x10) | With screws and/or clip | 10 |
| GW 40 404 | N (5x35) + (14x10) | E (5x35) + (14x10) | With screws and/or clip | 10 |
| Type: Bipolar - Rated current 80 A - IP20 | | | | |
| GW 40 408 B | N/E (2x16) + (7x10) | N/E (2x16) + (7x10) | With screws | 1/10 |
| GW 40 412 B | N/E (3x16) + (11x10) | N/E (3x16) + (11x10) | With screws and/or clip | 1/10 |
| GW 40 418 B | N/E (3x16) + (17x10) | N/E (3x16) + (17x10) | With screws and/or clip | 1/10 |
| Type: Unipolar - Rated current 80 A - IP20 | | | | |
| GW 40 408 U | N/E (2x16) + (7x10) | | With screws | 1/10 |
| GW 40 412 U | N/E (3x16) + (11x10) | | With screws and/or clip | 1/10 |
| GW 40 422 U | N/E (3x16) + (29x10) | | With screws and/or clip | 1/10 |
| GW 40 418 U | N/E (3x16) + (17x10) | | With screws and/or clip | 1/10 |

ACCESSORIES SUPPLIED: fixing screws. The 80 A terminal blocks are equipped with N and E labels to be placed on the respective spaces to identify the poles.
CHARACTERISTICS: GWT 960°C according to EN60695-2-11.
INSTALLATION: for the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CDi range.



GW 40 413

ADAPTERS FOR SCREW TERMINAL BLOCKS

| Code | Material | For enclosures | Fastener to supports | Pack Carton |
|-----------|----------|---|----------------------|----------------|
| GW 40 413 | Metal | 12 M (and multiples) and 18 M (and multiples) | With screws | 20 |

ACCESSORIES SUPPLIED: fixing screws.
CHARACTERISTICS: the adapter is pre-drilled for the correct assembly of the terminal block and pre-cut to allow installation also in enclosures with a 12 M modular step.
INSTALLATION: used to expand the number of the possible enclosure-terminal block combinations, refer to the summary "COMPATIBILITY OF FLUSH-MOUNTING ENCLOSURES WITH BIPOLAR AND UNIPOLAR TERMINAL BLOCKS" in the selection guides of 40CDi range.

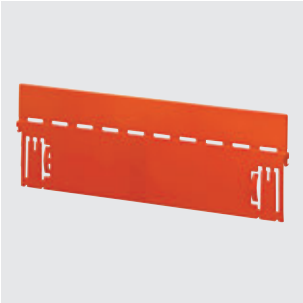


GW 40 451

BIPOLAR TERMINAL BLOCKS WITH SUPPORT FOR ENCLOSURES FOR PLASTERBOARD WALLS


| Code | Pole 1 (mm²) | Pole 2 (mm²) | For enclosures | Pack Carton |
|-----------|-------------------------|-------------------------|----------------|----------------|
| GW 40 451 | N (1x25)+(3x16)+(14x10) | E (1x25)+(3x16)+(14x10) | 12 modules | 20 |
| GW 40 452 | N (2x25)+(6x16)+(16x10) | E (1x25)+(3x16)+(14x10) | 24 modules | 20 |
| GW 40 453 | N (2x25)+(6x16)+(22x10) | E (1x25)+(5x16)+(22x10) | 36-48 modules | 20 |

CHARACTERISTICS: clip fixing.



GW 40 488

INTERNAL HORIZONTAL DIVIDERS FOR CDKI DISTRIBUTION BOARDS

|  EN 60754-2 | | | |
|--|-----------------------------|--------|----------------|
| Code | For boards EN 50022 rail | Fixing | Pack Carton |
| GW 40 487 | 12 Modules | Clip | 10/100 |
| GW 40 488 | 18 Modules | Clip | 10/100 |

NOTES: they permit making internal separation between the circuits having different voltages located on more than one row inside the same shell.



GW 40 495

BLANK COVERING PANELS - 1-MODULE HEIGHT - FOR CDKI BOARDS


| Code | Suitable for | For boards EN 50022 rail | Colour | Pack Carton |
|-----------|------------------------------|--------------------------|----------------|-------------|
| GW 40 495 | Flush mounting distr. boards | 12 Modules | White RAL 9016 | 20 |
| GW 40 496 | Flush mounting distr. boards | 18 Modules | White RAL 9016 | 20 |

CHARACTERISTICS: sealing.



GW 40 461

PAIR OF JOINTS FOR COMBINED COUPLING OF ENCLOSURES FOR CAVITY WALLS

| Code | Fixing | For coupling | Pack Carton |
|-----------|--------|--------------|-------------|
| GW 40 461 | Clip | Vertical | 20 |



GW 40 457

INTERNAL DIVIDERS FOR ENCLOSURES FOR CAVITY WALLS

| Code | Type of divider | For enclosures | Fixing | Pack Carton |
|-----------|-----------------|---------------------|--------|-------------|
| GW 40 456 | Vertical | 12 modules | Clip | 50 |
| GW 40 457 | Vertical | 24 modules | Clip | 50 |
| GW 40 458 | Vertical | 36 modules | Clip | 30 |
| GW 40 459 | Vertical | 48 modules | Clip | 20 |
| GW 40 460 | Horizontal | 12-24-36-48 modules | Clip | 50 |



GW 66 745

WATERTIGHT LIDS FOR COMBINED ENCLOSURE 48 PTC RANGE, OF THE GW48686 TYPE

| Code | Dimensions LxH (mm) | Suitable for | Colour | Pack Carton |
|-----------|---------------------|-----------------------------|---------------|-------------|
| GW 66 708 | 85x75 | 1 Button Ø22 mm Range 74 PS | Grey | 1/20 |
| GW 66 745 | 85x75 | 1 Button Ø22 mm Range 74 PS | Yellow | 1/20 |
| GW 27 401 | 75x85 | | Grey RAL 7035 | 3/60 |

APPLICATIONS: GW66745 specific for emergency push-buttons. Possibility of assembly on Q-DIN boards, PTC junction boxes, flanged lids and panels.

ACCESSORIES SUPPLIED: gasket and mounting screws.

SUNDRIES



GW 40 421

TRIANGULAR SECURITY KEY - FOR 40CDI ENCLOSURES PROTECTED WITH A BLANK DOOR



| Code | Material | Pack Carton |
|-----------|------------|-------------|
| GW 40 421 | Insulation | 10/100 |



GW 40 422

CYLINDER SECURITY LOCK - FOR 40 CDKi AND 40 CDi DECORATIVE ENCLOSURES

| Code | Material | Pack Carton |
|-----------|-------------------------|-------------|
| GW 40 422 | Pressure die-cast metal | 1/10 |

APPLICATIONS: for all the 40 CDKi with door, for the decorative 40 CDi with 24 and 36 modules and for the Home Networking enclosure.

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



GW 40 463

SECURITY LOCK FOR ENCLOSURES FOR CAVITY WALLS

| Code | For enclosures | Material | Pack Carton |
|-----------|--------------------------------|----------|-------------|
| GW 40 463 | 40CD German std flush-mounting | Metal | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



GW 48 644

WATERTIGHT CYLINDRICAL SECURITY LOCK

| Code | For enclosures | Material | Pack Carton |
|-----------|------------------------|-------------------------|-------------|
| GW 48 644 | 48 PTC and 42 RV range | Pressure die-cast metal | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



GW 40 467

PLASTIC MODULE COVER PROFILE



| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-----------|----------------------------|----------------|----------------|
| GW 40 467 | 4,5 | White RAL 9016 | 50 |
| GW 40 423 | 4,5 | Grey RAL 7035 | 50 |
| GW 40 468 | 4,5 | Toner black | 50 |

CHARACTERISTICS: clip fixing.

SERVICE COMPLEMENTARY ITEMS FOR HOME NETWORKING ENCLOSURES



GW 38 097

DATA EXPANSION KIT

| Code | Description | Pack Carton |
|-----------|--|----------------|
| GW 38 097 | N°1 cable with RJ45 ending plugs + RJ45 panel socket | 1/6 |



GW 38 098

TELEPHONE JACK EXPANSION KIT

| Code | Description | Pack Carton |
|-----------|---|----------------|
| GW 38 098 | RJ11 telephone socket and telephone cable | 1 |

ACCESSORIES SUPPLIED: 1 multiple telephone socket-outlet with 5 RJ11 socket-outlets.



GW 38 099

PLASTIC SUPPORTS EXPANSION KIT

| Code | Description | Pack Carton |
|-----------|---|----------------|
| GW 38 099 | DIN rail plastic support for RJ45 sockets | 1/6 |



GW 40 790

BACK MOUNTING BOX FOR FLUSH MOUNTING HOME NETWORKING ENCLOSURE



| Code | Description | Pack Carton |
|-----------|---|----------------|
| GW 40 790 | Empty back-mounting box for Home Networking enclosure GW40390 | 6 |

INSTALLATION: suitable for installation in masonry walls and in lightweight/plasterboard walls.

40 CDi



40 CDi - DECORATIVE ENCLOSURES



The modern, linear and refined design of the 40 CDi decorative enclosures - suitable for housing conventional or domotic systems - combine perfectly with the shapes and colours of the Chorus domestic range, offering optimal design integration in every environment of the residential and commercial sectors.

40 CDi - PROTECTED ENCLOSURES AND BOARDS



The 40 CDi range of enclosures and boards offers 10 different sizes (2-72 modules) and various models, available with a smoked transparent door (particularly suitable for the commercial and industrial sectors) or a blank door (ideal for domotic applications).

ENCLOSURE FOR NETWORK CABLING



The Home Networking Enclosure is the central element of the network cabling allowing every environment of the home to use advanced telephony, Internet and multimedia services. Validated by Telecom Italia and in accordance with Law 164 / 2014.

40 CDi - PROTECTED DECORATIVE ENCLOSURES - IP40

TECHNICAL CHARACTERISTICS

Standard: IEC EN 60670-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*)

Degree of protection: IP40 even with open door

Protection against indirect contact: double insulation - □ (•)

Installation temperature: max. +60°C; min. -15°C

Rated voltage: 400V

Rated insulation voltage: 750V

Rated current: 125A

Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2)

Impact resistance: IK 08

Heat resistance: thermo-pressure with ball 70°C

Resistance to abnormal heat and fire: Glow wire test 650°C

Applications: for brickwork walls

(•) Complete insulation, in accordance with EN 61140 Standard.

Note: IP40 even with open door guaranteed thanks to flush-mounting wall installation, using devices of at least IP40 and the module masks supplied.

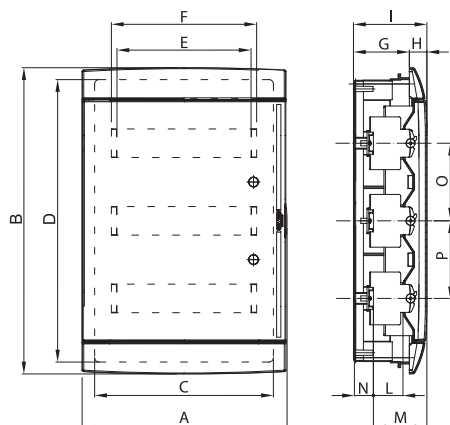
(*) Enclosure type: GP (CEI 23-51) and PD

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------|---------------|--------------------|---------------|--------------------|-----------|---------------|---------------|--------------------|--------------------|--------------------|
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

ENCLOSURES



| | Complete enclosure | Front cover | Overall dimensions | | | | Modular assembly | | | | | | Fixing | | | |
|------|--|--|--------------------|-----|----|-----|------------------|----|----|-----|-----|-----|--------|-----|-----|----|
| Mod. | | | A | B | H | I | L | M | N | O | P | E | F | C | D | G |
| 4M | GW 40 237 TB GW 40 287 TB GW 40 237 TN GW 40 237 VA GW 40 237 VT | GW 41 237 TB GW 41 237 TN GW 41 237 VT GW 41 237 VA | 146 | 165 | 23 | 108 | 50 | 90 | 17 | - | - | 70 | 83 | 115 | 142 | 85 |
| 8M | GW 40 225 TB GW 40 285 TB GW 40 225 TN GW 40 225 VA GW 40 225 VT | GW 41 225 TB GW 41 225 TN GW 41 225 VT GW 41 225 VA | 248 | 195 | 26 | 107 | 50 | 85 | 20 | - | - | 144 | 153 | 209 | 174 | 81 |
| 12M | GW 40 229 TB GW 40 229 TN GW 40 229 VA GW 40 229 VT GW 40 289 TB | GW 41 229 TB GW 41 229 TN GW 41 229 VT GW 41 229 VA | 328 | 218 | 25 | 106 | 47 | 85 | 18 | - | - | 216 | 234 | 293 | 189 | 81 |
| 24M | GW 40 233 TB GW 40 233 TN GW 40 233 VA GW 40 233 VT GW 40 293 TB | GW 41 233 TB GW 41 233 TN GW 41 233 VT GW 41 233 VA | 328 | 338 | 28 | 108 | 49 | 86 | 20 | 125 | - | 216 | 234 | 294 | 310 | 80 |
| 36M | GW 40 239 TB GW 40 239 TN GW 40 239 VA GW 40 239 VT GW 40 299 TB | GW 41 239 TB GW 41 239 TN GW 41 239 VT GW 41 239 VA | 328 | 493 | 28 | 118 | 49 | 86 | 30 | 125 | 125 | 216 | 234 | 294 | 461 | 90 |

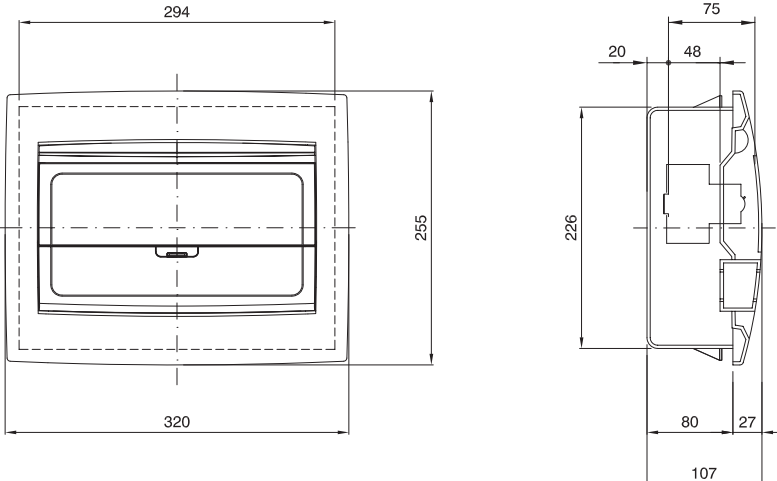
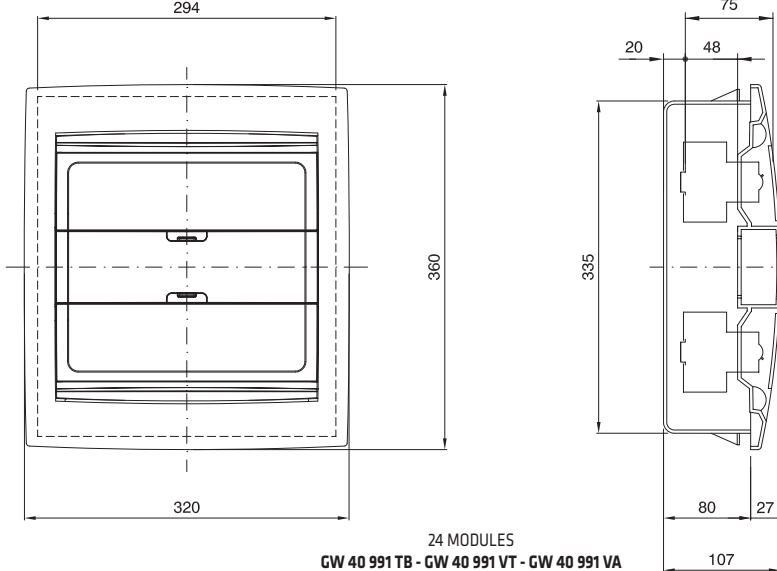
40 CDi - CHORUS ENCLOSURES - IP40

| TECHNICAL CHARACTERISTICS | |
|--|---|
| Standard: IEC EN 606070-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*) | Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) |
| Degree of protection: IP40 | Impact resistance: IK 08 |
| Protection against indirect contact: double insulation - □ (•) | Heat resistance: thermo-pressure with ball 70°C |
| Installation temperature: max. +60°C; min. -15°C | Resistance to abnormal heat and fire: Glow wire test 650°C |
| Rated voltage: 400V | Applications: for brickwork walls |
| Rated insulation voltage: 750V | |
| Rated current: 125A | |

(•) Complete insulation, in accordance with EN 61140 Standard.
(*) Enclosure type: GP (CEI 23-51) and PD

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|-----------|--------------|-----------|-----------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Resistant | Resistant | Resistant | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

| UNWIRED CO-ORDINATED ENCLOSURES | |
|--|--|
|  | 12 MODULES GW 40 981 TB - GW 40 981 VT - GW 40 981 VA |
|  | 24 MODULES GW 40 991 TB - GW 40 991 VT - GW 40 991 VA |

40 CDK_I - MODULAR PROTECTED ENCLOSURES AND DISTRIBUTION BOARDS - IP40

TECHNICAL CHARACTERISTICS

| |
|--|
| Standard: IEC EN 60670-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*) |
| Suitable for assemblies in compliance with IEC EN 61439-1 and IEC EN 61439-3 |
| Degree of protection: IP40 |
| Protection against indirect contact: double insulation - □ (•) |
| Installation temperature: max. +60°C; min. -15°C |
| Rated voltage: 400V |
| Rated insulation voltage: 750V |
| Rated current: 125A |

| |
|---|
| Material: technopolymer GW PLAST. |
| Enclosures predisposed for terminal blocks: halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) |
| Impact resistance: IK 08 |
| Heat resistance: thermo-pressure with ball 70°C |
| Resistance to abnormal heat and fire: Glow wire test 650°C |
| Applications: for brickwork walls |
| Use: indoor |

(•) Complete insulation, in accordance with EN 61140 Standard.

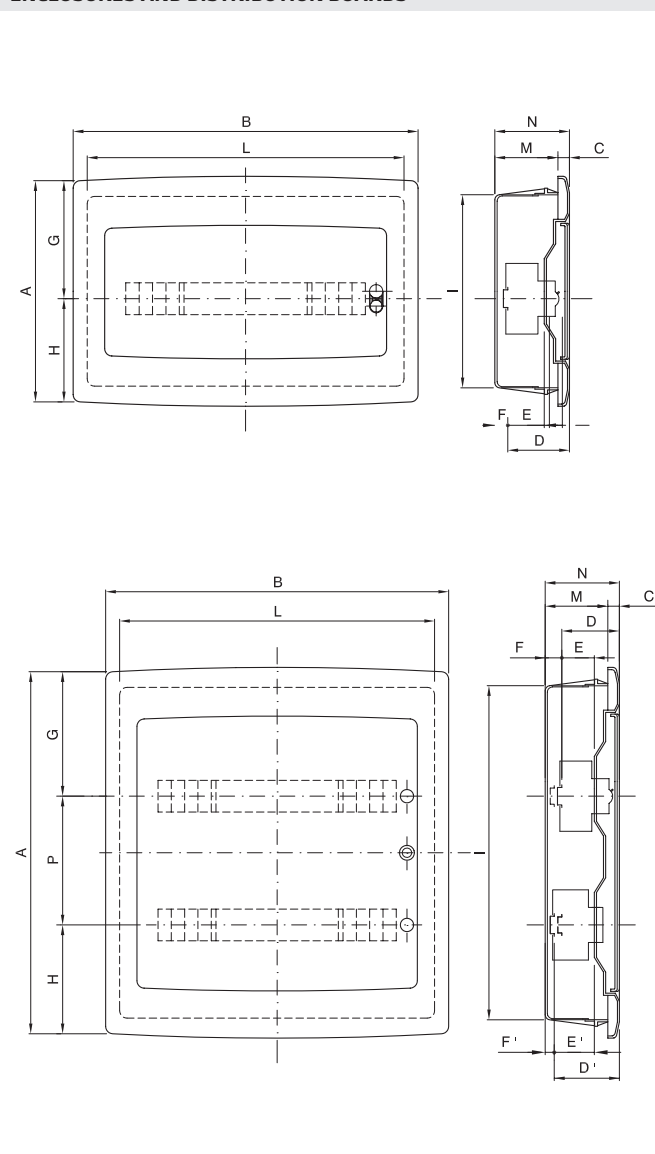
(*) Enclosure type: GP (CEI 23-51) and PD

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------|---------------|--------------------|---------------|--------------------|-----------|---------------|---------------|--------------------|--------------------|--------------------|
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

ENCLOSURES AND DISTRIBUTION BOARDS



| | Code | Overall dimensions | | | | Modular assembly | | | | Fixing | | | |
|-----|-----------|--------------------|-----|----|-----|------------------|----|----|-----|--------|-----|-----|----|
| | | A | B | C | N | D | E | F | G | H | I | L | M |
| 2M | GW 40 601 | 160 | 83 | 8 | 82 | - | 48 | 16 | 80 | 80 | 129 | 55 | 74 |
| 4M | GW 40 602 | 160 | 120 | 12 | 97 | 75 | 48 | 14 | 80 | 80 | 138 | 111 | 85 |
| 6M | GW 40 603 | 170 | 200 | 12 | 97 | 75 | 48 | 14 | 90 | 80 | 138 | 165 | 85 |
| 8M | GW 40 604 | 193 | 240 | 12 | 97 | 75 | 48 | 14 | 105 | 90 | 162 | 200 | 85 |
| 12M | GW 40 605 | 270 | 330 | 16 | 101 | 75 | 48 | 17 | 148 | 122 | 230 | 290 | 85 |
| 18M | GW 40 608 | 310 | 465 | 16 | 101 | 75 | 48 | 17 | 165 | 145 | 260 | 427 | 85 |

| | Code | Overall dimensions | | | | Modular assembly | | | | Fixing | | | |
|-----|--------------|--------------------|-----|----|-----|------------------|----|----|-----|--------|-----|-----|-----|
| | | A | B | C | N | D | E | F | G | H | I | L | M |
| 24M | GW 40 606 | 420 | 330 | 16 | 101 | 75 | 48 | 17 | 148 | 122 | 150 | - | - |
| | GW 40 606 BS | | | | | | | | | | | 380 | 290 |
| | GW 40 606 BD | | | | | | | | | | | | 85 |
| | GW 40 886 | | | | | | | | | | | | |
| | GW 40 886 BS | | | | | | | | | | | | |
| | GW 40 886 BD | | | | | | | | | | | | |
| 36M | GW 40 609 | 505 | 465 | 16 | 101 | 75 | 48 | 17 | 175 | 155 | 175 | - | - |
| | GW 40 609 BS | | | | | | | | | | | 465 | 427 |
| | GW 40 609 BD | | | | | | | | | | | | 85 |
| | GW 40 889 | | | | | | | | | | | | |
| | GW 40 889 BS | | | | | | | | | | | | |
| | GW 40 889 BD | | | | | | | | | | | | |
| 54M | GW 40 610 | 680 | 465 | 25 | 120 | 75 | 48 | 37 | 175 | 155 | 175 | 101 | 74 |
| | GW 40 610 BS | | | | | | | | | | | 11 | 630 |
| | GW 40 610 BT | | | | | | | | | | | | 415 |
| | GW 40 890 | | | | | | | | | | | | 95 |
| | GW 40 890 BS | | | | | | | | | | | | |
| | GW 40 890 BT | | | | | | | | | | | | |
| 72M | GW 40 611 | 880 | 465 | 25 | 120 | 75 | 48 | 37 | 175 | 155 | 175 | 101 | 74 |
| | GW 40 611 BS | | | | | | | | | | | 11 | 805 |
| | GW 40 611 BQ | | | | | | | | | | | | 415 |
| | GW 40 891 | | | | | | | | | | | | 95 |
| | GW 40 891 BS | | | | | | | | | | | | |
| | GW 40 891 BQ | | | | | | | | | | | | |

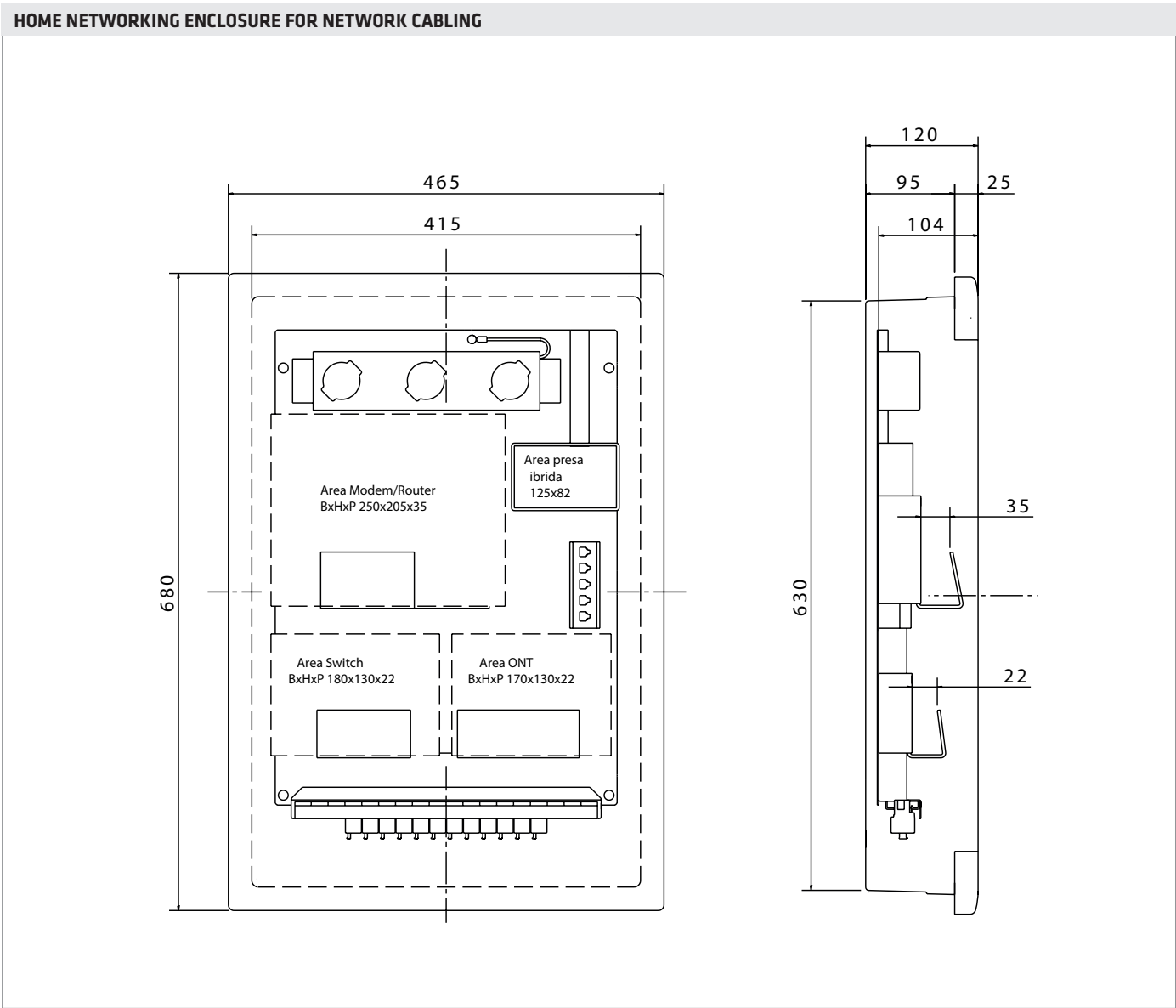
MEDIA ENCLOSURE ITALIAN STD. (TIM APPROVED)

| TECHNICAL CHARACTERISTICS | |
|--|---|
| Standard: ST0AEAD02362 (Telecom Italia technical specification); | Material: Halogen Free technopolymer in accordance with EN 60754-2 (CEI EN 50267-2-2) |
| EN 60670-1 (CEI 23-48); IEC 60670-24;(CEI 23-49) (*); IEC 60884-1; CEI 23-50 | Installation temperature: max. +60°C; min. -15°C |
| Degree of protection: IP40 (door closed) | Heat resistance: thermo-pressure with ball 70°C |
| Impact resistance: IK08 in accordance with EN 62262 ; | Resistance to abnormal heat and fire: Glow wire test 650°C |
| Rated voltage: 250V | Applications: for brickwork walls |
| Maximum dispersible power: 50W | |

(*) Enclosure type: GP (CEI 23-51) and PD

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|---------------|--------------------|-----------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables



40 CDi - PROTECTED ENCLOSURES - IP40

TECHNICAL CHARACTERISTICS

Standard: IEC 60670-1; IEC 60670-24; EN 60670-1; EN 60670-24

Degree of protection: IP40

Protection against indirect contact: double insulation - □ (•)

Installation temperature: max. +60°C; min. -15°C

Rated voltage: 400V

Rated insulation voltage: 750V

Rated current: 125A

Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2)

Impact resistance: IK 08

Heat resistance: thermo-pressure with ball 70°C

Resistance to abnormal heat and fire: Glow wire test 650°C

Applications: for brickwork walls

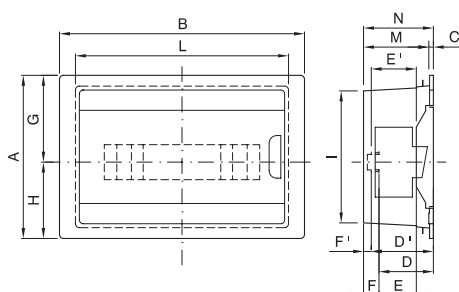
(•) Complete insulation, in accordance with EN 61140 Standard.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

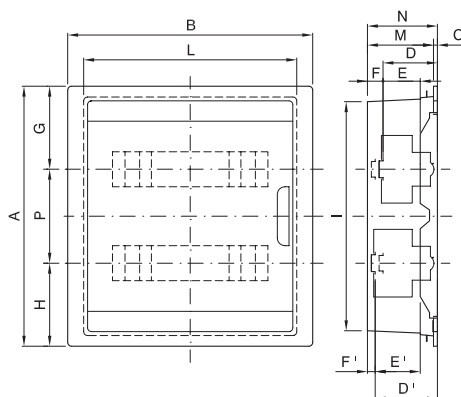
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------|---------------|-----------|---------------|--------------------|-----------|---------------|---------------|--------------------|--------------------|--------------------|
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Resistant | Not resistant | Limited resistance | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

ENCLOSURES




| | Code | Overall dimensions | | | | Modular assembly | | | | | | | | Box overall dimensions | | |
|-----|-----------|--------------------|-----|---|----|------------------|----|----|-------|-------|------|------|-----|------------------------|-------|----|
| | | A | B | C | N | D | E | F | G | H | D' | E' | F' | I | L | M |
| 8M | GW 40 655 | 195 | 236 | 8 | 97 | 73 | 49 | 18 | 104.5 | 90.5 | 81.5 | 57.5 | 9.5 | 162 | 199.5 | 89 |
| 12M | GW 40 657 | 217 | 326 | 8 | 97 | 73 | 49 | 18 | 115.5 | 101.5 | 81.5 | 57.5 | 9.5 | 178 | 283.5 | 89 |









| | Code | Overall dimensions | | | | Modular assembly | | | | | | | | | Box overall dimensions | | |
|-----|-----------|--------------------|-----|----|-----|------------------|----|----|-------|-------|-----|------|------|------|------------------------|-------|----|
| | | A | B | C | N | D | E | F | G | H | P | D' | E' | F' | I | L | M |
| 24M | GW 40 659 | 346 | 326 | 8 | 97 | 73 | 49 | 18 | 110.5 | 110.5 | 125 | 81.5 | 57.5 | 9.5 | 309 | 284.5 | 89 |
| 36M | GW 40 661 | 396 | 453 | 15 | 110 | 73 | 49 | 31 | 123 | 123 | 150 | 81.5 | 57.5 | 22.5 | 349 | 402 | 95 |

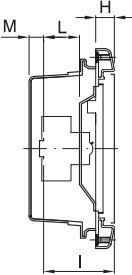
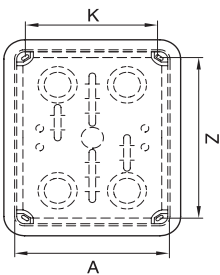
48 PTC - MODULAR WATERTIGHT ENCLOSURES AND BOARDS - IP55

| TECHNICAL CHARACTERISTICS | |
|--|---|
| Standard: IEC EN 606070-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*) | Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) |
| Degree of protection: IP55 | Impact resistance: IK 08 |
| Protection against indirect contact: double insulation -  (*) | Heat resistance: thermo-pressure with ball 70°C |
| Installation temperature: max. +60°C; min. -15°C | Resistance to abnormal heat and fire: Glow wire test 650°C |
| Rated voltage: 400V | Applications: for brickwork walls |
| Rated insulation voltage: 750V | |
| Rated current: 125A | |

(*) Complete insulation, in accordance with EN 61140 Standard.
(*) Enclosure type: GP (CEI 23-51) and PD

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|---|---|--------------------|---|--------------------|---|---|--|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
|  |  | Limited resistance |  | Limited resistance |  |  |  | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

| FLUSH-MOUNTING MODULAR SYSTEM IP55 | | | | | | | | |
|---|-----------|-----|-----|-----|-------|----|----|----|
| <div></div> | | | | | | | | |
| | Code | Box | | | Front | | | |
| | | A | K | Z | H | I | L | M |
| 6M | GW 48 681 | 138 | 120 | 154 | 27.5 | 75 | 47 | 13 |
| 12M | GW 48 682 | 308 | 145 | 154 | 28 | 75 | 47 | 13 |
| 4M | GW 48 686 | 398 | 145 | 154 | 27.5 | 75 | 47 | 13 |

40 CDi - PROTECTED ENCLOSURES FOR PLASTERBOARD WALLS - IP40








| TECHNICAL CHARACTERISTICS | |
|---|--|
| Standard: IEC EN 60670-1 (CEI 23-48); IEC EN 60670-24 (CEI 23-49) (*) | Rated current: 125A |
| Degree of protection: IP40 | Material: door and frame in metal, cover in GW PLAST technopolymer |
| Protection against indirect contact: double insulation - □ (•) | Impact resistance: IK 08 |
| Installation temperature: max. +60°C; min. -15°C | Heat resistance: thermo-pressure with ball 70°C |
| Rated voltage: 400V | Resistance to abnormal heat and fire: Glow wire test 850°C |
| Rated insulation voltage: 750V | Applications: for brickwork walls |




(•) Complete insulation, in accordance with EN 61140 Standard.
 Note: Enclosure type H in accordance to EN60670-1 and type Ha in accordance to IEC60670-1
 (*) Enclosure type: GP (CEI 23-51) and PD

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|--------------------|--------------------|---------------|---------------|-----------|--------------------|---------------|---------------|-------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Limited resistance | Limited resistance | Limited resistance | Not resistant | Not resistant | Resistant | Limited resistance | Not resistant | Resistant | Resistant | Resistant |

Dimension tables

| ENCLOSURES | | | | | | | | | | | | | | |
|------------|-----------|--------------------|-----|-----|------------------|----|----|------|-----|-----|-----|--------|-----|----|
| | | | | | | | | | | | | | | |
| | Code | Overall dimensions | | | Modular assembly | | | | | | | Fixing | | |
| | | A | B | C | N | D | E | F | G | H | P | I | L | M |
| 12M | GW 40 161 | 338 | 335 | 7.5 | 92.5 | 76 | 48 | 16.5 | 188 | 150 | 125 | 303 | 298 | 85 |
| 24M | GW 40 162 | 463 | 335 | 7.5 | 92.5 | 76 | 48 | 16.5 | 188 | 150 | 125 | 428 | 298 | 85 |
| 36M | GW 40 163 | 588 | 335 | 7.5 | 92.5 | 76 | 48 | 16.5 | 188 | 150 | 125 | 553 | 298 | 85 |
| 48M | GW 40 164 | 713 | 335 | 7.5 | 92.5 | 76 | 48 | 16.5 | 188 | 150 | 125 | 678 | 298 | 85 |

| 48 PT / PT DIN and 48 PTC: cardboard mortar guard element supplied | | | ACCESSORIES APPLICATION TABLE | | | | | |
|---|-----------|---|-------------------------------|-------------------|--------------------------|--|-------------------|-------------------|
| | | | Dimensions (mm) | Protective shield | No. of internal dividers | Coupling element | spare lids | |
| RANGE | Code | | | | | | Plain | Deep |
| 48 PT / PT DIN | GW 48 001 |  | 92x92x45 | - | - | - | IP40 GW 48 013 | - |
| | GW 48 002 | | 118x96x50 | - | - | - | IP40 GW 48 014 | - |
| | GW 48 003 | | 118x96x70 | - | - | 2 x GW 48 051 | IP40 GW 48 014 | - |
| | GW 48 004 | | 152x98x70 | - | - | 2 x GW 48 051 | IP40 GW 48 015 | IP40 GW 48 084 |
| | GW 48 005 | | 160x130x70 | - | - | 2 x GW 48 051 | IP40 GW 48 016 | IP40 GW 48 085 |
| | GW 48 006 |  | 196x152x70 | 1 X GW 48 006 P | 1 x GW 48 012 | 2 x GW 48 051 | IP40 GW 48 017 | IP40 GW 48 086 |
| | GW 48 007 | | 294x152x70 | 1 X GW 48 007 P | 2 x GW 48 012 | 2 x GW 48 051 | IP40 GW 48 018 | IP40 GW 48 087 |
| | GW 48 008 | | 392x152x70 | 1 X GW 48 008 P | 3 x GW 48 012 | 2 x GW 48 051 | IP40 GW 48 019 | IP40 GW 48 088 |
| | GW 48 009 | | 480x160x70 | 1 X GW 48 009 P | 2 x GW 48 012 | 2 x GW 48 051 | IP40 GW 48 020 | - |
| | GW 48 010 | | 516x202x80 | 1 x GW 48 010 P | 2 x GW 48 012 | 2 x GW 48 051 | IP40 GW 48 021 | - |
| | GW 48 011 | | 516x294x80 | 1 x GW 48 011 P | 5 supplied | 2 x GW 48 051 | IP40 GW 48 022 | - |
| 48 CM | GW 48 207 |  | 260x260x121 | - | 1 supplied | 2 supplied | IP44 GW 48 247 | IP44 GW 48 267 |
| | GW 48 211 | | 520x260x121 | - | 4 supplied | 2 supplied | IP44 GW 48 251 | IP44 GW 48 271 |
| | GW 48 227 |  | 260x260x121 | - | 2 supplied | 2 supplied | IP44 GW 48 247 | IP44 GW 48 267 |
| | GW 48 231 | | 520x260x121 | - | 5 supplied | 2 supplied | IP44 GW 48 251 | IP44 GW 48 271 |
| 48 PTC - IP 40 | GW 48 661 |  | 138x169x70 | - | - | In-line coupling connector GW 48 026  | GW 48 611 | - |
| | GW 48 662 | | 308x169x70 | - | 1 x GW 48 024 | | GW 48 612 | - |
| | GW 48 663 | | 398x169x70 | - | 2 x GW 48 024 | | GW 48 613 | - |
| 48 PTC - IP 55 | GW 48 671 |  | 138x169x70 | - | - | | GW 48 621 | - |
| | GW 48 691 | | 308x169x70 | - | 1 x GW 48 024 | | GW 48 651 | - |
| | GW 48 672 | | 308x169x70 | - | 1 x GW 48 024 | | GW 48 622 | - |
| | GW 48 673 | | 398x169x70 | - | 2 x GW 48 024 | | GW 48 623 | - |

| ACCESSORIES APPLICATION TABLE | | | | | | | | | | |
|---|------------------------|------------------------|---|-----------|-----------|---|-----------|------------------------|-----------|-----------|
| Terminal blocks | | | | | | | | | | |
| Multi-pole feedthrough | | | Single-pole equipotential | | | | | | | |
| GW 44 609 GW 44 610 GW 44 610 C | GW 44 611 GW 44 612 | GW 44 613 GW 44 614 | GW 44 704 | GW 44 706 | GW 44 708 | GW 44 671 | GW 44 672 | GW 44 673 GW 44 674 | GW 44 675 | GW 44 676 |
|  | | |  | | |  | | | | |
| • | - | - | • | • | • | • | • | - | - | - |
| • | • | - | • | • | • | • | • | • | - | - |
| • | • | • | • | • | • | • | • | • | - | - |
| • | • | • | • | • | • | • | • | • | - | - |
| • | • | • | • | • | • | • | • | • | • | - |
| • | • | • | • | • | • | • | • | • | - | - |
| • | • | • | • | • | • | • | • | • | - | - |
| • | • | • | • | • | • | • | • | • | - | - |
| • | • | • | • | • | • | • | • | • | - | - |
| • | • | • | • | • | • | • | • | • | • | - |
| • | • | • | • | • | • | • | • | • | • | - |
| • | • | - | • | • | • | • | • | • | - | - |
| • | • | - | • | • | • | • | • | • | - | - |
| • | • | - | • | • | • | • | • | • | - | - |
| • | • | • | • | • | • | • | • | • | • | - |
| • | • | • | • | • | • | • | • | • | • | • |
| • | • | • | • | • | • | • | • | • | • | - |
| • | • | • | • | • | • | • | • | • | • | - |
| • | • | • | • | • | • | • | • | • | • | - |
| • | • | • | • | • | • | • | • | • | • | - |

Compatibility between GEWISS domotic devices and 48 PT DIN range boxes

The PT DIN boxes for domotics establish a new market standard in the world of domotic Home & Building Automation systems, as they allow you to distribute the domotic devices in the key points of the building; this widens the advantages of domotics, producing innovative solutions while optimising resources and reducing wiring.

The following table shows all the possible combinations - in terms of dimensions and dispersible power - of individual Gewiss domotic devices and individual PT DIN compartment.

To identify the best technical solution that takes into account dimensions and the dissipated power of the domotic modules and, consequently, to identify the best PT DIN for the chosen application devices the GW BUS software has been developed, to simplify the professional's work, quickly guiding him to design a domotic system with Gewiss material; at the end of the study, the relative certification is also issued.

| GEWISS DOMOTIC DEVICES | | 48 PT DIN BOXES | | | | | |
|-------------------------------------|--------------------------------|---|-----------|-----------|-----------|-----------|-----------|
| | | Code | GW 48 006 | GW 48 007 | GW 48 008 | GW 48 009 | GW 48 010 |
| | | Compartments | 2 | 3 | 4 | 3 | 3 |
| | | No. of EN 50022 modules per compartment | 4,5 | 5 | 5 | 8 | 9 |
| KNX DEVICES FROM DIN RAIL | KNX line/field couplers | No. mod. EN 50022 | 11 | 13 | 17 | 25 | 29 |
| | | MAX pde (W)* | 30 | | | | |
| | KNX power supplies | 2 | • | • | • | • | • |
| | KNX motor control actuators | 4 | • | • | • | • | • |
| | | 8 | | | | • | |
| | KNX dimmer | 2,5 | | | | • | • |
| | | 4 | • | • | • | • | • |
| | | 6 | | | | • | |
| | KNX general actuators | 4 | • | • | • | • | • |
| | | 8 | | | | • | |
| | DALI/KNX, DMX/KNX Gateway | 6 | | | | • | • |
| | KNX input modules | 4 | • | • | • | • | • |
| | Combined devices | 4 | • | • | • | • | • |
| | KNX BUS interfaces | 1 and 2 | • | • | • | • | • |
| | KNX GSM remote controls | 6 | | | | | • |
| | KNX logic units | 2,5 | | | | • | • |
| DOMOTIC DEVICES FOR DOMESTIC RANGES | Power supplies | 1,5 | • | • | • | • | • |
| | KNX domestic range actuators | 3 | • | • | • | • | • |
| | Relay | 1,5 and 3 | • | • | • | • | • |
| CITY VISION | Power supply | 3 | • | • | • | • | • |
| | Power supply | 4 | • | • | • | • | • |
| | Power supplies | 8 | | | | • | • |
| | Video selector/Intercom module | 6 | | | | • | • |
| | Auxiliary actuators | 4 | • | • | • | • | • |

GW BUS software for domotic projects

- Identification of the most suitable PT DIN
- Dispersible power check
- Issuing of relative certification

For further information, go to www.gewiss.com
or contact GEWISS Customer Service +39 035 94 61 11

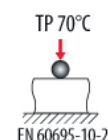
Flush-mounting junction and modular range boxes

The system comprises three ranges: 48 PT / PT DIN range with integrated DIN rail on the back plate, in conformity with the CEI 23-48, ideal for the pre-arrangement and hosting of domotic modules; 48 CM range - High capacity connection and junction boxes, ideal for uprights 48 PTC range - modular, IP55 watertight, for junctions, command and distribution - ideal for indoor applications subject to sudden splashes of water. Entirely in halogen-free technopolymer.



Technical characteristics page 1401

48 PT / PT DIN - JUNCTION, CONNECTION AND DOMOTIC BOXES - IP40



FOR BRICK WALLS



GW 48 004

48 PT - JUNCTION AND CONNECTION BOXES FOR SIDE-BY-SIDE ASSEMBLY - WHITE LID RAL 9016



| Code | Outer dim. LxHxD (mm) | Compartment pre-arrangement | Pack Carton |
|-----------|--------------------------|--------------------------------|----------------|
| GW 48 001 | 92x92x45 | 1 | 162 |
| GW 48 002 | 118x96x50 | 1 | 114 |
| GW 48 003 | 118x96x70 | 1 | 84 |
| GW 48 004 | 152x98x70 | 1 | 64 |
| GW 48 005 | 160x130x70 | 1 | 49 |

CHARACTERISTICS: surface embossing of the lids to facilitate painting.

External knurling of the base to improve mortar adherence.

Pre-arrangement for combined coupling (both horizontal and vertical) via the joining element GW48051.

Lid protected with heat-shrinking film that also contains the bag of fixing screws.

Mortar guard element assembled by pressing on the base opening.

ACCESSORIES SUPPLIED: ø3x25 mm screw kit for lid fixing, mortar guard element in cardboard supplied as standard in the packs and packed with paper banding.

NOTES: for the inputs, remove the knockouts after cutting the relative tangs with scissors.



GW 48 006

48 PT DIN - JUNCTION AND CONNECTION BOXES FOR SIDE-BY-SIDE ASSEMBLY WITH DIN RAIL INTEGRATED ON THE BACK-MOUNTING BOX COLOUR: WHITE LID RAL 9016



| Code | Outer dim. LxHxD (mm) | Compartment pre-arrangement | No. EN 50022 mod. per comp. | Domotic equipment coupling | Dispersible max power (W) | No. supports GW44720 | Pack Carton |
|-----------|--------------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|-------------------------|----------------|
| GW 48 006 | 196x152x75 | 2 | 4.5 | DIN rail | 11 | 2 | 34 |
| GW 48 007 | 294x152x75 | 3 | 5 | DIN rail | 13 | 3 | 22 |
| GW 48 008 | 392x152x75 | 4 | 5 | DIN rail | 17 | 4 | 17 |
| GW 48 009 | 480x160x75 | 3 | 8 | DIN rail | 25 | 5 | 17 |
| GW 48 010 | 516x202x90 | 3 | 9 | DIN rail | 29 | 5 | 9 |
| GW 48 011 | 516x294x90 | 6 | 4 | DIN rail | 30 | 5 | 5 |

APPLICATIONS: boxes with a built-in DIN rail on the back-mounting box, in accordance with regulations that require to fix by DIN rail the devices that disperse a certain amount of power inside the junction boxes (calculated in compliance with CEI 23-49). Ideal for relocation of domotic equipment as actuators, power supplies, etc...

CHARACTERISTICS: surface embossing of the covers to facilitate painting. External knurling of the base to improve mortar adherence. Pre-arrangement for combined coupling (both horizontal and vertical) via the joining element GW48051. Lid protected with heat-shrinking film that also contains the bag of fixing screws. Mortar guard element assembled by pressing on the base opening.

ACCESSORIES SUPPLIED: Junction box GW48011 supplied with 5 internal separators. ø 3x25mm screw kit for lid fixing. Mortar guard element in cardboard supplied as standard in the packs and packed with paper banding.

NOTES: for the inputs, remove the knockouts after cutting the relative tangs with scissors.

COMPLEMENTARY ITEMS FOR 48 PT / PT DIN E 48 PT DIN GREEN WALL

COMPLEMENTARY ITEMS



GW 48 007 P

PROTECTIVE SHIELD FOR JUNCTION, CONNECTION AND DOMOTICS BOXES



| Code | For boxes PT DIN | For PT DIN GREEN WALL boxes | Pack Carton |
|-------------|---------------------|--------------------------------|----------------|
| GW 48 006 P | GW48006 | GW48006PM and GW48126PM | 70 |
| GW 48 007 P | GW48007 | GW48007PM | 60 |
| GW 48 008 P | GW48008 | GW48008PM | 50 |
| GW 48 009 P | GW48009 | GW48009PM | 40 |
| GW 48 010 P | GW48010 | | 30 |
| GW 48 011 P | GW48011 | | 25 |

CHARACTERISTICS: in technopolymer. Total protection during brick wall work, painting and finishing operations. Applying the protective shield beneath the lid, the dispersible power of the box is reduced by 2 W for GW48006, GW48007, GW48008, GW48010, GW48011, GW48006PM, GW48007PM, GW48008PM boxes and by 3W GW48009 and GW48009PM boxes.

NOTES: clip fixing to speed up assembly and removal operations. Reusable.



GW 48 051

JOINING ELEMENT FOR PT / PT DIN AND PT DIN GREEN WALL BOXES



| Code | For PT / PT DIN boxes | For PT DIN GREEN WALL boxes | Pack Carton |
|-----------|--------------------------|--------------------------------|----------------|
| GW 48 051 | GW48003 - GW48011 | GW48006PM - GW48009PM | 10 |

NOTES: the use of the joining element makes it possible to create horizontal and/or vertical sets of boxes PT/PT DIN. For PT DIN GREEN WALL boxes, GW40425 element permits horizontal paths. GW48051 also for the box with transparent lid GW48126PM. GWT 850 °C according to EN 60695-2-11.



GW 48 012

INTERNAL SEPARATOR FOR PT DIN AND PT DIN GREEN WALL BOXES



| Code | For boxes PT DIN | For PT DIN GREEN WALL boxes | Pack Carton |
|-----------|---------------------|--------------------------------|----------------|
| GW 48 012 | GW48006 - GW48011 | GW48006PM - GW48009PM | 50/300 |



GW 48 018

HIGH RESISTANCE SHOCKPROOF PLAIN LIDS FOR PT / PT DIN AND PT DIN GREEN WALL BOXES WHITE RAL 9016 - IP40



| Code | Suitable for | Shock resistance | Pack Carton |
|-----------|-----------------------|---------------------|----------------|
| GW 48 013 | GW48001 | IK10 | 10/120 |
| GW 48 014 | GW48002 - GW48003 | IK10 | 10/100 |
| GW 48 015 | GW48004 | IK10 | 10/100 |
| GW 48 016 | GW48005 | IK10 | 10/100 |
| GW 48 017 | GW48006 and GW48006PM | IK10 | 10/100 |
| GW 48 018 | GW48007 and GW48007PM | IK10 | 10/80 |
| GW 48 019 | GW48008 and GW48008PM | IK10 | 10/40 |
| GW 48 020 | GW48009 and GW48009PM | IK10 | 10/40 |
| GW 48 021 | GW48010 | IK10 | 10/30 |
| GW 48 022 | GW48011 | IK10 | 10/20 |

CHARACTERISTICS: surface embossing of the covers to facilitate painting. GWT 850 °C according to EN 60695-2-11.



GW 48 084

DEEP LIDS FOR PT / PT DIN AND PT DIN GREEN WALL BOXES - WHITE RAL 9016 - IP40



| Code | Suitable for | Pack Carton |
|------------------|-----------------------|-------------|
| GW 48 084 | GW48004 | 1/10 |
| GW 48 085 | GW48005 | 1/8 |
| GW 48 086 | GW48006 and GW48006PM | 1/10 |
| GW 48 087 | GW48007 and GW48007PM | 1/5 |
| GW 48 088 | GW48008 and GW48008PM | 1/5 |

CHARACTERISTICS: the deep lids are ideal for passing from an exposed system to a chased one. They have a removable front plate and a frame for connecting with trunking.
GWT 850 °C secondo EN 60695-2-11; max lid H = 66mm for boxes up to 392x152 and conduits with max Ø = 32mm.

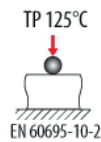
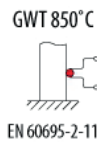


GW 48 023

LONG SELF-TAPPING SCREWS FOR SECURING COVER

| Code | Dimensions (mm) | Suitable for | Pack Carton |
|------------------|-----------------|---|-------------|
| GW 48 023 | Ø3x38 | Junction boxes range 48 PT / PT DIN and PT DIN GREEN WALL | 300/4200 |

44 ME - UNIPOLAR EQUIPOTENTIAL TERMINAL BLOCKS



TERMINAL BLOCKS FOR SIDE-BY-SIDE ASSEMBLY



GW 44 706

TERMINAL BLOCKS WITH INDIRECT PLATE TIGHTENING - 450V - T 85°C - TRANSPARENT

| Code | Connecting capacity | Pack Carton |
|-----------|----------------------------|-------------|
| GW 44 704 | 4 ways x 6 mm ² | 10/100 |
| GW 44 706 | 6 ways x 6 mm ² | 10/100 |
| GW 44 708 | 8 ways x 6 mm ² | 10/100 |

APPLICATIONS: embedded fixing on the GW44720 support, for coupling with the DIN rail.
NOTES: for the connection capacity, refer to the technical catalogue

ACCESSORIES FOR TERMINAL BLOCKS FOR SIDE-BY-SIDE ASSEMBLY



GW 44 720

SUPPORT FOR FIXING SIDE-BY-SIDE TERMINAL BLOCKS ON DIN RAIL

| Code | For equipotential terminal blocks | Terminal block fixing | Fixing on DIN rail | Pack Carton |
|-----------|-----------------------------------|-----------------------|--------------------|-------------|
| GW 44 720 | GW44704, GW44706, GW44708 | Clip | Lock-joint | 1/50 |

NOTES: ideal for applications on boxes of the 48 PT DIN range.
CHARACTERISTICS: supports a combination of terminal blocks with maximum 12-way capacity.
Possible combinations: 3xGW44704; 2xGW44706; 1xGW44704 + 1xGW44706; 1xGW44704 + 1xGW44708; Modular overall dimensions (width): 4.5 modules EN 50022.

MODULAR TERMINAL BLOCKS



GW 44 671

TERMINAL BLOCKS WITH INDIRECT SCREW TIGHTENING - 450V - T 85°C - TRANSPARENT

| Code | Connecting capacity | Pack Carton |
|-----------|---|-------------|
| GW 44 671 | 3 ways x 6 mm ² | 10/100 |
| GW 44 672 | 5 ways x 6 mm ² | 10/100 |
| GW 44 673 | 4 ways x 16 mm ² | 10/50 |
| GW 44 674 | 2 ways x 16mm ² + 3 ways x 6 mm ² | 10/50 |
| GW 44 675 | 2 ways x 16mm ² + 9 ways x 6 mm ² | 5/25 |
| GW 44 676 | 2 ways x 35 mm ² + 4 ways x 16 mm ² | 1/10 |

APPLICATIONS: especially suitable for creating equipotential nodes.
ACCESSORIES SUPPLIED: self-adhesive label for identification of electrical lines.
NOTES: GW44676 equipped with feedthrough terminals. These allow the creation of cut-outs from the main cables which, unsheathed in the part concerned, are not interrupted.

ACCESSORIES FOR MODULAR TERMINAL BLOCKS



GW 44 681

SUPPORT FOR FIXING MODULAR TERMINAL BLOCKS ON DIN RAIL

| Code | For equipotential terminal blocks | Terminal block fixing | Pack Carton |
|------------------|-----------------------------------|-----------------------|-------------|
| GW 44 681 | From GW44671 to GW44676 | Clip | 100 |



GW 44 682

ADAPTER FOR FIXING MODULAR TERMINAL BLOCKS

| Code | For equipotential terminal blocks | Terminal block fixing | Pack Carton |
|------------------|-----------------------------------|-----------------------|-------------|
| GW 44 682 | From GW44671 to GW44676 | Lock-joint | 200 |

APPLICATIONS: for fixing the equipotential terminal blocks on the plates or directly on the base inside the junction boxes and watertight boxes.

ACCESSORIES SUPPLIED: screws for fixing the adapter.

48 CM - LARGE CAPACITY CONNECTION AND JUNCTION BOXES - IP40

INSTALLATION



min -15°C max +60°C

IK07



IP40



EN 60529

GWT 650°C



EN 60695-2-11

TP 70°C




EN 60695-10-2

PLAIN LID



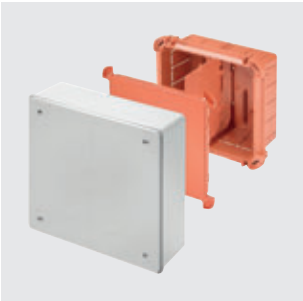
GW 48 207

JUNCTION AND CONNECTION BOXES FOR SIDE-BY-SIDE ASSEMBLY, FOR UPRIGHTS - PLAIN PLUMBABLE LID
WHITE RAL 9016

|  EN 50022-2-2 | | | | |
|--|--------------------------|--------------------------------|------------------------------|----------------|
| Code | Outer dim. LxHxD (mm) | Compartment pre-arrangement | Dispersible max power (W) | Pack Carton |
| GW 48 207 | 260x260x121 | 2 | 13 | 8 |
| GW 48 211 | 520x260x121 | 5 | 30 | 6 |


ACCESSORIES SUPPLIED: internal dividers, joint elements for combined assembly, self-adhesive symbol labels for circuit identification, and sealing screws.
Mortar-proof paint protection shield in technopolymer with additional electro-acoustic insulation function, with central handles making it easier to pull it out.
NOTES: applying the protective shield beneath the lid, the dispersible power of the box is reduced by 2W for GW48207 and by 3W for the GW48211 box.
dispersible power calculated according to IEC 60670-24.

DEEP LID



GW 48 227

JUNCTION AND CONNECTION BOXES FOR SIDE-BY-SIDE ASSEMBLY, FOR UPRIGHTS - DEEP PLUMBABLE LID
GREY RAL 7035

|  EN 50022-2-2 | | | | |
|--|--------------------------|--------------------------------|------------------------------|----------------|
| Code | Outer dim. LxHxD (mm) | Compartment pre-arrangement | Dispersible max power (W) | Pack Carton |
| GW 48 227 | 260x260x121 | 2 | 13 | 4 |
| GW 48 231 | 520x260x121 | 5 | 30 | 4 |

CHARACTERISTICS: the lid has a removable front plate and a frame for the connection with the trunking (max height = 66mm) and conduits (max Ø = 40mm).
The frame is fitted for fixing the DIN rails (not supplied).
Pre-arrangement EN 50022: GW48227 horizontal - 24 modules (2x12), vertical - 24 modules (2x12); GW48231: horizontal - 78 modules (26x3), vertical - 36 modules (12x3).
ACCESSORIES SUPPLIED: internal dividers, joint elements for combined assembly, self-adhesive symbol labels for circuit identification, and sealing screws.
Mortar-proof paint protection shield in technopolymer with additional electro-acoustic insulation function, with central handles making it easier to pull it out.
NOTES: applying the protective shield beneath the lid, the dispersible power of the box is reduced by 2W for GW48227 and by 3W for the GW48231 box.
dispersible power calculated according to IEC 60670-24.


COMPLEMENTARY ITEMS FOR 48 CM AND 48 CM GREEN WALL

COMPLEMENTARY ITEMS



GW 48 251

SHOCKPROOF SEALABLE PLAIN LIDS FOR BOXES FOR UPRIGHTS - WHITE RAL 9016 - IP44


|  EN 50267-2-2 | | | |
|---|------------------------|---------------------|----------------|
| Code | Front dim. LxH (mm) | Shock resistance | Pack Carton |
| GW 48 247 | 260x260 | IK10 | 1/15 |
| GW 48 251 | 520x260 | IK10 | 1/10 |

ACCESSORIES SUPPLIED: self-adhesive symbol labels for circuit identification, and plumbable screws.



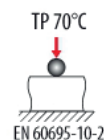
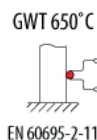
GW 48 271

SHOCKPROOF SEALABLE DEEP LIDS FOR BOXES FOR UPRIGHTS - GREY RAL 7035 - IP44

|  EN 50267-2-2 | | | |
|---|-------------------------|---------------------|----------------|
| Code | For boxes dimensions | Shock resistance | Pack Carton |
| GW 48 267 | 260x260 | IK10 | 1/10 |
| GW 48 271 | 520x260 | IK10 | 1/5 |

CHARACTERISTICS: the lid has a removable front plate and a frame for connection with trunking (max h = 65mm) and conduits (max Ø = 40mm).
The frame is fitted for fixing the DIN rails (not supplied).
Pre-arrangement EN 50022: GW48267 horizontal 24 modules (2x12), vertical 24 modules (2x12); GW48271 horizontal 78 modules (26x3), vertical 36 modules (12x3)
ACCESSORIES SUPPLIED: self-adhesive symbol labels for circuit identification, and plumbable screws.

48 PTC - MODULAR JUNCTIONS, CONTROL AND DISTRIBUTION BOXES



BOXES WITH LID - IP40



GW 48 661

MODULAR, PROTECTED, FLUSH-MOUNTING JUNCTION AND CONNECTION BOXES SHOCKPROOF LID - WHITE RAL 9016



| Code | Outer dim. LxHxD (mm) | Compartment pre-arrangement | Pack Carton |
|-----------|--------------------------|--------------------------------|----------------|
| GW 48 661 | 138x169x70 | 1 | 1/28 |
| GW 48 662 | 308x169x70 | 2 | 1/14 |
| GW 48 663 | 398x169x70 | 3 | 1/9 |

ACCESSORIES SUPPLIED: self-adhesive symbol discs for the identification of circuits, kit of Ø 4x32mm stainless steel self-tapping screws, hinge for constrained lid opening.

GW48662 Ready to house the DIN rail; space available: 14 modules.

Mortar guard element in cardboard supplied as standard in the packs and packed with paper banding.

CHARACTERISTICS: pre-arrangement for combined coupling (both horizontal and vertical) via the feedthrough coupling device GW48026.

Mortar guard element assembled by pressing on the base opening.

NOTES: for the inputs, remove the knockouts after cutting the relative tangs with scissors.

BOXES WITH LID - IP55



GW 48 671

MODULAR, WATERTIGHT, FLUSH-MOUNTING JUNCTION AND CONNECTION BOXES SHOCKPROOF LID - GREY RAL 7035



| Code | Outer dim. LxHxD (mm) | Compartment pre-arrangement | Pack Carton |
|-----------|--------------------------|--------------------------------|----------------|
| GW 48 671 | 138x169x70 | 1 | 1/28 |
| GW 48 672 | 308x169x70 | 2 | 1/14 |
| GW 48 673 | 398x169x70 | 3 | 1/9 |

ACCESSORIES SUPPLIED: self-adhesive symbol discs for the identification of circuits, kit of Ø 4x32mm stainless steel self-tapping screws, hinge for constrained lid opening.

GW48672 pre-arranged to house a DIN rail. Space available: 14 modules.

Mortar guard element in cardboard supplied as standard in the packs and packed with paper banding.

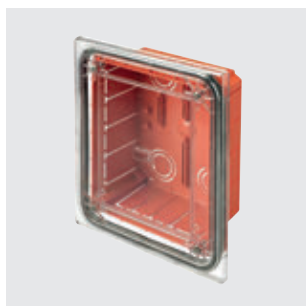
CHARACTERISTICS: pre-arrangement for combined coupling (both horizontal and vertical) via the feedthrough coupling device GW48026.

Mortar guard element assembled by pressing on the base opening.

NOTES: for the inputs, remove the knockouts after cutting the relative tangs with scissors.

The IP55 degree of protection is guaranteed with the lid closed and with installations on waterproof walls made of tiles or similar materials, without joints.

BOXES WITH TRANSPARENT SHOCKPROOF LID - IP55



GW 48 691

MODULAR, WATERTIGHT, FLUSH-MOUNTING JUNCTION AND CONNECTION BOX TRANSPARENT SHOCKPROOF LID



| Code | Outer dim. LxHxD (mm) | Compartment pre-arrangement | Pack Carton |
|-----------|--------------------------|--------------------------------|----------------|
| GW 48 691 | 138x169x70 | 1 | 1/28 |

ACCESSORIES SUPPLIED: self-adhesive symbol discs for the identification of circuits, kit of Ø 4x32mm stainless steel self-tapping screws, hinge for constrained lid opening.

Mortar guard element in cardboard supplied as standard in the packs and packed with paper banding.

CHARACTERISTICS: pre-arrangement for combined coupling (both horizontal and vertical) via the feedthrough coupling device GW48026.

Mortar guard element assembled by pressing on the base opening.

NOTES: for the inputs, remove the knockouts after cutting the relative tangs with scissors.

The IP55 degree of protection is guaranteed with the lid closed and with installations on waterproof walls made of tiles or similar materials, without joints.

APPLICATIONS: ideal for medical room applications where the earthing point must be inspectable.

MODULAR ENCLOSURES WITH SMOKED TRANSPARENT DOOR - IP55



GW 48 681

WATERTIGHT FLUSH-MOUNTING MODULAR ENCLOSURES WITH SHOCKPROOF FRONTS - GREY RAL 7035



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Front dim. LxH (mm) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|--------------------------|------------------------|--------------------------|----------------|
| GW 48 681 | 6 | 138x169x70 | 175x210 | 15 | 1/6 |
| GW 48 682 | 12 | 308x169x70 | 345x210 | 25 | 1/4 |

ACCESSORIES SUPPLIED: module masks, user labels, kit of self-tapping stainless steel screws Ø 4x32mm.

Mortar guard element in cardboard supplied as standard in the packs and packed with paper banding. Enclosures with back plastic bottom.

CHARACTERISTICS: pre-arrangement for combined coupling (both horizontal and vertical) via the feedthrough coupling device GW48026.

Mortar guard element assembled by pressing on the base opening.

NOTES: dispersible power calculated according to IEC 60670-24.



GW 48 686

WATERTIGHT FLUSH-MOUNTING COMBINED BOARD FITTED FOR MODULAR DEVICES AND FOR 2 FLANGES 85X75 MM FOR MOUNTING IEC 309 STANDARD SOCKET-OUTLETS - SHOCKPROOF FRONT - GREY RAL 7035



| Code | No. of modules EN 50022 | Outer dim. LxHxD (mm) | Front dim. LxH (mm) | Dispersible power (W) | Pack Carton |
|-----------|----------------------------|--------------------------|------------------------|--------------------------|----------------|
| GW 48 686 | 4 | 308x169x70 | 345x210 | 19 | 1/4 |

ACCESSORIES SUPPLIED: user labels, kit of self-tapping screws of Ø 4 x 32mm in stainless steel.

Mortar guard element in cardboard supplied as standard in the packs and packed with paper banding.

Enclosures with back plastic bottom.

CHARACTERISTICS: pre-arrangement for combined coupling (both horizontal and vertical) via the feedthrough coupling device GW48026.

Mortar guard element assembled by pressing on the base opening.

NOTES: dispersible power calculated according to IEC 60670-24. Compatible with IEC 309 16A 10° angled receptacle.

COMPLEMENTARY ITEMS



GW 48 024

INTERNAL DIVIDER FOR PTC BOXES



| Code | For boxes dimensions | Pack Carton |
|-----------|------------------------------|-------------|
| GW 48 024 | 398x169x70 and 308x169x70 mm | 10/200 |

APPLICATIONS: guarantees that circuits of a different nature are separated according to Standard CEI 64-8.



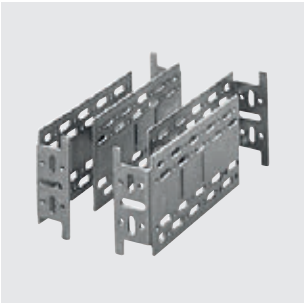
GW 48 026

PTC BOX COUPLING ADAPTOR



| Code | Description | Pack Carton |
|-----------|-------------------|-------------|
| GW 48 026 | Base box coupling | 5/25 |

APPLICATIONS: allows the creation of vertical/horizontal combined compositions and easier cable passage.



GW 70 009

GALVANIZED STEEL EXTENDING BRACKETS FOR REAR FIXING, COMPLETE WITH SELF-TAPPING SCREWS - SET OF 4 BRACKETS - 70 RT RANGE

| Code | Adjustment range | Pack Carton |
|-----------|------------------|-------------|
| GW 70 009 | 90 - 160 mm | 1/10 |

APPLICATIONS: when creating upright columns, it allows the creation of an air gap for the passage of conduits between the PTC box and the wall.



GW 44 683

RAIL FOR FIXING EQUIPOTENTIAL TERMINAL BLOCKS IN THE PTC MODULAR FLUSH- MOUNTING BOXES



| Code | Installable terminal blocks | Pack Carton |
|-----------|---|-------------|
| GW 44 683 | 4xGW44671; 3xGW44672; 2xGW44673; 2xGW44674; 1xGW44675 | 1/50 |

CHARACTERISTICS: width: 1 compartment. For applications with PTC boxes with 2 and 3 compartments, the rail is fixed on the dividers GW48024.



GW 48 643

KIT FOR SEALING LIDS / FRONTS OF PTC BOXES 2 SCREWS WITH HEAD WITH THROUGH HOLE

| Code | Description | Screw dimension (mm) | Pack Carton |
|-----------|----------------------------|----------------------|-------------|
| GW 48 643 | Screws nickel-plated brass | Ø 4x32 | 1/100 |

APPLICATIONS: in areas that can be accessed by unauthorised personnel, it prevents anyone tampering with the system.



GW 48 645

KIT CONTAINING 4 LONG SELF-THREADING SCREWS WITH SPACERS FOR FIXING LIDS AND FRONTS

| Code | Screw dimension (mm) | Spacer thickness (mm) | Pack Carton |
|-----------|----------------------|-----------------------|-------------|
| GW 48 645 | Ø 4x45 | Max 10 mm reducible | 1/100 |

CHARACTERISTICS: the kit can be used for the following flush-mounting ranges: CD/CDK (from 6 modules upwards), 48 CM and 42 RV.



GW 48 644

WATERTIGHT CYLINDRICAL SECURITY LOCK

| Code | For enclosures | Material | Pack Carton |
|-----------|------------------------|-------------------------|-------------|
| GW 48 644 | 48 PTC and 42 RV range | Pressure die-cast metal | 1/10 |

ACCESSORIES SUPPLIED: 2 keys.

NOTES: All the keys and relative locks with the same product code are identical.



GW 66 745

WATERTIGHT LIDS FOR COMBINED ENCLOSURE 48 PTC RANGE, OF THE GW48686 TYPE

| Code | Dimensions LxH (mm) | Suitable for | Colour | Pack Carton |
|-----------|---------------------|-----------------------------|---------------|-------------|
| GW 66 708 | 85x75 | 1 Button Ø22 mm Range 74 PS | Grey | 1/20 |
| GW 66 745 | 85x75 | 1 Button Ø22 mm Range 74 PS | Yellow | 1/20 |
| GW 27 401 | 75x85 | | Grey RAL 7035 | 3/60 |

APPLICATIONS: GW66745 specific for emergency push-buttons. Possibility of assembly on Q-DIN boards, PTC junction boxes, flanged lids and panels.

ACCESSORIES SUPPLIED: gasket and mounting screws.

SPARE PARTS



GW 48 611

PROTECTED SHOCKPROOF LIDS FOR PTC JUNCTION BOXES - WHITE RAL 9016 - IP40



| Code | For boxes dimensions | Pack Carton |
|-----------|----------------------|-------------|
| GW 48 611 | 138x169x70 | 1/70 |
| GW 48 612 | 308x169x70 | 1/25 |
| GW 48 613 | 398x169x70 | 1/40 |

ACCESSORIES SUPPLIED: galvanised self-tapping screw kit 4x32 mm.



GW 48 621

WATERTIGHT SHOCKPROOF LIDS FOR PTC JUNCTION BOXES - RAL 7035 - IP55



| Code | For boxes dimensions | Pack Carton |
|-----------|----------------------|-------------|
| GW 48 621 | 138x169x70 | 1/30 |
| GW 48 622 | 308x169x70 | 1/20 |
| GW 48 623 | 398x169x70 | 1/15 |

ACCESSORIES SUPPLIED: stainless steel self-tapping screw kit 4x32 mm.



GW 48 651

PROTECTED WATERTIGHT TRANSPARENT SHOCKPROOF LIDS FOR PTC JUNCTION BOXES - I55



| Code | For boxes dimensions | Pack Carton |
|-----------|----------------------|-------------|
| GW 48 651 | 138x169x70 | 1/30 |

ACCESSORIES SUPPLIED: stainless steel self-tapping screw kit 4x32 mm.



GW 40 423

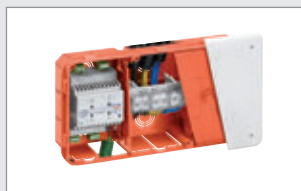
PLASTIC MODULE COVER PROFILE



| Code | No. of modules EN 50022 | Colour | Pack Carton |
|-----------|-------------------------|---------------|-------------|
| GW 40 423 | 4.5 | Grey RAL 7035 | 50 |



48 PT / PT DIN BOXES



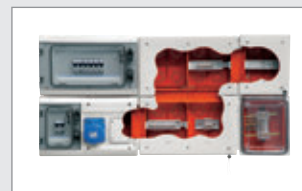
11 sizes complete with mortar guard elements, for creating junction points on the basis of specific needs. In sizes 6-11, the boxes have a built-in DIN rail on the back-mounting box; this makes the range unique. Dispersible max power can be used to match the value with domotic and video entryphone devices. a characteristic that makes the range unique in the market.

48 CM BOXES



Thanks to the considerable box depth (121 mm), all the models in this range can accommodate a greater number of conduits (even with a wide diameter) along the vertical and horizontal walls. These characteristics make the 48CM boxes ideal for junction along system uprights.

48 PTC BOXES



A system consisting of boxes, enclosures and modular boards for junction, command and distribution. The IP55 version is ideal for applications in technical rooms, kitchens or places where there is a risk of the system being struck by sudden jets of water.

48 PT / PT DIN - CONNECTION AND JUNCTION BOXES ALSO FOR DOMOTICS - IP40

TECHNICAL CHARACTERISTICS

Standard: IEC EN 60670-1 (CEI 23-48); IEC EN 60670-22 (CEI 23-94); IEC EN 60670-24 (CEI 23-49) (*)

Degree of protection: IP40

Installation temperature: max +60°C; min. -15°C

Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2)

Impact resistance: IK 07 (standard and deep covers)

IK 10 (impact resistant cover)

Heat resistance: thermo-pressure with ball 70°C

Resistance to abnormal heat and fire: Glow wire test 650°C

Applications: for brickwork walls

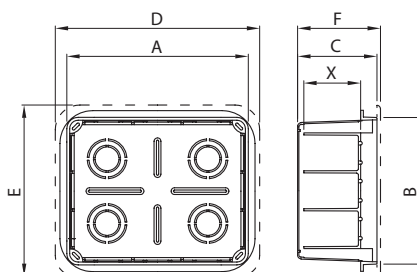
(*) Enclosure type: GP (CEI 23-51) and PD

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Agent | Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-------------------------------------|-----------------|---------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|
| | | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| 48 PT / PT DIN standard cover | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |
| Shockproof cover for 48 PT / PT DIN | Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

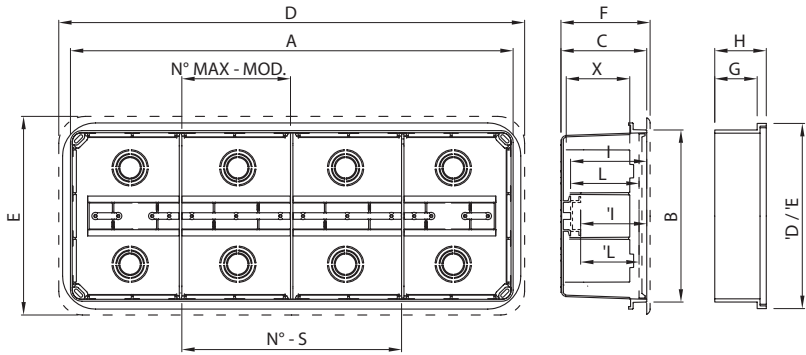
Dimension tables

JUNCTION BOXES (GW48001-GW48005)



| Code | Modular boxes | | | | | | | | | | Cover | | | Deep lid | | | | max Ø of conduit per sector | max Ø of conduit in the back-mounting plate | Maximum dispersible power |
|------------------------|---------------|-----|----|----|-------|--------------------|---|---|----|----|-------|-----|------|----------|-----|----|----|-----------------------------|---|---------------------------|
| | A | B | C | X | N° -S | No. modules N° - M | I | L | 'I | 'L | D | E | F | 'D | 'E | G | H | | | |
| GW 48 001 | 92 | 92 | 45 | 30 | - | - | - | - | - | - | 112 | 112 | 48.5 | - | - | - | - | Ø32 | Ø25 | - |
| GW 48 002 | 118 | 96 | 50 | 36 | - | - | - | - | - | - | 138 | 116 | 53.5 | - | - | - | - | Ø32 | Ø25 | - |
| GW 48 003 | 118 | 96 | 70 | 50 | - | - | - | - | - | - | 138 | 116 | 73.5 | - | - | - | - | Ø32 | Ø25 | - |
| GW 48 004 GW 48 084 | 152 | 98 | 70 | 50 | - | - | - | - | - | - | 172 | 118 | 73.5 | 170 | 116 | 49 | 56 | Ø40 | Ø32 | - |
| GW 48 005 GW 48 085 | 160 | 130 | 70 | 50 | - | - | - | - | - | - | 186 | 156 | 74 | 178 | 148 | 49 | 56 | Ø40 | Ø32 | - |

FLUSH MOUNTING ENCLOSURES WITH INTEGRATED DIN RAIL



| Code | Modular boxes | | | | | | | | | | Cover | | | Deep lid | | | | max Ø of conduit per sector | max Ø of conduit in the back-mounting plate | Maximum dispersible power |
|------------------------|---------------|-----|----|----|-------|-----------------------|------|----|----|------|-------|-----|------|----------|-----|----|----|-----------------------------------|--|---------------------------------|
| | A | B | C | X | N° -S | No. modules N° - M | I | L | 'I | 'L | D | E | F | 'D | 'E | G | H | | | |
| GW 48 006 GW 48 086 | 196 | 152 | 75 | 57 | 2 | 4.5 | 69 | 61 | 62 | 53.5 | 222 | 178 | 79 | 214 | 170 | 49 | 56 | Ø50 | Ø32 | 11W |
| GW 48 007 GW 48 087 | 294 | 152 | 75 | 57 | 3 | 5 | 69 | 61 | 62 | 53.5 | 320 | 178 | 79 | 312 | 170 | 66 | 73 | Ø50 | Ø32 | 13W |
| GW 48 008 GW 48 088 | 392 | 152 | 75 | 57 | 4 | 5 | 70 | 63 | 63 | 55.5 | 418 | 178 | 80 | 410 | 170 | 66 | 73 | Ø50 | Ø32 | 17W |
| GW 48 009 | 480 | 160 | 75 | 57 | 3 | 8 | 70 | 61 | 63 | 53.5 | 506 | 186 | 80.5 | - | - | - | - | Ø50 | Ø50 | 25W |
| GW 48 010 | 516 | 202 | 90 | 69 | 3 | 9 | 85.5 | 78 | 78 | 70.5 | 543 | 229 | 96 | - | - | - | - | Ø63 | Ø50 | 29W |
| GW 48 011 | 516 | 294 | 90 | 69 | 6 | 4 | 85.5 | 77 | 78 | 70 | 543 | 320 | 96 | - | - | - | - | Ø63 | Ø50 | 30W |

48 CM - HIGH CAPACITY CONNECTION AND JUNCTION BOXES - IP40

| TECHNICAL CHARACTERISTICS | |
|--|--|
| Standard: IEC EN 606070-1 (CEI 23-48); IEC EN 60670-22 (CEI 23-94); IEC EN 60670-24 (CEI 23-49) (*) | Impact resistance: IK 07 (IP40 box) IK 10 (IP44 cover) |
| Degree of protection: IP40; (IP44 spare covers) | Heat resistance: thermo-pressure with ball 70°C |
| Installation temperature: max. +60°C; min. -15°C | Resistance to abnormal heat and fire: Glow wire test 650°C |
| Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) | Applications: for brickwork walls |

(*) Enclosure type: GP (CEI 23-51) and PD

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|---------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

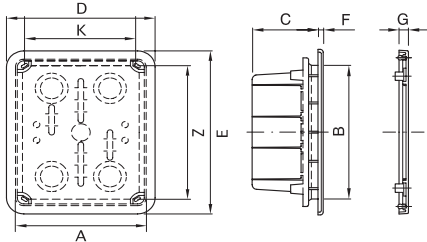
| CASSETTE DI DERIVAZIONE ALTA CAPIENZA | | | | | | | | | | |
|---------------------------------------|-----|-----|-------|-----------|-----|---|----------|-----|----|----|
| | | | | | | | | | | |
| | Box | | | Plain lid | | | Deep lid | | | |
| | A | B | C | D | E | F | D' | E' | G | H |
| GW 48 207 (2 compartments) | 260 | 260 | 121.5 | 280 | 280 | 7 | 286 | 286 | 67 | 74 |
| GW 48 211 (5 compartments) | 520 | 260 | 121.5 | 540 | 280 | 7 | 547 | 286 | 67 | 74 |

48 PTC - MODULAR JUNCTION, COMMAND AND DISTRIBUTION BOXES - IP40/IP55

| TECHNICAL CHARACTERISTICS | |
|--|---|
| Standard: IEC 60670-1; IEC 60670-22; 23-48; EN 60670-1; EN 60670-22; EN 60670-1; EN 60670-22 | Impact resistance: IK 07 (box) IK 08 (watertight control unit and modular board) |
| Degree of protection: IP40; IP55 | Heat resistance: thermo-pressure with ball 70°C |
| Installation temperature: max. +60°C; min. -15°C | Resistance to abnormal heat and fire: Glow wire test 650°C |
| Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) | |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|---------------|--------------------|---------------|--------------------|-----------|---------------|---------------|--------------------|--------------------|--------------------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Limited resistance | Not resistant | Limited resistance | Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

| FLUSH-MOUNTING MODULAR SYSTEM | | | | | | | | | |
|---|-----|-----|----|--------|-----|-----|---|-----|-----|
|  | | | | | | | | | |
| Code | Box | | | Covers | | | | | |
| | A | B | C | D | E | F | G | Z | K |
| GW 48 661 GW 48 671 GW 48 681 GW 48 691 | 138 | 169 | 70 | | | | | 154 | 120 |
| GW 48 662 GW 48 672 GW 48 682 GW 48 686 | 308 | 169 | 70 | | | | | 154 | 145 |
| GW 48 663 GW 48 673 | 398 | 169 | 70 | | | | | 154 | 125 |
| GW 48 611 | | | | 175 | 210 | 5.5 | | 154 | 120 |
| GW 48 612 | | | | 345 | 210 | 5.5 | | 154 | 145 |
| GW 48 613 | | | | 435 | 210 | 5.5 | | 154 | 125 |
| GW 48 621 | | | | 175 | 210 | - | 9 | 154 | 120 |
| GW 48 622 | | | | 345 | 210 | - | 9 | 154 | 145 |
| GW 48 623 | | | | 435 | 210 | - | 9 | 154 | 125 |
| GW 48 651 | | | | 175 | 210 | - | 9 | 154 | 120 |

24 SC

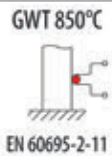
Flush mounting; surface or underfloor boxes

Wide range of surface-mounting and flush-mounting boxes for domestic ranges with high mechanical robustness and accessories supplied: dividers, junction elements, mortar-guard shield etc. Completing the range, the distribution outlet boxes for floor-mounting installations can be personalised in terms of capacity, external design finish, and internal fittings (they take both System range components and DIN rail devices).



Technical characteristics page 1416

UNDERFLOOR OUTLET BOXES



UNDERFLOOR OUTLET BOXES - WITH SUPPORTS POSITIONED VERTICALLY



GW 24 601

UNDERFLOOR OUTLET BOXES WITH HOLLOW LID - GLOW WIRE TEST 850° C



| Code | Internal modularity | No. of supports | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|---------------------|-------------------------------|-----------------------|-------------|
| GW 24 601 | 10 SYSTEM modules | 2 supports with 5 System mod. | 212x98x320 | 1 |
| GW 24 602 | 20 SYSTEM modules | 4 supports with 5 System mod. | 364x98x320 | 1 |

CHARACTERISTICS: the supports are suitable for the insertion of plastic mobile dividers (energy/data) included.
The lid can be removed with the aid of a tool, and can be assembled on either side of the box.
The lid can be completed by inserting the same finish as used for the floor of the installation area.



GW 24 612

UNDERFLOOR OUTLET BOXES WITH STAINLESS STEEL LID - GLOW WIRE TEST 850° C



| Code | Internal modularity | No. of supports | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|---------------------|-------------------------------|-----------------------|-------------|
| GW 24 611 | 10 SYSTEM modules | 2 supports with 5 System mod. | 212x98x320 | 1 |
| GW 24 612 | 20 SYSTEM modules | 4 supports with 5 System mod. | 364x98x320 | 1 |

CHARACTERISTICS: the supports are suitable for the insertion of plastic mobile dividers (energy/data) included.
The lid can be removed with the aid of a tool, and can be assembled on either side of the box.
The lid has a stainless steel design surface finish.

UNDERFLOOR OUTLET BOXES - WITH SUPPORTS POSITIONED HORIZONTALLY



GW 24 606

UNDERFLOOR OUTLET BOXES WITH HOLLOW LID - GLOW WIRE TEST 850° C



| Code | Internal modularity | No. of bases | No. of supports | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|---------------------|--------------|--------------------------------|-----------------------|-------------|
| GW 24 606 | 16 SYSTEM modules | 1 base | 8 supports with 2 System mod. | 212x98x320 | 1 |
| GW 24 607 | 32 SYSTEM modules | 2 bases | 16 supports with 2 System mod. | 364x98x320 | 1 |

CHARACTERISTICS: each base includes 8 snap-fit System supports.
The base is fixed with screws to the underfloor outlet box.
Plastic dividers (energy/data) are already included in the base.
The lid can be removed with the aid of a tool, and can be assembled on either side of the box.
The lid can be completed by inserting the same finish as used for the floor of the installation area.



GW 24 616

UNDERFLOOR OUTLET BOXES WITH STAINLESS STEEL LID - GLOW WIRE TEST 850° C



| Code | Internal modularity | No. of bases | No. of supports | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|---------------------|--------------|--------------------------------|-----------------------|-------------|
| GW 24 616 | 16 SYSTEM modules | 1 base | 8 supports with 2 System mod. | 212x98x320 | 1 |
| GW 24 617 | 32 SYSTEM modules | 2 bases | 16 supports with 2 System mod. | 364x98x320 | 1 |

CHARACTERISTICS: each base includes 8 snap-fit System supports.
The base is fixed with screws to the underfloor outlet box.
Plastic dividers (energy/data) are already included in the base.
The lid can be removed with the aid of a tool, and can be assembled on either side of the box.
The lid has a stainless steel design surface finish.

ACCESSORIES



GW 24 622

METAL CASING

| Code | Suitable for outlet boxes | Pack Carton |
|------------------|------------------------------------|-------------|
| GW 24 621 | GW24601, GW24611, GW24606, GW24616 | 1 |
| GW 24 622 | GW24602, GW24612, GW24607, GW24617 | 1 |

NOTES: suitable for the laying of the underfloor outlet boxes in cast flooring. Supplied with coupling flanges for conduits and channels. With lid.



GW 24 633

KIT FOR INSTALLATION OF DEVICES ON DIN RAIL


| Code | Suitable for outlet boxes | Pack Carton |
|------------------|------------------------------------|-------------|
| GW 24 633 | GW24601, GW24611, GW24602, GW24612 | 1/30 |

CHARACTERISTICS: suitable for the installation of DIN rail devices - max. 2 modules, only for underfloor outlet boxes with supports positioned vertically.

NOTES: the kit includes a DIN rail to be fixed on the back-mounting box of the underfloor outlet box, along with a plastic covering support.


FLUSH-MOUNTING BOXES FOR MASONRY WALLS

INSTALLATION



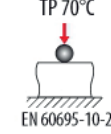
min -15°C max +60°C

GWT 650°C



EN 60695-2-11

TP 70°C




EN 60695-10-2

RECTANGULAR BOXES - BIG BOX



GW 24 403

BIG BOX HIGH CAPACITY RECTANGULAR BOXES FOR DOMESTIC, MODULAR AND DOMOTICS RANGES


|  EN 60754-2 | | | | | |
|---|-----------------|--------------------------------|-----------------------------|-----------------------|-------------|
| Code | Description | Fixing supports axles distance | Compartment pre-arrangement | Outer dim. LxHxD (mm) | Pack Carton |
| GW 24 403 | 3 gang | 83.5 mm | 3 | 119x80x50 | 15/345 |
| GW 24 404 | 4 gang | 108.5 mm | 4 | 144x85x50 | 5/135 |
| GW 24 406 | 6 gang | 100 mm | 6 | 194x90x50 | 3/36 |
| GW 24 206 | 6 gang (3+3) | 83.5 mm | 1 | 108x124x50 | 5/150 |
| GW 24 237 | 8 gang (4+4) | 108.5 mm | 2 | 131x129x53 | 2/24 |
| GW 24 238 | 12 gang (6+6) | 163.5 mm | 2 | 186x132x53 | 2/24 |
| GW 24 239 | 18 gang (6+6+6) | 163.5 mm | 3 | 186x190x65 | 2/16 |

CHARACTERISTICS: GW24403, GW24404 and GW24406 can be combined with a reusable, mortar-proof, protective shield; functional dividers and joint elements.
GW24206: suitable for assembly of GW24005 self-supporting "Compact" plates and GW24215 - GW24216 blank "Compact" plates.
ACCESSORIES SUPPLIED: GW24237, GW24238 and GW24239 include functional dividers.
APPLICATIONS: ideal for use in the Home6Building Automation.
NOTES: GW24239 for PLAYBUS range only.



GW 24 403 P

MORTAR-PROOF PROTECTIVE SHIELDS FOR BIG BOX RECTANGULAR BOXES

|  EN 60754-2 | | |
|---|-------------------|-------------|
| Code | For BIG BOX boxes | Pack Carton |
| GW 24 403 P | GW24403 | 200 |
| GW 24 404 P | GW24404 | 50 |
| GW 24 406 P | GW24406 | 50 |

CHARACTERISTICS: in technopolymer. Total protection during brick wall work, painting and finishing operations.
Equipped with soft technopolymer antennas for identification purposes, and a central handle making it easier to pull it out.
NOTES: clip fixing to speed up assembly and removal operations.



GW 24 321

FUNCTIONAL DIVIDER FOR RECTANGULAR BOXES

| Code | For BIG BOX boxes | For GREEN WALL boxes | Pack Carton |
|-----------|---------------------------|---------------------------------|-------------|
| GW 24 321 | GW24403, GW24404, GW24406 | GW24403PM, GW24404PM, GW24406PM | 200 |

APPLICATIONS: to separate circuits of different voltages in accordance with Systems Standard IEC 60364 (international) and HD 384 (european).



GW 24 330

CONNECTION ELEMENT FOR THE COMBINED ASSEMBLY OF BIG BOX RECTANGULAR BOXES

| <div><div>HF</div><div>EN 60754-2</div></div> | | |
|---|---------------------------|-------------|
| Code | For BIG BOX boxes | Pack Carton |
| GW 24 330 | GW24403, GW24404, GW24406 | 150 |

APPLICATIONS: for the horizontal/vertical composition of BIG BOXes with 3/4/6 gangs.
NOTES: GW24330 allows the assembly of System, Playbus and Chorus plates.

SQUARE BOX



GW 24 231

MODULAR SQUARE BOX

| <div><div>HF</div><div>EN 60754-2</div></div> | | | | |
|---|------------------|--------------------------------|-----------------------|-------------|
| Code | Description | Fixing supports axles distance | Outer dim. LxHxD (mm) | Pack Carton |
| GW 24 231 | 2 gang sectional | 60 mm | 70x70x50 | 5/200 |

CHARACTERISTICS: fitted for multiple horizontal/vertical configurations, with centre distance 71 mm between the boxes. Supplied with 2 fixing screws.

ROUND BOXES



GW 24 232

ROUND MODULAR BOXES Ø 60MM WITH COLUMNS FOR THE FIXING SCREWS



| Code | Description | Fixing supports axes distance | Dimensions (mm) | Pack Carton |
|-----------|--|----------------------------------|--------------------|----------------|
| GW 24 232 | Modular round | 60 mm | Ø 60 x 42 | 5/200 |
| GW 24 233 | Base/unit spacer for coupling at 91 mm | | | 20/200 |

CHARACTERISTICS: GW24232, fitted for single or double installation, with centre distance composition of 71mm (or 91mm with the special spacer available as an accessory).
Supplied with 2 fixing screws.



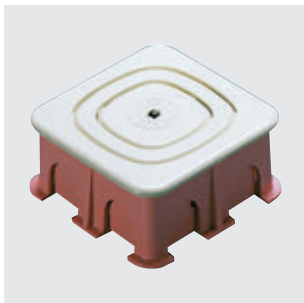
GW 24 208

ROUND BOXES



| Code | Description | Dimensions (mm) | Pack Carton |
|-----------|-------------|--------------------|----------------|
| GW 24 208 | Conical | Ø 60 x 46 | 270 |
| GW 24 209 | Cylindrical | Ø 65x38 | 312 |
| GW 24 210 | Cylindrical | Ø 85x42 | 152 |

TELEPHONE SYSTEMS BOX



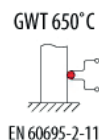
GW 24 221

TELEPHONE SYSTEMS BOX - IVORY COLOUR LID

| Code | Type of installation | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|-------------------------|--------------------------|----------------|
| GW 24 221 | Conventional | 68x68x30 | 280 |

CHARACTERISTICS: entries for conduits Ø 20 mm.

WALL-MOUNTING BOXES



BOXES FOR CHORUS RANGE



GW 16 743

WALL-MOUNTING BOXES FOR MINI-TRUNKING AND TRUNKING USED AS SKIRTING FOR ONE PLATES



| Code | Description | Support | Outer dim. LxHxD (mm) | Pack Carton |
|----------------------|-------------|---------|-----------------------|-------------|
| Colour: White | | | | |
| GW 16 743 | 3 gang | GW16803 | 118x90x46 | 3/60 |
| GW 16 744 | 4 gang | GW16804 | 140x90x46 | 1/30 |
| Colour: Black | | | | |
| GW 16 773 | 3 gang | GW16803 | 118x90x46 | 3/30 |
| GW 16 774 | 4 gang | GW16804 | 140x90x46 | 1/30 |

CHARACTERISTICS: support and plate not included. Use ONE plates (interchangeability with the entire colour range of plates). Pre-arranged for mini-trunking with dimensions BxH (mm): 15x8, 15x10, 22x10, 30x15.

NOTES: fitted for fixing the earth terminal GW26407.



GW 16 752

WALL-MOUNTING BOXES FOR MINI-TRUNKING AND TRUNKING USED AS SKIRTING FOR ONE INTERNATIONAL PLATES



| Code | Description | Type | Support | Outer dim. LxHxD (mm) | Pack Carton |
|----------------------|-------------|------------|---------|-----------------------|-------------|
| Colour: White | | | | | |
| GW 16 752 | 2 gang | | GW16822 | 90x90x46 | 1/30 |
| GW 16 753 | 2+2 gang | Horizontal | GW16822 | 161x90x46 | 1/15 |
| GW 16 754 | 2+2 gang | Vertical | GW16822 | 90x161x46 | 1/15 |
| Colour: Black | | | | | |
| GW 16 782 | 2 gang | | GW16822 | 90x90x46 | 1/30 |
| GW 16 783 | 2+2 gang | Horizontal | GW16822 | 161x90x46 | 1/15 |
| GW 16 784 | 2+2 gang | Vertical | GW16822 | 90x161x46 | 1/15 |

CHARACTERISTICS: support and plate not included. Use ONE International plates (interchangeability with the entire colour range of the plates).

Pre-arranged for mini-trunking with dimensions BxH (mm): 15x15, 20x20, 22x10, 30x10, 30x15, 35x15, 45x15.

GW16754 and GW16784 to be used together with plates with a centre distance of 71mm.

GW16752 - GW16782 supplied with 2 fixing screws. GW16753 - GW16754 - GW16783 - GW16784 supplied with 6 fixing screws.

NOTES: fitted for fixing the earth terminal GW26407.

SYSTEM RANGE BOXES



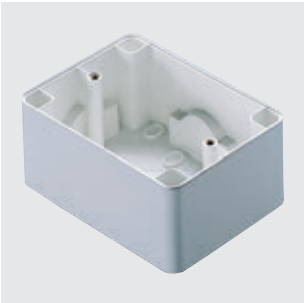
GW 22 471

WALL-MOUNTING BOXES FOR TOP SYSTEM PLATES



| Code | Suitable for | Colour | For trunking dim. (mm) | For conduits max Ø (mm) | Pack Carton |
|-----------|-----------------------|-------------|------------------------|-------------------------|-------------|
| GW 22 471 | 1/2/3 gang TOP SYSTEM | Cloud white | 14x8.5 30x13 20x10 | 16 - 20 | 3/60 |
| GW 22 472 | 4 gang TOP SYSTEM | Cloud white | 14x8.5 30x13 20x10 | 16 - 20 | 3/30 |

CHARACTERISTICS: fitted for fixing the earth terminal GW26407.



GW 24 006

WALL-MOUNTING BOXES FOR COMPACT SELF-SUPPORTING PLATES



| Code | Suitable for | Colour | For trunking dim. (mm) | For conduits max Ø (mm) | Pack Carton |
|-----------|--------------------|-------------|------------------------|-------------------------|-------------|
| GW 24 006 | 1/2/3 gang COMPACT | Cloud white | 14x8.5 30x13 20x10 | 16 - 20 - 25 | 3/60 |
| GW 24 007 | 3+3 gang COMPACT | Cloud white | 14x8.5 30x13 20x10 | 16 - 20 - 25 | 3/30 |

CHARACTERISTICS: fitted for fixing the earth terminal GW26407.



GW 32 431

WALL-MOUNTING BOXES FOR VIRNA PLATES



| Code | Suitable for plates | Colour | For trunking dim. (mm) | For conduits max Ø (mm) | Pack Carton |
|-----------|---------------------|-------------|------------------------|-------------------------|-------------|
| GW 32 431 | 1/2/3 gangs | Cloud white | 15x17 / 22x10 / 25x17 | 16 - 20 | 3/60 |
| GW 32 432 | 1/2/3 gangs | Toner black | 15x17 / 22x10 / 25x17 | 16 - 20 | 3/60 |

CHARACTERISTICS: fitted for fixing the earth terminal GW26407.

PLAYBUS RANGE BOXES



GW 32 431

WALL-MOUNTING BOXES



| Code | Suitable for | Colour | Pack Carton |
|-----------|--------------------|-------------|-------------|
| GW 32 431 | 1/2/3 gang PLAYBUS | Cloud white | 3/60 |
| GW 32 432 | 1/2/3 gang PLAYBUS | Toner black | 3/60 |
| GW 32 436 | 4+4 gang PLAYBUS | Cloud white | 3/51 |
| GW 32 437 | 4+4 gang PLAYBUS | Toner black | 3/51 |

CHARACTERISTICS: fitted for fixing the earth terminal GW26407. Suitable for conduit Ø 16 - 20 mm.

COMPLEMENTARY ITEMS



GW 24 322

FUNCTIONAL DIVIDERS IN METAL FOR MODULAR, FLUSH-MOUNTING CONTAINERS

| Code | Suitable for | Pack Carton |
|-----------|--------------|-------------|
| GW 24 322 | GW24237 | 10/100 |
| GW 24 323 | GW24238 | 10/100 |
| GW 24 324 | GW24239 | 10/100 |

APPLICATIONS: energy separation - signal / separation special circuits.



GW 24 227

DEEP LIDS FOR 3-GANG FLUSH-MOUNTING RECTANGULAR BOXES TO INTERFACE BETWEEN WALL AND FLUSH INSTALLATIONS - IP40

| Code | Description | Colour | Pack Carton |
|-----------|--------------|-------------|-------------|
| GW 24 227 | Blank lid | Cloud white | 5/50 |
| GW 24 228 | Device frame | Cloud white | 5/50 |

APPLICATIONS: the deep lids allow the system to be extended, deriving additional points for drawing and controlling power from a 3 gang flush-mounting rectangular box. The version with a window, GW24228, permits installing frames and plates with up to 3 gang.

CHARACTERISTICS: for trunking, 15x17 - 22x10 - 25x17mm.



GW 24 211

BLANK PLATES FOR RECTANGULAR FLUSH-MOUNTING BOXES



| Code | Description | Configuration | Fixing | Colour | Pack Carton |
|-----------|-------------|---------------|------------|-------------|-------------|
| GW 24 211 | 3 gang | | With screw | Cloud white | 1/120 |
| GW 24 212 | 3 gang | | With screw | Toner black | 1/120 |
| GW 24 213 | 4 gang | | With screw | Cloud white | 1/60 |
| GW 24 214 | 4 gang | | With screw | Toner black | 1/60 |
| GW 24 215 | 3+3 gang | Overlapping | With screw | Cloud white | 1/60 |
| GW 24 216 | 3+3 gang | Overlapping | With screw | Toner black | 1/60 |



GW 24 218

LIDS FOR ROUND FLUSH-MOUNTING BOXES

| Code | Description | Colour | Fixing | Pack Carton |
|-----------|-------------|----------------|----------------------|-------------|
| GW 24 218 | Ø 65mm | White RAL 9016 | With fixing clutches | 50/400 |
| GW 24 220 | Ø 85mm | White | With fixing clutches | 50/600 |



GW 24 224

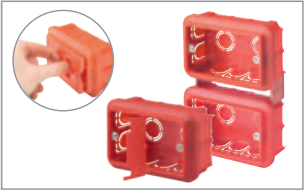
SPECIAL SELF-TAPPING SCREWS FOR FIXING THE SUPPORTS AND COMPACT SELF- SUPPORTING PLATES

| Code | Dimensions (mm) | Suitable for | Pack Carton |
|------------------|--------------------|--------------------------|----------------|
| GW 24 224 | TC 3.5x17 | Wood, plastic, aluminium | 500/7000 |
| GW 24 225 | TC 3.5x30 | Deep-mounted boxes | 300/4200 |
| GW 24 229 | TC 3.5x50 | Deep-mounted boxes | 300/4200 |

24 SC



BOXES FOR BRICK WALL APPLICATIONS



The BIG BOX high-capacity, robust boxes are ideal for both traditional and domotic applications. Unlike conventional products, they offer more internal space and a multitude of accessories. (mortar guard shield, joint elements, dividers, etc.).

BOXES FOR UNDERFLOOR APPLICATIONS



The range meets the increasing needs of protection, connectivity and power take-off in the commercial sector: It includes versions with 10/20 or 16/32 System modules, with a trafficable lid (hollow or stainless steel finish). Thanks to the metal casings, installation is also possible in cast flooring.

BOXES FOR SURFACE APPLICATIONS



With a design purposely coordinated with that of the GEWISS domestic range plates, the wall-mounting boxes for the Chorus, System and Playbus lines. facilitate quality installation even in environments where it is impossible to make chased systems.

UNDERFLOOR OUTLET BOXES

| TECHNICAL CHARACTERISTICS | |
|---|---|
| Standard: IEC EN 606070-1 (CEI 23-48); IEC EN 60670-23; IEC EN 60670-24 (CEI 23-49) (*) | Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) |
| Degree of protection: IP52 between the edge of the underfloor box and the floor | Point load resistance: 500N |
| IP40 between the lid and the interior of the box (excluding the exit point of the cables) | Distributed load resistance: 1000N |
| IP20 in the point of exit of the cables | Resistance to abnormal heat and fire: Glow wire test 850°C |
| Installation temperature: Max +45°C; Min -5°C | |

Dimension tables

| UNDERFLOOR OUTLET BOXES | | | |
|-------------------------|--|------------|--|
| 10 modules | | 10 modules | |
| | | | |
| | | | |
| 20 modules | | 20 modules | |
| | | | |
| | | | |

FLUSH-MOUNTING BOXES FOR MASONRY WALLS

| TECHNICAL CHARACTERISTICS | | | | | | | | | | |
|---|---------------|---------------|--------------------|--------------------|--|---------------|---------------|--------------------|--------------------|--------------------|
| Standard: IEC 60670-1; EN 60670-1; | | | | | Impact resistance: IK 07 | | | | | |
| Degree of protection: IP40 | | | | | Heat resistance: thermo-pressure with ball 70°C | | | | | |
| Installation temperature: max. +60°C; min. -15°C | | | | | Resistance to abnormal heat and fire: Glow wire test 650°C | | | | | |
| Material: GW PLAST technopolymer, halogen-free in accordance with EN 60754-2 (CEI EN 50267-2-2) | | | | | Installation: for masonry walls | | | | | |
| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Not resistant | Limited resistance | Limited resistance | Limited resistance |

Dimension tables

FLUSH-MOUNTING BOXES

3 gang GW 24 403
4 gang GW 24 404

6 gang GW 24 406

| | GW 24 403 | GW 24 404 | GW 24 406 |
|------|----------------|----------------|----------------|
| Code | 3 gang BIG BOX | 4 gang BIG BOX | 6 gang BIG BOX |
| A | 96 | 121 | 171 |
| B | 58 | 58 | 60 |
| C | 119 | 144 | 194 |
| D | 80 | 85 | 90 |
| E | 49 | 49 | 49 |
| F | 50.5 | 50.5 | 50.5 |
| G | 83.5 | 108.5 | 100 |

ROUND
GW 24 232

60 40

71 91

GW 24 233

SQUARE
GW 24 231

60 63 48

71

6 gang
GW 24 206

108 94 47 110 124 83.5 50 48

8 gang
GW 24 237

131 116 112 129.5 116 57.5 53 51

12 gang
GW 24 238

186 170 132.5 116.5 57.5 63 65

18 gang
GW 24 239

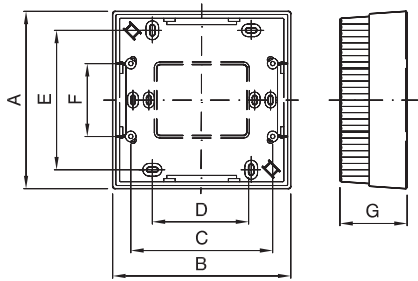
186 170 190 174 117 63

FLUSH-MOUNTING BOARDS

1417

PLAYBUS WALL-MOUNTING BOXES

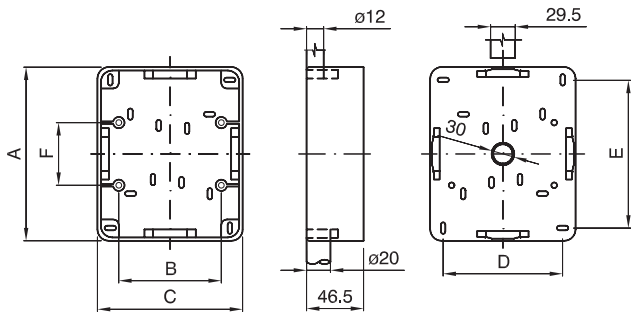
GW 32 431 - GW 32 432
GW 32 436 - GW 32 437



| Code | GW 32 431 GW 32 432 | GW 32 436 GW 32 437 |
|------|------------------------|------------------------|
| | 3 GANG | 4+4 GANG |
| A | 80 | 140 |
| B | 116 | 140.6 |
| C | 83.5 | 108.5 |
| D | 90 | 78 |
| E | 50 | 110 |
| F | - | 57.5 |
| G | 50 | 53 |

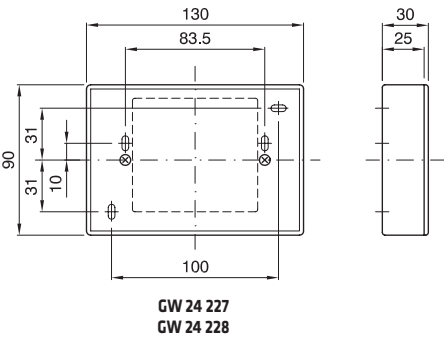
COMPACT WALL-MOUNTING BOXES

GW 24 006
GW 24 007



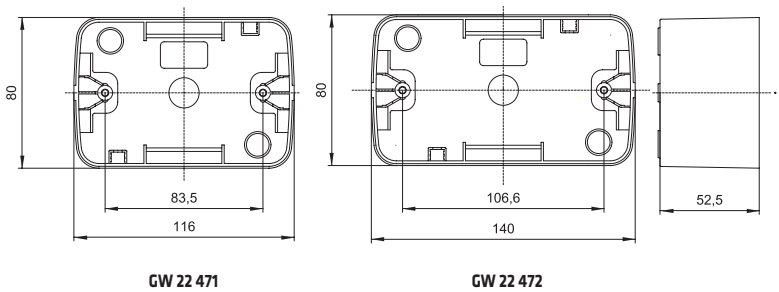
| Code | GW 24 006 | GW 24 007 |
|------|-----------|-----------|
| | 3 GANG | 3+3 GANG |
| A | 83 | 136 |
| B | 83.5 | 83.5 |
| C | 113 | 113 |
| D | 96 | 96 |
| E | 65 | 119 |
| F | - | 51 |

DEEP LIDS



GW 24 227
GW 24 228

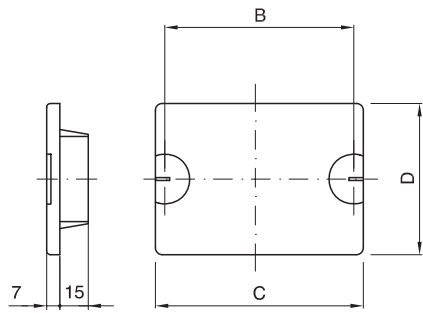
TOP SYSTEM WALL-MOUNTING BOXES



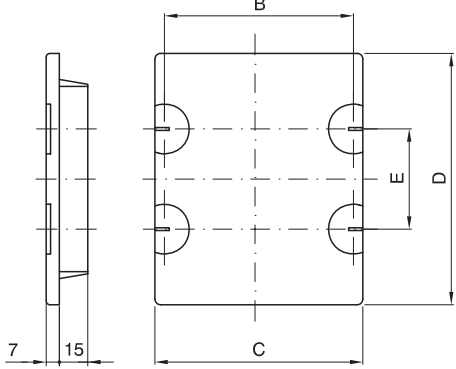
GW 22 471

GW 22 472

BLANK PLATES



GW 24 211 - GW 24 212
GW 24 213 - GW 24 214



GW 24 215 - GW 24 216

| Code | GW 24 211 | GW 24 213 | GW 24 215 |
|------|-----------|-----------|-----------|
| | GW 24 212 | GW 24 214 | GW 24 216 |
| | 3 GANG | 4 GANG | 3+3 GANG |
| B | 83.5 | 108.5 | 83.5 |
| C | 110 | 134 | 110 |
| D | 80 | 80 | 133 |
| E | - | - | 51 |

Conduits and installation accessories

RK

RIGID PROTECTIVE CONDUIT SYSTEMS



pag. 1424

FK

PLIABLE PROTECTIVE CONDUIT SYSTEMS



pag. 1446

DF

FLEXIBLE PROTECTIVE CONDUIT SYSTEMS



pag. 1464

FU/PZ

CABLE DUCT AND ACCESS CHAMBER SYSTEMS
















pag. 1477





GW FIT






CABLE DUCT AND ACCESS CHAMBER SYSTEMS



pag. 1494




| Ø Conduit (mm) | RIGID CONDUITS | | | | | | | | | RK RANGE - IP40 COUPLINGS | | | |
|----------------|---|---|---|---|---|---|---|---|--|---|---|---|---|
| | IRL range | | IRL/B range | | RK 15 range | | RKB range | RKHF range | | Coupling IP40 | Narrow radius curves IP40 | Inspectionable T-joint IP40 | Inspectionable bend IP40 |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |
| | 2M | 3M | 2M | 3M | 2M | 3M | 3M | 2M | 3M | | | | |
| 16 | DX 27 216 | DX 27 316 | DX 27 616 | DX 27 716 | DX 25 216 | DX 25 316 | DX 25 716 | DX 26 216 | DX 26 316 | DX 40 016 | DX 40 116 | DX 40 216 | DX 40 316 |
| 20 | DX 27 220 | DX 27 320 | DX 27 620 | DX 27 720 | DX 25 220 | DX 25 320 | DX 25 720 | DX 26 220 | DX 26 320 | DX 40 020 | DX 40 120 | DX 40 220 | DX 40 320 |
| 25 | DX 27 225 | DX 27 325 | DX 27 625 | DX 27 725 | DX 25 225 | DX 25 325 | DX 25 725 | DX 26 225 | DX 26 325 | DX 40 025 | DX 40 125 | DX 40 225 | DX 40 325 |
| 32 | DX 27 232 | DX 27 332 | DX 27 632 | DX 27 732 | DX 25 232 | DX 25 332 | DX 25 732 | DX 26 232 | DX 26 332 | DX 40 032 | DX 40 132 | DX 40 232 | DX 40 332 |
| 40 | | DX 27 340 | DX 27 640 | DX 27 740 | | DX 25 340 | DX 25 740 | DX 26 240 | | DX 40 040 | DX 40 140 | | |
| 50 | | DX 27 350 | | DX 27 750 | | DX 25 350 | DX 25 750 | DX 26 250 | | DX 40 050 | DX 40 150 | | |
| 63 | | DX 27 363 | | DX 27 763 | | DX 25 363 | DX 25 763 | DX 26 263 | | DX 40 063 | DX 40 163 | | |

| Description | BOXES | COUPLING DEVICES FOR TRIX AND QUADRIX BOXES - IP54 | | |
|----------------------|---|--|--|--|
| |  | Cap  | Box-box coupling device  | Coupling device for smooth conduits  |
| | | | | Conduit Ø 16 mm |
| TRIX BOX 3-inlet | DX 45 003 | DX 47 000 | DX 47 001 | DX 47 616 |
| QUADRIX BOX 4-inlet | DX 45 004 | DX 47 000 | DX 47 001 | DX 47 616 |
| QUADRIX BOX 7-inlet | DX 45 007 | DX 47 000 | DX 47 001 | DX 47 616 |
| QUADRIX BOX 10-inlet | DX 45 010 | DX 47 000 | DX 47 001 | DX 47 616 |


| Ø Conduit (mm) | IP 44 - IP 66 ROUTING COMPONENTS | | ACCESSORIES | | |
|----------------|---|---|---|---|---|
| | Flexible couplings SPEEDY-FLEX range | | Conduit-bending springs RK 15 | Conduit-bending springs RKB | Conduit cutting shears |
| |  |  |  |  |  |
| 16 | GW 50 201 | GW 50 207 | DX 51 416 | DX 51 316 | DX 51 600 |
| 20 | GW 50 202 | GW 50 208 | DX 51 420 | DX 51 320 | |
| 25 | GW 50 203 | GW 50 209 | DX 51 425 | DX 51 325 | |
| 32 | GW 50 204 | GW 50 210 | DX 51 432 | | |
| 40 | GW 50 205 | GW 50 211 | DX 51 440 | | DX 51 600 |
| 50 | GW 50 206 | GW 50 212 | DX 51 450 | | |

In bold: halogen-free material versions

MORBIDX RANGE - WATERTIGHT COUPLINGS

| Coupling IP67 | Narrow radius curves IP67 | Conduit-box coupling IP67 | | Conduit-sheath coupling device IP65 | | Conduit-sheath coupling device equal diameter - IP65 | | La Svolta conduit-conduit IP65 |
|---|---|------------------------------|------------------|--|------------------|---|------------------|---|
|  |  | Metric pitch | | Sheath Ø | | Sheath Ø | |  |
| DX 43 016 | DX 43 116 | M16x1,5 | DX 43 216 | 12 | DX 43 316 | 16 | DX 43 416 | DX 43 516 |
| DX 43 020 | DX 43 120 | M20x1,5 | DX 43 220 | 16 | DX 43 320 | 20 | DX 43 420 | DX 43 520 |
| DX 43 025 | DX 43 125 | M25x1,5 | DX 43 225 | 20 | DX 43 325 | 25 | DX 43 425 | DX 43 525 |
| DX 43 032 | DX 43 132 | M32x1,5 | DX 43 232 | 25 | DX 43 332 | 28 | DX 43 432 | DX 43 532 |
| DX 43 040 | DX 43 140 | M40x1,5 | DX 43 240 | 32 | DX 43 340 | 40 | DX 43 440 | DX 43 540 |
| DX 43 050 | DX 43 150 | M50x1,5 | DX 43 250 | 40 | DX 43 350 | | | DX 43 550 |
| | | | | | | | | |

COUPLING DEVICES FOR TRIX AND QUADRIX BOXES - IP54

| Coupling device for smooth conduits | | Coupling device for spiral sheaths | | | Cable gland coupling device | | |
|--|------------------|--|------------------|------------------|--|------------------|------------------|
|  | |  | | |  | | |
| Conduit Ø 20 mm | Conduit Ø 25 mm | Sheath Ø 12 mm | Sheath Ø 16 mm | Sheath Ø 20 mm | Cables Ø 3-6 mm | Cables Ø 6-9 mm | Cables Ø 9-12 mm |
| DX 47 620 | DX 47 625 | DX 47 212 | DX 47 216 | DX 47 220 | DX 47 503 | DX 47 506 | DX 47 509 |
| DX 47 620 | DX 47 625 | DX 47 212 | DX 47 216 | DX 47 220 | DX 47 503 | DX 47 506 | DX 47 509 |
| DX 47 620 | DX 47 625 | DX 47 212 | DX 47 216 | DX 47 220 | DX 47 503 | DX 47 506 | DX 47 509 |
| DX 47 620 | DX 47 625 | DX 47 212 | DX 47 216 | DX 47 220 | DX 47 503 | DX 47 506 | DX 47 509 |

RK

Rigid protective conduit systems

The system of rigid protective conduits, made of extremely high quality material, guarantees excellent quality to offer greater performance. Available with diameters from 16 to 63 mm, in versions RK15 (medium), RKB (heavy) and RKHF heavy in halogen-free material. They are fully integrable with the systems of flexible conduits and junction boxes. Completing the offer, a wide range of couplings and routing components with IP40 and IP67 degree of protection.

Technical characteristics page 1434



RIGID CONDUITS

MEDIUM RIGID CONDUIT IRL

CLASSIFICATION

3 3 2 1

EN 50086
EN 61386

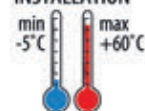
750N



2J



INSTALLATION



GWT 960°C



EN 60695-2-11



DX 27 216

MEDIUM RIGID CONDUIT - LENGTH: 2 METRES - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 27 216 | 16 | 74/2220 |
| DX 27 220 | 20 | 48/1344 |
| DX 27 225 | 25 | 48/864 |
| DX 27 232 | 32 | 38/532 |



DX 27 316

MEDIUM RIGID CONDUIT - LENGTH: 3 METRES - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 27 316 | 16 | 75/3150 |
| DX 27 320 | 20 | 51/2142 |
| DX 27 325 | 25 | 51/1224 |
| DX 27 332 | 32 | 30/780 |
| DX 27 340 | 40 | 21/525 |
| DX 27 350 | 50 | 15/360 |
| DX 27 363 | 63 | 9/180 |

MEDIUM RIGID CONDUIT IRL/B

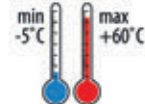
CLASSIFICATION
3321

 EN 50086
EN 61386

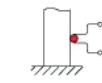
750N



2J


INSTALLATION


GWT 960°C



EN 60695-2-11



DX 27 616

MEDIUM RIGID CONDUIT - SLEEVED - LENGTH: 2 METRES - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 27 616 | 16 | 74/2220 |
| DX 27 620 | 20 | 48/1344 |
| DX 27 625 | 25 | 48/864 |
| DX 27 632 | 32 | 38/532 |
| DX 27 640 | 40 | 14/350 |



DX 27 716

MEDIUM RIGID CONDUIT - SLEEVED - LENGTH: 3 METRES - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 27 716 | 16 | 75/3150 |
| DX 27 720 | 20 | 51/2142 |
| DX 27 725 | 25 | 51/1224 |
| DX 27 732 | 32 | 30/780 |
| DX 27 740 | 40 | 21/525 |
| DX 27 750 | 50 | 15/360 |
| DX 27 763 | 63 | 9/180 |

RK 15 MEDIUM RIGID CONDUIT - GREY RAL 7035

CLASSIFICATION

3321

EN 50086
EN 61386

750N



2J



INSTALLATION

min -5°C

max +60°C



GWT 960°C



EN 60695-2-11



DX 25 216

MEDIUM RIGID CONDUIT - LENGTH: 2 METRES - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 25 216 | 16 | 74/2220 |
| DX 25 220 | 20 | 48/1344 |
| DX 25 225 | 25 | 48/864 |
| DX 25 232 | 32 | 38/532 |



DX 25 316

MEDIUM RIGID CONDUIT - LENGTH: 3 METRES - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 25 316 | 16 | 111/3330 |
| DX 25 320 | 20 | 57/2223 |
| DX 25 325 | 25 | 57/1311 |
| DX 25 332 | 32 | 30/780 |
| DX 25 340 | 40 | 30/540 |
| DX 25 350 | 50 | 15/360 |
| DX 25 363 | 63 | 9/180 |

RKB HEAVY RIGID CONDUIT - GREY RAL 7035

CLASSIFICATION

4321

EN 50086
EN 61386

1250N



2J



INSTALLATION

min -5°C

max +60°C



GWT 960°C



EN 60695-2-11



DX 25 716

HEAVY RIGID CONDUIT - LENGTH: 3 METRES - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 25 716 | 16 | 57/3192 |
| DX 25 720 | 20 | 57/2223 |
| DX 25 725 | 25 | 57/1311 |
| DX 25 732 | 32 | 30/780 |
| DX 25 740 | 40 | 30/540 |
| DX 25 750 | 50 | 15/360 |
| DX 25 763 | 63 | 9/180 |

RKHF HEAVY RIGID CONDUIT, HALOGEN-FREE - GREY RAL 7035

CLASSIFICATION
4 4 2 2
EN 50086
EN 61386



DX 26 216

HEAVY RIGID CONDUIT, 2 METRES LONG, HALOGEN-FREE



| Code | External Ø conduits (mm) | Internal Ø conduits (mm) | Pack Carton |
|-----------|--------------------------|--------------------------|-------------|
| DX 26 216 | 16 | 10.8 | 60/4620 |
| DX 26 220 | 20 | 14.5 | 46/3542 |
| DX 26 225 | 25 | 19.3 | 48/2640 |
| DX 26 232 | 32 | 25.8 | 36/1980 |
| DX 26 240 | 40 | 32.8 | 30/1080 |
| DX 26 250 | 50 | 42.4 | 18/648 |
| DX 26 263 | 63 | 54.6 | 12/420 |

NOTE: to fix the RKHF conduit, you are advised to use collar clip with a distance between clip to clip equal 50 ÷ 60cm.



DX 26 316

HEAVY RIGID CONDUIT, 3 METRES LONG, HALOGEN-FREE



| Code | External Ø conduits (mm) | Internal Ø conduits (mm) | Pack Carton |
|-----------|--------------------------|--------------------------|-------------|
| DX 26 316 | 16 | 10.8 | 87/1827 |
| DX 26 320 | 20 | 14.5 | 69/1449 |
| DX 26 325 | 25 | 19.3 | 60/840 |
| DX 26 332 | 32 | 25.8 | 36/504 |

NOTE: to fix the RKHF conduit, you are advised to use collar clip with a distance between clip to clip equal 50 ÷ 60cm.

ROUTING COMPONENTS

RK UNIONS - GREY RAL 7035



DX 40 016

COUPLING - IP40



| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 40 016 | 16 | 30/300 |
| DX 40 020 | 20 | 30/450 |
| DX 40 025 | 25 | 20/240 |
| DX 40 032 | 32 | 10/100 |
| DX 40 040 | 40 | 5/25 |
| DX 40 050 | 50 | 15 |
| DX 40 063 | 63 | 8 |

NOTE: DX40063 not Halogen Free.



DX 40 116

TIGHT BEND - IP40



| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 40 116 | 16 | 30/300 |
| DX 40 120 | 20 | 30/300 |
| DX 40 125 | 25 | 20/100 |
| DX 40 132 | 32 | 10/50 |
| DX 40 140 | 40 | 5/25 |
| DX 40 150 | 50 | 10 |
| DX 40 163 | 63 | 1 |

NOTE: DX40163 not Halogen Free.



DX 40 216

INSPECTABLE T - IP40

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 40 216 | 16 | 30/120 |
| DX 40 220 | 20 | 30/120 |
| DX 40 225 | 25 | 20/60 |
| DX 40 232 | 32 | 10/30 |



DX 40 316

INSPECTABLE BEND - IP40

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 40 316 | 16 | 30/180 |
| DX 40 320 | 20 | 30/120 |
| DX 40 325 | 25 | 20/60 |
| DX 40 332 | 32 | 10/40 |

MORBIDX UNIONS - GREY RAL 7035



DX 43 016

RELEASE COUPLING - IP67



| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 43 016 | 16 | 10/300 |
| DX 43 020 | 20 | 10/240 |
| DX 43 025 | 25 | 5/150 |
| DX 43 032 | 32 | 5/120 |
| DX 43 040 | 40 | 5/90 |
| DX 43 050 | 50 | 3/54 |



DX 43 116

RELEASE NARROW RADIUS BEND - IP67



| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 43 116 | 16 | 10/100 |
| DX 43 120 | 20 | 10/80 |
| DX 43 125 | 25 | 5/50 |
| DX 43 132 | 32 | 5/30 |
| DX 43 140 | 40 | 5/15 |
| DX 43 150 | 50 | 8 |



DX 43 216

RELEASE CONDUIT-BOX UNION - IP67



| Code | Conduits Ø (mm) | ISO pitch | For holes Ø (mm) | Pack Carton |
|-----------|-----------------|-----------|------------------|-------------|
| DX 43 216 | 16 | M 16x1.5 | 16 | 10/360 |
| DX 43 220 | 20 | M 20x1.5 | 20 | 10/300 |
| DX 43 225 | 25 | M 25x1.5 | 25 | 5/180 |
| DX 43 232 | 32 | M 32x1.5 | 32 | 5/150 |
| DX 43 240 | 40 | M 40x1.5 | 40 | 5/30 |
| DX 43 250 | 50 | M 50x1.5 | 50 | 5/15 |



DX 43 316

RELEASE CONDUIT-SHEATH UNION - IP65



| Code | Conduits Ø (mm) | Sheath Ø (mm) | Pack Carton |
|-----------|-----------------|---------------|-------------|
| DX 43 316 | 16 | 12 | 10/450 |
| DX 43 320 | 20 | 16 | 10/300 |
| DX 43 325 | 25 | 20 | 5/210 |
| DX 43 332 | 32 | 25 | 5/120 |
| DX 43 340 | 40 | 32 | 5/25 |
| DX 43 350 | 50 | 40 | 5/20 |



DX 43 416

RELEASE CONDUIT-SHEATH UNION EQUAL DIAMETER - IP65



| Code | Conduits Ø (mm) | Sheath Ø (mm) | Pack Carton |
|-----------|-----------------|---------------|-------------|
| DX 43 416 | 16 | 16 | 10/360 |
| DX 43 420 | 20 | 20 | 10/240 |
| DX 43 425 | 25 | 25 | 5/150 |
| DX 43 432 | 32 | 28 | 5/40 |
| DX 43 440 | 40 | 40 | 5/20 |

USE: coupling of a solid protective conduit with a spiral sheath of the DIFLEX range; allows the maintenance of the same internal diameter in line with the joint; the internal section for cable passage remains constant, increasing the space available for the system wires.



DX 43 516

LA SVOLTA CONDUIT-CONDUIT UNION - IP65

| Code | Conduits Ø (mm) | Working length (mm) | Pack Carton |
|-----------|-----------------|---------------------|-------------|
| DX 43 516 | 16 | 110 | 60 |
| DX 43 520 | 20 | 132 | 40 |
| DX 43 525 | 25 | 209 | 20 |
| DX 43 532 | 32 | 301 | 20 |
| DX 43 540 | 40 | 302 | 12 |
| DX 43 550 | 50 | 311 | 9 |

SPEEDY-FLEX COUPLINGS - GREY RAL 7035



GW 50 201

WATERTIGHT FLEXIBLE COUPLINGS - IP66

| Code | For external conduits (mm) | External Ø (mm) | Internal Ø (mm) | Length (mm) | Pack Carton |
|-----------|----------------------------|-----------------|-----------------|-------------|-------------|
| GW 50 201 | 16 | 27 | 13 | 140 | 20/60 |
| GW 50 202 | 20 | 31.5 | 17 | 160 | 20/120 |
| GW 50 203 | 25 | 41 | 21.5 | 205 | 10/40 |
| GW 50 204 | 32 | 55 | 28 | 290 | 10/60 |
| GW 50 205 | 40 | 65 | 35.5 | 400 | 6/30 |
| GW 50 206 | 50 | 72 | 44.5 | 515 | 6/36 |

CHARACTERISTICS: multifunctional couplings allowing the realisation of 0-90° variable angle curves and misaligned conduit-conduit couplings.



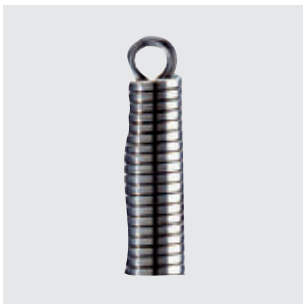
GW 50 210

PROTECTED FLEXIBLE COUPLINGS - IP44

| Code | For external conduits (mm) | External Ø (mm) | Internal Ø (mm) | Length (mm) | Pack Carton |
|-----------|----------------------------|-----------------|-----------------|-------------|-------------|
| GW 50 207 | 16 | 24 | 13 | 135 | 20/60 |
| GW 50 208 | 20 | 30 | 17 | 160 | 20/120 |
| GW 50 209 | 25 | 35 | 21.5 | 205 | 20/120 |
| GW 50 210 | 32 | 45 | 28 | 280 | 10/20 |
| GW 50 211 | 40 | 55 | 35.5 | 400 | 6/30 |
| GW 50 212 | 50 | 65 | 44.5 | 515 | 6/36 |

CHARACTERISTICS: multifunctional couplings allowing the realisation of 0-90° variable angle curves and misaligned conduit-conduit couplings.

ACCESSORIES



DX 51 416

CONDUIT-BENDING SPRING FOR RK15

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 51 416 | 16 | 1/10 |
| DX 51 420 | 20 | 1/10 |
| DX 51 425 | 25 | 1/5 |
| DX 51 432 | 32 | 1/5 |
| DX 51 440 | 40 | 1 |
| DX 51 450 | 50 | 1 |

USE: for cold bending rigid conduits.

MATERIAL: special galvanised steel square wire mesh.



DX 51 316

CONDUIT-BENDING SPRING FOR RKB

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 51 316 | 16 | 1/10 |
| DX 51 320 | 20 | 1/10 |
| DX 51 325 | 25 | 1/5 |

USE: for cold bending rigid conduits.

MATERIAL: special galvanised steel square wire mesh.



DX 51 600

CONDUIT CUTTER

| Code | Description | Pack Carton |
|-----------|----------------|-------------|
| DX 51 600 | Conduit cutter | 1/5 |

JUNCTION BOXES

TRIX - GREY RAL 7035



DX 45 003

TRIX BOX - IP54



| Code | Description | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|--------------|--------------------------|----------------|
| DX 45 003 | TX3-3 inputs | 87x64x53 | 3/15 |

NOTES: Without coupling devices and without caps.

QUADRIX - GREY RAL 7035



DX 45 004

QUADRIX BOX - IP54



| Code | Description | Accessories supplied | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|----------------|----------------------|--------------------------|----------------|
| DX 45 004 | QX4-4 inputs | 1 cap | 100x106x53 | 5/60 |
| DX 45 007 | QX7-7 inputs | 3 caps | 106x106x53 | 5/60 |
| DX 45 010 | QX10-10 inputs | 4 caps | 140x140x53 | 1/16 |

NOTE: Without coupling devices.

COUPLINGS AND ACCESSORIES - GREY RAL 7035



DX 47 616

TRIX/QUADRIX-CONDUIT MORBIDX UNION



| Code | Conduits Ø (mm) | Pack Carton |
|-----------|--------------------|----------------|
| DX 47 616 | 16 | 10/390 |
| DX 47 620 | 20 | 10/360 |
| DX 47 625 | 25 | 10/300 |



DX 47 212

SHEATH-TRIX/QUADRIX UNION



| Code | Sheath Ø (mm) | Pack Carton |
|-----------|------------------|----------------|
| DX 47 212 | 12 | 10/450 |
| DX 47 216 | 16 | 10/450 |
| DX 47 220 | 20 | 10/390 |



DX 47 503

CABLE - TRIX/QUADRIX CABLE GLAND UNION

| <div><div><div>HF</div><div>EN 60754-2</div></div></div> | | |
|--|----------------------|----------------|
| Code | For cables Ø (mm) | Pack Carton |
| DX 47 503 | 3-6 | 10/300 |
| DX 47 506 | 6-9 | 10/300 |
| DX 47 509 | 9-12 | 10/300 |



DX 47 000

CLOSURE CAP

| <div><div><div>HF</div><div>EN 60754-2</div></div></div> | | |
|--|-------------|----------------|
| Code | Description | Pack Carton |
| DX 47 000 | Closing Cap | 50/450 |



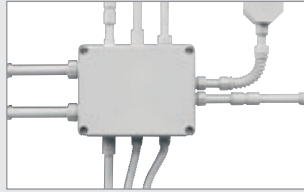
DX 47 001

BOX-BOX COUPLING

| <div><div><div>HF</div><div>EN 60754-2</div></div></div> | | |
|--|----------------------|----------------|
| Code | Description | Pack Carton |
| DX 47 001 | Box-box pipe-fitting | 20/60 |



FOR ANY INSTALLATION REQUIREMENT



The RK15 (3321 classification), RKB (4321 classification) and RKHF (4422 classification) ranges, available in seven sizes from Ø16 to Ø63 mm, and the specific routing items, allow the creation of rigid protective conduit systems in any type of environment and for any installation type.

A SIMPLE, RELIABLE SYSTEM



The MORBIDX quick coupling system enables the creation of exposed systems with an IP65 and IP67 degree of protection, considerably reducing installation times. The perfect adhesion of the O-ring material ensures a tight grip on the conduit even in a vertical position or if the conduit is not cut perfectly to size.

HALOGEN-FREE RANGE



The RKHF conduits and the range of couplings can be used to create halogen-free systems. The ideal solution for installations in public places with a high concentration of people, thanks to the reduced toxic emissions and less dense smoke in the event of a fire.

RIGID CONDUITS

RK 15 medium conduit

GENERAL CHARACTERISTIC

| | |
|---|--|
| Name: RK15 | Application field: electrical systems and/or data transmission for all types of environment. |
| Colour: RAL 7035 grey | Installation type: mainly exposed on walls and ceilings. |
| Material: PVC | Suitable for applications inside false ceilings and floating floors. |
| Length supplied: 2 and 3 metre strips (±0.5%) | Flush-mounted in floors, walls and/or ceilings. |
| Standard: EN61386-1; EN 61386-21 | |

| Characteristic according to IEC/EN 61386-21 | | Classification code |
|---|--|---------------------|
| Resistance to compression: | Medium - 750 N | 3 |
| Resistance to impact: | Medium - 2 J | 3 |
| Lower temperature range: | -5 °C | 2 |
| Upper temperature range: | +60 °C | 1 |
| Resistance to bending: | Rigid | 1 |
| Electrical characteristics: | With electrical insulating characteristics | 2 |
| Protection against ingress of solid objects | | |
| Without accessories: | | - |
| With accessories: | | 4 / 6 * |
| Protection against ingress of water | | |
| Without accessories: | | 0 |
| With accessories: | | 0 / 5 / 7 * |
| Resistance against corrosion: | Not applicable to plastic conduit systems | - |
| Tensile strength: | None declared | 0 |
| Resistance to flame propagation: | Non-flame propagating | 1 |
| Suspended load capacity: | Not applicable | 0 |
| Insulation resistance: > 100 MΩ at 500 V for 1 minute | | |
| Dielectric rigidity: 2000 V for 15 minutes | | |

* The IP degree of protection depends on the type of accessories used.

RKB heavy conduit

| GENERAL CHARACTERISTIC | |
|---|--|
| Name: RKB | Application field: electrical systems and/or data transmission for all types of environment. |
| Colour: RAL 7035 grey | Installation type: mainly exposed on walls and ceilings. |
| Material: PVC | Suitable for applications inside false ceilings and floating floors. |
| Length supplied: 3 metre strips (±0.5%) | Flush-mounted in floors, walls and/or ceilings. |
| Standard: EN61386-1; EN 61386-21 | |

| Characteristic according to IEC/EN 61386-21 | | Classification code |
|---|--|---------------------|
| Resistance to compression: | Heavy - 1250 N | 4 |
| Resistance to impact: | Medium - 2 J | 3 |
| Lower temperature range: | -5 °C | 2 |
| Upper temperature range: | +60 °C | 1 |
| Resistance to bending: | Rigid | 1 |
| Electrical characteristics: | With electrical insulating characteristics | 2 |
| Protection against ingress of solid objects | | |
| | Without accessories: | - |
| | With accessories: | 4 / 6 * |
| Protection against ingress of water | | |
| | Without accessories: | 0 |
| | With accessories: | 0 / 5 / 7 * |
| Resistance against corrosion: | Not applicable to plastic conduit systems | - |
| Tensile strength: | None declared | 0 |
| Resistance to flame propagation: | Non-flame propagating | 1 |
| Suspended load capacity: | Not applicable | 0 |
| Insulation resistance: > 100 MΩ at 500 V for 1 minute | | |
| Dielectric rigidity: 2000 V for 15 minutes | | |

* The IP degree of protection depends on the type of accessories used.

RKHF heavy conduit

| GENERAL CHARACTERISTIC | |
|---|--|
| Name: RKHF | Application field: electrical systems and/or data transmission for all types of environment. Particularly suitable for installations in public places: schools, cinemas, theatres, trains, underground systems, etc. |
| Colour: RAL 7035 grey | Installation type: mainly exposed on walls and ceilings. Suitable for applications inside false ceilings and floating floors. Flush-mounted in floors, walls and/or ceilings. |
| Material: halogen-free in compliance with CEI EN 60754-2 (CEI EN 50267-2-2) | |
| Length supplied: 2 metre strips (±0.5%) | |
| Standard: EN61386-1; EN 61386-21 | |

| Characteristic according to IEC/EN 61386-21 | | Classification code |
|---|--|---------------------|
| Resistance to compression: | Heavy - 1250 N | 4 |
| Resistance to impact: | Heavy - 6 J | 4 |
| Lower temperature range: | -5 °C | 2 |
| Upper temperature range: | +90 °C | 2 |
| Resistance to bending: | Rigid | 1 |
| Electrical characteristics: | With electrical insulating characteristics | 2 |
| Protection against ingress of solid objects | | |
| | Without accessories: | - |
| | With accessories: | 4 / 6 * |
| Protection against ingress of water | | |
| | Without accessories: | 0 |
| | With accessories: | 0 / 5 / 7 * |
| Resistance against corrosion: | Not applicable to plastic conduit systems | - |
| Tensile strength: | None declared | 0 |
| Resistance to flame propagation: | Non-flame propagating | 1 |
| Suspended load capacity: | Not applicable | 0 |
| Insulation resistance: > 100 MΩ at 500 V for 1 minute | | |
| Dielectric rigidity: 2000 V for 15 minutes | | |

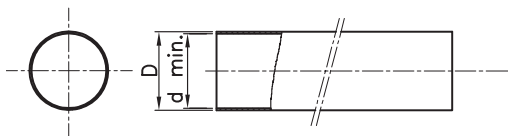
* The IP degree of protection depends on the type of accessories used.

NOTE: To fix the RKHF it is suggested to use the support for diam. 50 and 60 cm

Dimension tables

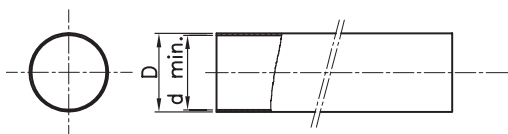
RK 15 - TUBO RIGIDO MEDIO

RK15/IRL - MEDIUM RIGID CONDUIT



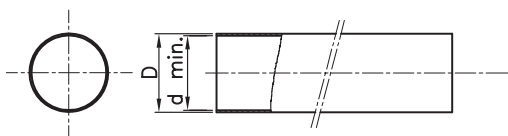
| Code 2m | Code 3m | Ø tubi (mm) | D | | d. min |
|-----------|-----------|-------------|----|------------|--------|
| DX 25 216 | DX 25 316 | 16 | 16 | 0 - 0.3 | 13 |
| DX 25 220 | DX 25 320 | 20 | 20 | 0 - 0.3 | 16.9 |
| DX 25 225 | DX 25 325 | 25 | 25 | 0 - 0.4 | 21.4 |
| DX 25 232 | DX 25 332 | 32 | 32 | 0 - 0.4 | 27.8 |
| | DX 25 340 | 40 | 40 | 0 - 0.4 | 35.4 |
| | DX 25 350 | 50 | 50 | 0 - 0.5 | 44.3 |
| | DX 25 363 | 63 | 63 | 0 - 0.6 | 55 |

RKB HEAVY RIGID CONDUIT

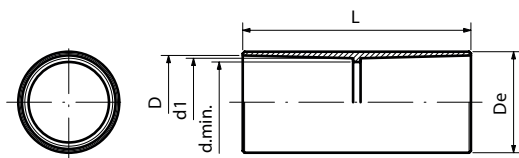


| Code 2m | Code 3m | conduit Ø (mm) | D | | d. min |
|-----------|-----------|----------------|----|------------|--------|
| DX 25 616 | DX 25 716 | 16 | 16 | 0 - 0.3 | 11.2 |
| DX 25 620 | DX 25 720 | 20 | 20 | 0 - 0.3 | 15.4 |
| DX 25 625 | DX 25 725 | 25 | 25 | 0 - 0.4 | 19.5 |
| DX 25 632 | DX 25 732 | 32 | 32 | 0 - 0.4 | 26.8 |
| | DX 25 740 | 40 | 40 | 0 - 0.4 | 33.3 |
| | DX 25 750 | 50 | 50 | 0 - 0.5 | 42.7 |
| | DX 25 763 | 63 | 63 | 0 - 0.6 | 56.6 |

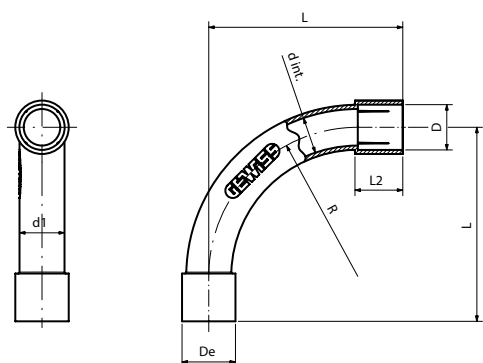
RKHF - HEAVY RIGID CONDUIT, HALOGEN-FREE



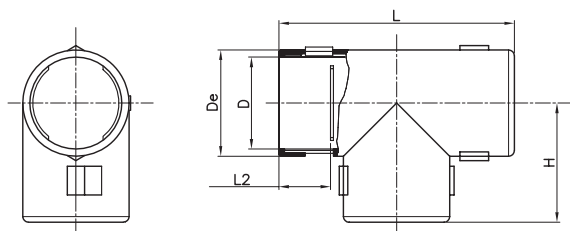
| Code 2m | Code 3m | conduit Ø (mm) | D | | d. min |
|-----------|-----------|----------------|----|------------|--------|
| DX 26 216 | DX 26 316 | 16 | 16 | 0 - 0.3 | 10.8 |
| DX 26 220 | DX 26 320 | 20 | 20 | 0 - 0.3 | 14.5 |
| DX 26 225 | DX 26 325 | 25 | 25 | 0 - 0.4 | 19.3 |
| DX 26 232 | DX 26 332 | 32 | 32 | 0 - 0.4 | 25.8 |
| DX 26 240 | | 40 | 40 | 0 - 0.4 | 32.8 |
| DX 26 250 | | 50 | 50 | 0 - 0.5 | 42.4 |
| DX 26 263 | | 63 | 63 | 0 - 0.6 | 54.6 |

COUPLING - IP40


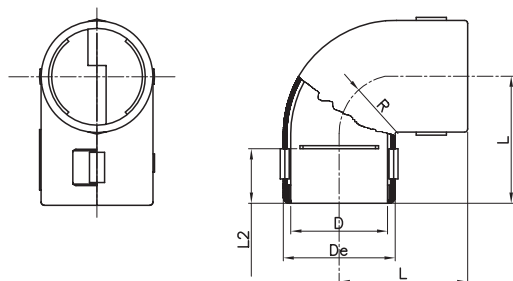
| Code | For conduits Ø (mm) | D | De | d. min | d1 | L |
|------------------|------------------------|------|----|--------|------|-------|
| DX 40 016 | 16 | 16.2 | 20 | 14.5 | 16 | 80 |
| DX 40 020 | 20 | 20.2 | 24 | 17.8 | 19.7 | 81 |
| DX 40 025 | 25 | 25.3 | 29 | 23.1 | 24.9 | 81 |
| DX 40 032 | 32 | 32.3 | 37 | 29.5 | 31.7 | 102 |
| DX 40 040 | 40 | 40.3 | 45 | 37.4 | 39.7 | 111.5 |
| DX 40 050 | 50 | 50.3 | 55 | 46.7 | 49.7 | 122 |
| DX 40 063 | 63 | 63.3 | 68 | 60 | 62.7 | 130 |

TIGHT BEND - IP40


| Code | For conduits Ø (mm) | D | | De | d. min | D1 | | R | L2 | L |
|-----------|------------------------|------|-----------|----|--------|----|------------|-----|----|-----|
| DX 40 116 | 16 | 16.1 | +0.2 0 | 19 | 13 | 16 | 0 - 0.3 | 53 | 17 | 64 |
| DX 40 120 | 20 | 20.1 | +0.2 0 | 23 | 17 | 20 | 0 - 0.3 | 65 | 20 | 79 |
| DX 40 125 | 25 | 25.1 | +0.3 0 | 28 | 22 | 25 | 0 - 0.4 | 80 | 28 | 100 |
| DX 40 132 | 32 | 32.1 | +0.3 0 | 35 | 29 | 32 | 0 - 0.4 | 95 | 32 | 110 |
| DX 40 140 | 40 | 40.1 | +0.4 0 | 44 | 36 | 40 | 0 - 0.4 | 120 | 40 | 138 |
| DX 40 150 | 50 | 50.1 | +0.4 0 | 54 | 46 | 50 | 0 - 0.5 | 140 | 50 | 173 |
| DX 40 163 | 63 | 63.1 | +0.6 0 | 68 | 55 | 63 | 0 - 0.6 | 157 | 63 | 253 |

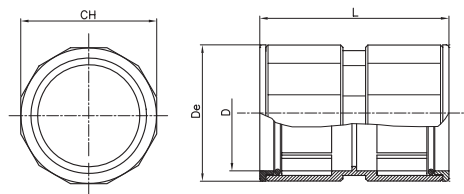
INSPECTABLE T - IP40


| Code | For conduits Ø (mm) | D | De | L | H | L2 |
|------------------|------------------------|------|------|------|-------|------|
| DX 40 216 | 16 | 16.1 | 20 | 65 | 32.5 | 17 |
| DX 40 220 | 20 | 20.1 | 24.5 | 70.5 | 35.25 | 17.5 |
| DX 40 225 | 25 | 25.1 | 30 | 75.5 | 37.75 | 18.5 |
| DX 40 232 | 32 | 32.1 | 37 | 82.3 | 41.15 | 18.5 |

INSPECTABLE BEND - IP40


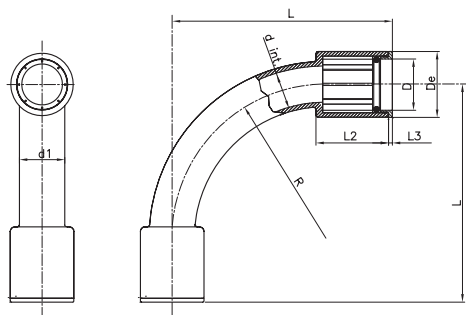
| Code | For conduits Ø (mm) | D | De | L | R | L2 |
|------------------|------------------------|------|------|----|----|----|
| DX 40 316 | 16 | 16.1 | 20 | 32 | 11 | 17 |
| DX 40 320 | 20 | 20.1 | 24.5 | 33 | 14 | 17 |
| DX 40 325 | 25 | 25.1 | 30 | 39 | 18 | 18 |
| DX 40 332 | 32 | 32.1 | 37 | 42 | 22 | 18 |

RELEASE COUPLING MORBIDX® - IP67



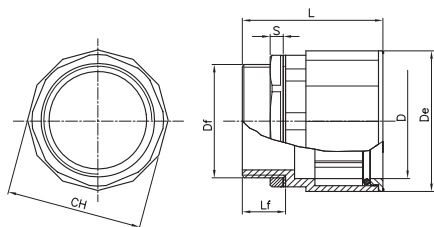
| Code | For conduits Ø (mm) | D | De | L | CH |
|-----------|------------------------|------|------|------|----|
| DX 43 016 | 16 | 16.3 | 25 | 77.6 | 25 |
| DX 43 020 | 20 | 20.3 | 28.8 | 79 | 29 |
| DX 43 025 | 25 | 25.4 | 33.4 | 79 | 34 |
| DX 43 032 | 32 | 32.5 | 39.9 | 78.6 | 42 |
| DX 43 040 | 40 | 40.7 | 48.7 | 81.6 | 49 |
| DX 43 050 | 50 | 50.6 | 59.2 | 81.6 | 60 |

RELEASE NARROW RADIUS BEND MORBIDX® - IP67



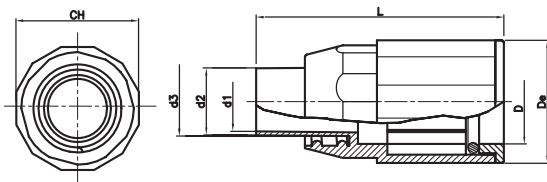
| Code | For conduits Ø (mm) | D | De | d int. | d1 | L | R | L2 | L3 |
|-----------|------------------------|------|------|--------|----|-------|-----|----|-----|
| DX 43 116 | 16 | 16.3 | 25 | 12 | 16 | 78.8 | 58 | 32 | 1.8 |
| DX 43 120 | 20 | 20.3 | 28.8 | 16 | 20 | 89 | 68 | 32 | 2 |
| DX 43 125 | 25 | 25.4 | 33.4 | 21 | 25 | 109 | 88 | 32 | 2 |
| DX 43 132 | 32 | 32.5 | 39.9 | 28 | 32 | 111.8 | 98 | 32 | 1.8 |
| DX 43 140 | 40 | 40.7 | 48.7 | 36 | 40 | 137.8 | 120 | 40 | 1.8 |
| DX 43 150 | 50 | 50.6 | 59.2 | 46 | 50 | 151.8 | 150 | 50 | 1.8 |

RELEASE CONDUIT MORBIDX® - BOX UNION - IP67



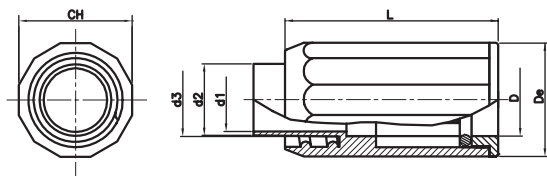
| Code | For conduits Ø (mm) | D | De | L | CH | Df | Lf | S nut | CH nut |
|-----------|------------------------|------|------|------|----|---------|----|-------|--------|
| DX 43 216 | 16 | 16.3 | 25 | 51.8 | 25 | M16x1.5 | 11 | 7 | 22 |
| DX 43 220 | 20 | 20.3 | 28.8 | 53 | 29 | M20x1.5 | 12 | 7 | 27 |
| DX 43 225 | 25 | 25.4 | 33.4 | 57 | 34 | M25x1.5 | 16 | 8 | 32 |
| DX 43 232 | 32 | 32.5 | 39.9 | 55.8 | 42 | M32x1.5 | 15 | 8 | 40 |
| DX 43 240 | 40 | 40.7 | 48.7 | 59.8 | 50 | M40x1.5 | 17 | 9 | 47 |
| DX 43 250 | 50 | 50.6 | 59.2 | 61.3 | 60 | M50x1.5 | 19 | 9 | 57 |

RELEASE CONDUIT MORBIDX® - SHEATH UNION - IP65



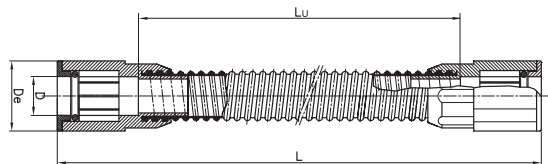
| Code | For conduits Ø (mm) | D | De | d1 | d2 | d3 | L | CH |
|-----------|------------------------|------|------|------|----|------|------|----|
| DX 43 316 | 16 | 16.3 | 25 | 10.5 | 16 | 12.2 | 54.8 | 25 |
| DX 43 320 | 20 | 20.3 | 28.8 | 14.5 | 20 | 16.2 | 58 | 29 |
| DX 43 325 | 25 | 25.4 | 33.4 | 18.5 | 25 | 20.2 | 64 | 34 |
| DX 43 332 | 32 | 32.5 | 39.9 | 23.5 | 32 | 25 | 69.8 | 42 |
| DX 43 340 | 40 | 40.7 | 48.7 | 30 | 40 | 32.2 | 74.8 | 52 |
| DX 43 350 | 50 | 50.6 | 59.2 | 38 | 50 | 40.2 | 81.8 | 60 |

RELEASE CONDUIT MORBIDX® - SHEATH UNION EQUAL DIAMETER - IP65



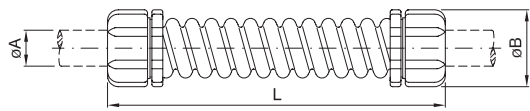
| Code | For conduits Ø (mm) | D | De | d1 | d2 | d3 | L | CH |
|-----------|------------------------|------|------|------|------|----|------|----|
| DX 43 416 | 16 | 16.3 | 25 | 14 | 15.8 | 16 | 57.8 | 26 |
| DX 43 420 | 20 | 20.3 | 28.8 | 18 | 19.8 | 20 | 64 | 30 |
| DX 43 425 | 25 | 25.4 | 33.4 | 22.5 | 24.8 | 25 | 70 | 34 |
| DX 43 432 | 32 | 32.5 | 39.9 | 30 | 31.8 | 32 | 71.8 | 45 |
| DX 43 440 | 40 | 40.7 | 48.7 | 38 | 39.8 | 40 | 81.8 | 54 |

LA SVOLTA CONDUIT-CONDUIT UNION MORBIDX® - IP65



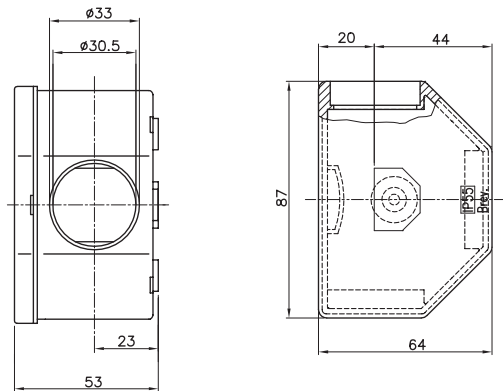
| Code | For conduits Ø (mm) | D | De | Lu | L |
|-----------|------------------------|------|------|-----|-----|
| DX 43 516 | 16 | 16.3 | 25 | 110 | 178 |
| DX 43 520 | 20 | 20.3 | 28.8 | 132 | 200 |
| DX 43 525 | 25 | 25.4 | 33.4 | 209 | 285 |
| DX 43 532 | 32 | 32.5 | 39.9 | 301 | 378 |
| DX 43 540 | 40 | 40.7 | 48.7 | 302 | 383 |
| DX 43 550 | 50 | 50.6 | 59.2 | 311 | 388 |

50 AC RANGE - IP 44 - IP 66 SPEEDY-FLEX COUPLINGS

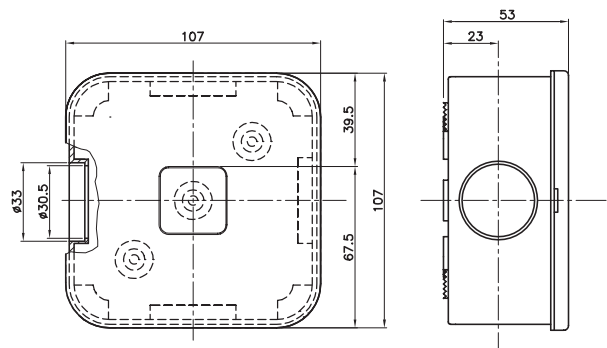


| Code | Ø A (mm) | Ø B (mm) | L | Code | Ø A (mm) | Ø B (mm) | L |
|-----------|----------|----------|-----|-----------|----------|----------|-----|
| GW 50 201 | 16 | 27 | 140 | GW 50 207 | 16 | 24 | 135 |
| GW 50 202 | 20 | 31.5 | 160 | GW 50 208 | 20 | 30 | 160 |
| GW 50 203 | 25 | 41 | 205 | GW 50 209 | 25 | 35 | 205 |
| GW 50 204 | 32 | 55 | 290 | GW 50 210 | 32 | 45 | 280 |
| GW 50 205 | 40 | 65 | 400 | GW 50 211 | 40 | 55 | 400 |
| GW 50 206 | 50 | 72 | 515 | GW 50 212 | 50 | 65 | 515 |

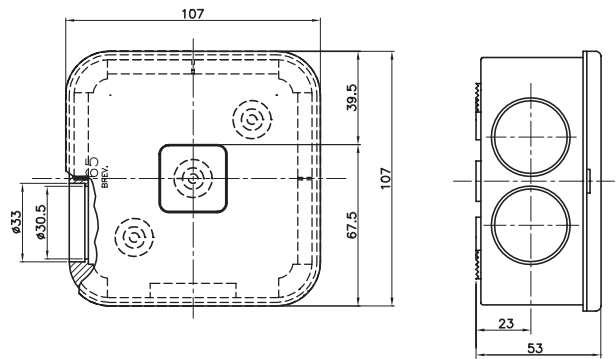
TRIX® - THREE-INPUT BOX



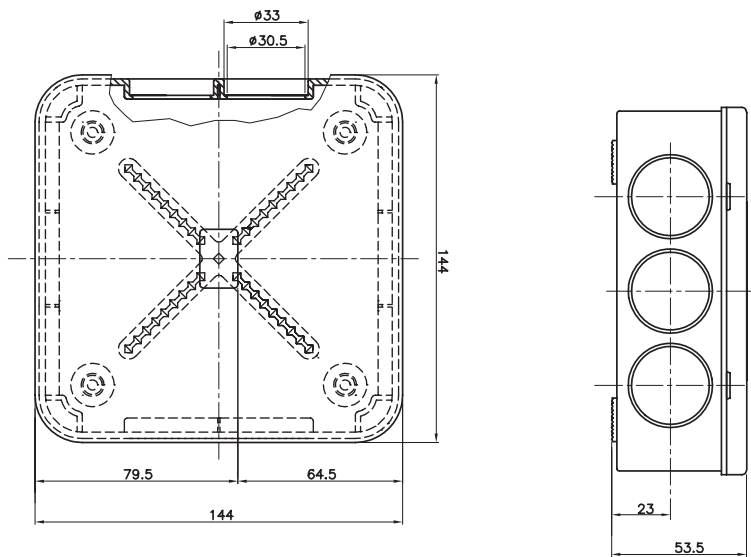
QUADRIX® - FOUR-INPUT BOX



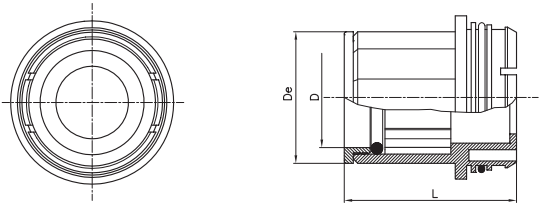
QUADRIX® - SEVEN-INPUT BOX



QUADRIX® - TEN-INPUT BOX

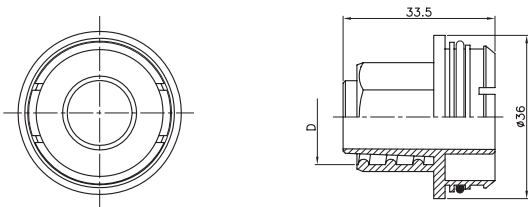


TRIX®/QUADRIX® - CONDUIT MORBIDX® UNION



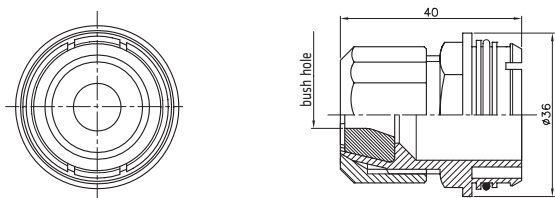
| Code | For conduits Ø (mm) | D | De | L |
|-----------|------------------------|------|------|------|
| DX 47 616 | 16 | 16.3 | 25 | 37.8 |
| DX 47 620 | 20 | 20.3 | 28.8 | 38 |
| DX 47 625 | 25 | 25.4 | 33.4 | 38 |

SHEATH-TRIX®/QUADRIX® UNION



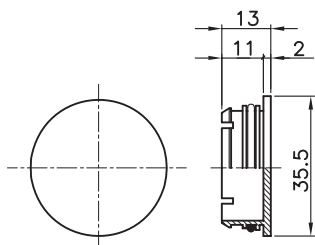
| Code | For sheaths Ø (mm) | D |
|-----------|-----------------------|------|
| DX 47 212 | 12 | 16.4 |
| DX 47 216 | 16 | 20.8 |
| DX 47 220 | 20 | 26 |

CABLE - TRIX®/QUADRIX® CABLE GLAND UNION

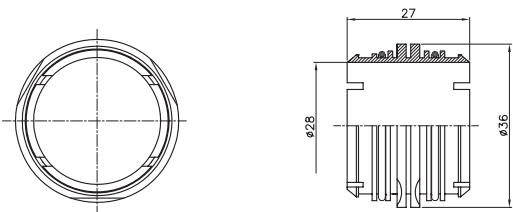








| Code | cablе Ø (mm) | Bush hole |
|-----------|------------------|-----------|
| DX 47 503 | from Ø 3 to Ø 6 | Ø 6 |
| DX 47 506 | from Ø 6 to Ø 9 | Ø 9 |
| DX 47 509 | from Ø 9 to Ø 12 | Ø 12 |




CLOSURE CAP - CODE DX 47 000










BOX-BOX - COUPLING - CODE DX 47 001






| Ø CONDUITS (mm) | FK 15 RANGE PLIABLE CONDUIT | | | | | |
|--------------------|---|---|---|--|---|---|
| | White | | Black | | Green | |
| |  |  with probe |  |  with probe |  |  with probe |
| 16 | DX 16 216 | DX 16 316 | DX 15 016 | DX 15 116 | DX 15 216 | DX 15 316 |
| 20 | DX 16 220 | DX 16 320 | DX 15 020 | DX 15 120 | DX 15 220 | DX 15 320 |
| 25 | DX 16 225 | DX 16 325 | DX 15 025 | DX 15 125 | DX 15 225 | DX 15 325 |
| 32 | DX 16 232 | DX 16 332 | DX 15 032 | DX 15 132 | DX 15 232 | DX 15 332 |
| 40 | DX 16 240 | DX 16 340 | DX 15 040 | DX 15 140 | DX 15 240 | |
| 50 | DX 16 250 | DX 16 350 | DX 15 050 | DX 15 150 | DX 15 250 | |
| 63 | DX 16 263 | DX 16 363 | DX 15 063 | DX 15 163 | | |

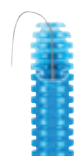
| Ø CONDUITS (mm) | COEXTRUDED PLIABLE CONDUIT RANGE FKCO | | |
|--------------------|---|---|---|
| | White | Black | Green |
| |  |  |  |
| 20 | DX 16 220 C | DX 15 020 C | DX 15 220 C |
| 25 | DX 16 225 C | DX 15 025 C | DX 15 225 C |
| 32 | DX 16 232 C | DX 15 032 C | DX 15 232 C |
| 40 | DX 16 240 C | DX 15 040 C | DX 15 240 C |

| Ø CONDUITS (mm) | HALOGEN-FREE SELF-RECOVERING PLIABLE CONDUITS - ICTA RANGE | | | | | |
|--------------------|---|---|---|--|---|---|
| | Grey | | Dark grey | | Green | |
| |  |  with probe |  |  with probe |  |  with probe |
| 16 | DX 20 016 | DX 20 116 | DX 20 416 | DX 20 516 | DX 22 016 | DX 22 116 |
| 20 | DX 20 020 | DX 20 120 | DX 20 420 | DX 20 520 | DX 22 020 | DX 22 120 |
| 25 | DX 20 025 | DX 20 125 | DX 20 425 | DX 20 525 | DX 22 025 | DX 22 125 |
| 32 | DX 20 032 | DX 20 132 | DX 20 432 | DX 20 532 | DX 22 032 | DX 22 132 |
| 40 | DX 20 040 | DX 20 140 | DX 20 440 | DX 20 540 | DX 22 040 | DX 22 140 |
| 50 | DX 20 050 | DX 20 150 | DX 20 450 | DX 20 550 | DX 22 050 | DX 22 150 |
| 63 | DX 20 063 | DX 20 163 | DX 20 463 | DX 20 563 | DX 22 063 | DX 22 163 |

| CABLE PULLER PROBES | | | | |
|---------------------|---|--------------|---------------|-----------|
| |  | | | |
| | Probe Ø 3 mm | Probe Ø 4 mm | | |
| Length (m) | | | Flexible head | Tail ring |
| 5 | DX 52 205 | DX 52 305 | DX 52 299 | DX 52 399 |
| 10 | DX 52 210 | DX 52 310 | DX 52 299 | DX 52 399 |
| 15 | DX 52 215 | DX 52 315 | DX 52 299 | DX 52 399 |
| 20 | DX 52 220 | DX 52 320 | DX 52 299 | DX 52 399 |
| 25 | DX 52 225 | DX 52 325 | DX 52 299 | DX 52 399 |

In bold: halogen-free material versions

| COMPONENTS | | |
|---|---|---|
|  |  |  |
| Coupling | Cap | Conduit-box coupling device |
| DX 52 016 | DX 52 116 | GW 50 415 |
| DX 52 020 | DX 52 120 | GW 50 416 |
| DX 52 025 | DX 52 125 | GW 50 417 |
| DX 52 032 | DX 52 132 | GW 50 418 |
| DX 52 040 | DX 52 140 | GW 50 419 |
| DX 52 050 | DX 52 150 | GW 50 420 |
| DX 52 063 | DX 52 163 | |

FK 15 RANGE PLIABLE CONDUIT
Light blue


with probe

Brown


with probe

Lilac


with probe

DX 15 416

DX 15 516

DX 15 616

DX 15 716

DX 15 816

DX 15 916

DX 15 420

DX 15 520

DX 15 620

DX 15 720

DX 15 820

DX 15 920

DX 15 425

DX 15 525

DX 15 625

DX 15 725

DX 15 825

DX 15 925

DX 15 432

DX 15 532

DX 15 632

DX 15 732

DX 15 832

DX 15 932

DX 15 440

DX 15 640

DX 15 840

DX 15 450

DX 15 650

DX 15 850

Light blue

Brown

Lilac


DX 15 420 C

DX 15 620 C

DX 15 820 C

DX 15 425 C

DX 15 625 C

DX 15 825 C

DX 15 432 C

DX 15 632 C

DX 15 832 C

DX 15 440 C

DX 15 640 C

DX 15 840 C

**FKHF RANGE HALOGEN-FREE
SELF-RECOVERING PLIABLE CONDUITS**
Light blue


with probe

**Ø CONDUITS
(mm)**
Grey


with probe

DX 23 016

DX 23 116

16

DX 23 216

DX 23 316

DX 23 020

DX 23 120

20

DX 23 220

DX 23 320

DX 23 025

DX 23 125

25

DX 23 225

DX 23 325

DX 23 032

DX 23 132

32

DX 23 232

DX 23 332

DX 23 040

DX 23 140

40

DX 23 240

DX 23 340

DX 23 050

DX 23 150

50

DX 23 250

DX 23 350

DX 23 063

DX 23 163

63

DX 23 263

DX 23 363

Pliable protective conduit systems

System of protective corrugated pipes for concealed installation, available in two materials: PVC and polypropylene and in different colours for easy identification of the lines according to normative recommendations. The pallets are protected with white stretch film to prevent exposure of the coils to UV rays and ensure at the same time a greater resistance to weathering and improved preservation during external storage.



Technical characteristics page 1456

ARCOBALENO SELF-EXTINGUISHING PLIABLE CONDUITS

CLASSIFICATION

33212

EN 50086
EN 61386

750N

2J

INSTALLATION

min -5°C max +60°C

GWT 960°C

EN 60695-2-11

FK15 MEDIUM PLIABLE CONDUIT

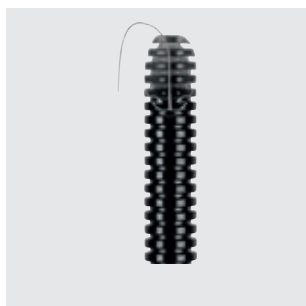


DX 16 216

MEDIUM NATURAL WHITE PLIABLE CONDUIT - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|----------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 16 216 | 16 | 100/5600 |
| DX 16 220 | 20 | 100/4800 |
| DX 16 225 | 25 | 50/2400 |
| DX 16 232 | 32 | 25/1300 |
| DX 16 240 | 40 | 25/500 |
| DX 16 250 | 50 | 25/400 |
| DX 16 263 | 63 | 20/400 |
| Type: with cable puller | | |
| DX 16 316 | 16 | 100/5600 |
| DX 16 320 | 20 | 100/4800 |
| DX 16 325 | 25 | 50/2400 |
| DX 16 332 | 32 | 25/1300 |
| DX 16 340 | 40 | 25/500 |
| DX 16 350 | 50 | 25/400 |
| DX 16 363 | 63 | 20/400 |

USE: natural white is recommended for the identification of the co-axial computer cables.
The cable puller-feeder allows the wires to be pulled easily.
Conformity to standards refers to the protective conduit and not to the cable puller-feeder. Do not expose the conduits to direct solar irradiation for long periods.
NOTE: refer to technical data sheet for the internal diameter.



DX 15 116

MEDIUM BLACK PLIABLE CONDUIT - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 15 016 | 16 | 100/5600 |
| DX 15 020 | 20 | 100/4800 |
| DX 15 025 | 25 | 50/2400 |
| DX 15 032 | 32 | 25/1300 |
| DX 15 040 | 40 | 25/500 |
| DX 15 050 | 50 | 25/400 |
| DX 15 063 | 63 | 20/400 |
| Type: with cable puller | | |
| DX 15 116 | 16 | 100/5600 |
| DX 15 120 | 20 | 100/4800 |
| DX 15 125 | 25 | 50/2400 |
| DX 15 132 | 32 | 25/1300 |
| DX 15 140 | 40 | 25/500 |
| DX 15 150 | 50 | 25/400 |
| DX 15 163 | 63 | 20/400 |

USE: black is recommended for the identification of the distribution and force lines.

The cable puller-feeder allows the wires to be pulled easily.

Conformity to standards refers to the protective conduit and not to the cable puller-feeder. Do not expose the conduits to direct solar irradiation for long periods.

NOTE: refer to technical data sheet for the internal diameter.



DX 15 216

MEDIUM GREEN PLIABLE CONDUIT - PVC

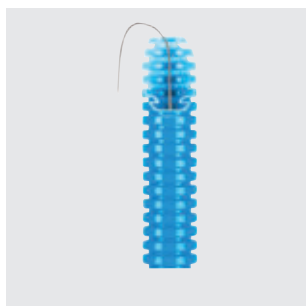
| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 15 216 | 16 | 100/2400 |
| DX 15 220 | 20 | 100/2000 |
| DX 15 225 | 25 | 50/1000 |
| DX 15 232 | 32 | 25/600 |
| DX 15 240 | 40 | 25/500 |
| DX 15 250 | 50 | 25/400 |
| Type: with cable puller | | |
| DX 15 316 | 16 | 100/2400 |
| DX 15 320 | 20 | 100/2000 |
| DX 15 325 | 25 | 50/1000 |
| DX 15 332 | 32 | 25/600 |

USE: the green colour is recommended for identifying the telephone lines, BUS lines and domestic automation lines.

The cable puller-feeder allows the wires to be pulled easily.

Conformity to standards refers to the protective conduit and not to the cable puller-feeder. Do not expose the conduits to direct solar irradiation for long periods.

NOTE: refer to technical data sheet for the internal diameter.



DX 15 516

MEDIUM LIGHT BLUE PLIABLE CONDUIT - PVC

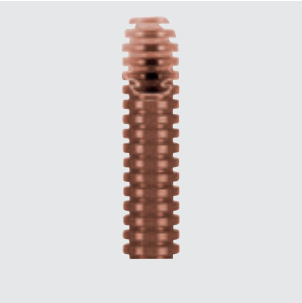
| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 15 416 | 16 | 100/2400 |
| DX 15 420 | 20 | 100/2000 |
| DX 15 425 | 25 | 50/1000 |
| DX 15 432 | 32 | 25/600 |
| DX 15 440 | 40 | 25/500 |
| DX 15 450 | 50 | 25/400 |
| Type: with cable puller | | |
| DX 15 516 | 16 | 100/2400 |
| DX 15 520 | 20 | 100/2000 |
| DX 15 525 | 25 | 50/1000 |
| DX 15 532 | 32 | 25/600 |

USE: light blue is recommended for the identification of the entryphone lines.

The cable puller-feeder allows the wires to be pulled easily.

Conformity to standards refers to the protective conduit and not to the cable puller-feeder. Do not expose the conduits to direct solar irradiation for long periods.

NOTE: refer to technical data sheet for the internal diameter.



DX 15 616

MEDIUM BROWN PLIABLE CONDUIT - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|----------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 15 616 | 16 | 100/2400 |
| DX 15 620 | 20 | 100/2000 |
| DX 15 625 | 25 | 50/1000 |
| DX 15 632 | 32 | 25/600 |
| DX 15 640 | 40 | 25/500 |
| DX 15 650 | 50 | 25/400 |
| Type: with cable puller | | |
| DX 15 716 | 16 | 100/2400 |
| DX 15 720 | 20 | 100/2000 |
| DX 15 725 | 25 | 50/1000 |
| DX 15 732 | 32 | 25/600 |

USE: brown is recommended for the identification of the emergency light and alarm lines.
The cable puller-feeder allows the wires to be pulled easily.
Conformity to standards refers to the protective conduit and not to the cable puller-feeder. Do not expose the conduits to direct solar irradiation for long periods.
NOTE: refer to technical data sheet for the internal diameter.



DX 15 916

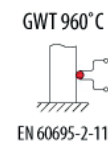
MEDIUM LILAC PLIABLE CONDUIT - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|----------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 15 816 | 16 | 100/2400 |
| DX 15 820 | 20 | 100/2000 |
| DX 15 825 | 25 | 50/1000 |
| DX 15 832 | 32 | 25/600 |
| DX 15 840 | 40 | 25/500 |
| DX 15 850 | 50 | 25/400 |
| Type: with cable puller | | |
| DX 15 916 | 16 | 100/2400 |
| DX 15 920 | 20 | 100/2000 |
| DX 15 925 | 25 | 50/1000 |
| DX 15 932 | 32 | 25/600 |

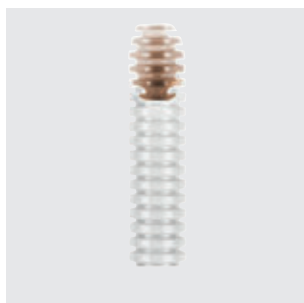
USE: lilac is recommended for the identification of the cable radio and hi-fi lines.
The cable puller-feeder allows the wires to be pulled easily.
Conformity to standards refers to the protective conduit and not to the cable puller-feeder. Do not expose the conduits to direct solar irradiation for long periods.
NOTE: refer to technical data sheet for the internal diameter.

PLIABLE SELF-EXTINGUISHING CONDUIT FOR LIQUID CONCRETE

CLASSIFICATION
3 3 2 1 2
EN 50086
EN 61386



FKCO MEDIUM PLIABLE CONDUIT COEXTRUDED



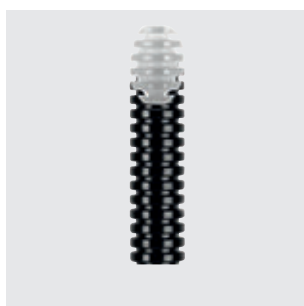
DX 16 220 C

MEDIUM LIGHT GREY PLIABLE CONDUIT, COEXTRUDED - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 16 220 C | 20 | 100/4800 |
| DX 16 225 C | 25 | 50/2400 |
| DX 16 232 C | 32 | 25/1300 |
| DX 16 240 C | 40 | 25/500 |

NOTE: conduits with diameter 20; 25 and 32 mm with internal lubrication.

APPLICATIONS: ideal for use in self-levelling liquid cement. White colour is recommended for identifying the computer coaxial cables. Do not expose the conduits to direct solar irradiation for long periods.



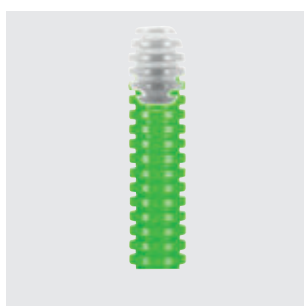
DX 15 020 C

MEDIUM BLACK PLIABLE CONDUIT, COEXTRUDED - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 15 020 C | 20 | 100/4800 |
| DX 15 025 C | 25 | 50/2400 |
| DX 15 032 C | 32 | 25/1300 |
| DX 15 040 C | 40 | 25/500 |

NOTE: conduits with diameter 20; 25 and 32 mm with internal lubrication.

APPLICATIONS: ideal for use in self-levelling liquid cement. Black colour is recommended for identifying the force distribution lines. Do not expose the conduits to direct solar irradiation for long periods.



DX 15 220 C

MEDIUM GREEN PLIABLE CONDUIT, COEXTRUDED - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 15 220 C | 20 | 100/2000 |
| DX 15 225 C | 25 | 50/1000 |
| DX 15 232 C | 32 | 25/600 |
| DX 15 240 C | 40 | 25/500 |

NOTE: conduits with diameter 20; 25 and 32 mm with internal lubrication.

APPLICATIONS: ideal for use in self-levelling liquid cement. Green colour is recommended for identifying the telephone lines, BUS lines and domestic automation lines. Do not expose the conduits to direct solar irradiation for long periods.



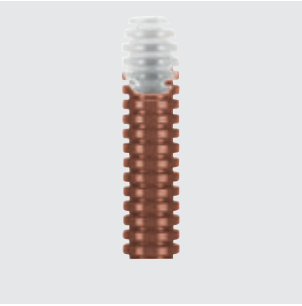
DX 15 420 C

MEDIUM LIGHT BLUE PLIABLE CONDUIT, COEXTRUDED - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 15 420 C | 20 | 100/2000 |
| DX 15 425 C | 25 | 50/1000 |
| DX 15 432 C | 32 | 25/600 |
| DX 15 440 C | 40 | 25/500 |

NOTE: conduits with diameter 20; 25 and 32 mm with internal lubrication.

APPLICATIONS: ideal for use in self-levelling liquid cement. Light blue is recommended for the identification of the entryphone lines. Do not expose the conduits to direct solar irradiation for long periods.



DX 15 620 C

MEDIUM BROWN PLIABLE CONDUIT, COEXTRUDED - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|----------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 15 620 C | 20 | 100/2000 |
| DX 15 625 C | 25 | 50/1000 |
| DX 15 632 C | 32 | 25/600 |
| DX 15 640 C | 40 | 25/500 |

NOTE: conduits with diameter 20; 25 and 32 mm with internal lubrication.
APPLICATIONS: ideal for use in self-levelling liquid cement. Brown is recommended for the identification of the emergency light and alarm lines.
Do not expose the conduits to direct solar irradiation for long periods.



DX 15 820 C

MEDIUM LILAC PLIABLE CONDUIT, COEXTRUDED - PVC

| Code | Conduits Ø (mm) | Pack Carton |
|----------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 15 820 C | 20 | 100/2000 |
| DX 15 825 C | 25 | 50/1000 |
| DX 15 832 C | 32 | 25/600 |
| DX 15 840 C | 40 | 25/500 |

NOTE: conduits with diameter 20; 25 and 32 mm with internal lubrication.
APPLICATIONS: ideal for use in self-levelling liquid cement. Lilac blue is recommended for the identification of the cable radio and hi-fi lines.
Do not expose the conduits to direct solar irradiation for long periods.

PLIABLE CONDUIT SELF-EXTINGUISHING FKMF -SUPERSPEED

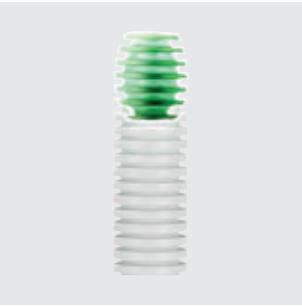
CLASSIFICATION

33232

EN 50086
EN 61386



MEDIUM PLIABLE CONDUIT FKMF - SUPERSPEED



DX 24 220 N

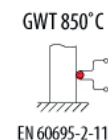
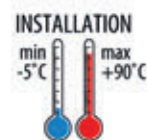
MEDIUM PLIABLE CONDUIT, GREY

| Code | Conduits Ø (mm) | Pack Carton |
|----------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 24 216 N | 16 | 100/4800 |
| DX 24 220 N | 20 | 100/4000 |
| DX 24 225 N | 25 | 50/2000 |
| DX 24 232 N | 32 | 25/1100 |
| DX 24 240 N | 40 | 25/500 |
| DX 24 250 N | 50 | 25/400 |
| DX 24 263 N | 63 | 20/400 |

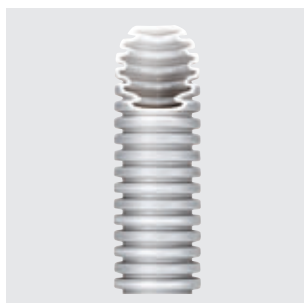
NOTE: SUPERSPEED versions, with specific internal layer for high speed cables sliding, related to 20,25,32 mm diameters.

PLIABLE CONDUIT ICTA

CLASSIFICATION
3 4 2 2 3
EN 50086
EN 61386



ICTA - "LOW SMOKE ZERO HALOGEN" MEDIUM PLIABLE CONDUIT



DX 20 016

MEDIUM PLIABLE CONDUIT, GREY RAL 7035, SELF-EXTINGUISHING AND SELF-RECOVERING - PP



| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 20 016 | 16 | 100/4800 |
| DX 20 020 | 20 | 100/4000 |
| DX 20 025 | 25 | 50/2000 |
| DX 20 032 | 32 | 25/1100 |
| DX 20 040 | 40 | 25/500 |
| DX 20 050 | 50 | 25/400 |
| DX 20 063 | 63 | 20/400 |
| Type: with cable puller | | |
| DX 20 116 | 16 | 100/4800 |
| DX 20 120 | 20 | 100/4000 |
| DX 20 125 | 25 | 50/2000 |
| DX 20 132 | 32 | 25/1100 |
| DX 20 140 | 40 | 25/500 |
| DX 20 150 | 50 | 25/400 |
| DX 20 163 | 63 | 20/400 |

USE: the cable puller-feeder allows the wires to be pulled easily. Conformity to standards refers to the protective conduit and not to the cable puller-feeder. Do not expose the conduits to direct solar irradiation for long periods.



DX 20 516

MEDIUM PLIABLE CONDUIT, DARK GREY, SELF-EXTINGUISHING AND SELF-RECOVERING - PP



| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 20 416 | 16 | 100/4800 |
| DX 20 420 | 20 | 100/4000 |
| DX 20 425 | 25 | 50/2000 |
| DX 20 432 | 32 | 25/1100 |
| DX 20 440 | 40 | 25/500 |
| DX 20 450 | 50 | 25/400 |
| DX 20 463 | 63 | 20/400 |
| Type: with cable puller | | |
| DX 20 516 | 16 | 100/4800 |
| DX 20 520 | 20 | 100/4000 |
| DX 20 525 | 25 | 50/2000 |
| DX 20 532 | 32 | 25/1100 |
| DX 20 540 | 40 | 25/500 |
| DX 20 550 | 50 | 25/400 |
| DX 20 563 | 63 | 20/400 |

USE: the cable puller-feeder allows the wires to be pulled easily. Conformity to standards refers to the protective conduit and not to the cable puller-feeder. Do not expose the conduits to direct solar irradiation for long periods.



DX 22 016

MEDIUM PLIABLE CONDUIT, GREEN , SELF-EXTINGUISHING AND SELF- RECOVERING - PP



| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|--------------------|----------------|
| Type: without cable puller | | |
| DX 22 016 | 16 | 100/4800 |
| DX 22 020 | 20 | 100/4000 |
| DX 22 025 | 25 | 50/2000 |
| DX 22 032 | 32 | 25/1100 |
| DX 22 040 | 40 | 25/500 |
| DX 22 050 | 50 | 25/400 |
| DX 22 063 | 63 | 20/400 |
| Type: with cable puller | | |
| DX 22 116 | 16 | 100/4800 |
| DX 22 120 | 20 | 100/4000 |
| DX 22 125 | 25 | 50/2000 |
| DX 22 132 | 32 | 25/1100 |
| DX 22 140 | 40 | 25/500 |
| DX 22 150 | 50 | 25/400 |
| DX 22 163 | 63 | 20/400 |

USE: the cable puller-feeder allows the wires to be pulled easily. Conformity to standards refers to the protective conduit and not to the cable puller-feeder.
Do not expose the conduits to direct solar irradiation for long periods.



DX 23 116

MEDIUM PLIABLE CONDUIT, LIGHT BLUE , SELF-EXTINGUISHING AND SELF- RECOVERING - PP



| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|--------------------|----------------|
| Type: without cable puller | | |
| DX 23 016 | 16 | 100/4800 |
| DX 23 020 | 20 | 100/4000 |
| DX 23 025 | 25 | 50/2000 |
| DX 23 032 | 32 | 25/1100 |
| DX 23 040 | 40 | 25/500 |
| DX 23 050 | 50 | 25/400 |
| DX 23 063 | 63 | 20/400 |
| Type: with cable puller | | |
| DX 23 116 | 16 | 100/4800 |
| DX 23 120 | 20 | 100/4000 |
| DX 23 125 | 25 | 50/2000 |
| DX 23 132 | 32 | 25/1100 |
| DX 23 140 | 40 | 25/500 |
| DX 23 150 | 50 | 25/400 |
| DX 23 163 | 63 | 20/400 |

USE: the cable puller-feeder allows the wires to be pulled easily. Conformity to standards refers to the protective conduit and not to the cable puller-feeder.
Do not expose the conduits to direct solar irradiation for long periods.

PLIABLE CONDUIT FKHF HALOGEN-FREE

CLASSIFICATION

23223

EN 50086
EN 61386

320N



2J



INSTALLATION

min -5°C max +90°C




FKHF LIGHT PLIABLE CONDUIT



DX 23 216

LIGHT PLIABLE CONDUIT, GREY, HALOGEN-FREE, SELF-EXTINGUISHING AND SELF-RECOVERING - PP



| Code | Conduits Ø (mm) | Pack Carton |
|-----------------------------------|-----------------|-------------|
| Type: without cable puller | | |
| DX 23 216 | 16 | 100/4800 |
| DX 23 220 | 20 | 100/4000 |
| DX 23 225 | 25 | 50/2000 |
| DX 23 232 | 32 | 25/1100 |
| DX 23 240 | 40 | 25/500 |
| DX 23 250 | 50 | 25/400 |
| DX 23 263 | 63 | 20/400 |
| Type: with cable puller | | |
| DX 23 316 | 16 | 100/4800 |
| DX 23 320 | 20 | 100/4000 |
| DX 23 325 | 25 | 50/2000 |
| DX 23 332 | 32 | 25/1100 |
| DX 23 340 | 40 | 25/500 |
| DX 23 350 | 50 | 25/400 |
| DX 23 363 | 63 | 20/400 |

USE: the cable puller-feeder allows the wires to be pulled easily. Conformity to standards refers to the protective conduit and not to the cable puller-feeder.
NOTE: refer to technical data sheet for the internal diameter.

COMPONENTS FOR PLIABLE CONDUITS

COUPLING



DX 52 016

GF COUPLING FOR PLIABLE CONDUIT

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 52 016 | 16 | 50/200 |
| DX 52 020 | 20 | 50/150 |
| DX 52 025 | 25 | 50/100 |
| DX 52 032 | 32 | 25/75 |
| DX 52 040 | 40 | 10/40 |
| DX 52 050 | 50 | 10/40 |
| DX 52 063 | 63 | 25 |

USE: for the jointing of corrugated conduits of the same diameter. the corrugation creates a vacuum effect between the crest and its underside, making the connection highly effective. This accessory allows you to recover and use pieces of corrugated conduit, thereby minimising waste.

MATERIAL: Soft transparent PVC.

CAPS



DX 52 116

PLIABLE CONDUIT CAP

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 52 116 | 16 | 100/500 |
| DX 52 120 | 20 | 100/400 |
| DX 52 125 | 25 | 50/250 |
| DX 52 132 | 32 | 25/125 |
| DX 52 140 | 40 | 25/100 |
| DX 52 150 | 50 | 25/75 |
| DX 52 163 | 63 | 50 |

USE: protects tubing from undesired entry of liquids or solid bodies during the installation phase or when left empty. Ready for the subsequent passage of the cables. Accidental obstructions are avoided, and the caps can be removed/re-used when the work is finished.

MATERIAL: PP - Grey RAL 7035.

COUPLINGS AND CABLE-GLANDS



GWT 750°C



EN 60695-2-11



GW 50 415

SHOCKPROOF POLYMER CONDUIT/BOX COUPLINGS GREY RAL 7035

| Code | For external conduits (mm) | Mounting hole Ø (mm) | IP with rigid conduit | IP with corrugated conduit | Pack Carton |
|-----------|----------------------------|----------------------|-----------------------|----------------------------|-------------|
| GW 50 415 | 16 | 20 | IP66 | IP54 | 25/200 |
| GW 50 416 | 20 | 23 | IP66 | IP54 | 25/200 |
| GW 50 417 | 25 | 29 | IP66 | IP54 | 25/150 |
| GW 50 418 | 32 | 37 | IP66 | IP54 | 10/100 |
| GW 50 419 | 40 | 48 | IP66 | IP44 | 6/60 |
| GW 50 420 | 50 | 54 | IP66 | IP44 | 5/50 |

CHARACTERISTICS: the box conduit coupling device allows corrugated conduits to be connected to the junction boxes, guaranteeing the minimum IP4X degree of protection in areas at greater risk in the event of a fire whenever required.

ACCESSORIES SUPPLIED: fixing nut.

CABLE PULLER-FEEDER



DX 52 205

Ø 3 MM NYLON CABLE PULLER-FEEDER

| Code | Length (m) | Pack Carton |
|-----------|------------|-------------|
| DX 52 205 | 5 | 1/10 |
| DX 52 210 | 10 | 1/10 |
| DX 52 215 | 15 | 1/10 |
| DX 52 220 | 20 | 1/10 |
| DX 52 225 | 25 | 1/10 |

USE: for the insertion of electrical cables into protective conduits. It consists of a solid nylon rod 3 mm in diameter giving the probe extreme lightness and flexibility, ideal for systems with short and simple sections. It is also equipped at one end with a probe with extreme resistance to wear and therefore very durable.



DX 52 305

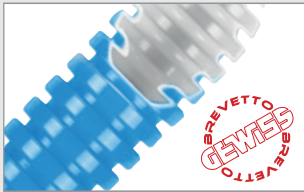
Ø 4 MM NYLON CABLE PULLER-FEEDER AND ACCESSORIES

| Code | Description | Length (m) | Pack Carton |
|-----------|---------------|------------|-------------|
| DX 52 305 | | 5 | 1/40 |
| DX 52 310 | | 10 | 1/25 |
| DX 52 315 | | 15 | 1/15 |
| DX 52 320 | | 20 | 1/15 |
| DX 52 325 | | 25 | 1/15 |
| DX 52 299 | Flexible head | | 10/200 |
| DX 52 399 | Tail ring | | 10/200 |

USE: this probe is powerful and flexible, allowing it to cope with even sharp bends in conduit, thanks to a 4mm nylon rod and soft flexible head. The interchangeability of the head with the tail ring also helps to reduce the times for inserting the cables in short sections.



FKCO MEDIUM CO-EXTRUDED CONDUIT



The new conduits, thanks to the particular double wall, provide total protection against the penetration of the cement's liquid components. The outer covering provides extra strength in site against footfall, crushing and impact.

FK15 ARCOBALENO MEDIUM CONDUIT



Available in versions with and without cable-puller probe and in six different colours for all ordinary building systems. Profile characterized by ringing which gives the conduit greater flexibility, higher resistance to loads and reduced thermal memory.

ICTA SELF-RECOVERING MEDIUM CONDUITS



With 34223 classification they are characterized for the high impact resistance and the wide implementation temperature range. Made of Halogen-free material (according to EN50267-2-2), ideal for public places (e.g. theatres, schools, etc.). Versions with cable-puller also.

ARCOBALENO SELF-EXTINGUISHING PLIABLE CONDUITS

Medium pliable conduit FK 15

| GENERAL CHARACTERISTIC | |
|--|---|
| Name: FK15 | Standard: IEC EN 61386-1; IEC EN 61386-22 |
| Colour: medium natural white, black, green, light blue, brown, lilac | Application field: electrical systems and/or data transmission for all types of environment |
| Material: PVC | Installation type: mainly flush-mounted in floors, walls and/or ceilings. |
| Length supplied: depends on the diameter | Suitable for applications inside false ceilings and floating floors |

| Characteristic according to IEC/EN 61386-22 | Test results | Classification code |
|---|--|---------------------|
| Resistance to compression: | Medium - 750 N | 3 |
| Resistance to impact: | Medium - 2 J | 3 |
| Lower temperature range: | -5 °C | 2 |
| Upper temperature range: | +60 °C | 1 |
| Resistance to bending: | Pliable | 2 |
| Electrical characteristics: | With electrical insulating characteristics | 2 |
| Protection against ingress of solid objects | | |
| Without accessories: | | - |
| With GF coupling: | | 4 |
| Protection against ingress of water | | 0 |
| Resistance against corrosion: | Not applicable to plastic conduit systems | - |
| Resistance to flame propagation: | Non-flame propagating | 1 |
| Insulation resistance: > 100 MΩ at 500 V for 1 minute | | |
| Dielectric rigidity: 2000 V for 15 minutes | | |

COEXTRUDED SELF-EXTINGUISHING PLIABLE CONDUITS

Medium pliable conduit FKCO

| GENERAL CHARACTERISTIC | |
|--|---|
| Name: FKCO | Standard: IEC EN 61386-1; IEC EN 61386-22 |
| Colour(*): light grey, black, green, light blu, brown, lilac | Application field: electrical systems and/or data transmission for all types of environment |
| Material: PVC (internal wall), PVC plastified (external coating) | Installation type: mainly for self-leveling liquid concrete. Suitable also to be installed flush-mounted in floors, walls and ceilings and inside false ceilings and floating floors. |
| Length supplied: depends on the diameter | |

(*) Conduits have inner walls colour natural gray, with exception of light gray versions that have inner walls colour dark gray.

| Characteristic according to IEC/EN 61386-22 | Test results | Classification code |
|---|--|---------------------|
| Resistance to compression: | Medium - 750 N | 3 |
| Resistance to impact: | Medium - 2 J | 3 |
| Lower temperature range: | -5 °C | 2 |
| Upper temperature range: | +60 °C | 1 |
| Resistance to bending: | Pliable | 2 |
| Electrical characteristics: | With electrical insulating characteristics | 2 |
| Protection against ingress of solid objects | | |
| Without accessories: | | 0 |
| With GF coupling: | | 4 |
| Protection against ingress of water | | 0 |
| Resistance against corrosion: | Not applicable to plastic conduit systems | 0 (**) |
| Resistance to flame propagation: | Non-flame propagating | 1 |
| Insulation resistance: > 100 MΩ at 500 V for 1 minute | | |
| Dielectric rigidity: 2000 V for 15 minutes | | |

(**) The conduits being made of plastic material are naturally resistant to corrosion.

SELF-EXTINGUISHING PLIABLE CONDUITS

Medium pliable conduit FK MF

| GENERAL CHARACTERISTIC | |
|--|---|
| Name: FKMF | Standard: IEC EN 61386-1; IEC EN 61386-22 |
| Colour: Grey | Application field: electrical systems and/or data transmission for all types of environment |
| Material: Polypropilene | Installation type: flush installation, surface installation, buried in concrete. |
| Length supplied: depends on the diameter | Suitable for soil, machinery and equipment installations |

| Characteristic according to IEC/EN 61386-22 | tests results | Classification code |
|---|--|---------------------|
| Resistance to compression: | Medium - 750 N | 3 |
| Resistance to impact: | Medium - 2 J | 3 |
| Lower temperature range: | -5 °C | 2 |
| Upper temperature range: | +105 °C | 3 |
| Resistance to bending: | Pliable | 2 |
| Electrical characteristics: | With electrical insulating characteristics | 2 |
| Protection against ingress of solid objects | | - |
| Without accessories: | | - |
| With GF coupling: | | 4 |
| Protection against ingress of water: | | 0 |
| Resistance against corrosion: | Not applicable to plastic conduit systems | - |
| Resistance to flame propagation: | Non-flame propagating | 1 |
| Insulation resistance: > 100 MΩ at 500 V for 1 minute | | |
| Dielectric rigidity: 2000 V for 15 minutes | | |

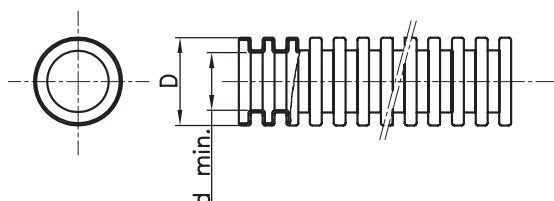
SELF-RECOVERING, SELF-EXTINGUISHING, HALOGEN-FREE PLIABLE CONDUIT**Self recovering; self extinguishing, LOW SMOKE ZERO HALOGEN ICTA pipes****GENERAL CHARACTERISTIC**

| | |
|--|--|
| Name: ICTA | Application field: electrical systems and/or data transmission for all types of environment. Particularly suitable for installations in public places: schools, cinemas, theatres, underground systems, etc. |
| Colour: grey RAL 7035 - dark grey - green - light blue | |
| Material: polypropylene self-extinguishing halogen-free, in compliance with CEI EN 60754-2 (CEI EN 50267-2-2) and EN 61034-2 | Installation type: mainly flush-mounted in floors, walls and ceilings buried in concrete. |
| Length supplied: depends on the diameter | Suitable for applications inside false ceilings and floating floors |
| Standard: IEC EN 61386-1; IEC EN 61386-22 | |

| Characteristic according to IEC/EN 61386-22 | Test results | Classification code |
|---|--|---------------------|
| Resistance to compression: | Medium - 750 N | 3 |
| Resistance to impact: | Heavy - 6 J | 4 |
| Lower temperature range: | -5 °C | 2 |
| Upper temperature range: | +90 °C | 2 |
| Resistance to bending: | Pliable / self recovering | 3 |
| Electrical characteristics: | With electrical insulating characteristics | 2 |
| Protection against ingress of solid objects | | |
| Without accessories: | | - |
| With GF coupling: | | 4 |
| Protection against ingress of water | | 0 |
| Resistance against corrosion: | Not applicable to plastic conduit systems | - |
| Resistance to flame propagation: | Non-flame propagating | 1 |
| Insulation resistance: > 100 MΩ at 500 V for 1 minute | | |
| Dielectric rigidity: 2000 V for 15 minutes | | |

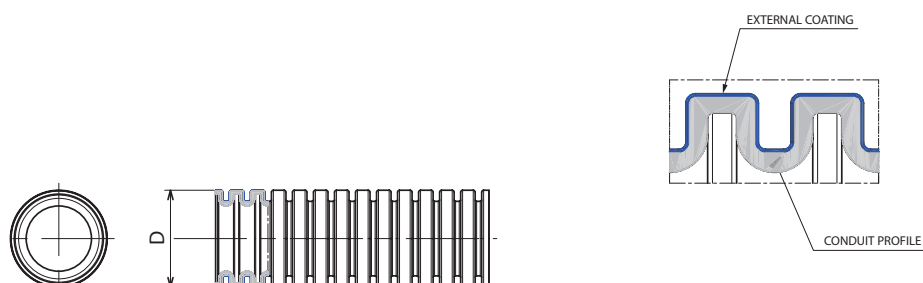
Dimension tables

FK 15 - ARCOBALENO MEDIUM PLIABLE CONDUIT



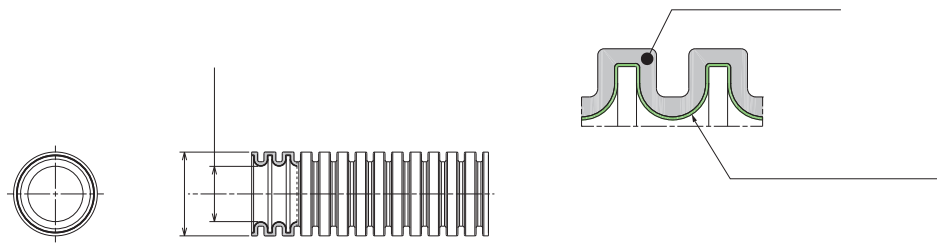
| Natural white | | Black | | Green | | Light blue | | Brown | | Lilac | | conduit Ø (mm) | D | d. min. |
|------------------------------------|---------------------------------|------------------------------------|---------------------------------|------------------------------------|---------------------------------|------------------------------------|---------------------------------|------------------------------------|---------------------------------|------------------------------------|---------------------------------|-------------------|----|------------|
| Without cable puller- feeder | With cable puller- feeder | Without cable puller- feeder | With cable puller- feeder | Without cable puller- feeder | With cable puller- feeder | Without cable puller- feeder | With cable puller- feeder | Without cable puller- feeder | With cable puller- feeder | Without cable puller- feeder | With cable puller- feeder | | | |
| Code | Code | Code | Code | Code | Code | Code | Code | Code | Code | Code | Code | | | |
| DX 16 216 | DX 16 316 | DX 15 016 | DX 15 116 | DX 15 216 | DX 15 316 | DX 15 416 | DX 15 516 | DX 15 616 | DX 15 716 | DX 15 816 | DX 15 916 | 16 | 16 | 0 - 0.3 |
| DX 16 220 | DX 16 320 | DX 15 020 | DX 15 120 | DX 15 220 | DX 15 320 | DX 15 420 | DX 15 520 | DX 15 620 | DX 15 720 | DX 15 820 | DX 15 920 | 20 | 20 | 0 - 0.3 |
| DX 16 225 | DX 16 325 | DX 15 025 | DX 15 125 | DX 15 225 | DX 15 325 | DX 15 425 | DX 15 525 | DX 15 625 | DX 15 725 | DX 15 825 | DX 15 925 | 25 | 25 | 0 - 0.4 |
| DX 16 232 | DX 16 332 | DX 15 032 | DX 15 132 | DX 15 232 | DX 15 332 | DX 15 432 | DX 15 532 | DX 15 632 | DX 15 732 | DX 15 832 | DX 15 932 | 32 | 32 | 0 - 0.4 |
| DX 16 240 | DX 16 340 | DX 15 040 | DX 15 140 | DX 15 240 | | DX 15 440 | | DX 15 640 | | DX 15 840 | | 40 | 40 | 0 - 0.4 |
| DX 16 250 | DX 16 350 | DX 15 050 | DX 15 150 | DX 15 250 | | DX 15 450 | | DX 15 650 | | DX 15 850 | | 50 | 50 | 0 - 0.5 |
| DX 16 263 | DX 16 363 | DX 15 063 | DX 15 163 | | | | | | | | | 63 | 63 | 0 - 0.6 |

FKCO - COEXTRUDED SELF-EXTINGUISHING PLIABLE CONDUITS



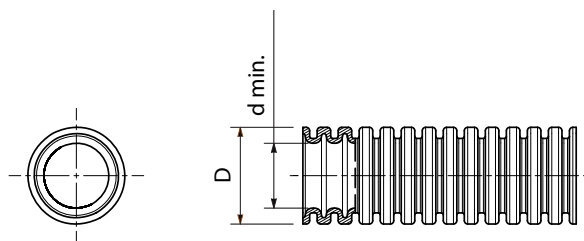
| Light grey | Black | Green | Light blue | Brown | Lilla | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|----|
| Code | Code | Code | Code | Code | Code | Ø conduit (mm) | D |
| DX 16 220 C | DX 15 020 C | DX 15 220 C | DX 15 420 C | DX 15 620 C | DX 15 820 C | 20 | 20 |
| DX 16 225 C | DX 15 025 C | DX 15 225 C | DX 15 425 C | DX 15 625 C | DX 15 825 C | 25 | 25 |
| DX 16 232 C | DX 15 032 C | DX 15 232 C | DX 15 432 C | DX 15 632 C | DX 15 832 C | 32 | 32 |
| DX 16 240 C | DX 15 040 C | DX 15 240 C | DX 15 440 C | DX 15 640 C | DX 15 840 C | 40 | 40 |

Medium pliable conduit FK MF



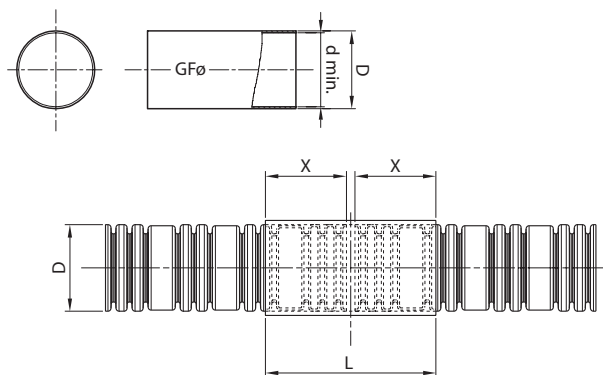
| Code | Ø conduit (mm) | D | | d.min | inner coating | inner coating (colour) |
|-------------|----------------|----|------------|-------|---------------|------------------------|
| DX 24 216 N | 16 | 16 | 0 - 0.3 | 10.15 | | |
| DX 24 220 N | 20 | 20 | 0 - 0.3 | 13.20 | (*) | GREEN |
| DX 24 225 N | 25 | 25 | 0 - 0.4 | 17.50 | (*) | |
| DX 24 232 N | 32 | 32 | 0 - 0.4 | 22.90 | (*) | |
| DX 24 240 N | 40 | 40 | 0 - 0.4 | 29.90 | | |
| DX 24 250 N | 50 | 50 | 0 - 0.5 | 39.20 | | |
| DX 24 263 N | 63 | 63 | 0 - 0.6 | 51.10 | | |

ICTA - SELF-RECOVERING, SELF-EXTINGUISHING, HALOGEN-FREE MEDIUM PLIABLE CONDUIT



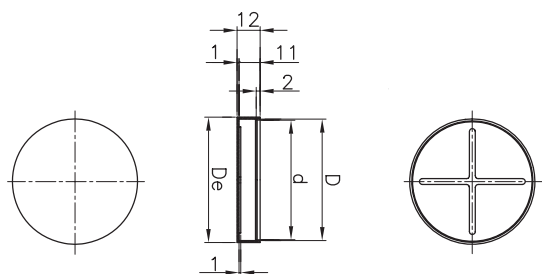
| Grey RAL 7035 | | Dark grey | | Green | | Light blue | | | | |
|-----------------------------|--------------------------|-----------------------------|--------------------------|-----------------------------|--------------------------|-----------------------------|--------------------------|----------------|----|------------|
| Without cable puller-feeder | With cable puller-feeder | Without cable puller-feeder | With cable puller-feeder | Without cable puller-feeder | With cable puller-feeder | Without cable puller-feeder | With cable puller-feeder | | | |
| Code | Code | Code | Code | Code | Code | Code | Code | conduit Ø (mm) | D | d. min. |
| DX 20 016 | DX 20 116 | DX 20 416 | DX 20 516 | DX 22 016 | DX 22 116 | DX 23 016 | DX 23 116 | 16 | 16 | 0 - 0.3 |
| DX 20 020 | DX 20 120 | DX 20 420 | DX 20 520 | DX 22 020 | DX 22 120 | DX 23 020 | DX 23 120 | 20 | 20 | 0 - 0.3 |
| DX 20 025 | DX 20 125 | DX 20 425 | DX 20 525 | DX 22 025 | DX 22 125 | DX 23 025 | DX 23 125 | 25 | 25 | 0 - 0.4 |
| DX 20 032 | DX 20 132 | DX 20 432 | DX 20 532 | DX 22 032 | DX 22 132 | DX 23 032 | DX 23 132 | 32 | 32 | 0 - 0.4 |
| DX 20 040 | DX 20 140 | DX 20 440 | DX 20 540 | DX 22 040 | DX 22 140 | DX 23 040 | DX 23 140 | 40 | 40 | 0 - 0.4 |
| DX 20 050 | DX 20 150 | DX 20 450 | DX 20 550 | DX 22 050 | DX 22 150 | DX 23 050 | DX 23 150 | 50 | 50 | 0 - 0.5 |
| DX 20 063 | DX 20 163 | DX 20 463 | DX 20 563 | DX 22 063 | DX 22 163 | DX 23 063 | DX 23 163 | 63 | 63 | 0 - 0.6 |

PLIABLE CONDUIT COUPLING - IP40












| Code | Ø conduits | D | d. min. | L | X |
|-----------|------------|------|---------|-----|----|
| DX 52 016 | 16 | 17.9 | 15.9 | 60 | 16 |
| DX 52 020 | 20 | 21.9 | 19.9 | | 20 |
| DX 52 025 | 25 | 26.8 | 24.8 | | 25 |
| DX 52 032 | 32 | 33.8 | 31.8 | 80 | 30 |
| DX 52 040 | 40 | 41.8 | 39.8 | | 32 |
| DX 52 050 | 50 | 51.8 | 49.8 | 125 | 42 |
| DX 52 063 | 63 | 64.7 | 62.7 | | 50 |

PLIABLE CONDUIT CAP







| Code | For conduits Ø (mm) | D | De | d. |
|-----------|---------------------|----|----|----|
| DX 52 116 | 16 | 16 | 18 | 15 |
| DX 52 120 | 20 | 20 | 22 | 19 |
| DX 52 125 | 25 | 25 | 27 | 24 |
| DX 52 132 | 32 | 32 | 34 | 31 |
| DX 52 140 | 40 | 40 | 42 | 39 |
| DX 52 150 | 50 | 50 | 52 | 49 |
| DX 52 163 | 63 | 63 | 65 | 62 |

| SHEATH Ø (mm) | SPIRALLED SHEATHS | | | |
|------------------|---|--|---|---|
| | DIFLEX range | | | LIGHT range |
| | Grey  | Black  | Blue  | Grey  |
| 8 | DX 30 008 | DX 30 108 | | |
| 10 | DX 30 010 | DX 30 110 | | |
| 12 | DX 30 012 | DX 30 112 | DX 30 212 | DX 30 812 |
| 14 | DX 30 014 | DX 30 114 | | |
| 16 | DX 30 016 | DX 30 116 | DX 30 216 | DX 30 816 |
| 20 | DX 30 020 | DX 30 120 | DX 30 220 | DX 30 820 |
| 22 | DX 30 022 | DX 30 122 | DX 30 222 | |
| 25 | DX 30 025 | DX 30 125 | DX 30 225 | DX 30 825 |
| 28 | DX 30 028 | DX 30 128 | | |
| 32 | DX 30 032 | DX 30 132 | DX 30 232 | |
| 35 | DX 30 035 | DX 30 135 | | |
| 40 | DX 30 040 | DX 30 140 | DX 30 240 | |
| 50 | DX 30 050 | DX 30 150 | | |
| 60 | DX 30 060 | DX 30 160 | | |

| SHEATH Ø (mm) | FIXED STRAIGHT PIPE FITTINGS - RUN IP54 RANGE | | | | | | PIPE FITTINGS IP65 | | | |
|------------------|---|---|-----------|---|----------|---|-----------------------------|---|--|---|
| | Metric pitch | Grey  | GAS pitch | Grey  | PG pitch | Grey  | Conduit-sheath pipe fitting | | Conduit-sheath pipe fitting (equal diameter) | |
| | | | | | | | Ø Conduit |  | Ø Conduit |  |
| 8 | M12x1 | DX 56 008 | 1/4" | DX 56 208 | 7 | DX 56 408 | | | | |
| 10 | M16x1,5 | DX 56 010 | 1/4" | DX 56 210 | 7 | DX 56 410 | | | | |
| 12 | M16x1,5 | DX 56 012 | 3/8" | DX 56 212 | 9 | DX 56 411 | 16 | DX 43 316 | | |
| | | | | | 11 | DX 56 412 | | | | |
| | | | | | 13,5 | DX 56 413 | | | | |
| 14 | M16x1,5 | DX 56 014 | 1/2" | DX 56 214 | 13,5 | DX 56 414 | | | | |
| 16 | M20x1,5 | DX 56 016 | 1/2" | DX 56 216 | 11 | DX 56 415 | 20 | DX 43 320 | 16 | DX 43 416 |
| | | | | | 13,5 | DX 56 416 | | | | |
| | | | | | 16 | DX 56 417 | | | | |
| 20 | M25x1,5 | DX 56 022 | 3/4" | DX 56 222 | 16 | DX 56 422 | 25 | DX 43 325 | 20 | DX 43 420 |
| | | | | | 21 | DX 56 423 | | | | |
| | | | | | 16 | DX 56 422 | | | | |
| 22 | M25x1,5 | DX 56 022 | 3/4" | DX 56 222 | 21 | DX 56 423 | | | | |
| 25 | M25x1,5 | DX 56 025 | 3/4" | DX 56 225 | 21 | DX 56 425 | 32 | DX 43 332 | 25 | DX 43 425 |
| 28 | M32x1,5 | DX 56 028 | 1" | DX 56 228 | 29 | DX 56 428 | | | 32 | DX 43 432 |
| 32 | | | 1 1/4" | DX 56 232 | 36 | DX 56 432 | 40 | DX 43 340 | | |
| 35 | | | 1 1/4" | DX 56 235 | 36 | DX 56 435 | | | | |
| 40 | M40x1,5 | DX 56 040 | 1 1/4" | DX 56 240 | 42 | DX 56 440 | 50 | DX 43 350 | 40 | DX 43 440 |
| 50 | M50x1,5 | DX 56 050 | 2" | DX 56 250 | 48 | DX 56 450 | | | | |

ROTATING STRAIGHT PIPE FITTINGS - IP54 RANGE

| | Grey | Black | | Grey | Black | | Grey | Black |
|--------------|---|---|-----------|---|--|----------|---|---|
| Metric pitch |  |  | GAS pitch |  |  | PG pitch |  |  |
| M12x1,5 | DX 54 008 | DX 54 108 | 1/4" | DX 54 208 | DX 54 308 | 7 | DX 54 408 | DX 54 508 |
| M16x1,5 | DX 54 010 | DX 54 110 | 1/4" | DX 54 210 | DX 54 310 | 7 | DX 54 410 | DX 54 510 |
| | | | | | | 9 | DX 54 411 | DX 54 511 |
| M16x1,5 | DX 54 012 | DX 54 112 | 3/8" | DX 54 212 | DX 54 312 | 11 | DX 54 412 | DX 54 512 |
| | | | | | | 13,5 | DX 54 413 | DX 54 513 |
| | | | 1/2" | DX 54 214 | DX 54 314 | 13,5 | DX 54 414 | DX 54 514 |
| M20x1,5 | DX 54 016 | DX 54 116 | 1/2" | DX 54 216 | DX 54 316 | 13,5 | DX 54 416 | DX 54 516 |
| | | | | | | 16 | DX 54 417 | DX 54 517 |
| M25x1,5 | DX 54 020 | DX 54 120 | 3/4" | DX 54 220 | DX 54 320 | 21 | DX 54 420 | DX 54 520 |
| M25x1,5 | DX 54 022 | DX 54 122 | 3/4" | DX 54 222 | DX 54 322 | 21 | DX 54 422 | DX 54 522 |
| M32x1,5 | DX 54 025 | DX 54 125 | 1" | DX 54 225 | DX 54 325 | 29 | DX 54 425 | DX 54 525 |
| M32x1,5 | DX 54 028 | DX 54 128 | 1" | DX 54 228 | DX 54 328 | 29 | DX 54 428 | DX 54 528 |
| M40x1,5 | DX 54 032 | DX 54 132 | 1 1/4" | DX 54 232 | DX 54 332 | 36 | DX 54 432 | DX 54 532 |
| | | | 1 1/4" | DX 54 235 | DX 54 335 | 36 | DX 54 435 | DX 54 535 |
| M50x1,5 | DX 54 040 | DX 54 140 | 1 1/2" | DX 54 240 | DX 54 340 | | | |
| M63x1,5 | DX 54 050 | DX 54 150 | 2" | DX 54 250 | DX 54 350 | | | |
| | | | | | | | | |

DF

Flexible protective conduit systems

The offer of spiral sheaths is comprised of the Diflex range with 14 diameters from 8 to 60 mm, with classification 2311 and the Light range with classification 1311. The range also includes straight rotating couplings; straight fixed and conduit-sheath. The system allows the interface with the rigid conduits, junction boxes and boards for the completion of the exposed systems in industrial and commercial sectors and the protection of the wiring of moving mechanical parts.

Technical characteristics page 1470



INSULATING SHEATHS

CLASSIFICATION

2311

EN 50086
EN 61386

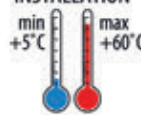
320N



2J



INSTALLATION



GWT 960°C



EN 60695-2-11

DIFLEX SPIRALLED SHEATH



DX 30 008

DIFLEX SPIRALLED SHEATH - GREY RAL 7035 - PVC

| Code | Sheath Ø (mm) | Pack Carton |
|-----------|------------------|----------------|
| DX 30 008 | 8 | 30/2070 |
| DX 30 010 | 10 | 30/1800 |
| DX 30 012 | 12 | 30/1800 |
| DX 30 014 | 14 | 30/1440 |
| DX 30 016 | 16 | 30/1080 |
| DX 30 020 | 20 | 30/1080 |
| DX 30 022 | 22 | 30/720 |
| DX 30 025 | 25 | 30/600 |
| DX 30 028 | 28 | 30/480 |
| DX 30 032 | 32 | 30/480 |
| DX 30 035 | 35 | 30/480 |
| DX 30 040 | 40 | 30/360 |
| DX 30 050 | 50 | 30/180 |
| DX 30 060 | 60 | 30/120 |

NOTE: the specified measurements must be considered internal diameters.



DX 30 108

DIFLEX SPIRALLED SHEATH - BLACK RAL 9005 - PVC

| Code | Sheath Ø (mm) | Pack Carton |
|-----------|------------------|----------------|
| DX 30 108 | 8 | 30/2070 |
| DX 30 110 | 10 | 30/1800 |
| DX 30 112 | 12 | 30/1800 |
| DX 30 114 | 14 | 30/1440 |
| DX 30 116 | 16 | 30/1080 |
| DX 30 120 | 20 | 30/1080 |
| DX 30 122 | 22 | 30/720 |
| DX 30 125 | 25 | 30/600 |
| DX 30 128 | 28 | 30/480 |
| DX 30 132 | 32 | 30/480 |
| DX 30 135 | 35 | 30/480 |
| DX 30 140 | 40 | 30/360 |
| DX 30 150 | 50 | 30/180 |
| DX 30 160 | 60 | 30/120 |

NOTE: the specified measurements must be considered internal diameters.



DX 30 212

DIFLEX SPIRALLED SHEATH - LIGHT BLUE - PVC

| Code | Sheath Ø (mm) | Pack Carton |
|------------------|------------------|----------------|
| DX 30 212 | 12 | 30/1800 |
| DX 30 216 | 16 | 30/1080 |
| DX 30 220 | 20 | 30/1080 |
| DX 30 222 | 22 | 30/720 |
| DX 30 225 | 25 | 30/600 |
| DX 30 232 | 32 | 30/480 |
| DX 30 240 | 40 | 30/360 |

NOTE: the specified measurements must be considered internal diameters.

COUPLINGS

ROTATING UNIONS



DX 54 020

STRAIGHT, REVOLVING COUPLING DEVICE - METRIC PITCH - IP54

| Code | Sheath Ø (mm) | ISO pitch | Pack Carton |
|-------------------------------|------------------|--------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 54 008 | 8 | M 12x1.5 | 20/180 |
| DX 54 010 | 10 | M 16x1.5 | 20/160 |
| DX 54 012 | 12 | M 16x1.5 | 10/100 |
| DX 54 016 | 16 | M 20x1.5 | 10/150 |
| DX 54 020 | 20 | M 25x1.5 | 10/100 |
| DX 54 022 | 22 | M 25x1.5 | 10/100 |
| DX 54 025 | 25 | M 32x1.5 | 5/60 |
| DX 54 028 | 28 | M 32x1.5 | 5/40 |
| DX 54 032 | 32 | M 40x1.5 | 5/30 |
| DX 54 040 | 40 | M 50x1.5 | 25 |
| DX 54 050 | 50 | M 63x1.5 | 15 |
| Colour: Black RAL 9005 | | | |
| DX 54 108 | 8 | M 12x1.5 | 20/180 |
| DX 54 110 | 10 | M 16x1.5 | 20/160 |
| DX 54 112 | 12 | M 16x1.5 | 10/100 |
| DX 54 116 | 16 | M 20x1.5 | 10/150 |
| DX 54 120 | 20 | M 25x1.5 | 10/100 |
| DX 54 122 | 22 | M 25x1.5 | 10/100 |
| DX 54 125 | 25 | M 32x1.5 | 5/60 |
| DX 54 128 | 28 | M 32x1.5 | 5/40 |
| DX 54 132 | 32 | M 40x1.5 | 5/30 |
| DX 54 140 | 40 | M 50x1.5 | 25 |
| DX 54 150 | 50 | M 63x1.5 | 15 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with metric pitch or in non-threaded holes via the nut and gasket supplied.



DX 54 220

STRAIGHT, REVOLVING COUPLING DEVICE - GAS PITCH - IP54

| Code | Sheath Ø (mm) | GAS pitch | Pack Carton |
|-------------------------------|------------------|--------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 54 208 | 8 | 1/4" | 20/180 |
| DX 54 210 | 10 | 1/4" | 20/160 |
| DX 54 212 | 12 | 3/8" | 10/100 |
| DX 54 214 | 14 | 1/2" | 10/150 |
| DX 54 216 | 16 | 1/2" | 10/150 |
| DX 54 220 | 20 | 3/4" | 10/100 |
| DX 54 222 | 22 | 3/4" | 10/100 |
| DX 54 225 | 25 | 1" | 5/60 |
| DX 54 228 | 28 | 1" | 5/40 |
| DX 54 232 | 32 | 1 1/4" | 5/30 |
| DX 54 235 | 35 | 1 1/4" | 5/30 |
| DX 54 240 | 40 | 1 1/2" | 25 |
| DX 54 250 | 50 | 2" | 15 |
| Colour: Black RAL 9005 | | | |
| DX 54 308 | 8 | 1/4" | 20/180 |
| DX 54 310 | 10 | 1/4" | 20/160 |
| DX 54 312 | 12 | 3/8" | 10/100 |
| DX 54 314 | 14 | 1/2" | 10/150 |
| DX 54 316 | 16 | 1/2" | 10/150 |
| DX 54 320 | 20 | 3/4" | 10/100 |
| DX 54 322 | 22 | 3/4" | 10/100 |
| DX 54 325 | 25 | 1" | 5/60 |
| DX 54 328 | 28 | 1" | 5/40 |
| DX 54 332 | 32 | 1 1/4" | 5/30 |
| DX 54 335 | 35 | 1 1/4" | 5/30 |
| DX 54 340 | 40 | 1 1/2" | 25 |
| DX 54 350 | 50 | 2" | 15 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with GAS pitches or in non-threaded holes via the nut and gasket supplied.



DX 54 420

STRAIGHT, REVOLVING COUPLING DEVICE - PG PITCH - IP54

| Code | Sheath Ø (mm) | PG pitch | Pack Carton |
|-------------------------------|------------------|-------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 54 408 | 8 | 7 | 20/180 |
| DX 54 410 | 10 | 7 | 20/160 |
| DX 54 411 | 10 | 9 | 20/160 |
| DX 54 412 | 12 | 11 | 10/100 |
| DX 54 413 | 12 | 13.5 | 10/100 |
| DX 54 414 | 14 | 13.5 | 10/150 |
| DX 54 416 | 16 | 13.5 | 10/150 |
| DX 54 417 | 16 | 16 | 10/150 |
| DX 54 420 | 20 | 21 | 10/100 |
| DX 54 422 | 22 | 21 | 10/100 |
| DX 54 425 | 25 | 29 | 5/60 |
| DX 54 428 | 28 | 29 | 5/40 |
| DX 54 432 | 32 | 36 | 5/30 |
| DX 54 435 | 35 | 36 | 5/30 |
| Colour: Black RAL 9005 | | | |
| DX 54 508 | 8 | 7 | 20/180 |
| DX 54 510 | 10 | 7 | 20/160 |
| DX 54 511 | 10 | 9 | 20/160 |
| DX 54 512 | 12 | 11 | 10/100 |
| DX 54 513 | 12 | 13.5 | 10/100 |
| DX 54 514 | 14 | 13.5 | 10/150 |
| DX 54 516 | 16 | 13.5 | 10/150 |
| DX 54 517 | 16 | 16 | 10/150 |
| DX 54 520 | 20 | 21 | 10/100 |
| DX 54 522 | 22 | 21 | 10/100 |
| DX 54 525 | 25 | 29 | 5/60 |
| DX 54 528 | 28 | 29 | 5/40 |
| DX 54 532 | 32 | 36 | 5/30 |
| DX 54 535 | 35 | 36 | 5/30 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with Pg pitches or in non-threaded holes via the nut and gasket supplied.

FIXED UNIONS



DX 56 008

STRAIGHT, FIXED COUPLING DEVICE - METRIC PITCH - IP54

| Code | Sheath Ø (mm) | ISO pitch | Pack Carton |
|------------------------------|------------------|--------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 56 008 | 8 | M12x1 | 20/160 |
| DX 56 010 | 10 | M16x1.5 | 10/170 |
| DX 56 012 | 12 | M16x1.5 | 10/150 |
| DX 56 014 | 14 | M16x1.5 | 10/130 |
| DX 56 016 | 16 | M20x1.5 | 10/110 |
| DX 56 022 | 20-22 | M25x1.5 | 10/50 |
| DX 56 025 | 25 | M25x1.5 | 10/50 |
| DX 56 028 | 28 | M32x1.5 | 10/40 |
| DX 56 040 | 40 | M40x1.5 | 15 |
| DX 56 050 | 50 | M50x1.5 | 12 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with metric pitch or in non-threaded holes via the nut and gasket supplied.



DX 56 208

STRAIGHT, FIXED COUPLING DEVICE - GAS PITCH - IP54

| Code | Sheath Ø (mm) | GAS pitch | Pack Carton |
|------------------------------|------------------|--------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 56 208 | 8 | 1/4" | 20/160 |
| DX 56 210 | 10 | 1/4" | 10/170 |
| DX 56 212 | 12 | 3/8" | 10/150 |
| DX 56 214 | 14 | 1/2" | 10/130 |
| DX 56 216 | 16 | 1/2" | 10/110 |
| DX 56 222 | 20-22 | 3/4" | 10/50 |
| DX 56 225 | 25 | 3/4" | 10/50 |
| DX 56 228 | 28 | 1" | 10/40 |
| DX 56 232 | 32 | 1 1/4" | 3/18 |
| DX 56 235 | 35 | 1 1/4" | 3/18 |
| DX 56 240 | 40 | 1 1/2" | 15 |
| DX 56 250 | 50 | 2" | 12 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with GAS pitches or in non-threaded holes via the nut and gasket supplied.



DX 56 408

STRAIGHT, FIXED COUPLING DEVICE - PG PITCH - IP54

| Code | Sheath Ø (mm) | PG pitch | Pack Carton |
|------------------------------|------------------|-------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 56 408 | 8 | 7 | 20/160 |
| DX 56 410 | 10 | 7 | 10/170 |
| DX 56 411 | 12 | 9 | 10/150 |
| DX 56 412 | 12 | 11 | 10/150 |
| DX 56 413 | 12 | 13.5 | 10/150 |
| DX 56 414 | 14 | 13.5 | 10/130 |
| DX 56 415 | 16 | 11 | 10/110 |
| DX 56 416 | 16 | 13.5 | 10/110 |
| DX 56 417 | 16 | 16 | 10/110 |
| DX 56 422 | 20-22 | 16 | 10/50 |
| DX 56 423 | 20-22 | 21 | 10/50 |
| DX 56 425 | 25 | 21 | 10/50 |
| DX 56 428 | 28 | 29 | 10/40 |
| DX 56 432 | 32 | 36 | 3/18 |
| DX 56 435 | 35 | 36 | 3/18 |
| DX 56 440 | 40 | 42 | 15 |
| DX 56 450 | 50 | 48 | 12 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with Pg pitches or in non-threaded holes via the nut and gasket supplied.

CONDUIT-SHEATH UNIONS



DX 43 316

MORBIDX RELEASE CONDUIT-SHEATH UNION - IP65



| Code | Conduits Ø (mm) | Sheath Ø (mm) | Pack Carton |
|-----------|-----------------|---------------|-------------|
| DX 43 316 | 16 | 12 | 10/450 |
| DX 43 320 | 20 | 16 | 10/300 |
| DX 43 325 | 25 | 20 | 5/210 |
| DX 43 332 | 32 | 25 | 5/120 |
| DX 43 340 | 40 | 32 | 5/25 |
| DX 43 350 | 50 | 40 | 5/20 |



DX 43 416

RELEASE CONDUIT-SHEATH UNION EQUAL DIAMETER - IP65



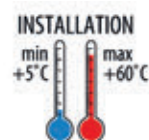
| Code | Conduits Ø (mm) | Sheath Ø (mm) | Pack Carton |
|-----------|-----------------|---------------|-------------|
| DX 43 416 | 16 | 16 | 10/360 |
| DX 43 420 | 20 | 20 | 10/240 |
| DX 43 425 | 25 | 25 | 5/150 |
| DX 43 432 | 32 | 28 | 5/40 |
| DX 43 440 | 40 | 40 | 5/20 |

USE: coupling of a solid protective conduit with a spiral sheath of the DIFLEX range;

allows the maintenance of the same internal diameter in line with the joint; the internal section for cable passage remains constant, increasing the space available for the system wires.

SHEATH FOR NON-HEAVY DUTY USES

CLASSIFICATION
1311
EN 50086
EN 61386



LIGHT SPIRALLED SHEATH



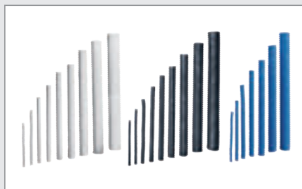
DX 30 812

LIGHT SPIRALLED SHEATH - GREY RAL 7035 - PVC

| Code | Sheath Ø (mm) | Pack Carton |
|-----------|---------------|-------------|
| DX 30 812 | 12 | 30/1800 |
| DX 30 816 | 16 | 30/1080 |
| DX 30 820 | 20 | 30/1080 |
| DX 30 825 | 25 | 30/600 |



PROFESSIONAL SPIRALLED SHEATHS



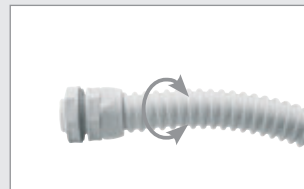
The 2311-classified range of spiralled sheaths includes models with 14 different diameters (8-60 mm) in grey, black and blue. The 12, 16, 20 and 25 mm diameter models are also available in a Light version (1311 classification) for non-heavy duty use, ideal in air-conditioning systems.

FLEXIBILITY AND RESISTANCE



The special profile of the sheath, in rigid PVC for the internal spiral and plastified PVC for the external coating, guarantees high resistance to crushing and ensures the flexibility needed for any type of installation/routing.

COUPLING DEVICES FOR EASY INSTALLATION



The straight revolving coupling devices allow the housed sheath to rotate freely whilst still maintaining the IP54 degree of protection. The movements of sheaths already connected to boxes and boards is therefore made easier.

INSULATING SHEATHS

Diflex spiral sheaths

| GENERAL CHARACTERISTIC | |
|---|--|
| Name: DIFLEX | Application field: for the protection of conductors in fixed or mobile installations in residential applications, and on board operating machinery in industrial applications thanks to its flexibility and resistance to mineral oils Installation type: mainly exposed on walls and ceilings. Suitable for applications inside false ceilings and floating floors |
| Colour: Grey RAL 7035 - Black RAL 9005 - Blue | |
| Material: Rigid PVC for the internal spiral - Plastic for the cap | |
| Length supplied: 30 meters rolls | |
| Standard: IEC EN 61386-1; IEC EN 61386-23 | |

| Characteristic according to IEC/EN 61386-23 | | Classification code |
|---|--|---------------------|
| Resistance to compression: | Light - 320 N | 2 |
| Resistance to impact: | Medium - 2 J | 3 |
| Lower temperature range: | +5 °C | 1 |
| Upper temperature range: | +60 °C | 1 |
| Resistance to bending: | Flexible | 4 |
| Electrical characteristics: | With electrical insulating characteristics | 2 |
| Protection against ingress of solid objects | | |
| With revolving and fixed couplings: | | 5 |
| With conduit-sheath unions: | | 6 |
| Protection against ingress of water | | |
| With revolving and fixed couplings: | | 4 |
| With conduit-sheath unions: | | 5 |
| Resistance against corrosion: | Not applicable to plastic conduit systems | - |
| Tensile strength: | Very light | 1 |
| Resistance to flame propagation: | Non-flame propagating | 1 |
| Suspended load capacity: | Not applicable | 0 |
| Insulation resistance: > 100 MΩ at 500 V for 1 minute | | |
| Dielectric rigidity: 2000 V for 15 minutes | | |

* The IP degree of protection depends on the type of accessories used.

SPIRALATED SHEATHS FOR LIGHT APPLICATIONS

GENERAL CHARACTERISTIC

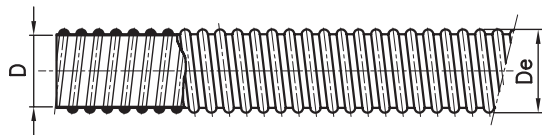
| | |
|---|---|
| Name: LIGHT | Standard: IEC EN 61386-1; IEC EN 61386-23 |
| Colour: RAL 7035 grey | Application field: for non-heavy duty uses in industrial applications |
| Material: Rigid PVC for the internal spiral - Plastic for the cap | Installation type: visible |
| Length supplied: 30 meters rolls | |

| Characteristic according to IEC/EN 61386-23 | | Classification code |
|---|--|---------------------|
| Resistance to compression: | Very Light - 125 N | 1 |
| Resistance to impact: | Medium - 2 J | 3 |
| Lower temperature range: | +5 °C | 1 |
| Upper temperature range: | +60 °C | 1 |
| Resistance to bending: | Flexible | 4 |
| Electrical characteristics: | With electrical insulating characteristics | 2 |
| Protection against ingress of solid objects | | |
| With revolving and fixed couplings: | | 5 |
| With conduit-sheath unions: | | 6 |
| Protection against ingress of water | | |
| With revolving and fixed couplings: | | 4 |
| With conduit-sheath unions: | | 5 |
| Resistance against corrosion: | Not applicable to plastic conduit systems | - |
| Tensile strength: | Very light | 1 |
| Resistance to flame propagation: | Non-flame propagating | 1 |
| Suspended load capacity: | Not applicable | 0 |
| Insulation resistance: > 100 MΩ at 500 V for 1 minute | | |
| Dielectric rigidity: 2000 V for 15 minutes | | |

* The IP degree of protection depends on the type of accessories used.

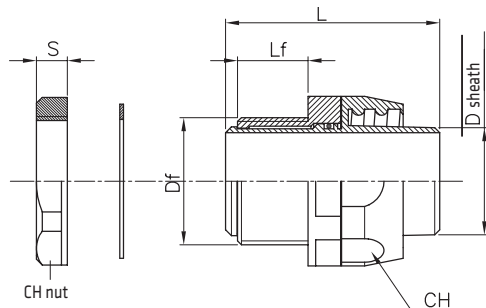
Dimension tables

DIFLEX - SPIRALLED SHEATH



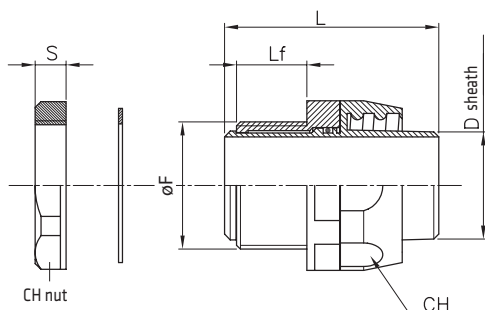
| SHEATH Ø (mm) | DIFLEX range | | | LIGHT range | D | De |
|------------------|---------------|----------------|------------|---------------|----|------|
| | Grey RAL 7035 | Black RAL 9005 | Light blue | Grey RAL 7035 | | |
| 8 | DX 30 008 | DX 30 108 | - | - | 8 | 12.1 |
| 10 | DX 30 010 | DX 30 110 | - | - | 10 | 14.6 |
| 12 | DX 30 012 | DX 30 112 | DX 30 212 | DX 30 812 | 12 | 16.4 |
| 14 | DX 30 014 | DX 30 114 | - | - | 14 | 18.7 |
| 16 | DX 30 016 | DX 30 116 | DX 30 216 | DX 30 816 | 16 | 20.7 |
| 20 | DX 30 020 | DX 30 120 | DX 30 220 | DX 30 820 | 20 | 25 |
| 22 | DX 30 022 | DX 30 122 | - | - | 22 | 27 |
| 25 | DX 30 025 | DX 30 125 | DX 30 225 | DX 30 825 | 25 | 30.6 |
| 28 | DX 30 028 | DX 30 128 | - | - | 28 | 33.5 |
| 32 | DX 30 032 | DX 30 132 | DX 30 232 | - | 32 | 38 |
| 35 | DX 30 035 | DX 30 135 | - | - | 35 | 41 |
| 40 | DX 30 040 | DX 30 140 | DX 30 240 | - | 40 | 46.4 |
| 50 | DX 30 050 | DX 30 150 | - | - | 50 | 57.2 |
| 60 | DX 30 060 | DX 30 160 | - | - | 60 | 68 |

STRAIGHT, REVOLVING COUPLING DEVICE - METRIC PITCH - IP54



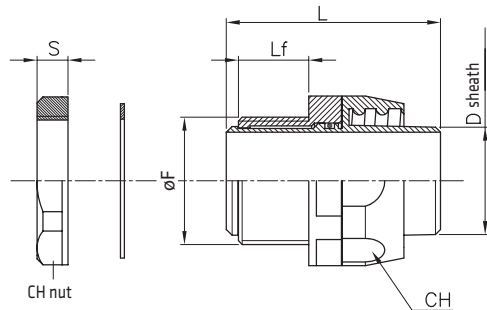
| Code (Grey) | Code (Black) | For sheaths Ø (mm) | Df | Lf | L | S | CH | CH nut |
|----------------|-----------------|-----------------------|-----------|------|------|---|----|-----------|
| DX 54 008 | DX 54 108 | 8 | M12 x 1.5 | 9.5 | 34 | 7 | 17 | 20 |
| DX 54 010 | DX 54 110 | 10 | M16 x 1.5 | 9.5 | 35.2 | 7 | 19 | 22 |
| DX 54 012 | DX 54 112 | 12 | M16 x 1.5 | 10 | 39.5 | 7 | 22 | 22 |
| DX 54 016 | DX 54 116 | 16 | M20 x 1.5 | 12.5 | 44.5 | 7 | 24 | 26 |
| DX 54 020 | DX 54 120 | 20 | M25 x 1.5 | 13.5 | 48 | 8 | 30 | 32 |
| DX 54 022 | DX 54 122 | 22 | M25 x 1.5 | 13.5 | 48 | 8 | 32 | 32 |
| DX 54 025 | DX 54 125 | 25 | M32 x 1.5 | 15.5 | 54 | 8 | 38 | 40 |
| DX 54 028 | DX 54 128 | 28 | M32 x 1.5 | 17.5 | 55 | 8 | 42 | 40 |
| DX 54 032 | DX 54 132 | 32 | M40 x 1.5 | 16.5 | 56.5 | 9 | 45 | 47 |
| DX 54 040 | DX 54 140 | 40 | M50 x 1.5 | 20.5 | 62 | 9 | 53 | 58 |
| DX 54 050 | DX 54 150 | 50 | M63 x 1.5 | 20.5 | 65.5 | 9 | 66 | 72 |

STRAIGHT, REVOLVING COUPLING DEVICE - GAS PITCH - IP54



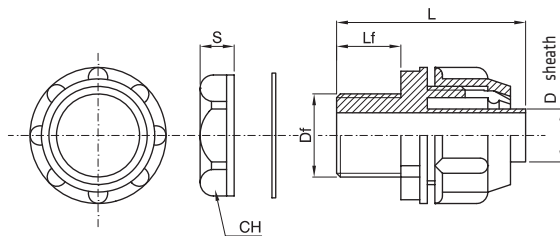
| Code (Grey) | Code (Black) | For sheaths Ø (mm) | GAS pitch | Lf | L | S | CH | CH nut | øF |
|----------------|-----------------|-----------------------|--------------|------|------|---|----|-----------|------|
| DX 54 208 | DX 54 308 | 8 | 1/4" | 9.5 | 34 | 7 | 17 | 19 | 13.5 |
| DX 54 210 | DX 54 310 | 10 | 1/4" | 9.5 | 35.2 | 7 | 19 | 19 | 13.5 |
| DX 54 212 | DX 54 312 | 12 | 3/8" | 10 | 39.5 | 7 | 22 | 23 | 17.2 |
| DX 54 214 | DX 54 314 | 14 | 1/2" | 11.5 | 42 | 7 | 22 | 26 | 21.3 |
| DX 54 216 | DX 54 316 | 16 | 1/2" | 12.5 | 44.5 | 7 | 24 | 26 | 21.3 |
| DX 54 220 | DX 54 320 | 20 | 3/4" | 13.5 | 48 | 8 | 30 | 34 | 26.9 |
| DX 54 222 | DX 54 322 | 22 | 3/4" | 13.5 | 48 | 8 | 32 | 34 | 26.9 |
| DX 54 225 | DX 54 325 | 25 | 1" | 15.5 | 54 | 8 | 38 | 40 | 33.7 |
| DX 54 228 | DX 54 328 | 28 | 1" | 17.5 | 55 | 8 | 42 | 40 | 33.7 |
| DX 54 232 | DX 54 332 | 32 | 1 1/4" | 16.5 | 56.5 | 9 | 45 | 50 | 42.4 |
| DX 54 235 | DX 54 335 | 35 | 1 1/4" | 15.5 | 55 | 9 | 48 | 50 | 42.4 |
| DX 54 240 | DX 54 340 | 40 | 1 1/2" | 20.5 | 62 | 9 | 53 | 56 | 48.3 |
| DX 54 250 | DX 54 350 | 50 | 2" | 20.5 | 65.5 | 9 | 66 | 70 | 60.3 |

STRAIGHT, REVOLVING COUPLING DEVICE - PG PITCH - IP54



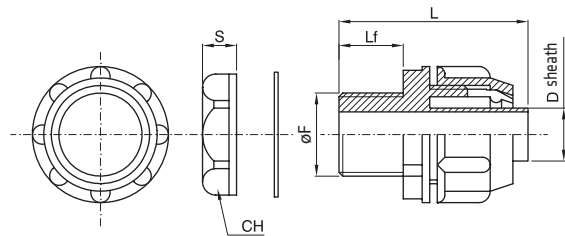
| Code (Grey) | Code (Black) | For sheaths Ø (mm) | PG pitch | Lf | L | S | CH | CH nut | øF |
|-------------|--------------|--------------------|----------|------|------|---|----|--------|------|
| DX 54 408 | DX 54 508 | 8 | 7 | 9.5 | 34 | 7 | 17 | 20 | 12.5 |
| DX 54 410 | DX 54 510 | 10 | 7 | 9.5 | 35.2 | 7 | 19 | 20 | 12.5 |
| DX 54 411 | DX 54 511 | 10 | 9 | 9.5 | 35.2 | 7 | 19 | 20 | 15.2 |
| DX 54 412 | DX 54 512 | 12 | 11 | 10 | 39.5 | 7 | 22 | 23 | 18.6 |
| DX 54 413 | DX 54 513 | 12 | 13.5 | 10 | 39.5 | 7 | 22 | 26 | 20.4 |
| DX 54 414 | DX 54 514 | 14 | 13.5 | 11.5 | 42 | 7 | 22 | 26 | 20.4 |
| DX 54 416 | DX 54 516 | 16 | 13.5 | 12.5 | 44.5 | 7 | 24 | 26 | 20.4 |
| DX 54 417 | DX 54 517 | 16 | 16 | 12.5 | 44.5 | 7 | 24 | 30 | 22.5 |
| DX 54 420 | DX 54 520 | 20 | 21 | 13.5 | 48 | 8 | 30 | 34 | 28.3 |
| DX 54 422 | DX 54 522 | 22 | 21 | 13.5 | 48 | 8 | 32 | 34 | 28.3 |
| DX 54 425 | DX 54 525 | 25 | 29 | 15.5 | 54 | 8 | 38 | 44 | 37 |
| DX 54 428 | DX 54 528 | 28 | 29 | 17.5 | 55 | 8 | 42 | 44 | 37 |
| DX 54 432 | DX 54 532 | 32 | 36 | 16.5 | 56.5 | 9 | 45 | 56 | 47 |
| DX 54 435 | DX 54 535 | 35 | 36 | 15.5 | 55 | 9 | 48 | 56 | 47 |

STRAIGHT, FIXED COUPLING DEVICE - METRIC PITCH - IP54



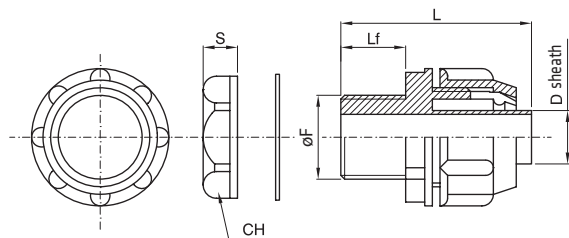
| Code (Grey) | For sheaths Ø (mm) | Df | Lf | L | S | CH |
|-------------|--------------------|-----------|----|----|-----|----|
| DX 56 008 | 8 | M12 X 1 | 15 | 33 | 7 | 18 |
| DX 56 010 | 10 | M16 X 1.5 | 20 | 46 | 7.5 | 22 |
| DX 56 012 | 12 | M16 X 1.5 | 20 | 46 | 7.5 | 22 |
| DX 56 014 | 14 | M16 X 1.5 | 20 | 46 | 7.5 | 22 |
| DX 56 016 | 16 | M20 X 1.5 | 20 | 49 | 7.5 | 27 |
| DX 56 022 | 20-22 | M25 X 1.5 | 20 | 53 | 8.5 | 32 |
| DX 56 025 | 25 | M25 X 1.5 | 20 | 53 | 8.5 | 32 |
| DX 56 028 | 28 | M32 X 1.5 | 20 | 55 | 8.5 | 41 |
| DX 56 040 | 40 | M40 X 1.5 | 20 | 55 | 9.5 | 48 |
| DX 56 050 | 50 | M50 X 1.5 | 19 | 61 | 9.5 | 58 |

STRAIGHT, FIXED COUPLING DEVICE - GAS PITCH - IP54



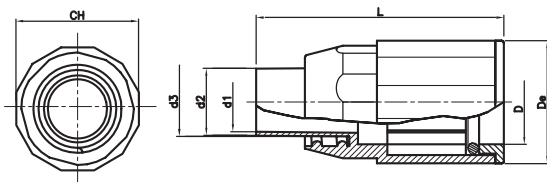
| Code | For sheaths Ø (mm) | GAS pitch | Lf | L | S | CH | øF |
|-----------|-----------------------|--------------|----|----|----|----|------|
| DX 56 208 | 8 | 1/4" | 15 | 33 | 7 | 19 | 13.5 |
| DX 56 210 | 10 | 1/4" | 20 | 46 | 7 | 19 | 13.5 |
| DX 56 212 | 12 | 3/8" | 20 | 46 | 7 | 24 | 17.2 |
| DX 56 214 | 14 | 3/8" | 20 | 46 | 7 | 28 | 17.2 |
| DX 56 216 | 16 | 1/2" | 20 | 49 | 7 | 28 | 21.3 |
| DX 56 222 | 20-22 | 3/4" | 20 | 53 | 7 | 34 | 26.9 |
| DX 56 225 | 25 | 3/4" | 20 | 53 | 7 | 34 | 26.9 |
| DX 56 228 | 28 | 1" | 20 | 55 | 8 | 40 | 33.7 |
| DX 56 232 | 32 | 1 1/4" | 20 | 55 | 10 | 50 | 42.4 |
| DX 56 235 | 35 | 1 1/4" | 20 | 55 | 10 | 50 | 42.4 |
| DX 56 240 | 40 | 1 1/2" | 20 | 55 | 10 | 58 | 48.3 |
| DX 56 250 | 50 | 2" | 19 | 61 | 8 | 70 | 60.3 |

STRAIGHT, FIXED COUPLING DEVICE - PG PITCH - IP54



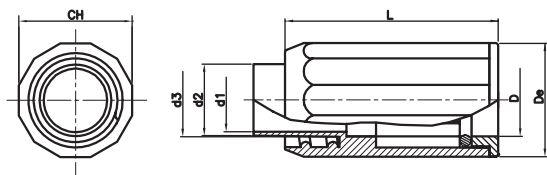
| Code | For sheaths Ø (mm) | PG pitch | Lf | L | S nut | CH | øF |
|-----------|-----------------------|----------|----|----|-------|----|------|
| DX 56 408 | 8 | 7 | 15 | 33 | 7 | 19 | 12.5 |
| DX 56 410 | 10 | 7 | 20 | 46 | 7 | 19 | 12.5 |
| DX 56 411 | 12 | 9 | 20 | 46 | 7 | 19 | 15.2 |
| DX 56 412 | 12 | 11 | 20 | 46 | 7 | 24 | 18.6 |
| DX 56 413 | 12 | 13.5 | 20 | 46 | 7 | 28 | 20.4 |
| DX 56 414 | 14 | 13.5 | 20 | 46 | 7 | 28 | 20.4 |
| DX 56 415 | 16 | 11 | 20 | 49 | 7 | 30 | 18.6 |
| DX 56 416 | 16 | 13.5 | 20 | 49 | 7 | 30 | 20.4 |
| DX 56 417 | 16 | 16 | 20 | 49 | 7 | 30 | 22.5 |
| DX 56 422 | 20-22 | 16 | 20 | 53 | 7 | 30 | 22.5 |
| DX 56 423 | 20-22 | 21 | 20 | 53 | 8 | 34 | 28.3 |
| DX 56 425 | 25 | 21 | 20 | 53 | 8 | 34 | 28.3 |
| DX 56 428 | 28 | 29 | 20 | 55 | 8 | 44 | 37 |
| DX 56 432 | 32 | 36 | 20 | 55 | 8 | 55 | 47 |
| DX 56 435 | 35 | 36 | 20 | 55 | 8 | 55 | 47 |
| DX 56 440 | 40 | 42 | 20 | 55 | 8 | 70 | 54 |
| DX 56 450 | 50 | 48 | 19 | 61 | 8 | 70 | 59.3 |

CONDUIT-SHEATH UNIONS MORBIDX® - IP65



| Code | For sheaths Ø (mm) | D | De | d1 | d2 | d3 | L | CH |
|-----------|-----------------------|------|------|------|----|------|------|----|
| DX 43 316 | 16 | 16.3 | 25 | 10.5 | 16 | 12.2 | 54.8 | 25 |
| DX 43 320 | 20 | 20.3 | 28.8 | 14.5 | 20 | 16.2 | 58 | 29 |
| DX 43 325 | 25 | 25.4 | 33.4 | 18.5 | 25 | 20.2 | 64 | 34 |
| DX 43 332 | 32 | 32.5 | 39.9 | 23.5 | 32 | 25 | 69.8 | 42 |
| DX 43 340 | 40 | 40.7 | 48.7 | 30 | 40 | 32.2 | 74.8 | 52 |
| DX 43 350 | 50 | 50.6 | 59.2 | 38 | 50 | 40.2 | 81.8 | 60 |



CONDUIT-SHEATH UNIONS MORBIDX® - EQUAL DIAMETER - IP65












| Code | For sheaths Ø (mm) | D | De | d1 | d2 | d3 | L | CH |
|-----------|-----------------------|------|------|------|------|----|------|----|
| DX 43 416 | 16 | 16.3 | 25 | 14 | 15.8 | 16 | 57.8 | 26 |
| DX 43 420 | 20 | 20.3 | 28.8 | 18 | 19.8 | 20 | 64 | 30 |
| DX 43 425 | 25 | 25.4 | 33.4 | 22.5 | 24.8 | 25 | 70 | 34 |
| DX 43 432 | 32 | 32.5 | 39.9 | 30 | 31.8 | 32 | 71.8 | 45 |
| DX 43 440 | 40 | 40.7 | 48.7 | 38 | 39.8 | 40 | 81.8 | 54 |

FU and PZ

CORRUGATED CABLE DUCTS DOUBLE SURFACE

| Diameter (mm) | 40 | 50 | 63 | 75 | 90 | 110 | 125 | 160 | 200 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|  <p>Corrugated cable ducts</p> | DX 35 000 | DX 35 001 | DX 35 002 | DX 35 003 | DX 35 004 | DX 35 005 | DX 35 006 | DX 35 008 | DX 35 009 |
|  <p>Couplings</p> | DX 58 200 | DX 58 201 | DX 58 202 | DX 58 203 | DX 58 204 | DX 58 205 | DX 58 206 | DX 58 208 | DX 58 209 |

THERMOPLASTIC ACCESS CHAMBERS

| Type | Dimensions (mm) | Complete access chambers | Access chambers without covers | Covers | | | | | | Separator Plate | Sealing gaskets | Kit of 4 screws | Central bolt for lifting kit |
|--|--------------------|--------------------------------|---|--|--|--|--|--|--|---------------------------|--------------------|--------------------|---------------------------------|
| | | | | Closed | | | Gridded | | | | | | |
| | | | | Grey | Green | Blue | Grey | Green | Blue | | | | |
| | | | |  |  |  |  |  |  | | | | |
| <div>Square base access chambers</div>  | 200x200x200 | DX 59 401 | DX 59 402 | DX 59 410 | DX 59 430 | | DX 59 411 | DX 59 431 | | DX 59 440 | DX 59 451 | DX 59 450 | |
| | 300x300x300 | DX 59 701 | DX 59 702 | DX 59 710 | DX 59 730 | | DX 59 711 | DX 59 731 | | DX 59 740 | DX 59 751 | DX 59 450 | |
| | 400x400x400 | DX 59 801 | DX 59 802 | DX 59 810 | DX 59 830 | | DX 59 811 | DX 59 831 | | DX 59 840 | DX 59 851 | DX 59 452 | DX 59 453 |
| | 550x550x520 | DX 59 901 | DX 59 902 | DX 59 910 | DX 59 930 | | DX 59 911 | DX 59 931 | | DX 59 940 | DX 59 951 | DX 59 452 | DX 59 453 |
| <div>Kit of 8 square base complete access chambers</div>  | 200x200x200 | DX 59 460 | | DX 59 410 | DX 59 430 | | DX 59 411 | DX 59 431 | | | DX 59 451 | DX 59 450 | |
| | 300x300x300 | DX 59 760 | | DX 59 710 | DX 59 730 | | DX 59 711 | DX 59 731 | | | DX 59 751 | DX 59 450 | |
| <div>Rectangular base access chambers</div>  | 360X260X326 | DX 59 501 | DX 59 502 | DX 59 511 | DX 59 230 | DX 59 220 | DX 59 520 | DX 59 231 | DX 59 221 | Transversal DX 59 240 | DX 59 551 | DX 59 650 | |
| | | | | | | | | | | Longitudinal DX 59 241 | | | |
| | | | | | | | | | | Diagonal DX 59 242 | | | |

FU/PZ

Cable duct and access chamber systems

The conformation of the FU cable ducts, in 9 diameters from 40 to 200 mm with built-in cable puller and joint supplied, allows the creation of very tight curvature radii and the laying in holes that are not perfectly straight. The range of PU electrical boxes, available in 5 sizes, is ideal for junctions and section breakers in electrical systems or telecommunications. These are provided with knock-outs for cable ducts and knockout back plates if overlapped.



Technical characteristics page 1481

CABLE DUCT



DOUBLE-WALL CORRUGATED CABLE DUCT IN HIGH-DENSITY PE



DX 35 000

CORRUGATED CABLE DUCT - DOUBLE WALL WITH CABLE PULLER PROBE - FU 15 - GREY RAL 7011

| Code | Cable duct Ø (mm) | Impact resistance | Pack Carton |
|-----------|-------------------|-------------------|-------------|
| DX 35 000 | 40 | 15 J | 50/500 |
| DX 35 001 | 50 | 15 J | 50/350 |
| DX 35 002 | 63 | 20 J | 50/300 |
| DX 35 003 | 75 | 20 J | 50/250 |
| DX 35 004 | 90 | 20 J | 50/250 |
| DX 35 005 | 110 | 28 J | 50/250 |
| DX 35 006 | 125 | 28 J | 25/100 |
| DX 35 008 | 160 | 40 J | 25/100 |
| DX 35 009 | 200 | 40 J | 25 |

ACCESSORIES SUPPLIED: 1 junction coupling per package.

CHARACTERISTICS: minimum bending radius equal to 8 times the outer diameter of the cable duct.

NOTE: the double wall corrugated cable duct Grey RAL 7011, as seen in the picture, will be available during year 2017 prior depletion of stocks of the old Grey RAL 7035 version.

COUPLING



DX 58 200

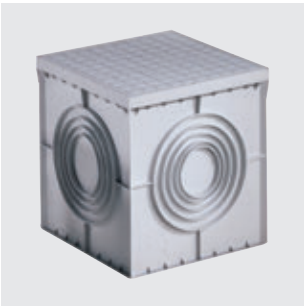
JUNCTION COUPLING

| Code | Cable duct Ø (mm) | Pack Carton |
|-----------|-------------------|-------------|
| DX 58 200 | 40 | 1/12 |
| DX 58 201 | 50 | 1/12 |
| DX 58 202 | 63 | 1/12 |
| DX 58 203 | 75 | 1/12 |
| DX 58 204 | 90 | 1/12 |
| DX 58 205 | 110 | 1/12 |
| DX 58 206 | 125 | 1/12 |
| DX 58 208 | 160 | 1/12 |
| DX 58 209 | 200 | 1/6 |

NOTE: the double wall corrugated cable duct coupling Grey RAL 7011, as seen in the picture, will be available during year 2017 prior depletion of stocks of the old Black RAL 9017 version.

THERMOPLASTIC ACCES CHAMBERS

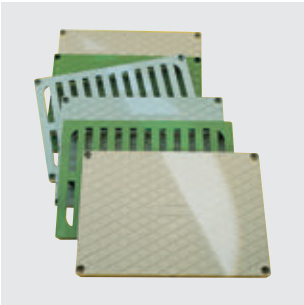
SQUARE ACCES CHAMBERS



DX 59 401

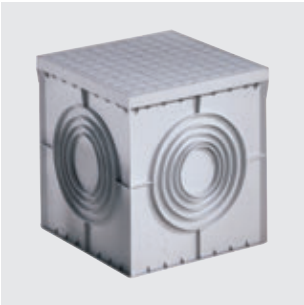
SQUARE ACCES CHAMBER 200X200X200

| Code | Characteristics | Colour | Pack Carton |
|-----------|--|--------|----------------|
| DX 59 401 | Flat knockout base and high resistance lid | Grey | 1/60 |
| DX 59 402 | Flat semi-pierced base for boosting | Grey | 1/60 |



COVERS AND COMPONENTS

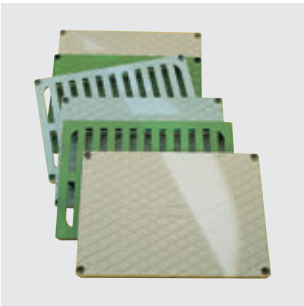
| Code | Description | Characteristics | Colour | Pack Carton |
|-----------|-----------------|-----------------------------|--------|----------------|
| DX 59 410 | Closed cover | High resistance | Grey | 1/5 |
| DX 59 430 | Closed cover | High resistance | Green | 1/5 |
| DX 59 411 | Gridded cover | High resistance | Grey | 1/5 |
| DX 59 431 | Gridded cover | High resistance | Green | 1/5 |
| DX 59 440 | Separator plate | | | 1/10 |
| DX 59 451 | Seal | | | 1/10 |
| DX 59 450 | 4 screws kit | Self-threading steel screws | | 1/50 |



DX 59 701

SQUARE ACCES CHAMBER 300X300X300

| Code | Characteristics | Colour | Pack Carton |
|-----------|--|--------|----------------|
| DX 59 701 | Flat knockout base and high resistance lid | Grey | 1/36 |
| DX 59 702 | Flat semi-pierced base for boosting | Grey | 1/36 |



COVERS AND COMPONENTS

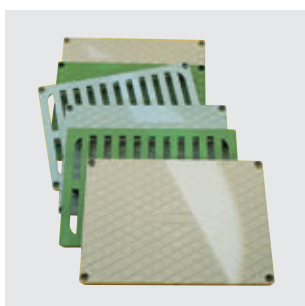
| Code | Description | Characteristics | Colour | Pack Carton |
|-----------|-----------------|-----------------------------|--------|----------------|
| DX 59 710 | Closed cover | High resistance | Grey | 1/5 |
| DX 59 730 | Closed cover | High resistance | Green | 1/5 |
| DX 59 711 | Gridded cover | High resistance | Grey | 1/5 |
| DX 59 731 | Gridded cover | High resistance | Green | 1/5 |
| DX 59 740 | Separator plate | | | 1/10 |
| DX 59 751 | Seal | | | 1/10 |
| DX 59 450 | 4 screws kit | Self-threading steel screws | | 1/50 |



DX 59 801

SQUARE ACCES CHAMBERS 400X400X400

| Code | Characteristics | Colour | Pack Carton |
|------------------|--|--------|-------------|
| DX 59 801 | Flat knockout base and high resistance lid | Grey | 1/18 |
| DX 59 802 | Flat semi-pierced base for boosting | Grey | 1/18 |


COVERS AND COMPONENTS

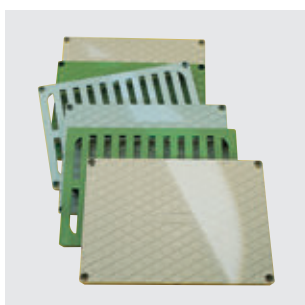
| Code | Description | Characteristics | Colour | Pack Carton |
|------------------|--------------------------------|-----------------------------|--------|-------------|
| DX 59 810 | Closed cover | High resistance | Grey | 1/5 |
| DX 59 830 | Closed cover | High resistance | Green | 1/5 |
| DX 59 811 | Gridded cover | High resistance | Grey | 1/5 |
| DX 59 831 | Gridded cover | High resistance | Green | 1/5 |
| DX 59 840 | Separator plate | | | 1/10 |
| DX 59 851 | Seal | | | 1/10 |
| DX 59 452 | 4 screws kit | Self-threading steel screws | | 1/50 |
| DX 59 453 | Kit - central bolt for lifting | | | 1/20 |



DX 59 901

SQUARE ACCES CHAMBERS 550X550X520

| Code | Characteristics | Colour | Pack Carton |
|------------------|--|--------|-------------|
| DX 59 901 | Flat knockout base and high resistance lid | Grey | 1/8 |
| DX 59 902 | Flat semi-pierced base for boosting | Grey | 1/8 |


COVERS AND COMPONENTS

| Code | Description | Characteristics | Colour | Pack Carton |
|------------------|--------------------------------|-----------------------------|--------|-------------|
| DX 59 910 | Closed cover | High resistance | Grey | 1/5 |
| DX 59 930 | Closed cover | High resistance | Green | 1/5 |
| DX 59 911 | Gridded cover | High resistance | Grey | 1/5 |
| DX 59 931 | Gridded cover | High resistance | Green | 1/5 |
| DX 59 940 | Separator plate | | | 1/10 |
| DX 59 951 | Seal | | | 1/10 |
| DX 59 452 | 4 screws kit | Self-threading steel screws | | 1/50 |
| DX 59 453 | Kit - central bolt for lifting | | | 1/20 |



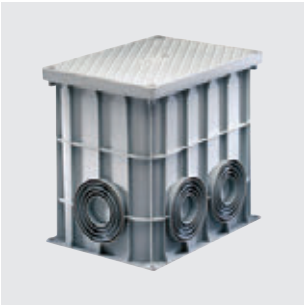
DX 59 460

KIT OF 8 STACKABLE ACCES CHAMBERS WITH SMOOTH BOTTOM

| Code | Characteristics | Colour | Pack Carton |
|------------------|--------------------------------|--------|-------------|
| DX 59 460 | High resistance lid 200x200 mm | Grey | 1/48 |
| DX 59 760 | High resistance lid 300x300 mm | Grey | 1/18 |

NOTE: the kit contains 8 access chambers, with smooth bottom, complete with lid; each kit pack is wrapped in plastic film.

RECTANGULAR ACCES CHAMBER

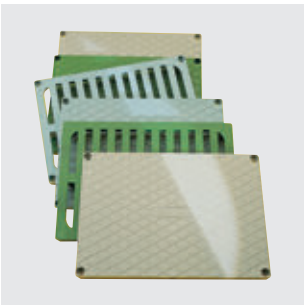


DX 59 501

RECTANGULAR ACCES CHAMBER 360X260X320

| Code | Characteristics | Accessories supplied | Colour | Pack Carton |
|-----------|-------------------------------------|--|--------|-------------|
| DX 59 501 | Flat semi-pierced base | Cover high resistance and 4 S/Steel screws | Grey | 1 |
| DX 59 502 | Flat semi-pierced base for boosting | 4 stainless steel screws | Grey | 1 |

NOTE: the lids supplied are without the gasket, available as an accessory DX59551.



COVERS AND COMPONENTS

| Code | Description | Characteristics | Colour | Pack Carton |
|-----------|-----------------|-----------------------------|------------|-------------|
| DX 59 511 | Closed cover | High resistance | Grey | 1/6 |
| DX 59 520 | Gridded cover | | Grey | 1/6 |
| DX 59 220 | Closed cover | | Light blue | 1/6 |
| DX 59 221 | Gridded cover | | Light blue | 1/6 |
| DX 59 230 | Closed cover | | Green | 1/6 |
| DX 59 231 | Gridded cover | | Green | 1/6 |
| DX 59 240 | Separator plate | Cross | | 1/6 |
| DX 59 241 | Separator plate | Longitudinal | | 1/4 |
| DX 59 242 | Separator plate | Diagonal | | 1/4 |
| DX 59 551 | Seal | | | 1/10 |
| DX 59 650 | 4 screws kit | Self-threading steel screws | | 1/50 |

FU and PZ



A WIDE,
PRACTICAL RANGE



A wide selection of square and rectangular electrical boxes, with the relative technical components. The rectangular electrical boxes can contain a double junction on the longer side, with the possibility to install longitudinal, transversal or diagonal dividers.

STACKABLE ELECTRICAL
BOXES WITH A SMOOTH
BACK-MOUNTING BOX



The special conformation of the stackable electrical boxes means they can be inserted one inside the other to save storage space. The smooth side walls enable entry from any position and with several conduits, which can then be connected at the sides of the electrical boxes with the aid of specific accessories.

DOUBLE-WALL
CABLE DUCTS



The special shape of the two walls of the FU cable ducts (available in 9 diameters from 40 to 200 mm, with a built-in cable-puller probe) speeds up cable insertion operations, allows the creation of minimum curve radiuses (equal to 8 times the external diameter of the conduit), and permits installation in imperfectly aligned holes.

CABLE DUCT

| | |
|--|--|
| Code: FU | Resistance to flame propagation: flame propagating |
| Colour: grey RAL 7035 | Resistance to bending: pliable |
| Material: high density polyethylene, strengthened with anti-UV of 1 year at 130 KLangley | Installation temperature: min. -10°C; max. +60°C |
| Length supplied: 50-25m rolls, depending on diameter | Compression strength: 450 N |
| Standard: EN 50086-1 and EN 50086-2-4+A1 | Impact resistance: normal |
| Classification: -N-- | Application field: electrical installations and/or data transmission |
| | Installation type: underground |

The minimum curvature radius obtainable with the cable ducts of the FU 15 Range is equal to 8 times the external diameter of the cable duct.

THERMOPLASTIC CHAMBER SYSTEMS

| | |
|-------------------------|---|
| Code: PZ | Application field: especially suitable for containing cut-out systems and earth connections in electrical systems and buried telecommunications systems |
| Colour: grey | Installation type: underground |
| Material: thermoplastic | |

Load resistance

| Version | Dimensions | Breaking load* (kg/cm²) |
|-------------|-------------|-------------------------|
| Square | 200x200x200 | 7.4 |
| Square | 300x300x300 | 4.8 |
| Square | 400x400x400 | 2 |
| Square | 550x550x520 | 2.7 |
| Rectangular | 360x260x320 | 7.7 |

* The breaking load values refer to closed high-resistance covers.

Breaking load in accordance to UNI EN 124.

It is advisable to firmly anchor the electrical boxes to the ground. Prepare a concrete bed of at least 10cm and cover the rest with earth and cement, taking care to avoid height differences between the electrical box cover and the ground surface.

FU and PZ

Dimension tables

FU15

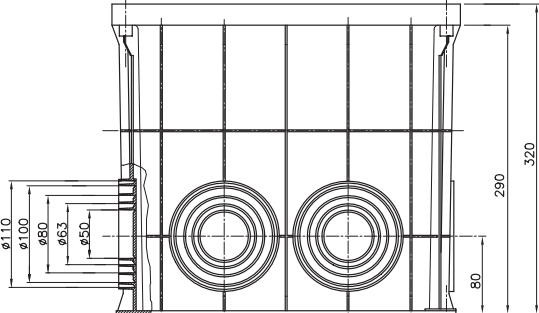
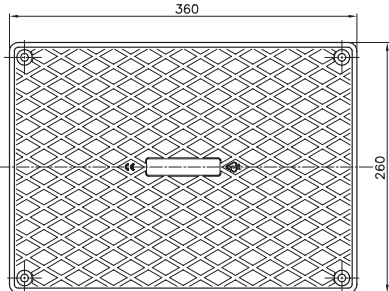
Technical drawing of the FU15 cable duct. The top view shows a circular cross-section with an outer diameter labeled 'D'. The side view shows a longitudinal section of the duct, which is a stack of horizontal segments. The minimum thickness of the segments is labeled 'd min.'.

| Code | Cable ducts Ø (mm) | D | | d. min. |
|-----------|-----------------------|-----|------------|---------|
| DX 35 000 | 40 | 40 | + 0.8 0 | 30 |
| DX 35 001 | 50 | 50 | +1 0 | 38 |
| DX 35 002 | 63 | 63 | + 1.2 0 | 46 |
| DX 35 003 | 75 | 75 | + 1.4 0 | 57 |
| DX 35 004 | 90 | 90 | + 1.7 0 | 68 |
| DX 35 005 | 110 | 110 | + 2 0 | 86 |
| DX 35 006 | 125 | 125 | + 2.3 0 | 98 |
| DX 35 007 | 140 | 140 | + 2.6 0 | 112 |
| DX 35 008 | 160 | 160 | + 2.9 0 | 126 |
| DX 35 009 | 200 | 200 | + 3.6 0 | 150 |

FUM

Technical drawing of the FUM cable duct. The side view shows a longitudinal section of the duct, which is a stack of horizontal segments. The outer diameter is labeled 'De', the inner diameter is labeled 'D', and the length is labeled 'L'. The top view shows a circular cross-section with an outer diameter labeled 'De' and an inner diameter labeled 'D'.

| Code | For cable ducts Ø (mm) | D | De | L |
|-----------|---------------------------|-------|-----|-----|
| DX 58 200 | 40 | 40.5 | 43 | 85 |
| DX 58 201 | 50 | 50.5 | 53 | 100 |
| DX 58 202 | 63 | 63.5 | 66 | 110 |
| DX 58 203 | 75 | 75.5 | 78 | 140 |
| DX 58 204 | 90 | 90.5 | 93 | 150 |
| DX 58 205 | 110 | 110.5 | 113 | 185 |
| DX 58 206 | 125 | 125.5 | 128 | 225 |
| DX 58 207 | 140 | 140.5 | 143 | 245 |
| DX 58 208 | 160 | 160.5 | 163 | 280 |
| DX 58 209 | 200 | 200.5 | 203 | 320 |

| RECTANGULAR ELECTRICAL BOXES - DX 59 501 - DX 59 502 | |
|---|--|
|  |  |

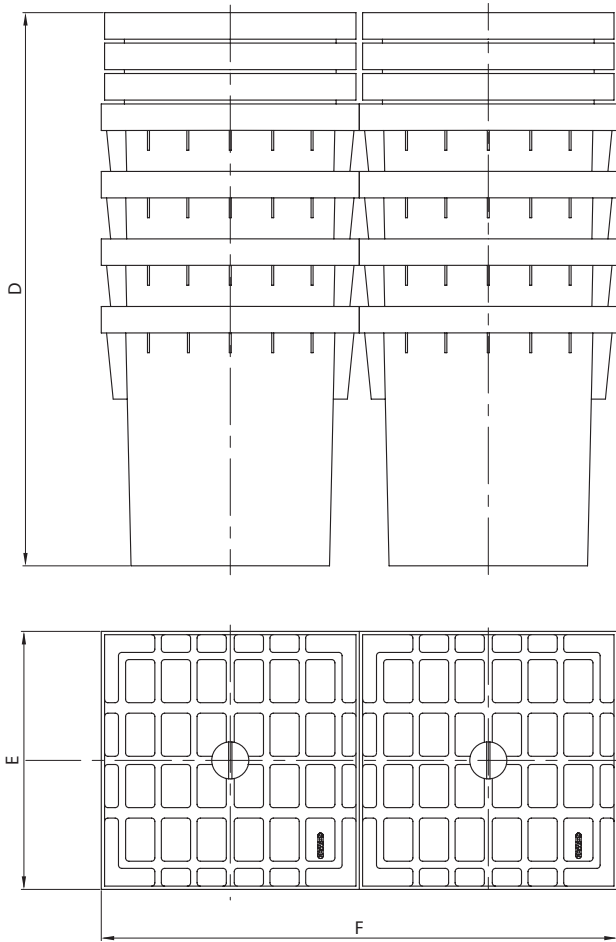
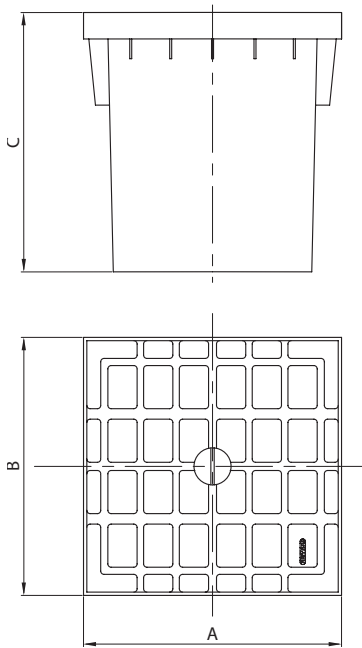
SQUARE ELECTRICAL BOXES

Technical drawing of a square electrical box. The front view (left) shows a square box with a diamond-patterned cover. Dimensions A and B are indicated. The side view (right) shows the box's profile with dimensions C and D. Mounting holes are labeled ø1, ø2, ø3, and ø4.

| Ø | | | | | | | | | | | |
|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|
| A | B | C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 200 | 200 | 200 | 50 | 75 | 90 | 110 | | | | | |
| 300 | 300 | 300 | | 75 | 90 | 110 | 125 | | | | |
| 400 | 400 | 400 | | | | 110 | 125 | 160 | 200 | 250 | |
| 550 | 550 | 520 | | | | | | 160 | 200 | 250 | 315 |

KIT OF STACKABLE ACCESS CHAMBERS WITH SMOOTH BOTTOM

| | A | B | C | D | E | F |
|---------|-----|-----|-----|-----|-----|-----|
| 200x200 | 190 | 190 | 196 | 418 | 190 | 380 |
| 300x300 | 289 | 289 | 290 | 569 | 289 | 578 |



| PLASTIC CABLE GLANDS | | | | | | | | | | METAL CABLE GLANDS | | | |
|----------------------|-----------|-------------------|-----------|----------------------|-------------------|---------------------|----------------------|-----------|-------------------|--------------------|--------------------|-----------|--------------------|
| Thread | IP68 | | IP66 | | IP66 with housing | | | IP54 | | IP68 | | IP 65 | |
| | Code | For cables Ø (mm) | Code | For cables Ø (mm) | Code | For conduits Ø (mm) | For cables Ø (mm) | Code | For cables Ø (mm) | Code | For cables Ø (mm) | Code | For cables Ø (mm) |
| PG7 | GW 52 071 | 3 ÷ 6,5 | GW 52 001 | 3 ÷ 6 | | | | GW 52 081 | 4 ÷ 6 | | | | |
| PG9 | GW 52 072 | 4 ÷ 8 | GW 52 002 | 5 ÷ 8 | | | | GW 52 082 | 4,5 ÷ 7 | | | | |
| PG11 | GW 52 073 | 5 ÷ 10 | GW 52 003 | 7 ÷ 10,5 | | | | GW 52 083 | 6 ÷ 9 | GW 76 825 | 4 ÷ 9 | GW 76 841 | 7,5/10/12,5 |
| PG13,5 | GW 52 074 | 6 ÷ 12 | GW 52 004 | 9 ÷ 12,5 | GW 52 024 | 16 | 9 ÷ 12,5 | GW 52 084 | 9 ÷ 12 | GW 76 826 | 7 ÷ 11 | GW 76 842 | 7,5/10/12,5 |
| PG16 | GW 52 075 | 10 ÷ 14 | GW 52 005 | 13 ÷ 16 | GW 52 025 | 20 | 13 ÷ 16 | GW 52 085 | 11 ÷ 14 | GW 76 827 | 10 ÷ 13 | GW 76 843 | 7,5/10/12,5 |
| PG21 | GW 52 076 | 13 ÷ 18 | GW 52 006 | 9 ÷ 10 17 ÷ 20 | GW 52 026 | 25 | 9 ÷ 10 17 ÷ 20 | GW 52 086 | 14 ÷ 18 | GW 76 828 | 12 ÷ 17 | GW 76 844 | 10/13/16/19 |
| PG29 | GW 52 077 | 18 ÷ 25 | GW 52 007 | 13,5 ÷ 15 21 ÷ 26 | GW 52 027 | 32 | 13,5 ÷ 15 21 ÷ 26 | GW 52 087 | 18 ÷ 25 | GW 76 829 | 17 ÷ 24 | GW 76 845 | 18/21/24/27 |
| PG36 | GW 52 078 | 22 ÷ 32 | GW 52 008 | 17 ÷ 20 30 ÷ 34 | GW 52 028 | 40 | 17 ÷ 20 30 ÷ 34 | GW 52 088 | 26 ÷ 32 | GW 76 830 | 20 ÷ 26 27 ÷ 24 | GW 76 846 | 24/27/30/33 |
| PG42 | GW 52 079 | 30 ÷ 38 | GW 52 009 | 36 ÷ 39 40 ÷ 43 | GW 52 029 | 50 | 36 ÷ 39 40 ÷ 43 | | | GW 76 897 | 32 ÷ 36 | GW 76 847 | 30/33/36/39 |
| PG48 | GW 52 080 | 34 ÷ 44 | GW 52 010 | 38 ÷ 40 46 ÷ 50 | | | | | | | | | |
| M12 | GW 52 042 | 3 ÷ 6,5 | | | | | | | | GW 76 894 | 3 ÷ 6,5 | | |
| M16 | GW 52 043 | 5 ÷ 10 | | | | | | | | GW 76 896 | 4 ÷ 9 | | |
| M20 | GW 52 044 | 10 ÷ 14 | | | | | | | | GW 76 831 | 10 ÷ 13 | GW 76 848 | 4/7/10/13 |
| M25 | GW 52 045 | 13 ÷ 18 | | | | | | | | GW 76 832 | 12 ÷ 17 | GW 76 849 | 8,5/11,5/14,5/17,5 |
| M32 | GW 52 046 | 18 ÷ 25 | | | | | | | | GW 76 833 | 14 ÷ 21 | GW 76 850 | 16/19/22/25 |
| M40 | GW 52 047 | 22 ÷ 32 | | | | | | | | GW 76 834 | 19 ÷ 27 | GW 76 851 | 23/26/29/32 |
| M50 | GW 52 048 | 30 ÷ 38 | | | | | | | | GW 76 835 | 25 ÷ 34 | GW 76 852 | 30/33/36/39 |
| M63 | GW 52 049 | 35 ÷ 44 | | | | | | | | GW 76 895 | 34 ÷ 48 | | |

| | PLASTIC ACCESSORIES | | | METAL ACCESSORIES | | | | | | GASKETS |
|--------|---------------------|-----------|--------------|-------------------|-----------|--------------|------------|-------------|---------------|-----------------|
| | Caps | Nuts | | Caps | Nuts | | Extensions | | | O-ring for caps |
| Thread | Code | Code | Spanner (mm) | Code | Code | Spanner (mm) | Code | Male thread | Female thread | Code |
| PG7 | GW 52 361 | GW 52 341 | 19 | | | | | | | GW 52 441 |
| PG9 | GW 52 362 | GW 52 342 | 22 | | | | | | | GW 52 442 |
| PG11 | GW 52 363 | GW 52 343 | 24 | GW 76 980 | GW 76 957 | 21 | GW 76 865 | PG11 | PG13,5 | GW 52 443 |
| PG13,5 | GW 52 364 | GW 52 344 | 27 | GW 76 981 | GW 76 958 | 23 | GW 76 866 | PG13,5 | PG16 | GW 52 444 |
| PG16 | GW 52 365 | GW 52 345 | 30 | GW 76 982 | GW 76 959 | 26 | GW 76 867 | PG16 | PG21 | GW 52 445 |
| PG21 | GW 52 366 | GW 52 346 | 36 | GW 76 983 | GW 76 960 | 32 | GW 76 868 | PG21 | PG29 | GW 52 446 |
| PG29 | GW 52 367 | GW 52 347 | 46 | GW 76 984 | GW 76 961 | 41 | GW 76 869 | PG29 | PG36 | GW 52 447 |
| PG36 | GW 52 368 | GW 52 348 | 60 | GW 76 985 | GW 76 962 | 51 | | | | GW 52 448 |
| PG42 | GW 52 369 | GW 52 349 | 65 | GW 76 986 | GW 76 963 | 60 | | | | GW 52 449 |
| PG48 | GW 52 370 | GW 52 350 | 70 | | | | | | | GW 52 450 |
| M12 | GW 52 372 | GW 52 352 | 18 | GW 76 972 | GW 76 966 | 15 | | | | GW 52 452 |
| M16 | GW 52 373 | GW 52 353 | 22 | GW 76 973 | GW 76 951 | 19 | | | | GW 52 453 |
| M20 | GW 52 374 | GW 52 354 | 26 | GW 76 975 | GW 76 952 | 23 | GW 76 870 | M20 | M25 | GW 52 454 |
| M25 | GW 52 375 | GW 52 355 | 32 | GW 76 976 | GW 76 953 | 29 | GW 76 871 | M25 | M32 | GW 52 455 |
| M32 | GW 52 376 | GW 52 356 | 41 | GW 76 977 | GW 76 954 | 36 | GW 76 872 | M32 | M40 | GW 52 456 |
| M40 | GW 52 377 | GW 52 357 | 50 | GW 76 978 | GW 76 955 | 45 | GW 76 873 | M40 | M50 | GW 52 457 |
| M50 | GW 52 378 | GW 52 358 | 60 | GW 76 979 | GW 76 956 | 55 | | | | GW 52 458 |
| M63 | GW 52 379 | GW 52 359 | 75 | GW 76 974 | GW 76 967 | 70 | | | | GW 52 459 |

METAL CABLE GLANDS WITH FIXING NUTS - IP68 - ATEX VERSION







| Cable glands | | | | Fixing nuts | | | |
|--------------|---|--------|---|-------------|---|--------|---|
| Thread |  | Thread |  | Thread |  | Thread |  |
| PG7 | GW 76 901 | M12 | GW 76 921 | PG7 | GW 76 941 | M12 | GW 76 949 |
| PG9 | GW 76 902 | M16 | GW 76 922 | PG9 | GW 76 942 | M16 | GW 76 951 |
| PG11 | GW 76 903 | M20 | GW 76 923 | PG11 | GW 76 957 | M20 | GW 76 952 |
| PG13,5 | GW 76 904 | M25 | GW 76 924 | PG13,5 | GW 76 958 | M25 | GW 76 953 |
| PG16 | GW 76 905 | M32 | GW 76 925 | PG16 | GW 76 959 | M32 | GW 76 954 |
| PG21 | GW 76 906 | M40 | GW 76 926 | PG21 | GW 76 960 | M40 | GW 76 955 |
| PG29 | GW 76 907 | M50 | GW 76 927 | PG29 | GW 76 961 | M50 | GW 76 956 |
| PG36 | GW 76 908 | M63 | GW 76 928 | PG36 | GW 76 962 | M63 | GW 76 950 |
| PG42 | GW 76 909 | | | PG42 | GW 76 963 | | |
| PG48 | GW 76 910 | | | PG48 | GW 76 943 | | |

NOTE: the ATEX products are only available in the following countries: Austria, France, Germany, Italy, Liechtenstein, Luxemburg, the Principality of Monaco, the United Kingdom and Spain. For all other countries, contact GEWISS Technical service assistance.






COUPLINGS FOR CONDUITS AND CABLES

| For conduits/cables (mm) | Conduit-box couplings | | | | Conduit-box couplings in flexible polymer IP44 | | Cable glands in flexible polymer IP55 | |
|-----------------------------|-----------------------|--------------------------|---------------------------|--------------------------------|---|-----------------------|---------------------------------------|-----------------------|
| | Code | Assembly hole (mm) | IP with rigid conduits | IP with corrugated conduits | Code | Assembly hole (mm) | Code | Assembly hole (mm) |
| 16 | GW 50 415 | 20 | IP66 | IP54 | GW 50 421 | 23 | GW 50 428 | 19 |
| 20 | GW 50 416 | 23 | IP66 | IP54 | GW 50 422 | 23 | GW 50 429 | 23 |
| | | | | | GW 50 423 | 29 | | |
| 25 | GW 50 417 | 29 | IP66 | IP54 | GW 50 424 | 29 | GW 50 430 | 29 |
| 32 | GW 50 418 | 37 | IP66 | IP54 | GW 50 425 | 37 | GW 50 431 | 37 |
| 40 | GW 50 419 | 48 | IP66 | IP44 | GW 50 426 | 37 | GW 50 432 | 48 |
| 50 | GW 50 420 | 54 | IP66 | IP44 | GW 50 427 | 42 | | |





PLASTIC FIXING DEVICES

| Ø conduits (mm) | Clip-on supports | Collar supports | Rail for clip-on and collar supports | Collar supports with automatic clip fixing | Rail for collar supports with automatic clip fixing | Supports with multi-diameter clamp |
|-----------------|---|---|---|--|---|---|
| 16 |  |  |  |  |  |  |
| 20 | GW 50 601 | GW 50 605 | GW 50 609 | GW 50 641 | GW 50 645 | GW 50 651 |
| 25 | GW 50 602 | GW 50 606 | GW 50 609 | GW 50 642 | GW 50 645 | GW 50 651 |
| 32 | GW 50 603 | GW 50 607 | GW 50 609 | GW 50 643 | GW 50 645 | GW 50 652 |
| 40 | GW 50 604 | GW 50 608 | GW 50 609 | GW 50 643 | GW 50 645 | GW 50 652 |
| 50 | GW 50 628 | GW 50 630 | GW 50 609 | GW 50 644 | GW 50 645 | GW 50 653 |
| 63 | GW 50 629 | GW 50 631 | GW 50 609 | | | GW 50 653 |

PLASTIC FIXING DEVICES

| Ø conduits (mm) | Re-openable fixing collars | Non re-openable fixing collars | Wall plugs | Single staple without nail | Double staple without nail |
|-----------------|--|--|---|--|--|
| |  |  |  Wall plug Ø 6mm Wall plug Ø 8mm |  |  |
| 16 | DX 51 120 | DX 51 232 | DX 51 306 | GW 50 671 | GW 50 681 |
| 20 | DX 51 120 | DX 51 232 | DX 51 306 | GW 50 672 | GW 50 682 |
| 25 | | DX 51 232 | DX 51 263 | GW 50 673 | GW 50 683 |
| 32 | | DX 51 232 | DX 51 263 | | |
| 40 | | | DX 51 263 | | |
| 60 | | | DX 51 263 | | |
| 63 | | | DX 51 263 | | |

FIXING SUPPORTS AND ACCESSORIES FOR CABLES

| Ø cables (mm) | Staples with nail | Width of flat cables (mm) | Staples with nail for flat cables | Single fixing clamp for cables | Double fixing clamp for cables |
|---------------|---|---------------------------|---|---|---|
| 3-4 |  | |  |  |  |
| 5-6 | GW 50 610 | | | | |
| | GW 50 611 | 5-6 | GW 50 623 | | |
| | GW 50 621* | | | | |
| 7-8 | GW 50 612 | 7-8 | GW 50 624 | | |
| | GW 50 622* | | | | |
| 9-10 | GW 50 613 | 10-11 | GW 50 625 | | |
| 11-12 | GW 50 614 | | | | |
| 13-14 | GW 50 615 | | | | |
| 15-16 | GW 50 616 | | | | |
| 19-20 | GW 50 617 | | | | |
| 21-22 | GW 50 618 | | | | |
| 25-26 | GW 50 619 | | | | |
| 31-32 | GW 50 620 | | | | |

* Colour: White

PLASTIC FIXING DEVICES WITH INCORPORATED WALL PLUG

| Ø conduits (mm) | Clip-on support with incorporated wall plug | | Collar support with incorporated wall plug - high performance levels | | Double collar support with incorporated wall plug - high performance levels | | Single staple with incorporated wall plug | | Double staple with incorporated wall plug | |
|--------------------|--|---------------------|--|---------------------|---|---------------------|--|---------------------|--|---------------------|
| | Code | Wall plug Ø (mm) | Code | Wall plug Ø (mm) | Code | Wall plug Ø (mm) | Code | Wall plug Ø (mm) | Code | Wall plug Ø (mm) |
| 16 | GW 50 706 | 6 | GW 50 716 | 6 | GW 50 726 | 8 | GW 50 776 | 8 | GW 50 786 | 8 |
| 20 | GW 50 707 | 6 | GW 50 717 | 8 | GW 50 727 | 10 | GW 50 777 | 8 | GW 50 787 | 8 |
| 25 | GW 50 708 | 6 | GW 50 718 | 10 | GW 50 728 | 10 | GW 50 778 | 8 | GW 50 788 | 8 |
| 32 | GW 50 709 | 8 | | | | | | | | |

METAL FIXING DEVICES





| Ø cables/conduits (mm) | Galvanized steel collars with 2 screws | | Galvanized steel collars with 2 screws and incorporated wall plug | | Galvanized steel staples with a single hole | | Galvanized steel staples with a double hole | |
|---------------------------|---|--|--|---------------------|--|--|--|--|
| | | | Code | Wall plug Ø (mm) | | | | |
| 10-11 | GW 50 801 | | | | GW 50 811 | | GW 50 821 | |
| 12-13 | GW 50 802 | | | | GW 50 812 | | GW 50 822 | |
| 14-15 | GW 50 803 | | | | GW 50 813 | | GW 50 823 | |
| 16-17 | GW 50 804 | | GW 50 841 | 6 | GW 50 814 | | GW 50 824 | |
| 19-20 | GW 50 805 | | GW 50 842 | 6 | GW 50 815 | | GW 50 825 | |
| 21-22 | GW 50 806 | | | | GW 50 816 | | GW 50 826 | |
| 25-26 | GW 50 807 | | GW 50 843 | 8 | GW 50 817 | | GW 50 827 | |
| 31-32 | GW 50 808 | | GW 50 844 | 8 | GW 50 818 | | GW 50 828 | |
| 38-40 | GW 50 809 | | GW 50 845 | 8 | GW 50 819 | | GW 50 829 | |
| 48-50 | GW 50 810 | | GW 50 846 | 8 | GW 50 820 | | GW 50 830 | |






FIXING SUPPORTS AND ACCESSORIES FOR CONDUITS/CABLES




| Ø cables/conduits (mm) | Tie support with incorporated wall plug | | Tie support with incorporated wall plug | |
|---------------------------|--|---------------------|--|---------------------|
| | Code | Wall plug Ø (mm) | Code | Wall plug Ø (mm) |
| 3÷13 | GW 50 666 | 6 | | |
| 8÷26 | | | GW 50 667 | 6 |

FIXING STRAPS


| Galvanized steel fixing strap - 10m | Fabric fixing strap - 10m | Firing pin for manual nailing | Steel nail, 18mm long |
|---|--|---|---|
|  |  |  |  |
| GW 50 791 | GW 50 792 | GW 50 798 | GW 50 799 |






| CONDUITS Ø (mm) | RK RANGE - IP40 COUPLINGS | | | |
|--------------------|---|---|--|---|
| | Coupling IP40  | Tight radius elbow IP40  | Controllable "T" joint IP40  | Controllable elbow IP40  |
| 16 | DX 40 016 | DX 40 116 | DX 40 216 | DX 40 316 |
| 20 | DX 40 020 | DX 40 120 | DX 40 220 | DX 40 320 |
| 25 | DX 40 025 | DX 40 125 | DX 40 225 | DX 40 325 |
| 32 | DX 40 032 | DX 40 132 | DX 40 232 | DX 40 332 |
| 40 | DX 40 040 | DX 40 140 | | |
| 50 | DX 40 050 | DX 40 150 | | |
| 63 | DX 40 063 | DX 40 163 | | |

| CONDUITS Ø (mm) | MORBIDX RANGE - WATERTIGHT COUPLINGS | | | | | | | |
|--------------------|--|---|--|------------------|--|------------------|---|------------------|
| | Coupling IP67  | Tight radius elbow IP67  | Conduit-box coupling IP67  | | Conduit-sheath coupling IP65  | | Conduit-sheath coupling (equal diameter) IP65  | |
| | Code | Code | Metric pitch | Code | Sheath Ø | Code | Sheath Ø | Code |
| 16 | DX 43 016 | DX 43 116 | M16x1,5 | DX 43 216 | 12 | DX 43 316 | 16 | DX 43 416 |
| 20 | DX 43 020 | DX 43 120 | M20x1,5 | DX 43 220 | 16 | DX 43 320 | 20 | DX 43 420 |
| 25 | DX 43 025 | DX 43 125 | M25x1,5 | DX 43 225 | 20 | DX 43 325 | 25 | DX 43 425 |
| 32 | DX 43 032 | DX 43 132 | M32x1,5 | DX 43 232 | 25 | DX 43 332 | 28 | DX 43 432 |
| 40 | DX 43 040 | DX 43 140 | M40x1,5 | DX 43 240 | 32 | DX 43 340 | 40 | DX 43 440 |
| 50 | DX 43 050 | DX 43 150 | M50x1,5 | DX 43 250 | 40 | DX 43 350 | | |

| CONDUITS Ø (mm) | FLEXIBLE COUPLINGS | | |
|--------------------|---|---|---|
| | Flexible couplings SPEEDY-FLEX range | | La Svolta conduit-conduit |
| |  |  |  |
| | IP66 | IP44 | IP 65 |
| 16 | GW 50 201 | GW 50 207 | DX 43 516 |
| 20 | GW 50 202 | GW 50 208 | DX 43 520 |
| 25 | GW 50 203 | GW 50 209 | DX 43 525 |
| 32 | GW 50 204 | GW 50 210 | DX 43 532 |
| 40 | GW 50 205 | GW 50 211 | DX 43 540 |
| 50 | GW 50 206 | GW 50 212 | DX 43 550 |

In bold: versions with halogen-free material.




| STRAIGHT ROTATING COUPLING DEVICES - IP54 RANGE | | | | | | | | | |
|---|---------|---|---|-----------|---|--|------------|---|---|
| Ø sheaths (mm) | Grey | | Black | | Grey | | Black | | |
| | M pitch |  |  | GAS pitch |  |  | PG pitch |  |  |
| 8 | M12 | DX 54 008 | DX 54 108 | 1/4" | DX 54 208 | DX 54 308 | 7 | DX 54 408 | DX 54 508 |
| 10 | M16 | DX 54 010 | DX 54 110 | 1/4" | DX 54 210 | DX 54 310 | 7 9 | DX 54 410 DX 54 411 | DX 54 510 DX 54 511 |
| 12 | M16 | DX 54 012 | DX 54 112 | 3/8" | DX 54 212 | DX 54 312 | 11 13,5 | DX 54 412 DX 54 413 | DX 54 512 DX 54 513 |
| 14 | | | | 1/2" | DX 54 214 | DX 54 314 | 13,5 | DX 54 414 | DX 54 514 |
| 16 | M20 | DX 54 016 | DX 54 116 | 1/2" | DX 54 216 | DX 54 316 | 13,5 16 | DX 54 416 DX 54 417 | DX 54 516 DX 54 517 |
| 20 | M25 | DX 54 020 | DX 54 120 | 3/4" | DX 54 220 | DX 54 320 | 21 | DX 54 420 | DX 54 520 |
| 22 | M25 | DX 54 022 | DX 54 122 | 3/4" | DX 54 222 | DX 54 322 | 21 | DX 54 422 | DX 54 522 |
| 25 | M32 | DX 54 025 | DX 54 125 | 1" | DX 54 225 | DX 54 325 | 29 | DX 54 425 | DX 54 525 |
| 28 | M32 | DX 54 028 | DX 54 128 | 1" | DX 54 228 | DX 54 328 | 29 | DX 54 428 | DX 54 528 |
| 32 | M40 | DX 54 032 | DX 54 132 | 1 1/4" | DX 54 232 | DX 54 332 | 36 | DX 54 432 | DX 54 532 |
| 35 | | | | 1 1/4" | DX 54 235 | DX 54 335 | 36 | DX 54 435 | DX 54 535 |
| 40 | M50 | DX 54 040 | DX 54 140 | 1 1/2" | DX 54 240 | DX 54 340 | | | |
| 50 | M63 | DX 54 050 | DX 54 150 | 2" | DX 54 250 | DX 54 350 | | | |

| Ø sheaths (mm) | STRAIGHT FIXED COUPLING DEVICES - IP54 RANGE | | | | | | COUPLING DEVICES IP65 | | | |
|-------------------|--|---|-----------|---|----------|---|------------------------------|--|--|---|
| | M pitch |  | GAS pitch |  | PG pitch |  | Conduit-sheath pipe coupling | | Conduit-sheath coupling (equal diameter) | |
| | | | | | | | Ø conduits (mm) |  | Ø conduits (mm) |  |
| 8 | M12 | DX 56 008 | 1/4" | DX 56 208 | 7 | DX 56 408 | | | | |
| 10 | M16 | DX 56 010 | 1/4" | DX 56 210 | 7 | DX 56 410 | | | | |
| 12 | M16 | DX 56 012 | 3/8" | DX 56 212 | 9 | DX 56 411 | 16 | DX 43 316 | | |
| | | | | | 11 | DX 56 412 | | | | |
| | | | | | 13,5 | DX 56 413 | | | | |
| 14 | M16 | DX 56 014 | 1/2" | DX 56 214 | 13,5 | DX 56 414 | | | | |
| 16 | M20 | DX 56 016 | 1/2" | DX 56 216 | 11 | DX 56 415 | 20 | DX 43 320 | 16 | DX 43 416 |
| | | | | | 13,5 | DX 56 416 | | | | |
| | | | | | 16 | DX 56 417 | | | | |
| 20 | M25 | DX 56 022 | 3/4" | DX 56 222 | 16 | DX 56 422 | 25 | DX 43 325 | 20 | DX 43 420 |
| | | | | | 21 | DX 56 423 | | | | |
| 22 | M25 | DX 56 022 | 3/4" | DX 56 222 | 16 | DX 56 422 | | | | |
| | | | | | 21 | DX 56 423 | | | | |
| 25 | M25 | DX 56 025 | 3/4" | DX 56 225 | 21 | DX 56 425 | 32 | DX 43 332 | 25 | DX 43 425 |
| 28 | M32 | DX 56 028 | 1" | DX 56 228 | 29 | DX 56 428 | | | 32 | DX 43 432 |
| 32 | | | 1 1/4" | DX 56 232 | 36 | DX 56 432 | 40 | DX 43 340 | | |
| 35 | | | 1 1/4" | DX 56 235 | 36 | DX 56 435 | | | | |
| 40 | M40 | DX 56 040 | 1 1/4" | DX 56 240 | 42 | DX 56 440 | 50 | DX 43 350 | 40 | DX 43 440 |
| 50 | M50 | DX 56 050 | 2" | DX 56 250 | 48 | DX 56 450 | | | | |


CABLE TIES

| Dimensions LxH (mm) | Tightening capacity Ø (mm) | STANDARD TYPE | FOR HEAVY DUTY | RE-OPENABLE | WITH EYELET | WITH PLATE |
|---------------------|----------------------------|---------------|----------------|-------------|-------------|------------|
| 2,4x75 | 1.5 - 18 | GW 52 231 | GW 52 251 | - | - | - |
| 2,5x96 | 1.5 - 23 | GW 52 232 | GW 52 252 | - | - | - |
| 2,5x100 | 1.5 - 25 | - | - | - | GW 52 281 | - |
| 2,5x100 | 5 - 25 | - | - | - | - | GW 52 291 |
| 2,5x110 | 1.5 - 25 | - | - | - | - | GW 52 292 |
| 2,5x140 | 1.5 - 35 | GW 52 233 | GW 52 253 | - | - | - |
| 2,5x200 | 10 - 50 | - | - | - | - | GW 52 293 |
| 2,5x203 | 1.5 - 55 | GW 52 234 | GW 52 254 | - | - | - |
| 3,6x150 | 2.5 - 39 | GW 52 235 | GW 52 255 | - | - | - |
| 3,6x203 | 2.5 - 55 | GW 52 236 | GW 52 256 | - | - | - |
| 3,6x292 | 2.5 - 85 | GW 52 237 | GW 52 257 | - | - | - |
| 4,2x205 | 2.5 - 60 | - | - | - | GW 52 282 | - |
| 4,6x200 | 10 - 50 | - | - | - | - | GW 52 294 |
| 4,8x190 | 3 - 52 | GW 52 238 | GW 52 258 | - | - | - |
| 4,8x280 | 3 - 81 | GW 52 239 | GW 52 259 | - | - | - |
| 4,8x368 | 3 - 182 | GW 52 240 | GW 52 260 | - | - | - |
| 7,6x150 | 4 - 35 | - | - | GW 52 271 | - | - |
| 7,6x200 | 4 - 50 | - | - | GW 52 272 | - | - |
| 7,6x300 | 4 - 80 | - | - | GW 52 273 | - | - |
| 7,6x380 | 4 - 110 | GW 52 241 | GW 52 261 | - | - | - |
| 9,0x610 | 5 - 185 | GW 52 242 | GW 52 262 | - | - | - |
| 9,0x914 | 5 - 270 | GW 52 243 | GW 52 263 | - | - | - |




TECHNICAL COMPONENTS AND ACCESSORIES FOR CABLE TIES


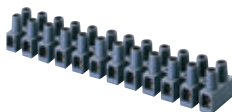
| | | | |
|-------------------------------------|---|-----------|------------------------------------|
| Self-adhesive fixing clips for ties |  | GW 52 226 | For tie widths up to 4.5mm |
| | | GW 52 227 | For tie widths up to 5mm |
| Fixing supports for ties |  | GW 52 228 | For tie widths up to 5mm |
| | | GW 52 229 | For tie widths up to 9mm |
| Tie-puller clamp |  | GW 52 410 | Tie-puller clamp for standard ties |



OUTDOOR TIES



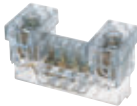



| Dimensions LxH (mm) | Tightening capacity Ø (mm) | LTR TIES | |
|---------------------|----------------------------|--|--|
| | |  | |
| 6x115 | 5 - 25 | GW 52 201 | |
| 6x180 | 9 - 45 | GW 52 202 | |
| 6x290 | 20 - 78 | GW 52 203 | |
| 9x180 | 10 - 40 | GW 52 204 | |
| 9x265 | 26 - 60 | GW 52 205 | |
| 9x360 | 26 - 93 | GW 52 206 | |
| 9x510 | 70 - 140 | GW 52 207 | |
| 9x760 | 70 - 220 | GW 52 208 | |




TECHNICAL COMPONENTS AND ACCESSORIES FOR OUTDOOR TIES

| | | | |
|---------------------------|---|-----------|-----------------------------------|
| Supports for outdoor ties |  | GW 52 209 | Screw support |
| Fixing supports for ties |  | GW 52 210 | Wall plug support |
| Tie-puller clamp |  | GW 52 411 | Tie-puller clamp for outdoor ties |






| CONNECTION CAPACITY | 44 MS - MOBILE AND MODULAR TERMINAL BLOCKS | | | |
|---------------------|---|-----------------------|---|-----------|
| | MODULAR BARS TRAILING TERMINAL BLOCKS TRANSPARENT - IP20 | | 12-POLE MODULAR TERMINAL BLOCKS WITH BRASS TERMINALS - BLACK | |
| |  | SCREW TYPE: SLOTTED |  | |
| 2,5 mm² | | GW 44 661 | | GW 44 601 |
| 4 mm² | | GW 44 665 | | GW 44 602 |
| 6 mm² | | GW 44 662 | | |
| 10 mm² | | GW 44 663 | | GW 44 603 |
| 16 mm² | | GW 44 664 | | GW 44 604 |
| | | SCREW TYPE: HEXAGONAL | | |
| 25 mm² | | GW 44 666 | | GW 44 605 |
| 35 mm² | | GW 44 667 | | |

| CONNECTION CAPACITY | 44 MM - MULTI-POLE TERMINAL BLOCKS | | | |
|---------------------|---|-----------|---|-----------|
| | PRESS-ON FIXING MULTI-POLE TERMINAL BLOCKS - GREY RAL 7035 | | SCREW-ON FIXING MULTI-POLE FEEDTHROUGH TERMINAL BLOCKS - GREY RAL 7035 | |
| |  | |  | |
| 3 poles x 4 mm² | | GW 44 606 | | |
| 3 poles x 6 mm² | | | | GW 44 609 |
| 3 poles x 16 mm² | | | | GW 44 611 |
| 3 poles x 35 mm² | | | | GW 44 613 |
| 4 poles x 4 mm² | | GW 44 607 | | |
| 5 poles x 4 mm² | | GW 44 608 | | |
| 5 poles x 6 mm² | | | | GW 44 610 |
| 5 poles x 16 mm² | | | | GW 44 612 |
| 5 poles x 35 mm² | | | | GW 44 614 |














| CONNECTION CAPACITY | 44 ME - SINGLE-POLE EQUIPOTENTIAL TERMINAL BLOCKS | | |
|--|--|-----------|-----------|
| | SINGLE-POLE EQUIPOTENTIAL TERMINAL BLOCKS WITH INDIRECT PLATE-TIGHTENING - TRANSPARENT | | |
| |  | | GW 44 704 |
| | | | GW 44 706 |
| | | GW 44 708 | |
| Support for fixing on DIN rail |  | | GW 44 720 |
| SINGLE-POLE EQUIPOTENTIAL TERMINAL BLOCKS WITH INDIRECT SCREW-TIGHTENING - TRANSPARENT | | | |
| 3 way x 6 mm² |  | | GW 44 671 |
| 5 way x 6 mm² | | | GW 44 672 |
| 4 way x 16 mm² | | | GW 44 673 |
| 2 way x 6 mm² + 3 way x 6 mm² | | | GW 44 674 |
| 2 way x 16 mm² + 9 way x 6 mm² | | | GW 44 675 |
| 2 way x 35 mm² + 4 way x 16 mm² | | | GW 44 676 |
| Support for fixing on DIN rail |  | | GW 44 681 |
| Adapter |  | | GW 44 682 |
| Rail for fixing in PTC boxes |  | | GW 44 683 |

| RATED CURRENT | 44 MP - MODULAR DISTRIBUTION TERMINAL BLOCKS | | | | |
|---------------|---|---------------|-----------------------|---|----------|
| | | CODE | MAX. INPUT CONNECTION | MAX. OUTPUT CONNECTION | ICW (15) |
| | SINGLE-POLE MODULAR DIVIDER TERMINAL BLOCK | | | | |
| In: 160 A |  | GW 44 651 (1) | 1x(10-70) mm² | 6x(2,5-16) mm² | 10 kA |
| | TWO-POLE MODULAR DIVIDER TERMINAL BLOCKS WITH TRANSPARENT PROTECTION COVER | | | | |
| In: 100 A |  | GW 44 691 | 1x(6-35) mm² | [1x(4-25) + 5x(1,5-10)] mm² | 6 kA |
| In: 125 A | | GW 44 693 | 1x(6-35) mm² | [2x(4-25) + 2x(4-16) + 10x(1,5-10)] mm² | 6 kA |
| | FOUR-POLE MODULAR DIVIDER TERMINAL BLOCKS WITH TRANSPARENT PROTECTION COVER | | | | |
| In: 100 A |  | GW 44 696 | 1x(6-35) mm² | [1x(4-25) + 5x(1,5-10)] mm² | 6 kA |
| In: 125 A | | GW 44 698 | 1x(6-35) mm² | [2x(4-25) + 2x(4-16) + 10x(1,5-10)] mm² | 6 kA |
| In: 160 A | | GW 44 699 | 1x(16-50) mm² | [2x(10-35) + 2x(6-25) + 8x(4-16)] mm² | 10 kA |

(1) When assembling several terminal blocks side by side to extend the number of outputs, use the jumper kit GW 44 652.

| | | | COMPATIBILITY BETWEEN TERMINAL BLOCKS AND JUNCTION BOXES | | | | | |
|---|---|-----------------|---|----------------------------------|----------------------------------|---|-----------------------------------|-----------------------------------|
| | | | 44 MM RANGE - MULTI-POLE TERMINAL BLOCKS | | | | | |
| | | | Press-on fixing | | | Screw-on fixing with feedthrough terminals | | |
| | | |  | | |  | | |
| Type | Range | Dimensions (mm) | GW 44 606 3x4 mm ² | GW 44 607 4x4 mm ² | GW 44 608 5x4 mm ² | GW 44 609 3x6 mm ² | GW 44 611 3x16 mm ² | GW 44 613 3x35 mm ² |
| 44 CE RANGE: SURFACE-MOUNTING JUNCTION BOXES | IP 44  | Ø 65 | • | • | • | | | |
| | | Ø 80 | • | • | • | • | | |
| | | 80x80 | • | • | • | • | | |
| | IP 55 - IP 56  | 100x100 | • | • | • | • | • | |
| | | 120x80 | • | • | • | • | • | |
| | | 150x110 | | | | • | • | • |
| | | 190x140 | | | | • | • | • |
| | | 240x190 | | | | • | • | • |
| | | 300x220 | | | | • | • | • |
| | | 380x300 | | | | • | • | • |
| | | 460x380 | | | | • | • | • |
| 48 RANGE: FLUSH-MOUNTING JUNCTION BOXES |  | 92x92 | | | | • | • | |
| | | 118x96 | | | | • | • | |
| | | 152x98 | | | | • | • | |
| | | 160x130 | | | | • | • | • |
| | | 196x152 | | | | • | • | • |
| | | 294x152 | | | | • | • | • |
| | | 392x152 | | | | • | • | • |
| | | 480x160 | | | | • | • | • |
| | | 516x202 | | | | • | • | • |
| | | 516x294 | | | | • | • | • |
| | 48 CM  | 260x260 | | | | • | • | |
| | | 520x260 | | | | • | • | |
| | 48 PTC  | 138x169 | • | • | • | • | • | • |
| | | 308x169 | | | | • | • | • |
| | | 398x169 | | | | • | • | • |

• = Suitable

| | | | COMPATIBILITY BETWEEN TERMINAL BLOCKS AND JUNCTION BOXES | | | | | | | |
|---|---|-----------------|---|--|--|---|--|--|---|---|
| | | | 44 ME RANGE - SINGLE-POLE EQUIPOTENTIAL TERMINAL BLOCKS | | | | | | | |
| | | | With indirect plate-tightening | | | With indirect screw-tightening | | | | |
| | | |  | | |  |  |  |  |  |
| Type | Range | Dimensions (mm) | GW 44 704 4-way x 6 mm ² | GW 44 706 6-way x 6 mm ² | GW 44 708 8-way x 6 mm ² | GW 44 671 3-way x 6 mm ² | GW 44 672 5-way x 6 mm ² | GW 44 673 4-way x 16 mm ² GW 44 674 (2x16)+(3x6) mm ² | GW 44 675 (2x16)+(9x6) mm ² | GW 44 676 (2x35)+(4x16) mm ² |
| 44 CE RANGE: SURFACE-MOUNTING JUNCTION BOXES |  | Ø 65 | • | • | | • | | | | |
| | | Ø 80 | • | • | • | • | • | | | |
| | | 80x80 | • | • | • | • | • | | | |
| |  | 100x100 | • | • | • | • | • | • | | |
| | | 120x80 | • | • | • | • | • | • | | |
| | | 150x110 | • | • | • | • | • | • | • | • |
| | | 190x140 | • | • | • | • | • | • | • | • |
| | | 240x190 | • | • | • | • | • | • | • | • |
| | | 300x220 | • | • | • | • | • | • | • | • |
| | | 380x300 | • | • | • | • | • | • | • | • |
| | | 460x380 | • | • | • | • | • | • | • | • |
| 48 RANGE: FLUSH-MOUNTING JUNCTION BOXES |  | 92x92 | • | • | • | • | • | • | | |
| | | 118x96 | • | • | • | • | • | • | | |
| | | 152x98 | • | • | • | • | • | • | | |
| | | 160x130 | • | • | • | • | • | • | • | |
| | | 196x152 | • | • | • | • | • | • | | |
| | | 294x152 | • | • | • | • | • | • | | |
| | | 392x152 | • | • | • | • | • | • | | |
| | | 480x160 | • | • | • | • | • | • | | |
| |  (with GW 44 682 adapter) | 516x202 | • | • | • | • | • | • | • | |
| | | 516x294 | • | • | • | • | • | • | • | |
| |  (with GW 44 682 adapter) | 260x260 | • | • | • | • | • | • | | |
| | | 520x260 | • | • | • | • | • | • | | |
| | | | | | | | | | | |
| |  (with adapter) | 138x169 | • | • | • | • | • | • | • | • |
| | | 308x169 | • | • | • | • | • | • | | |
| | | 398x169 | • | • | • | • | • | • | | |
| |  (with GW 44 683 rail) | 138x169 | • | • | • | • | • | • | • | |
| | | 308x169 | • | • | • | • | • | • | • | |
| | | 398x169 | • | • | • | • | • | • | • | |

• = Suitable

Note: The 44 ME range terminal blocks with indirect screw-tightening are mounted on plates, or on the bottom of the boxes, using the suitable GW 44 682 adapter.

For 48 PTC range boxes on the other hand, use code GW 44 683.

The 44 ME range terminal blocks with indirect plate-tightening are mounted on the DIN rail of the 48 PT DIN boxes, using the suitable GW 44 720 support.

GW FIT

Accessories for electrical installations

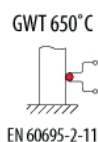
Complete system comprising cable glands, plastic and metal fixings, couplings for rigid conduits and sheaths, cable ties for external and junction and connection terminal blocks. The depth of the range and breadth of the offers of each family makes GEWISS the specialist and ideal partner when implementing any type of system, from residential to commercial and industrial sector.



Technical characteristics page 1526

PLASTIC CABLE GLANDS AND ACCESSORIES

CABLE GLANDS



GW 52 001

NYLON CABLE GLANDS - PG PITCH - GREY RAL 7035 - IP66

| Code | PG pitch | Mounting hole Ø (mm) | For cables Ø (mm) | Pack Carton |
|-----------|----------|----------------------|-------------------------------|-------------|
| GW 52 001 | 7 | 12.5 | from 3 to 6 | 50/900 |
| GW 52 002 | 9 | 16 | from 6 to 8 | 50/600 |
| GW 52 003 | 11 | 19 | from 8 to 10.5 | 25/500 |
| GW 52 004 | 13.5 | 20 | from 9 to 12.5 | 25/500 |
| GW 52 005 | 16 | 23 | from 13 to 16 | 25/375 |
| GW 52 006 | 21 | 29 | from 9 to 10/from 17 to 20 | 25/400 |
| GW 52 007 | 29 | 37 | from 13.5 to 15/from 21 to 26 | 25/250 |
| GW 52 008 | 36 | 48 | from 17 to 20/from 30 to 34 | 10/130 |
| GW 52 009 | 42 | 54 | from 36 to 39/from 40 to 43 | 6/120 |
| GW 52 010 | 48 | 60 | from 38 to 40/from 46 to 50 | 5/100 |

ACCESSORIES SUPPLIED: fixing nut.

APPLICATIONS: for making watertight installations with direct grip on cable.



GW 52 075

NYLON CABLE GLANDS - PG PITCH - GREY RAL 7035 - IP68

| Code | PG pitch | Mounting hole Ø (mm) | For cables Ø (mm) | Pack Carton |
|-----------|----------|----------------------|-------------------|-------------|
| GW 52 071 | 7 | 12.5 | from 3.5 to 6.5 | 50/600 |
| GW 52 072 | 9 | 16 | from 4 to 8 | 50/400 |
| GW 52 073 | 11 | 19 | from 5 to 10 | 50/600 |
| GW 52 074 | 13.5 | 20 | from 6 to 12 | 25/300 |
| GW 52 075 | 16 | 23 | from 10 to 14 | 25/300 |
| GW 52 076 | 21 | 29 | from 13 to 18 | 25/200 |
| GW 52 077 | 29 | 37 | from 18 to 25 | 25/150 |
| GW 52 078 | 36 | 48 | from 22 to 32 | 10/120 |
| GW 52 079 | 42 | 54 | from 30 to 38 | 6/84 |
| GW 52 080 | 48 | 60 | from 34 to 44 | 5/60 |

ACCESSORIES SUPPLIED: fixing nut.



GW 52 042

NYLON CABLE GLANDS - METRIC PITCH - GREY RAL 7035 - IP68

| Code | ISO pitch | Mounting hole Ø (mm) | For cables Ø (mm) | Pack Carton |
|-----------|-----------|----------------------|-------------------|-------------|
| GW 52 042 | 12x1.25 | 12 | from 3 to 6.5 | 50/600 |
| GW 52 043 | 16x1.5 | 16 | from 5 to 10 | 50/400 |
| GW 52 044 | 20x1.5 | 20 | from 10 to 14 | 25/300 |
| GW 52 045 | 25x1.5 | 25 | from 13 to 18 | 25/200 |
| GW 52 046 | 32x1.5 | 32 | from 18 to 25 | 25/150 |
| GW 52 047 | 40x1.5 | 40 | from 22 to 32 | 10/120 |
| GW 52 048 | 50x1.5 | 50 | from 30 to 38 | 6/84 |
| GW 52 049 | 63x1.5 | 63 | from 35 to 44 | 5/60 |

ACCESSORIES SUPPLIED: fixing nut.

APPLICATIONS: direct installation on fixing enclosures or components in feedthrough holes.

Coupling in installations where a high protection rating is required in the presence of chemical substances, shocks and vibrations.



GW 52 025

NYLON CABLE GLANDS - PG PITCH WITH HOUSING FOR RIGID CONDUIT - GREY RAL 7035 - IP66

| Code | PG pitch | Mounting hole Ø (mm) | For external conduits (mm) | For cables Ø (mm) | Pack Carton |
|-----------|----------|----------------------|----------------------------|-------------------------------|-------------|
| GW 52 024 | 13.5 | 20 | 16 | from 9 to 12.5 | 15/300 |
| GW 52 025 | 16 | 23 | 20 | from 13 to 16 | 15/240 |
| GW 52 026 | 21 | 29 | 25 | from 9 to 10/from 17 to 20 | 15/240 |
| GW 52 027 | 29 | 37 | 32 | from 13.5 to 15/from 21 to 26 | 15/135 |
| GW 52 028 | 36 | 48 | 40 | from 17 to 20/from 30 to 34 | 6/54 |
| GW 52 029 | 42 | 54 | 50 | from 36 to 39/from 40 to 43 | 4/80 |

ACCESSORIES SUPPLIED: fixing nut.

APPLICATIONS: for making watertight installations with direct clamping on the cable and attractive conduit-box coupling.



GW 52 081

NYLON CABLE GLANDS - PG PITCH - GREY RAL 7035 - IP54

| Code | PG pitch | Mounting hole Ø (mm) | For cables Ø (mm) | Pack Carton |
|-----------|----------|----------------------|-------------------|-------------|
| GW 52 081 | 7 | 12.5 | from 4 to 6 | 100/1000 |
| GW 52 082 | 9 | 16 | from 4.5 to 7 | 100/800 |
| GW 52 083 | 11 | 19 | from 6 to 9 | 100/800 |
| GW 52 084 | 13.5 | 20 | from 9 to 12 | 100/500 |
| GW 52 085 | 16 | 23 | from 11 to 14 | 100/500 |
| GW 52 086 | 21 | 29 | from 14 to 18 | 100/500 |
| GW 52 087 | 29 | 37 | from 18 to 25 | 50/250 |
| GW 52 088 | 36 | 48 | from 26 to 32 | 25/125 |

GW FIT

CLOSURE CAPS



GW 52 366

NYLON CLOSURE CAPS - GREY RAL 7035 - IP65

| Code | Pitch | Pack Carton |
|-----------|--------|----------------|
| GW 52 361 | PG7 | 100/500 |
| GW 52 362 | PG9 | 100/500 |
| GW 52 363 | PG11 | 100/400 |
| GW 52 364 | PG13.5 | 100/400 |
| GW 52 365 | PG16 | 100/300 |
| GW 52 366 | PG21 | 100/300 |
| GW 52 367 | PG29 | 50/250 |
| GW 52 368 | PG36 | 25/150 |
| GW 52 369 | PG42 | 25/125 |
| GW 52 370 | PG48 | 10/100 |
| GW 52 372 | M12 | 100/500 |
| GW 52 373 | M16 | 100/500 |
| GW 52 374 | M20 | 100/400 |
| GW 52 375 | M25 | 100/400 |
| GW 52 376 | M32 | 50/250 |
| GW 52 377 | M40 | 50/200 |
| GW 52 378 | M50 | 25/150 |
| GW 52 379 | M63 | 10/100 |

NOTE: IP65 - only obtained with the aid of an O-ring.



GW 52 452

O-RING FOR CLOSURE CAPS

| Code | For caps with pitch | Pack Carton |
|-----------|------------------------|----------------|
| GW 52 441 | PG7 | 500/2500 |
| GW 52 442 | PG9 | 500/2500 |
| GW 52 443 | PG11 | 500/2000 |
| GW 52 444 | PG13.5 | 500/2000 |
| GW 52 445 | PG16 | 500/2000 |
| GW 52 446 | PG21 | 500/1500 |
| GW 52 447 | PG29 | 250/1250 |
| GW 52 448 | PG36 | 100/1000 |
| GW 52 449 | PG42 | 50/500 |
| GW 52 450 | PG48 | 50/400 |
| GW 52 452 | M12 | 500/2500 |
| GW 52 453 | M16 | 500/2500 |
| GW 52 454 | M20 | 500/2000 |
| GW 52 455 | M25 | 500/2000 |
| GW 52 456 | M32 | 250/1250 |
| GW 52 457 | M40 | 50/1250 |
| GW 52 458 | M50 | 500/1000 |
| GW 52 459 | M63 | 50/500 |

FIXING NUTS



GW 52 341

NYLON FIXING NUTS - GREY RAL 7035

| Code | Pitch | Pack Carton |
|-----------|--------|----------------|
| GW 52 341 | PG7 | 100/1000 |
| GW 52 342 | PG9 | 100/1000 |
| GW 52 343 | PG11 | 100/800 |
| GW 52 344 | PG13.5 | 100/800 |
| GW 52 345 | PG16 | 100/600 |
| GW 52 346 | PG21 | 100/500 |
| GW 52 347 | PG29 | 50/250 |
| GW 52 348 | PG36 | 25/200 |
| GW 52 349 | PG42 | 25/150 |
| GW 52 350 | PG48 | 25/100 |
| GW 52 352 | M12 | 100/1000 |
| GW 52 353 | M16 | 100/1000 |
| GW 52 354 | M20 | 100/800 |
| GW 52 355 | M25 | 100/800 |
| GW 52 356 | M32 | 100/600 |
| GW 52 357 | M40 | 100/500 |
| GW 52 358 | M50 | 50/250 |
| GW 52 359 | M63 | 25/125 |

COUPLINGS AND CABLE-GLANDS



GW 50 415

SHOCKPROOF POLYMER CONDUIT/BOX COUPLINGS GREY RAL 7035



| Code | For external conduits (mm) | Mounting hole Ø (mm) | IP with rigid conduit | IP with corrugated conduit | Pack Carton |
|-----------|----------------------------|----------------------|-----------------------|----------------------------|-------------|
| GW 50 415 | 16 | 20 | IP66 | IP54 | 25/200 |
| GW 50 416 | 20 | 23 | IP66 | IP54 | 25/200 |
| GW 50 417 | 25 | 29 | IP66 | IP54 | 25/150 |
| GW 50 418 | 32 | 37 | IP66 | IP54 | 10/100 |
| GW 50 419 | 40 | 48 | IP66 | IP44 | 6/60 |
| GW 50 420 | 50 | 54 | IP66 | IP44 | 5/50 |

CHARACTERISTICS: the box conduit coupling device allows corrugated conduits to be connected to the junction boxes, guaranteeing the minimum IP4X degree of protection in areas at greater risk in the event of a fire whenever required.

ACCESSORIES SUPPLIED: fixing nut.



GW 50 421

FLEXIBLE POLYMER CONDUIT/BOX COUPLINGS GREY RAL 7035 - IP44



| Code | For external conduits (mm) | Mounting hole Ø (mm) | Pack Carton |
|-----------|----------------------------|----------------------|-------------|
| GW 50 421 | 16 | 23 | 50/700 |
| GW 50 422 | 20 | 23 | 50/700 |
| GW 50 423 | 20 | 29 | 25/350 |
| GW 50 424 | 25 | 29 | 25/350 |
| GW 50 425 | 32 | 37 | 15/210 |
| GW 50 426 | 40 | 37 | 10/160 |
| GW 50 427 | 50 | 48 | 10/90 |



GW 50 430

FLEXIBLE POLYMER CABLE GLAND - GREY RAL 7035 - IP55



| Code | For ext. conduits max (mm) | Mounting hole Ø (mm) | Pack Carton |
|-----------|----------------------------|----------------------|-------------|
| GW 50 428 | 16 | 19 | 100/1000 |
| GW 50 429 | 20 | 23 | 100/1000 |
| GW 50 430 | 25 | 29 | 100/1000 |
| GW 50 431 | 32 | 37 | 50/500 |
| GW 50 432 | 40 | 48 | 35/350 |

NOTE: quick entry cable glands, except GW50428.

CHARACTERISTICS: quick entry cable glands, suitable for cables with Ø from 4 to 14mm.

Cable gland GW50429, suitable for conduits ø 16, 20mm.

Cable gland GW50430, suitable for conduits ø 16, 20, 25mm.

Cable gland GW50431, suitable for conduits ø 16, 20, 25, 32mm.

Cable gland GW50432, suitable for conduits ø 16, 20, 25, 32, 40mm.

METAL CABLE GLANDS AND ACCESSORIES



CABLE GLANDS



GW 76 845

NICKEL-PLATED BRASS CABLE GLANDS - IP65

| Code | Type of pitch | Seals Ø (mm) | Pack Carton |
|-----------|---------------|--------------------------|-------------|
| GW 76 841 | PG11 | 7.5 / 10 / 12.5 | 1/50 |
| GW 76 842 | PG13.5 | 7.5 / 10 / 12.5 | 1/50 |
| GW 76 843 | PG16 | 7.5 / 10 / 12.5 | 1/50 |
| GW 76 844 | PG21 | 10 / 13 / 16 / 19 | 1/50 |
| GW 76 845 | PG29 | 18 / 21 / 24 / 27 | 1/10 |
| GW 76 846 | PG36 | 24 / 27 / 30 / 33 | 1/10 |
| GW 76 847 | PG42 | 30 / 33 / 36 / 39 | 1/10 |
| GW 76 848 | M20 | 4 / 7 / 10 / 13 | 1/50 |
| GW 76 849 | M25 | 8.5 / 11.5 / 14.5 / 17.5 | 1/50 |
| GW 76 850 | M32 | 16 / 19 / 22 / 25 | 1/10 |
| GW 76 851 | M40 | 23 / 26 / 29 / 32 | 1/10 |
| GW 76 852 | M50 | 30 / 33 / 36 / 39 | 1/10 |

CHARACTERISTICS: nickel-plated brass cable gland with complete sealing gaskets for a wide range of cable diameters.



GW 76 829

NICKEL-PLATED BRASS CABLE GLANDS - IP68

| Code | Type of pitch | For cables Ø (mm) | Pack Carton |
|-----------|---------------|-------------------------------|-------------|
| GW 76 825 | PG11 | from 4 to 9 | 10/100 |
| GW 76 826 | PG13.5 | from 7 to 11 | 10/100 |
| GW 76 827 | PG16 | from 10 to 13 | 10/100 |
| GW 76 828 | PG21 | from 12 to 17 | 5/50 |
| GW 76 829 | PG29 | from 17 to 24 | 5/50 |
| GW 76 830 | PG36 | from 20 to 26 / from 27 to 34 | 5/50 |
| GW 76 897 | PG42 | from 32 to 36 | 2/10 |
| GW 76 894 | M12 | from 3 to 6.5 | 50/250 |
| GW 76 896 | M16 | from 4 to 9 | 10/100 |
| GW 76 831 | M20 | from 10 to 13 | 10/100 |
| GW 76 832 | M25 | from 12 to 17 | 10/100 |
| GW 76 833 | M32 | from 14 to 21 | 5/50 |
| GW 76 834 | M40 | from 19 to 27 | 5/50 |
| GW 76 835 | M50 | from 25 to 34 | 2/10 |
| GW 76 895 | M63 | from 34 to 48 | 5/40 |

CHARACTERISTICS: nickel-plated brass cable gland with mechanic cable-snap device.

NOTE: fixing nuts not supplied.

EXTENSIONS



GW 76 867

NICKEL-PLATED BRASS EXTENSIONS - IP65

| Code | Male thread | Female thread | Pack Carton |
|-----------|-------------|---------------|-------------|
| GW 76 865 | PG11 | PG13.5 | 10/100 |
| GW 76 866 | PG13.5 | PG16 | 10/100 |
| GW 76 867 | PG16 | PG21 | 10/100 |
| GW 76 868 | PG21 | PG29 | 5/50 |
| GW 76 869 | PG29 | PG36 | 5/50 |
| GW 76 870 | M20 | M25 | 10/100 |
| GW 76 871 | M25 | M32 | 10/100 |
| GW 76 872 | M32 | M40 | 5/50 |
| GW 76 873 | M40 | M50 | 5/50 |

NOTE: IP degree of protection: depends on the other components with which they are coupled.

CLOSURE CAPS



GW 76 979

NICKEL-PLATED BRASS CLOSURE CAPS - IP65

| Code | Type of pitch | Pack Carton |
|-----------|---------------|-------------|
| GW 76 980 | PG11 | 10/100 |
| GW 76 981 | PG13.5 | 10/100 |
| GW 76 982 | PG16 | 10/100 |
| GW 76 983 | PG21 | 10/100 |
| GW 76 984 | PG29 | 5/50 |
| GW 76 985 | PG36 | 5/50 |
| GW 76 986 | PG42 | 5/50 |
| GW 76 972 | M12 | 100/400 |
| GW 76 973 | M16 | 100/300 |
| GW 76 975 | M20 | 10/100 |
| GW 76 976 | M25 | 10/100 |
| GW 76 977 | M32 | 10/100 |
| GW 76 978 | M40 | 5/50 |
| GW 76 979 | M50 | 5/50 |
| GW 76 974 | M63 | 10/100 |

ACCESSORIES SUPPLIED: sealing gasket.

FIXING NUTS

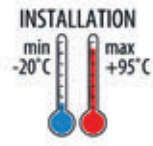


GW 76 959

NICKEL-PLATED BRASS FIXING NUTS

| Code | Type of pitch | Pack Carton |
|-----------|---------------|-------------|
| GW 76 957 | PG11 | 25/100 |
| GW 76 958 | PG13.5 | 25/100 |
| GW 76 959 | PG16 | 25/100 |
| GW 76 960 | PG21 | 25/100 |
| GW 76 961 | PG29 | 25/100 |
| GW 76 962 | PG36 | 10/50 |
| GW 76 963 | PG42 | 10/50 |
| GW 76 966 | M12 | 100/500 |
| GW 76 951 | M16 | 25/100 |
| GW 76 952 | M20 | 25/100 |
| GW 76 953 | M25 | 25/100 |
| GW 76 954 | M32 | 25/100 |
| GW 76 955 | M40 | 10/50 |
| GW 76 956 | M50 | 10/50 |
| GW 76 967 | M63 | 25/125 |

METAL CABLE GLANDS AND ACCESSORIES FOR ATEX ENVIRONMENTS - ZONE 1(G) - ZONE 20(D)



METAL CABLE GLANDS



GW 76 901

ATEX CABLE GLANDS IN NICKEL-PLATED BRASS WITH PG-PITCH AND LONG THREAD - IP68

| Code | Type of pitch | Mounting hole Ø (mm) | For cables Ø (mm) | Pack Carton |
|-----------|---------------|----------------------|-------------------|-------------|
| GW 76 901 | PG7 | 12.5 | from 3 to 6.5 | 10/100 |
| GW 76 902 | PG9 | 16 | from 4 to 8 | 10/100 |
| GW 76 903 | PG11 | 19 | from 5 to 10 | 10/100 |
| GW 76 904 | PG13.5 | 20 | from 6.5 to 12 | 10/100 |
| GW 76 905 | PG16 | 23 | from 7 to 12 | 10/100 |
| GW 76 906 | PG21 | 29 | from 13 to 18 | 5/50 |
| GW 76 907 | PG29 | 37 | from 18 to 25 | 5/50 |
| GW 76 908 | PG36 | 48 | from 22 to 32 | 5/50 |
| GW 76 909 | PG42 | 54 | from 32 to 38 | 2/10 |
| GW 76 910 | PG48 | 60 | from 37 to 44 | 2/10 |

NOTE: fixing nuts not supplied.
ATEX Classification. Equipment-group II Category 2G 1D.
Type of protection for use in explosive gas atmospheres: e.
Type of protection for use in explosive dust atmospheres: ta.
Ambient temperature range: -60°C 6It;= Ta 6It;= +95°C.



GW 76 921

ATEX CABLE GLANDS IN NICKEL-PLATED BRASS WITH METRIC PITCH AND LONG THREAD - IP68

| Code | Type of pitch | Mounting hole Ø (mm) | For cables Ø (mm) | Pack Carton |
|-----------|---------------|----------------------|-------------------|-------------|
| GW 76 921 | M12 | 12 | from 3 to 6.5 | 10/100 |
| GW 76 922 | M16 | 16 | from 6 to 10 | 10/100 |
| GW 76 923 | M20 | 20 | from 10 to 14 | 10/100 |
| GW 76 924 | M25 | 25 | from 14 to 18 | 10/100 |
| GW 76 925 | M32 | 32 | from 20 to 25 | 5/50 |
| GW 76 926 | M40 | 40 | from 22 to 32 | 5/50 |
| GW 76 927 | M50 | 50 | from 32 to 38 | 2/10 |
| GW 76 928 | M63 | 63 | from 37 to 44 | 2/10 |

NOTE: fixing nuts not supplied.
ATEX Classification. Equipment-group II Category 2G 1D.
Type of protection for use in explosive gas atmospheres: e.
Type of protection for use in explosive dust atmospheres: ta.
Ambient temperature range: -60°C 6It;= Ta 6It;= +95°C.

FIXING NUTS



GW 76 941

NICKEL-PLATED BRASS FIXING NUTS

| Code | Type of pitch | Pack Carton |
|-----------|---------------|-------------|
| GW 76 941 | PG7 | 25/100 |
| GW 76 942 | PG9 | 25/100 |
| GW 76 957 | PG11 | 25/100 |
| GW 76 958 | PG13.5 | 25/100 |
| GW 76 959 | PG16 | 25/100 |
| GW 76 960 | PG21 | 25/100 |
| GW 76 961 | PG29 | 25/100 |
| GW 76 962 | PG36 | 10/50 |
| GW 76 963 | PG42 | 10/50 |
| GW 76 943 | PG48 | 10/50 |
| GW 76 949 | M12 | 25/100 |
| GW 76 951 | M16 | 25/100 |
| GW 76 952 | M20 | 25/100 |
| GW 76 953 | M25 | 25/100 |
| GW 76 954 | M32 | 25/100 |
| GW 76 955 | M40 | 10/50 |
| GW 76 956 | M50 | 10/50 |
| GW 76 950 | M63 | 10/50 |

PLASTIC FIXINGS FOR CONDUITS AND CABLES

FIXINGS FOR CONDUITS



GW 50 603

SHOCKPROOF POLYMER SADDLE SNAP CLIP - GREY RAL 7035



| Code | For external conduits (mm) | Wall-conduit axis distance (mm) | Pack Carton |
|-----------|----------------------------|---------------------------------|-------------|
| GW 50 601 | 16 | 20 | 100/1800 |
| GW 50 602 | 20 | 22 | 100/1600 |
| GW 50 603 | 25 | 24.5 | 100/900 |
| GW 50 604 | 32 | 28 | 100/900 |
| GW 50 628 | 40 | 32 | 50/450 |
| GW 50 629 | 50 | 37 | 50/450 |

NOTES: suitable for riveting machines.

GW50628 and GW50629 not Halogen Free.

APPLICATIONS: recommended for surface mounting



GW 50 605

SHOCKPROOF POLYMER SADDLE COLLAR CLIP - GREY RAL 7035



| Code | For external conduits (mm) | Wall-conduit axis distance (mm) | Pack Carton |
|-----------|----------------------------|---------------------------------|-------------|
| GW 50 605 | 16 | 20 | 100/900 |
| GW 50 606 | 20 | 22 | 100/900 |
| GW 50 607 | 25 | 24.5 | 100/600 |
| GW 50 608 | 32 | 28 | 50/450 |
| GW 50 630 | 40 | 32 | 35/350 |
| GW 50 631 | 50 | 37 | 25/200 |

APPLICATIONS: Recommended for ceiling applications.



GW 50 609

MODULAR LOCK-JOINT RAIL TO FIX SHOCKPROOF POLYMER SUPPORTS - GREY RAL 7035

| Code | Length (mm) | Pack Carton |
|-----------|-------------|-------------|
| GW 50 609 | 200 | 50/350 |



GW 50 641

COLLAR SUPPORTS WITH AUTOMATIC CLIP-FIXING - GREY RAL 7035

| Code | For external conduits (mm) | Wall-conduit axis distance (mm) | Pack Carton |
|-----------|----------------------------|---------------------------------|-------------|
| GW 50 641 | 16 | 23 | 100/600 |
| GW 50 642 | 20-25 | 24-30 | 50/450 |
| GW 50 643 | 25-32 | 29-33 | 50/300 |
| GW 50 644 | 40 | 38.5 | 25/150 |

NOTE: installation takes place by simply pressing the conduit inside the coupling device.



GW 50 645

RAIL FOR COLLAR SUPPORTS WITH AUTOMATIC CLIP-FIXING - GREY RAL 7035

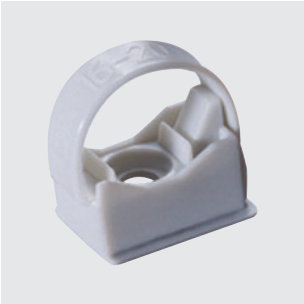
| Code | Length (mm) | Pack Carton |
|-----------|----------------|----------------|
| GW 50 645 | 1000 | 30 |



GW 50 651

MULTI-DIAMETER CLAMP SUPPORTS - GREY RAL 7035

| Code | For external conduits (mm) | Wall-conduit axis distance (mm) | Pack Carton |
|-----------|-------------------------------|------------------------------------|----------------|
| GW 50 651 | 16-20 | 14-16 | 50/500 |
| GW 50 652 | 25-32 | 21.5-25 | 25/250 |
| GW 50 653 | 40-50 | 30-35 | 15/150 |



DX 51 120

FIXING COLLAR - GREY RAL 7035



| Code | For external conduits (mm) | Description | Pack Carton |
|-----------|-------------------------------|---------------------------|----------------|
| DX 51 120 | 16-20 | Reopened collar | 100/1500 |
| DX 51 232 | 16-32 | Collar cannot be reopened | 100/800 |
| DX 51 263 | 25-63 | Collar cannot be reopened | 100/400 |

USE: rigid conduits can be fixed to the wall with the aid of the wall plugs. Assembly hole Ø7mm.

MATERIAL: self-extinguishing polyamide.

NOTE: for an optimal collar closing use the tie tool.



DX 51 306

FIXING DOWELS FOR COLLAR - GREY RAL 7035

| Code | For mounting holes Ø (mm) | Characteristics | Pack Carton |
|-----------|------------------------------|-----------------|----------------|
| DX 51 306 | 6 | | 200/600 |
| DX 51 308 | 8 | | 200/600 |

USE: allow fixing of rigid conduits fixing collars to walls.



GW 50 672

SINGLE CLIP WITHOUT NAIL - GREY RAL 7035

| Code | For external conduits (mm) | Characteristics | Pack Carton |
|-----------|----------------------------|-----------------------------------|-------------|
| GW 50 671 | 16 | Conduit installed flush with wall | 100/900 |
| GW 50 672 | 20 | Conduit installed flush with wall | 100/600 |
| GW 50 673 | 25 | Conduit installed flush with wall | 100/600 |



GW 50 681

DOUBLE CLIP WITHOUT NAIL - GREY RAL 7035

| Code | For external conduits (mm) | Characteristics | Pack Carton |
|-----------|----------------------------|-----------------------------------|-------------|
| GW 50 681 | 2x16 | Conduit installed flush with wall | 100/600 |
| GW 50 682 | 2x20 | Conduit installed flush with wall | 50/450 |
| GW 50 683 | 2x25 | Conduit installed flush with wall | 50/300 |

FIXINGS FOR CONDUITS WITH BUILT-IN WALL PLUG


GW 50 708

SNAP-ON SUPPORT WITH BUILT-IN WALL PLUG - GREY RAL 7035

| Code | For external conduits (mm) | Ø wall plug (mm) | Pack Carton |
|-----------|----------------------------|------------------|-------------|
| GW 50 706 | 16 | 6 | 100/1000 |
| GW 50 707 | 20 | 6 | 100/1000 |
| GW 50 708 | 25 | 6 | 100/1000 |
| GW 50 709 | 32 | 8 | 50/500 |



GW 50 716

COLLAR SUPPORT WITH BUILT-IN WALL PLUG - HIGH PERFORMANCE - GREY RAL 7035

| Code | For external conduits (mm) | Ø wall plug (mm) | Pack Carton |
|-----------|----------------------------|------------------|-------------|
| GW 50 716 | 16 | 6 | 100/1200 |
| GW 50 717 | 20 | 8 | 100/700 |
| GW 50 718 | 25 | 10 | 50/350 |



GW 50 727

DOUBLE COLLAR SUPPORT WITH BUILT-IN WALL PLUG - HIGH PERFORMANCE - GREY RAL 7035

| Code | For external conduits (mm) | Ø wall plug (mm) | Pack Carton |
|-----------|----------------------------|------------------|-------------|
| GW 50 726 | 16 | 8 | 100/700 |
| GW 50 727 | 20 | 8 | 50/350 |
| GW 50 728 | 25 | 10 | 25/175 |



GW 50 667

TIE SUPPORT WITH BUILT-IN WALL PLUG - GREY RAL 7035

| Code | For external conduits (mm) | Ø wall plug (mm) | Pack Carton |
|-----------|----------------------------|------------------|-------------|
| GW 50 666 | 3-13 | 6 | 200/3600 |
| GW 50 667 | 8-28 | 6 | 100/900 |



GW 50 778

SINGLE CLIP WITH BUILT-IN WALL PLUG - GREY RAL 7035

| Code | For external conduits (mm) | Ø wall plug (mm) | Characteristics | Pack Carton |
|-----------|----------------------------|------------------|-----------------------------------|-------------|
| GW 50 776 | 16 | 8 | Conduit installed flush with wall | 100/900 |
| GW 50 777 | 20 | 8 | Conduit installed flush with wall | 100/600 |
| GW 50 778 | 25 | 8 | Conduit installed flush with wall | 50/450 |



GW 50 787

DOUBLE CLIP WITH BUILT-IN WALL PLUG - GREY RAL 7035

| Code | For external conduits (mm) | Ø wall plug (mm) | Characteristics | Pack Carton |
|-----------|----------------------------|------------------|-----------------------------------|-------------|
| GW 50 786 | 16 | 8 | Conduit installed flush with wall | 50/450 |
| GW 50 787 | 20 | 8 | Conduit installed flush with wall | 50/300 |
| GW 50 788 | 25 | 8 | Conduit installed flush with wall | 50 |

FIXINGS FOR CABLES



GW 50 610

SHOCKPROOF POLYMER CLIPS WITH HARDENED STEEL PIN - GREY RAL 7035



| Code | For external conduits (mm) | Pack Carton |
|------------------------------|----------------------------|-------------|
| Colour: Grey RAL 7035 | | |
| GW 50 610 | 3-4 | 100/8000 |
| GW 50 611 | 5-6 | 100/8000 |
| GW 50 612 | 7-8 | 100/8000 |
| GW 50 613 | 9-10 | 100/6000 |
| GW 50 614 | 11-12 | 100/6000 |
| GW 50 615 | 13-14 | 100/6000 |
| GW 50 616 | 15-16 | 100/3000 |
| GW 50 617 | 19-20 | 100/1800 |
| GW 50 618 | 21-22 | 100/2000 |
| GW 50 619 | 25-26 | 50/900 |
| GW 50 620 | 31-32 | 50/1000 |
| Colour: White | | |
| GW 50 621 | 5-6 | 100/8000 |
| GW 50 622 | 7-8 | 100/8000 |



GW 50 623

FLAT SHOCKPROOF POLYMER CLIPS WITH PIN OF HARDENED STEEL - WHITE

| Code | Colour | For flat cables width | Pack Carton |
|-----------|--------|-----------------------|-------------|
| GW 50 623 | White | 5-6 mm | 100/4000 |
| GW 50 624 | White | 7-8 mm | 100/15000 |
| GW 50 625 | White | 10-11 mm | 100/4800 |



GW 50 626

HARDENED STEEL PINS

| Code | Description | Pack Carton |
|-----------|------------------------|-------------|
| GW 50 626 | Totally insulated | 100/1000 |
| GW 50 627 | With insulating collar | 100/1000 |

NOTE: Each package contains 100 small nails.



GW 50 691

FIXING HANGER FOR CABLES

| Code | Characteristics | For cables (mm) | Pack Carton |
|-----------|-----------------|-----------------|-------------|
| GW 50 691 | Single fastener | 8 lines 3x1.5 | 100 |
| GW 50 692 | Double fastener | 2x8 lines 3x1.5 | 50 |

METAL COLLARS FOR CONDUITS AND CABLES

COLLARS IN GALVANIZED STEEL



GW 50 801

GALVANISED STEEL COLLARS M6 THREAD WITH 2 SCREWS

| Code | For external conduits (mm) | Pack Carton |
|-----------|----------------------------|-------------|
| GW 50 801 | 10-11 | 100/1600 |
| GW 50 802 | 12-13 | 100/800 |
| GW 50 803 | 14-15 | 100/800 |
| GW 50 804 | 16-17 | 100/800 |
| GW 50 805 | 19-20 | 100/800 |
| GW 50 806 | 21-22 | 100/600 |
| GW 50 807 | 25-26 | 100/600 |
| GW 50 808 | 31-32 | 100/600 |
| GW 50 809 | 38-40 | 100/300 |
| GW 50 810 | 48-50 | 50/300 |



GW 50 841

COLLARS IN GALVANIZED STEEL WITH SCREWS AND BUILT-IN WALL PLUG FOR CONDUIT INSTALLATION

| Code | For external conduits (mm) | Ø wall plug (mm) | Pack Carton |
|-----------|----------------------------|------------------|-------------|
| GW 50 841 | 16 | 6 | 50/1000 |
| GW 50 842 | 20 | 6 | 50/1000 |
| GW 50 843 | 25 | 8 | 50/600 |
| GW 50 844 | 32 | 8 | 50/500 |
| GW 50 845 | 40 | 8 | 25/500 |
| GW 50 846 | 50 | 8 | 25/250 |

CLIPS IN GALVANIZED STEEL



GW 50 811

GALVANISED STEEL CLIPS HOLE 12X6 MM

| Code | For external conduits (mm) | Pack Carton |
|-----------|----------------------------|-------------|
| GW 50 811 | 10-11 | 100/2400 |
| GW 50 812 | 12-13 | 100/2000 |
| GW 50 813 | 14-15 | 100/2000 |
| GW 50 814 | 16-17 | 100/1600 |
| GW 50 815 | 19-20 | 100/1000 |
| GW 50 816 | 21-22 | 50/1000 |
| GW 50 817 | 25-26 | 50/1000 |
| GW 50 818 | 31-32 | 50/600 |
| GW 50 819 | 38-40 | 50/600 |
| GW 50 820 | 48-50 | 50/300 |



GW 50 821

GALVANISED STEEL U-BOLTS WITH TWO HOLES

| Code | For external conduits (mm) | Pack Carton |
|----------------------------------|----------------------------|-------------|
| Hole dimension (mm): 7x4 | | |
| GW 50 821 | 10-11 | 100/2400 |
| GW 50 822 | 12-13 | 100/3500 |
| GW 50 823 | 14-15 | 100/2000 |
| GW 50 824 | 16-17 | 100/1600 |
| GW 50 825 | 19-20 | 100/2000 |
| GW 50 826 | 21-22 | 50/1000 |
| GW 50 827 | 25-26 | 50/800 |
| Hole dimension (mm): 10x6 | | |
| GW 50 828 | 31-32 | 50/600 |
| GW 50 829 | 38-40 | 50/600 |
| GW 50 830 | 48-50 | 50/300 |

STRAPS FOR CORRUGATED CONDUITS

FIXING STRAPS



GW 50 791

STRAPS FOR POSITIONING THE CONDUITS ON THE FLOOR

| Code | Description | Roll length (m) | Ribbon height (mm) | Pack Carton |
|-----------|---------------------------------------|-----------------|--------------------|-------------|
| GW 50 791 | Strap in perforated, galvanized steel | 10 | 12 | 1/10 |
| GW 50 792 | Strap in fabric | 10 | 15 | 10/100 |



GW 50 798

KIT FOR MANUAL RIVETING

| Code | Description | Pack Carton |
|-----------|------------------|-------------|
| GW 50 798 | Firing pin | 1/10 |
| GW 50 799 | Steel pin - 18mm | 200/4000 |

DISPENSER FOR ACCESSORIES

DISPENSER CASE FOR ELECTRICAL INSTALLATION ACCESSORIES



GW 52 420

MULTI-COMPARTMENT DISPENSER CASE WITH SNAP-ON SECURITY CLOSURE

| Code | Accessories supplied | Dimensions LxHxD (mm) | Pack Carton |
|-----------|--|-----------------------|-------------|
| GW 52 420 | Upper compartment and 4 extractable compartments | 420x400x320 mm | 1 |

TOOLS FOR PERFORATING ENCLOSURES

DRILL MILLING CUTTER



GW 52 401

MULTI-DIAMETER DRILL MILLING CUTTER IN HSS STEEL TO DRILL BOXES, BOARDS AND TRUNKING IN INSULATING MATERIAL

| Code | Description | Ø of perforation | Pack Carton |
|-----------|----------------------|------------------|-------------|
| GW 52 401 | Drill milling cutter | From 3.5 to 40 | 1/4 |



GW 52 402

CUP DRILL MILLING CUTTER TO DRILL PANELS

| Code | Description | Pack Carton |
|-----------|-----------------------|-------------|
| GW 52 402 | Cup drill milling Ø56 | 10 |

APPLICATIONS: suitable for low voltage flush-mounting socket-outlets IEC 309 2P+E 16A and for all the extra-low voltage flush-mounting socket-outlets IEC 309.



GW 52 403

CUP DRILL MILLING CUTTER TO DRILL HOLLOW CAVITY WALL

| Code | Description | Pack Carton |
|-----------|-----------------------|-------------|
| GW 52 403 | Cup drill milling Ø62 | 10 |



GW 52 412

TAPERED DRILL MILLING CUTTER IN HSS STEEL TO FINISH AND COUNTERSINK HOLES FOR METAL BOARDS AND TRUNKING

| Code | Description | For holes Ø (mm) | Pack Carton |
|-----------|------------------------------|------------------|-------------|
| GW 52 412 | Tapered drill milling cutter | 24-40 | 1/4 |

COUPLING DEVICES FOR RIGID CONDUITS

RK UNIONS - GREY RAL 7035



DX 40 016

COUPLING - IP40



| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 40 016 | 16 | 30/300 |
| DX 40 020 | 20 | 30/450 |
| DX 40 025 | 25 | 20/240 |
| DX 40 032 | 32 | 10/100 |
| DX 40 040 | 40 | 5/25 |
| DX 40 050 | 50 | 15 |
| DX 40 063 | 63 | 8 |

NOTE: DX40063 not Halogen Free.



DX 40 116

TIGHT BEND - IP40



| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 40 116 | 16 | 30/300 |
| DX 40 120 | 20 | 30/300 |
| DX 40 125 | 25 | 20/100 |
| DX 40 132 | 32 | 10/50 |
| DX 40 140 | 40 | 5/25 |
| DX 40 150 | 50 | 10 |
| DX 40 163 | 63 | 1 |

NOTE: DX40163 not Halogen Free.



DX 40 216

INSPECTABLE T - IP40

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 40 216 | 16 | 30/120 |
| DX 40 220 | 20 | 30/120 |
| DX 40 225 | 25 | 20/60 |
| DX 40 232 | 32 | 10/30 |



DX 40 316

INSPECTABLE BEND - IP40

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 40 316 | 16 | 30/180 |
| DX 40 320 | 20 | 30/120 |
| DX 40 325 | 25 | 20/60 |
| DX 40 332 | 32 | 10/40 |

MORBIDX UNIONS - GREY RAL 7035



DX 43 016

RELEASE COUPLING - IP67



| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 43 016 | 16 | 10/300 |
| DX 43 020 | 20 | 10/240 |
| DX 43 025 | 25 | 5/150 |
| DX 43 032 | 32 | 5/120 |
| DX 43 040 | 40 | 5/90 |
| DX 43 050 | 50 | 3/54 |



DX 43 116

RELEASE NARROW RADIUS BEND - IP67



| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 43 116 | 16 | 10/100 |
| DX 43 120 | 20 | 10/80 |
| DX 43 125 | 25 | 5/50 |
| DX 43 132 | 32 | 5/30 |
| DX 43 140 | 40 | 5/15 |
| DX 43 150 | 50 | 8 |



DX 43 216

RELEASE CONDUIT-BOX UNION - IP67



| Code | Conduits Ø (mm) | ISO pitch | For holes Ø (mm) | Pack Carton |
|-----------|-----------------|-----------|------------------|-------------|
| DX 43 216 | 16 | M 16x1.5 | 16 | 10/360 |
| DX 43 220 | 20 | M 20x1.5 | 20 | 10/300 |
| DX 43 225 | 25 | M 25x1.5 | 25 | 5/180 |
| DX 43 232 | 32 | M 32x1.5 | 32 | 5/150 |
| DX 43 240 | 40 | M 40x1.5 | 40 | 5/30 |
| DX 43 250 | 50 | M 50x1.5 | 50 | 5/15 |



DX 43 316

RELEASE CONDUIT-SHEATH UNION - IP65



| Code | Conduits Ø (mm) | Sheath Ø (mm) | Pack Carton |
|-----------|-----------------|---------------|-------------|
| DX 43 316 | 16 | 12 | 10/450 |
| DX 43 320 | 20 | 16 | 10/300 |
| DX 43 325 | 25 | 20 | 5/210 |
| DX 43 332 | 32 | 25 | 5/120 |
| DX 43 340 | 40 | 32 | 5/25 |
| DX 43 350 | 50 | 40 | 5/20 |



DX 43 416

RELEASE CONDUIT-SHEATH UNION EQUAL DIAMETER - IP65



| Code | Conduits Ø (mm) | Sheath Ø (mm) | Pack Carton |
|-----------|-----------------|---------------|-------------|
| DX 43 416 | 16 | 16 | 10/360 |
| DX 43 420 | 20 | 20 | 10/240 |
| DX 43 425 | 25 | 25 | 5/150 |
| DX 43 432 | 32 | 28 | 5/40 |
| DX 43 440 | 40 | 40 | 5/20 |

USE: coupling of a solid protective conduit with a spiral sheath of the DIFLEX range; allows the maintenance of the same internal diameter in line with the joint; the internal section for cable passage remains constant, increasing the space available for the system wires.



DX 43 516

LA SVOLTA CONDUIT-CONDUIT UNION - IP65

| Code | Conduits Ø (mm) | Working length (mm) | Pack Carton |
|-----------|-----------------|---------------------|-------------|
| DX 43 516 | 16 | 110 | 60 |
| DX 43 520 | 20 | 132 | 40 |
| DX 43 525 | 25 | 209 | 20 |
| DX 43 532 | 32 | 301 | 20 |
| DX 43 540 | 40 | 302 | 12 |
| DX 43 550 | 50 | 311 | 9 |

SPEEDY-FLEX COUPLINGS - GREY RAL 7035



GW 50 201

WATERTIGHT FLEXIBLE COUPLINGS - IP66

| Code | For external conduits (mm) | External Ø (mm) | Internal Ø (mm) | Length (mm) | Pack Carton |
|-----------|----------------------------|-----------------|-----------------|-------------|-------------|
| GW 50 201 | 16 | 27 | 13 | 140 | 20/60 |
| GW 50 202 | 20 | 31.5 | 17 | 160 | 20/120 |
| GW 50 203 | 25 | 41 | 21.5 | 205 | 10/40 |
| GW 50 204 | 32 | 55 | 28 | 290 | 10/60 |
| GW 50 205 | 40 | 65 | 35.5 | 400 | 6/30 |
| GW 50 206 | 50 | 72 | 44.5 | 515 | 6/36 |

CHARACTERISTICS: multifunctional couplings allowing the realisation of 0-90° variable angle curves and misaligned conduit-conduit couplings.



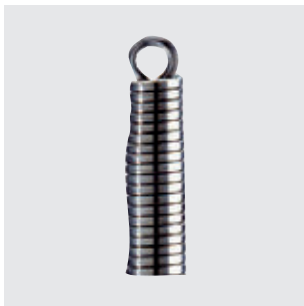
GW 50 210

PROTECTED FLEXIBLE COUPLINGS - IP44

| Code | For external conduits (mm) | External Ø (mm) | Internal Ø (mm) | Length (mm) | Pack Carton |
|-----------|----------------------------|-----------------|-----------------|-------------|-------------|
| GW 50 207 | 16 | 24 | 13 | 135 | 20/60 |
| GW 50 208 | 20 | 30 | 17 | 160 | 20/120 |
| GW 50 209 | 25 | 35 | 21.5 | 205 | 20/120 |
| GW 50 210 | 32 | 45 | 28 | 280 | 10/20 |
| GW 50 211 | 40 | 55 | 35.5 | 400 | 6/30 |
| GW 50 212 | 50 | 65 | 44.5 | 515 | 6/36 |

CHARACTERISTICS: multifunctional couplings allowing the realisation of 0-90° variable angle curves and misaligned conduit-conduit couplings.

ACCESSORIES



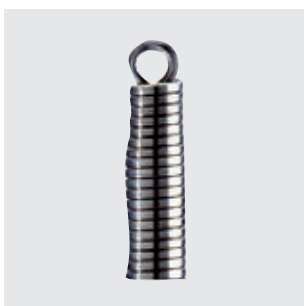
DX 51 416

CONDUIT-BENDING SPRING FOR RK15

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 51 416 | 16 | 1/10 |
| DX 51 420 | 20 | 1/10 |
| DX 51 425 | 25 | 1/5 |
| DX 51 432 | 32 | 1/5 |
| DX 51 440 | 40 | 1 |
| DX 51 450 | 50 | 1 |

USE: for cold bending rigid conduits.

MATERIAL: special galvanised steel square wire mesh.



DX 51 316

CONDUIT-BENDING SPRING FOR RKB

| Code | Conduits Ø (mm) | Pack Carton |
|-----------|-----------------|-------------|
| DX 51 316 | 16 | 1/10 |
| DX 51 320 | 20 | 1/10 |
| DX 51 325 | 25 | 1/5 |

USE: for cold bending rigid conduits.

MATERIAL: special galvanised steel square wire mesh.



DX 51 600

CONDUIT CUTTER

| Code | Description | Pack Carton |
|-----------|----------------|-------------|
| DX 51 600 | Conduit cutter | 1/5 |

COUPLING DEVICES FOR SPIRAL SHEATH

ROTATING UNIONS



DX 54 020

STRAIGHT, REVOLVING COUPLING DEVICE - METRIC PITCH - IP54

| Code | Sheath Ø (mm) | ISO pitch | Pack Carton |
|-------------------------------|------------------|--------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 54 008 | 8 | M 12x1.5 | 20/180 |
| DX 54 010 | 10 | M 16x1.5 | 20/160 |
| DX 54 012 | 12 | M 16x1.5 | 10/100 |
| DX 54 016 | 16 | M 20x1.5 | 10/150 |
| DX 54 020 | 20 | M 25x1.5 | 10/100 |
| DX 54 022 | 22 | M 25x1.5 | 10/100 |
| DX 54 025 | 25 | M 32x1.5 | 5/60 |
| DX 54 028 | 28 | M 32x1.5 | 5/40 |
| DX 54 032 | 32 | M 40x1.5 | 5/30 |
| DX 54 040 | 40 | M 50x1.5 | 25 |
| DX 54 050 | 50 | M 63x1.5 | 15 |
| Colour: Black RAL 9005 | | | |
| DX 54 108 | 8 | M 12x1.5 | 20/180 |
| DX 54 110 | 10 | M 16x1.5 | 20/160 |
| DX 54 112 | 12 | M 16x1.5 | 10/100 |
| DX 54 116 | 16 | M 20x1.5 | 10/150 |
| DX 54 120 | 20 | M 25x1.5 | 10/100 |
| DX 54 122 | 22 | M 25x1.5 | 10/100 |
| DX 54 125 | 25 | M 32x1.5 | 5/60 |
| DX 54 128 | 28 | M 32x1.5 | 5/40 |
| DX 54 132 | 32 | M 40x1.5 | 5/30 |
| DX 54 140 | 40 | M 50x1.5 | 25 |
| DX 54 150 | 50 | M 63x1.5 | 15 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with metric pitch or in non-threaded holes via the nut and gasket supplied.



DX 54 220

STRAIGHT, REVOLVING COUPLING DEVICE - GAS PITCH - IP54

| Code | Sheath Ø (mm) | GAS pitch | Pack Carton |
|-------------------------------|------------------|--------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 54 208 | 8 | 1/4" | 20/180 |
| DX 54 210 | 10 | 1/4" | 20/160 |
| DX 54 212 | 12 | 3/8" | 10/100 |
| DX 54 214 | 14 | 1/2" | 10/150 |
| DX 54 216 | 16 | 1/2" | 10/150 |
| DX 54 220 | 20 | 3/4" | 10/100 |
| DX 54 222 | 22 | 3/4" | 10/100 |
| DX 54 225 | 25 | 1" | 5/60 |
| DX 54 228 | 28 | 1" | 5/40 |
| DX 54 232 | 32 | 1 1/4" | 5/30 |
| DX 54 235 | 35 | 1 1/4" | 5/30 |
| DX 54 240 | 40 | 1 1/2" | 25 |
| DX 54 250 | 50 | 2" | 15 |
| Colour: Black RAL 9005 | | | |
| DX 54 308 | 8 | 1/4" | 20/180 |
| DX 54 310 | 10 | 1/4" | 20/160 |
| DX 54 312 | 12 | 3/8" | 10/100 |
| DX 54 314 | 14 | 1/2" | 10/150 |
| DX 54 316 | 16 | 1/2" | 10/150 |
| DX 54 320 | 20 | 3/4" | 10/100 |
| DX 54 322 | 22 | 3/4" | 10/100 |
| DX 54 325 | 25 | 1" | 5/60 |
| DX 54 328 | 28 | 1" | 5/40 |
| DX 54 332 | 32 | 1 1/4" | 5/30 |
| DX 54 335 | 35 | 1 1/4" | 5/30 |
| DX 54 340 | 40 | 1 1/2" | 25 |
| DX 54 350 | 50 | 2" | 15 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with GAS pitches or in non-threaded holes via the nut and gasket supplied.



DX 54 420

STRAIGHT, REVOLVING COUPLING DEVICE - PG PITCH - IP54

| Code | Sheath Ø (mm) | PG pitch | Pack Carton |
|-------------------------------|------------------|-------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 54 408 | 8 | 7 | 20/180 |
| DX 54 410 | 10 | 7 | 20/160 |
| DX 54 411 | 10 | 9 | 20/160 |
| DX 54 412 | 12 | 11 | 10/100 |
| DX 54 413 | 12 | 13.5 | 10/100 |
| DX 54 414 | 14 | 13.5 | 10/150 |
| DX 54 416 | 16 | 13.5 | 10/150 |
| DX 54 417 | 16 | 16 | 10/150 |
| DX 54 420 | 20 | 21 | 10/100 |
| DX 54 422 | 22 | 21 | 10/100 |
| DX 54 425 | 25 | 29 | 5/60 |
| DX 54 428 | 28 | 29 | 5/40 |
| DX 54 432 | 32 | 36 | 5/30 |
| DX 54 435 | 35 | 36 | 5/30 |
| Colour: Black RAL 9005 | | | |
| DX 54 508 | 8 | 7 | 20/180 |
| DX 54 510 | 10 | 7 | 20/160 |
| DX 54 511 | 10 | 9 | 20/160 |
| DX 54 512 | 12 | 11 | 10/100 |
| DX 54 513 | 12 | 13.5 | 10/100 |
| DX 54 514 | 14 | 13.5 | 10/150 |
| DX 54 516 | 16 | 13.5 | 10/150 |
| DX 54 517 | 16 | 16 | 10/150 |
| DX 54 520 | 20 | 21 | 10/100 |
| DX 54 522 | 22 | 21 | 10/100 |
| DX 54 525 | 25 | 29 | 5/60 |
| DX 54 528 | 28 | 29 | 5/40 |
| DX 54 532 | 32 | 36 | 5/30 |
| DX 54 535 | 35 | 36 | 5/30 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with Pg pitches or in non-threaded holes via the nut and gasket supplied.

FIXED UNIONS



DX 56 008

STRAIGHT, FIXED COUPLING DEVICE - METRIC PITCH - IP54

| Code | Sheath Ø (mm) | ISO pitch | Pack Carton |
|------------------------------|------------------|--------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 56 008 | 8 | M12x1 | 20/160 |
| DX 56 010 | 10 | M16x1.5 | 10/170 |
| DX 56 012 | 12 | M16x1.5 | 10/150 |
| DX 56 014 | 14 | M16x1.5 | 10/130 |
| DX 56 016 | 16 | M20x1.5 | 10/110 |
| DX 56 022 | 20-22 | M25x1.5 | 10/50 |
| DX 56 025 | 25 | M25x1.5 | 10/50 |
| DX 56 028 | 28 | M32x1.5 | 10/40 |
| DX 56 040 | 40 | M40x1.5 | 15 |
| DX 56 050 | 50 | M50x1.5 | 12 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with metric pitch or in non-threaded holes via the nut and gasket supplied.



DX 56 208

STRAIGHT, FIXED COUPLING DEVICE - GAS PITCH - IP54

| Code | Sheath Ø (mm) | GAS pitch | Pack Carton |
|------------------------------|------------------|--------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 56 208 | 8 | 1/4" | 20/160 |
| DX 56 210 | 10 | 1/4" | 10/170 |
| DX 56 212 | 12 | 3/8" | 10/150 |
| DX 56 214 | 14 | 1/2" | 10/130 |
| DX 56 216 | 16 | 1/2" | 10/110 |
| DX 56 222 | 20-22 | 3/4" | 10/50 |
| DX 56 225 | 25 | 3/4" | 10/50 |
| DX 56 228 | 28 | 1" | 10/40 |
| DX 56 232 | 32 | 1 1/4" | 3/18 |
| DX 56 235 | 35 | 1 1/4" | 3/18 |
| DX 56 240 | 40 | 1 1/2" | 15 |
| DX 56 250 | 50 | 2" | 12 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with GAS pitches or in non-threaded holes via the nut and gasket supplied.



DX 56 408

STRAIGHT, FIXED COUPLING DEVICE - PG PITCH - IP54

| Code | Sheath Ø (mm) | PG pitch | Pack Carton |
|------------------------------|------------------|-------------|----------------|
| Colour: Grey RAL 7035 | | | |
| DX 56 408 | 8 | 7 | 20/160 |
| DX 56 410 | 10 | 7 | 10/170 |
| DX 56 411 | 12 | 9 | 10/150 |
| DX 56 412 | 12 | 11 | 10/150 |
| DX 56 413 | 12 | 13.5 | 10/150 |
| DX 56 414 | 14 | 13.5 | 10/130 |
| DX 56 415 | 16 | 11 | 10/110 |
| DX 56 416 | 16 | 13.5 | 10/110 |
| DX 56 417 | 16 | 16 | 10/110 |
| DX 56 422 | 20-22 | 16 | 10/50 |
| DX 56 423 | 20-22 | 21 | 10/50 |
| DX 56 425 | 25 | 21 | 10/50 |
| DX 56 428 | 28 | 29 | 10/40 |
| DX 56 432 | 32 | 36 | 3/18 |
| DX 56 435 | 35 | 36 | 3/18 |
| DX 56 440 | 40 | 42 | 15 |
| DX 56 450 | 50 | 48 | 12 |

USE: for the coupling of spiral sheaths to junction boxes in threaded holes with Pg pitches or in non-threaded holes via the nut and gasket supplied.

CONDUIT-SHEATH UNIONS



DX 43 316

MORBIDIX RELEASE CONDUIT-SHEATH UNION - IP65



| Code | Conduits Ø (mm) | Sheath Ø (mm) | Pack Carton |
|-----------|-----------------|---------------|-------------|
| DX 43 316 | 16 | 12 | 10/450 |
| DX 43 320 | 20 | 16 | 10/300 |
| DX 43 325 | 25 | 20 | 5/210 |
| DX 43 332 | 32 | 25 | 5/120 |
| DX 43 340 | 40 | 32 | 5/25 |
| DX 43 350 | 50 | 40 | 5/20 |



DX 43 416

RELEASE CONDUIT-SHEATH UNION EQUAL DIAMETER - IP65

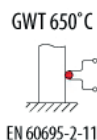


| Code | Conduits Ø (mm) | Sheath Ø (mm) | Pack Carton |
|-----------|-----------------|---------------|-------------|
| DX 43 416 | 16 | 16 | 10/360 |
| DX 43 420 | 20 | 20 | 10/240 |
| DX 43 425 | 25 | 25 | 5/150 |
| DX 43 432 | 32 | 28 | 5/40 |
| DX 43 440 | 40 | 40 | 5/20 |

USE: coupling of a solid protective conduit with a spiral sheath of the DIFLEX range;

allows the maintenance of the same internal diameter in line with the joint; the internal section for cable passage remains constant, increasing the space available for the system wires.

52 FS - CABLE TIES



STANDARD TYPE



GW 52 231

STANDARD CABLE TIES IN COLOURLESS POLYMER



| Code | Dimensions LxH (mm) | Tensile stress (daN) | Terminal grip capacity Ø | Pack Carton |
|-----------|------------------------|-------------------------|-----------------------------|----------------|
| GW 52 231 | 2.4x75 | 8 | 1.5-18 mm | 1000/20000 |
| GW 52 232 | 2.5x96 | 8 | 1.5-23 mm | 1000/20000 |
| GW 52 233 | 2.5x140 | 8 | 1.5-35 mm | 100/10000 |
| GW 52 234 | 2.5x203 | 8 | 1.5-55 mm | 100/10000 |
| GW 52 235 | 3.6x150 | 18 | 2.5-39 mm | 100/10000 |
| GW 52 236 | 3.6x203 | 18 | 2.5-55 mm | 100/10000 |
| GW 52 237 | 3.6x292 | 18 | 2.5-85 mm | 100/5000 |
| GW 52 238 | 4.8x190 | 22 | 3-52 mm | 100/5000 |
| GW 52 239 | 4.8x280 | 22 | 3-81 mm | 100/5000 |
| GW 52 240 | 4.8x368 | 22 | 3-182 mm | 100/5000 |
| GW 52 241 | 7.6x380 | 55 | 4-110 mm | 100/1000 |
| GW 52 242 | 9.0x610 | 80 | 5-185 mm | 50/500 |
| GW 52 243 | 9.0x914 | 80 | 5-270 mm | 50/500 |

daN = Decanewton (approx. 1kg).

CHARACTERISTICS: sloping tail and rounded edges. Values for resistance to tensile stress refer to T=20°C, in compliance with Standard EN 62275.

HEAVY-DUTY



GW 52 251

HEAVY DUTY WIRING TIES - BLACK POLYMER



| Code | Dimensions LxH (mm) | Tensile stress (daN) | Terminal grip capacity Ø | Pack Carton |
|-----------|------------------------|-------------------------|-----------------------------|----------------|
| GW 52 251 | 2.4x75 | 8 | 1.5-18 mm | 1000/20000 |
| GW 52 252 | 2.5x96 | 8 | 1.5-23 mm | 1000/20000 |
| GW 52 253 | 2.5x140 | 8 | 1.5-35 mm | 100/10000 |
| GW 52 254 | 2.5x203 | 8 | 1.5-55 mm | 100/10000 |
| GW 52 255 | 3.6x150 | 18 | 2.5-39 mm | 100/10000 |
| GW 52 256 | 3.6x203 | 18 | 2.5-55 mm | 100/10000 |
| GW 52 257 | 3.6x292 | 18 | 2.5-85 mm | 100/5000 |
| GW 52 258 | 4.8x190 | 22 | 3-52 mm | 100/5000 |
| GW 52 259 | 4.8x280 | 22 | 3-81 mm | 100/5000 |
| GW 52 260 | 4.8x368 | 22 | 3-102 mm | 100/5000 |
| GW 52 261 | 7.6x380 | 55 | 4-110 mm | 100/1000 |
| GW 52 262 | 9.0x610 | 80 | 5-185 mm | 50/500 |
| GW 52 263 | 9.0x914 | 80 | 5-270 mm | 50/500 |

daN = Decanewton (approx. 1kg).

CHARACTERISTICS: sloping tail and rounded edges. Values for resistance to tensile stress refer to T=20°C, in compliance with Standard EN 62275.

GW FIT

RE-OPENABLE



GW 52 271

RE-OPENABLE CABLE TIES IN BLACK POLYMER



| Code | Dimensions LxH (mm) | Tensile stress (daN) | Terminal grip capacity Ø | Pack Carton |
|-----------|------------------------|-------------------------|-----------------------------|----------------|
| GW 52 271 | 7.6x150 | 22 | 4-35 mm | 100/1000 |
| GW 52 272 | 7.6x200 | 22 | 4-50 mm | 100/1000 |
| GW 52 273 | 7.6x300 | 22 | 4-80 mm | 100/1000 |

daN = Decanewton (approx. 1kg).

CHARACTERISTICS: Values for resistance to tensile stress refer to T=20°C, in compliance with Standard EN 62275.

WITH EYELET



GW 52 281

CABLE TIES WITH EYELET IN COLOURLESS POLYMER



| Code | Dimensions LxH (mm) | Hole dimensions (mm) | Tensile stress (daN) | Terminal grip capacity Ø | Pack Carton |
|-----------|------------------------|-------------------------|-------------------------|-----------------------------|----------------|
| GW 52 281 | 2.5x100 | 4.8 | 8 | 1.5-25 mm | 100/5000 |
| GW 52 282 | 4.2x205 | 4.8 | 22 | 2.5-60 mm | 100/2000 |

daN = Decanewton (approx. 1kg).

CHARACTERISTICS: sloping tail and rounded edges. Values for resistance to tensile stress refer to T=20°C, in compliance with Standard EN 62275.

WITH PLATE



GW 52 291

CABLE TIES WITH IDENTIFICATION TAG IN COLOURLESS POLYMER

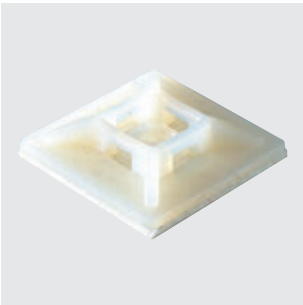


| Code | Dimensions LxH (mm) | Tensile stress (daN) | Terminal grip capacity Ø | Label | Pack Carton |
|-----------|------------------------|-------------------------|-----------------------------|---------------------|----------------|
| GW 52 291 | 2.5x100 | 8 | 5-25 mm | 25 x 8 crossways | 100/5000 |
| GW 52 292 | 2.5x110 | 8 | 1.5-25 mm | 25 x 8 double-sided | 100/5000 |
| GW 52 293 | 2.5x200 | 8 | 10-50 mm | 30 x 15 crossways | 100/2000 |
| GW 52 294 | 4.6x200 | 22 | 10-50 mm | 28 x 13 lenghtways | 100/2000 |

daN = Decanewton (approx. 1kg).

CHARACTERISTICS: sloping tail and rounded edges. Values for resistance to tensile stress refer to T=20°C, in compliance with Standard EN 62275.

COMPLEMENTARY ITEMS



GW 52 227

TWO-WAY SELF-ADHESIVE BASES IN COLOURLESS POLYMER TO SECURE CABLE TIES



| Code | Description | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|----------------------|--------------------------|----------------|
| GW 52 226 | For ties up to 4.5mm | 19x3.9x19 | 100/3000 |
| GW 52 227 | For ties up to 5mm | 28x4.0x28 | 100/3000 |

USE: use the self-adhesive clips for non heavy-duty applications only. In all other cases where it is necessary to guarantee the hold, use the special supports.

NOTES: to install the product correctly, fix the clip on a smooth, clean, dry surface, with a maximum distance of 10cm between the clips, and place on a horizontal surface with the self-adhesive part facing downwards.



GW 52 229

COLOURLESS POLYMER SADDLES TO SECURE CABLE TIES



| Code | Description | Outer dim. LxHxD (mm) | Pack Carton |
|-----------|--------------------|--------------------------|----------------|
| GW 52 228 | For ties up to 5mm | 15x7x10 | 100/3000 |
| GW 52 229 | For ties up to 9mm | 23x9x16 | 100/3000 |

CHARACTERISTICS: screw fixing.



GW 52 410

TIE TOOL

| Code | Suitable for | Pack Carton |
|-----------|-----------------|----------------|
| GW 52 410 | Cable ties | 1/10 |

52 FS - OUTDOOR TIES



GWT 650°C



EN 60695-2-11

L.T.R. TIES



GW 52 201

OUTDOOR BLACK TIES IN L.T.R. POLYAMIDE 12



| Code | Dimensions LxH (mm) | Number of heads | Tensile stress (daN) | Terminal grip capacity Ø | Pack Carton |
|-----------|------------------------|-----------------|-------------------------|-----------------------------|----------------|
| GW 52 201 | 6x115 | 1 | 24.5 | 5-25 mm | 100/4000 |
| GW 52 202 | 6x180 | 1 | 24.5 | 9-45 mm | 100/3000 |
| GW 52 203 | 6x290 | 1 | 24.5 | 20-78 mm | 100/1000 |
| GW 52 204 | 9x180 | 1 | 36 | 10-40 mm | 100/3000 |
| GW 52 205 | 9x265 | 2 | 50 | 26-60 mm | 100/1200 |
| GW 52 206 | 9x360 | 2 | 50 | 26-93 mm | 100/1000 |
| GW 52 207 | 9x510 | 2 | 53 | 70-140 mm | 100/500 |
| GW 52 208 | 9x760 | 2 | 53 | 70-220 mm | 100/500 |

daN = Decanewton (approx. 1kg).

L.T.R. (Low Temperature Resistance): high resistance to tensile stress at low temperatures.

CHARACTERISTICS: Values for resistance to tensile stress refer to T=20°C, in compliance with Standard EN 62275.

COMPLEMENTARY ITEMS



SHOCKPROOF POLYMER SADDLES TO SECURE OUTDOOR CABLE TIES



| Code | Description | Pack Carton |
|-----------|----------------|----------------|
| GW 52 209 | Screw support | 100/3000 |
| GW 52 210 | Wall plug base | 100/3000 |

CHARACTERISTICS: GW52209 can be installed with Ø 4.8 mm self-tapping screws.
GW52210 can be installed with Ø 8 mm holes in hard materials (e.g. concrete) and Ø 7 mm in soft materials (e.g. hollow brick).



GW 52 411

TIE TOOL

| Code | Suitable for | Pack Carton |
|-----------|-----------------|----------------|
| GW 52 411 | Outdoor ties | 1/10 |

44 MS - TRAILING AND MODULAR TERMINAL BLOCKS

GWT 850°C



EN 60695-2-11

TP 125°C



EN 60695-10-2

TRAILING TERMINALS BLOCKS



GW 44 665

MODULAR TERMINAL BLOCKS WITH MODULAR BUSBARS - 450V - T 85°C - TRANSPARENT - IP20

| Code | Max. section flex. cables | Min. section flex. cables | No. poles per bar | Pack Carton |
|---------------------------------------|---------------------------|---------------------------|-------------------|-------------|
| Type of screw: Slotted | | | | |
| GW 44 661 | 2.5 mm ² | 1 mm ² | 10 | 10/450 |
| GW 44 665 | 4 mm ² | 1.5 mm ² | 10 | 10/450 |
| GW 44 662 | 6 mm ² | 2.5 mm ² | 10 | 10/450 |
| GW 44 663 | 10 mm ² | 4 mm ² | 10 | 10/300 |
| GW 44 664 | 16 mm ² | 6 mm ² | 5 | 10/240 |
| Type of screw: Socket head 5mm | | | | |
| GW 44 666 | 25 mm ² | 10 mm ² | 1 | 5/150 |
| GW 44 667 | 35 mm ² | 16 mm ² | 1 | 5/150 |

CHARACTERISTICS: GW44666 and GW44667 supplied in single terminals.

MODULAR TERMINAL BLOCKS



GW 44 601

POLYMER 12 POLE MODULAR TERMINAL BLOCKS WITH BRASS TERMINALS - 450V - T 85°C - BLACK

| Code | Max. section flex. cables | Min. section flex. cables | hole Ø | Max load | Outer dim. LxHxD (mm) | Fixing | Pack Carton |
|-----------|---------------------------|---------------------------|--------|----------|-----------------------|------------|-------------|
| GW 44 601 | 2.5 mm ² | 0.75 mm ² | 2.9 mm | 24 A | 95x15x16 | With screw | 10/480 |
| GW 44 602 | 4 mm ² | 1.5 mm ² | 3.4 mm | 32 A | 117x17x20 | With screw | 10/240 |
| GW 44 603 | 10 mm ² | 4 mm ² | 4.4 mm | 57 A | 141x20x23 | With screw | 10/160 |
| GW 44 604 | 16 mm ² | 6 mm ² | 5.8 mm | 76 A | 172x25x32 | With screw | 10/120 |
| GW 44 605 | 25 mm ² | 10 mm ² | 7.4 mm | 101 A | 210x34x38 | With screw | 3/36 |

44 MM - MULTI-POLE TERMINAL BLOCKS

GWT 850°C



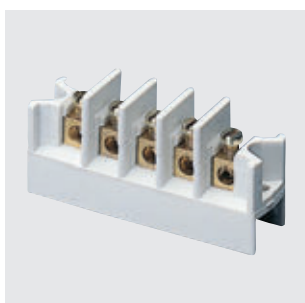
EN 60695-2-11

TP 125°C



EN 60695-10-2

PRESS-ON FIXING



GW 44 608

PRESS-ON MULTI-POLE TERMINAL BLOCKS - 450 V - GREY RAL 7035

| Code | Connecting capacity | Pack Carton |
|-----------|-----------------------------|-------------|
| GW 44 606 | 3 holes x 4 mm ² | 10/100 |
| GW 44 607 | 4 holes x 4 mm ² | 10/100 |
| GW 44 608 | 5 holes x 4 mm ² | 10/100 |

NOTES: press-on fixing on 44 CE range boxes. (see "Selection Guide" synoptic table).

SCREW-ON FIXING



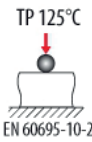
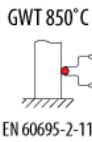
GW 44 610

SCREW-ON FEEDTHROUGH MULTI-POLE TERMINAL BLOCKS - 750V- T 85°C - GREY RAL 7035

| Code | Connecting capacity | Pack Carton |
|-------------|---------------------|-------------|
| GW 44 609 | 3 holes x 6 mm² | 10/100 |
| GW 44 610 | 5 holes x 6 mm² | 10/100 |
| GW 44 610 C | 5 holes x 6 mm² | 10/100 |
| GW 44 611 | 3 holes x 16 mm² | 10/100 |
| GW 44 612 | 5 holes x 16 mm² | 10/100 |
| GW 44 613 | 3 holes x 35 mm² | 1/10 |
| GW 44 614 | 5 holes x 35 mm² | 1/10 |

APPLICATIONS: These allow the creation of cut-outs from the main cables which, unsheathed in the part concerned, are not interrupted.
ACCESSORIES SUPPLIED: fixing screws.
NOTE: Multi-pole terminal block GW44610C is certified CSA (according to UL1059). For use also with junction boxes GW44276C and GW44277C.

44 ME - UNIPOLAR EQUIPOTENTIAL TERMINAL BLOCKS



TERMINAL BLOCKS FOR SIDE-BY-SIDE ASSEMBLY



GW 44 706

TERMINAL BLOCKS WITH INDIRECT PLATE TIGHTENING - 450V - T 85°C - TRANSPARENT

| Code | Connecting capacity | Pack Carton |
|-----------|---------------------|-------------|
| GW 44 704 | 4 ways x 6 mm² | 10/100 |
| GW 44 706 | 6 ways x 6 mm² | 10/100 |
| GW 44 708 | 8 ways x 6 mm² | 10/100 |

APPLICATIONS: embedded fixing on the GW44720 support, for coupling with the DIN rail.
NOTES: for the connection capacity, refer to the technical catalogue

ACCESSORIES FOR TERMINAL BLOCKS FOR SIDE-BY-SIDE ASSEMBLY



GW 44 720

SUPPORT FOR FIXING SIDE-BY-SIDE TERMINAL BLOCKS ON DIN RAIL

| Code | For equipotential terminal blocks | Terminal block fixing | Fixing on DIN rail | Pack Carton |
|-----------|-----------------------------------|-----------------------|--------------------|-------------|
| GW 44 720 | GW44704, GW44706, GW44708 | Clip | Lock-joint | 1/50 |

NOTES: ideal for applications on boxes of the 48 PT DIN range.
CHARACTERISTICS: supports a combination of terminal blocks with maximum 12-way capacity.
Possible combinations: 3xGW44704; 2xGW44706; 1xGW44704 + 1xGW44706; 1xGW44704 + 1xGW44708. Modular overall dimensions (width): 4.5 modules EN 50022.

MODULAR TERMINAL BLOCKS



GW 44 671

SINGLE-POLE EQUIPOTENTIAL TERMINAL BLOCKS WITH BLANKET GRIP - 450V - T 85°C - TRANSPARENT

| Code | Connecting capacity | Pack Carton |
|-----------|---|-------------|
| GW 44 671 | 3 ways x 6 mm ² | 10/100 |
| GW 44 672 | 5 ways x 6 mm ² | 10/100 |
| GW 44 673 | 4 ways x 16 mm ² | 10/50 |
| GW 44 674 | 2 ways x 16mm ² + 3 ways x 6 mm ² | 10/50 |
| GW 44 675 | 2 ways x 16mm ² + 9 ways x 6 mm ² | 5/25 |
| GW 44 676 | 2 ways x 35 mm ² + 4 ways x 16 mm ² | 1/10 |

APPLICATIONS: especially suitable for creating equipotential nodes.

ACCESSORIES SUPPLIED: self-adhesive label for identification of electrical lines.

NOTES: GW44676 equipped with feedthrough terminals. These allow the creation of cut-outs from the main cables which, unsheathed in the part concerned, are not interrupted.

ACCESSORIES FOR MODULAR TERMINAL BLOCKS



GW 44 681

SUPPORT FOR FIXING EQUIPOTENTIAL TERMINAL BLOCKS ON RAIL DIN

| Code | For equipotential terminal blocks | Terminal block fixing | Pack Carton |
|-----------|-----------------------------------|-----------------------|-------------|
| GW 44 681 | From GW44671 to GW44676 | Clip | 100 |

NOTE: not compatible with PT DIN and PT DIN GREEN WALL.



GW 44 682

ADAPTOR FOR FIXING EQUIPOTENTIAL TERMINAL BLOCKS

| Code | For equipotential terminal blocks | Terminal block fixing | Pack Carton |
|-----------|-----------------------------------|-----------------------|-------------|
| GW 44 682 | From GW44671 to GW44676 | Lock-joint | 200 |

APPLICATIONS: for fixing the equipotential terminal blocks on the plates or directly on the base inside the junction boxes and watertight boxes.

ACCESSORIES SUPPLIED: screws for fixing the adaptor.



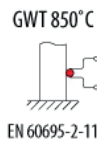
GW 44 683

RAIL FOR FIXING EQUIPOTENTIAL TERMINAL BLOCKS IN PTC FLUSH-MOUNTING MODULAR BOXES

| Code | Installable terminal blocks | Pack Carton |
|-----------|---|-------------|
| GW 44 683 | 4xGW44671; 3xGW44672; 2xGW44673; 2xGW44674; 1xGW44675 | 1/50 |

CHARACTERISTICS: width: 1 compartment. For applications with PTC boxes with 2 and 3 compartments, the rail is fixed on the dividers GW48024.

44 MP - MODULAR DISTRIBUTING FRAME TERMINAL BLOCKS



SINGLE-POLE



GW 44 651

SINGLE-POLE MODULAR DISTRIBUTION TERMINAL BLOCK - FIXING ON PLATE OR DIN RAIL - IP20

| Code | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|-------------------------------|--------------------------|----------------------------|------------------------------|-------------------------------|----------|----------------|
| Rated current (A): 160 | | | | | | |
| GW 44 651 | 35x92x49 | 2 | 1x(10-70) mm² | 6x(2.5-16) mm² | 10 kA | 1/5 |

CHARACTERISTICS: terminal tightening torque: input cables 4 Nm, output cables 1.5 Nm.
APPLICATIONS: possibility to create 1, 2, 3 and 4-pole distributing frames.



GW 44 652

RIGID JUMPER KIT AND CAP FOR ONE-POLE TERMINAL BLOCK GW44651

| Code | Description | Pack Carton |
|-----------|-------------|----------------|
| GW 44 652 | Jumper kit | 1/25 |

TWO-POLE



GW 44 691

TWO-POLE DISTRIBUTION TERMINAL BLOCKS WITH TRANSPARENT PROTECTION COVER
FIXING ON PLATE OR DIN RAIL EN 50022 - 750V - T 85°C

| Code | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|-------------------------------|--------------------------|----------------------------|------------------------------|---|----------|----------------|
| Rated current (A): 100 | | | | | | |
| GW 44 691 | 70x49x50 | 4 | 1x(6-35) mm² | [1x(4-25) + 5x(1.5-10)] mm² | 6 kA | 2/40 |
| Rated current (A): 125 | | | | | | |
| GW 44 693 | 141x49x50 | 8 | 1x(6-35) mm² | [2x(4-25) + 2x(4-16) + 10x(1.5-10)] mm² | 6 kA | 1/12 |

CHARACTERISTICS: the indicated connection capacity is "per pole" and refers to the fitting of cables with "test prods".
NOTES: products bearing the IMQ quality mark.

FOUR-POLE



GW 44 696

FOUR-POLE DISTRIBUTION TERMINAL BLOCKS WITH TRANSPARENT PROTECTION COVER
FIXING ON PLATE OR DIN RAIL EN 50022 - 750V - T 85°C

| Code | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|-------------------------------|--------------------------|----------------------------|------------------------------|---|----------|----------------|
| Rated current (A): 100 | | | | | | |
| GW 44 696 | 70x88.5x50 | 4 | 1x(6-35) mm ² | [1x(4-25) + 5x(1.5-10)] mm ² | 6 kA | 2/20 |
| Rated current (A): 125 | | | | | | |
| GW 44 698 | 141x88.5x50 | 8 | 1x(6-35) mm ² | [2x(4-25) + 2x(4-16) + 10x(1.5-10)] mm ² | 6 kA | 1/10 |
| Rated current (A): 160 | | | | | | |
| GW 44 699 | 185x75x135 | 10 | 1x(16-50) mm ² | [2x(10-35) + 2x(6-25) + 8x(4-16)] mm ² | 10 kA | 1/12 |

CHARACTERISTICS: terminal tightening torque: input cables 4 Nm, output cables 1.5 Nm.
the indicated connection capacity is "per pole" and refers to the fitting of cables with "test prods".

NOTES: products bearing the IMQ quality mark.

GW FIT



HIGH PERFORMANCE
CABLE GLANDS



The selection of GEWISS cable glands provides plastic and metal versions with IP54, IP66 and IP68 degrees of protection, developed to suit any installation requirement in industrial applications and on the machine. Completing the offer, metal cable glands for ATEX environments.

AN EXTENSIVE CONDUIT AND
CABLE FIXING SYSTEM



Available in plastic and metal and designed to meet every need: the range consists of snap-fit or collar conduit fixings accessories, also in multidiameter version and with a built-in wall plug version for faster installation.

TIES AND TERMINAL BLOCKS
FOR EFFECTIVE WIRING



Range of ties which includes 6 different product lines: from the PA66 wiring versions to the L.T.R. versions for external applications in PA12. Range of terminal blocks in various types: movable terminal blocks, multi-pole, modular distribution and equipotential single-pole for DIN rails.

CABLE GLANDS

Cable glands and plastic accessories

| TECHNICAL CHARACTERISTICS | |
|---|---|
| Regulatory Compliance: | Insulation resistance: >100MΩ a 500 V |
| Cable Glands: EN 50262; IEC 62444 | Protection degree: IP44; IP55; IP66; IP68 |
| Metric pitch: IEC/EN 60243 | Rated voltage: 2000 V a 50 Hz |
| PG pitch: DIN 40430 | Glow Wire Test: 650 °C cable glands |
| Couplings and cable glands: EN 61386-1 e EN 60670-1 as applicable | 750 °C couplings and grommets |
| Temperature of installation: Min -25°C Max +65°C (cable glands and coupling conduit/box IP66) | |
| Min -5°C Max +60°C (grommets and coupling conduit/box IP55) | |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | | |
|--|-----------------|--------------------|--------------------|--------------|-----------|-----------|-----------|-----------|---------------|-------------|--------------------|
| Agent | Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Cable glands | Resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Limited resistance |
| Couplings and cable glands | Resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Limited resistance |

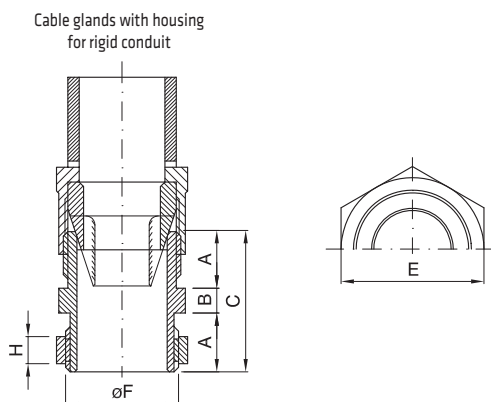
Dimension tables

PG PITCH CABLE GLANDS - IP66

The image shows a technical drawing of a PG Pitch Cable Gland. The left view is a front elevation showing the gland's profile with dimensions: H (height of the top flange), A (height of the main body), B (height of the internal thread section), C (total height), and øF (outer diameter). The right view is a side elevation showing the gland's cross-section with dimension E (width of the base).

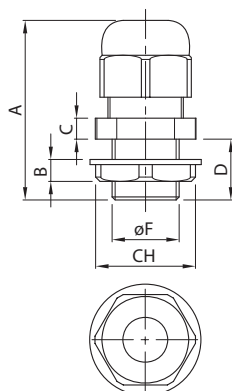
| Code | PG pitch | A | B | C | E | H | øF |
|-----------|----------|------|-----|------|----|------|------|
| GW 52 001 | 7 | 8 | 3 | 19 | 16 | 3.5 | 12.5 |
| GW 52 002 | 9 | 9 | 3.5 | 21.5 | 19 | 4 | 15.2 |
| GW 52 003 | 11 | 10.5 | 4 | 25 | 22 | 5 | 18.6 |
| GW 52 004 | 13.5 | 12 | 4.5 | 28.5 | 24 | 5.5 | 20.4 |
| GW 52 005 | 16 | 13 | 5 | 31 | 27 | 6 | 22.5 |
| GW 52 006 | 21 | 14 | 6 | 34 | 32 | 6.5 | 28.3 |
| GW 52 007 | 29 | 15 | 8 | 38 | 41 | 8 | 37 |
| GW 52 008 | 36 | 18 | 9 | 45 | 55 | 9 | 47 |
| GW 52 009 | 42 | 20 | 9 | 49 | 62 | 10 | 54 |
| GW 52 010 | 48 | 22 | 9 | 53 | 66 | 14.5 | 59.3 |

CABLE GLANDS PG STEP PITCH WITH HOUSING FOR RIGID CONDUITS



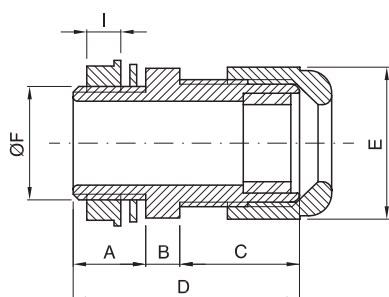
| Code | PG pitch | A | B | C | E | H | øF |
|-----------|----------|----|-----|------|----|-----|------|
| GW 52 024 | 13.5 | 12 | 4.5 | 28.5 | 24 | 5.5 | 20.4 |
| GW 52 025 | 16 | 13 | 5 | 31 | 27 | 6 | 22.5 |
| GW 52 026 | 21 | 14 | 6 | 34 | 32 | 6.5 | 28.3 |
| GW 52 027 | 29 | 15 | 8 | 38 | 41 | 8 | 37 |
| GW 52 028 | 36 | 18 | 9 | 45 | 55 | 9 | 47 |
| GW 52 029 | 42 | 20 | 9 | 49 | 62 | 10 | 54 |

PG PITCH CABLE GLANDS - IP68



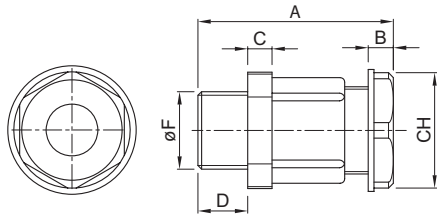
| Code | PG pitch | A | B | C | D | CH | øF |
|-----------|----------|------|-----|-----|------|----|------|
| GW 52 071 | 7 | 31 | 5.1 | 4.9 | 7.8 | 19 | 12.5 |
| GW 52 072 | 9 | 33.5 | 5.1 | 5 | 7.9 | 21 | 15.2 |
| GW 52 073 | 11 | 38 | 5.1 | 5 | 7.9 | 24 | 18.6 |
| GW 52 074 | 13.5 | 38 | 6 | 5 | 9 | 27 | 20.4 |
| GW 52 075 | 16 | 41 | 6 | 6 | 10 | 30 | 22.5 |
| GW 52 076 | 21 | 46 | 7 | 6 | 11 | 36 | 28.3 |
| GW 52 077 | 29 | 51 | 8.1 | 7 | 10.5 | 46 | 37 |
| GW 52 078 | 36 | 66 | 8 | 7.8 | 14.6 | 59 | 47 |
| GW 52 079 | 42 | 65.5 | 7.8 | 8.9 | 14.8 | 65 | 54 |
| GW 52 080 | 48 | 65.5 | 8 | 8.8 | 15.7 | 70 | 59.3 |

METRIC PITCH CABLE GLANDS - IP68



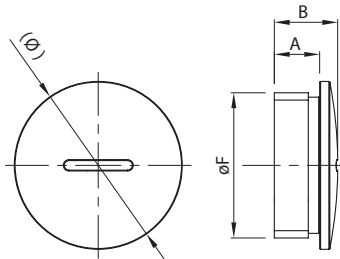
| Code | øF | A | B | C | D | E | I |
|-----------|----------|------|-----|------|------|------|----|
| GW 52 042 | M12x1.25 | 8 | 5 | 14 | 27 | 17 | 5 |
| GW 52 043 | M16x1.5 | 15 | 5 | 18 | 38 | 22 | 5 |
| GW 52 044 | M20x1.5 | 13 | 6 | 22 | 41 | 27 | 6 |
| GW 52 045 | M25x1.5 | 14.5 | 6 | 22 | 42.5 | 33 | 7 |
| GW 52 046 | M32x1.5 | 15 | 7 | 27 | 49 | 42 | 8 |
| GW 52 047 | M40x1.5 | 18 | 9 | 33 | 60 | 54 | 8 |
| GW 52 048 | M50x1.5 | 14.5 | 9 | 34.5 | 58 | 61 | 8 |
| GW 52 049 | M63x1.5 | 25.5 | 7.8 | 44 | 77.3 | 75.7 | 11 |

PG PITCH CABLE GLANDS - IP54



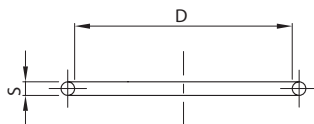
| Code | PG pitch | A | B | C | D | CH | øF |
|-----------|----------|------|-----|-----|------|----|------|
| GW 52 081 | 7 | 31.3 | 6.1 | 6 | 7.9 | 13 | 12.5 |
| GW 52 082 | 9 | 32.8 | 6.1 | 6.5 | 8.2 | 16 | 15.2 |
| GW 52 083 | 11 | 34.4 | 6 | 6.2 | 7.8 | 19 | 18.6 |
| GW 52 084 | 13.5 | 37 | 6 | 6.2 | 9 | 21 | 20.4 |
| GW 52 085 | 16 | 40 | 7 | 7.2 | 10 | 23 | 22.5 |
| GW 52 086 | 21 | 45.5 | 8.3 | 8 | 11.3 | 30 | 28.3 |
| GW 52 087 | 29 | 51.3 | 9.3 | 7.8 | 11.3 | 40 | 37 |
| GW 52 088 | 36 | 64.2 | 10 | 10 | 13 | 49 | 47 |

CLOSURE CAPS - IP65



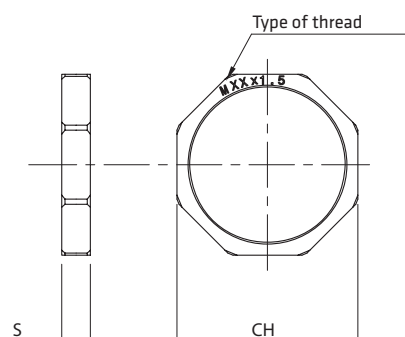
| Code | M/PG pitch | (ø) | A | B | øF |
|-----------|------------|------|------|-----|------|
| GW 52 372 | M12 | 15 | 6 | 8.4 | 12 |
| GW 52 373 | M16 | 20 | 7 | 10 | 16 |
| GW 52 374 | M20 | 25 | 6 | 9 | 20 |
| GW 52 375 | M25 | 30 | 10 | 14 | 25 |
| GW 52 376 | M32 | 37 | 10 | 14 | 32 |
| GW 52 377 | M40 | 46 | 10 | 15 | 40 |
| GW 52 378 | M50 | 56 | 13.5 | 20 | 50 |
| GW 52 379 | M63 | 70 | 15 | 20 | 63 |
| GW 52 361 | PG7 | 15 | 6 | 8 | 12.5 |
| GW 52 362 | PG9 | 19 | 6 | 8.5 | 15.2 |
| GW 52 363 | PG11 | 22 | 6 | 8.5 | 18.6 |
| GW 52 364 | PG13.5 | 25 | 6 | 8.5 | 20.4 |
| GW 52 365 | PG16 | 27 | 6 | 8.5 | 22.5 |
| GW 52 366 | PG21 | 33 | 8 | 12 | 28.3 |
| GW 52 367 | PG29 | 44.5 | 8 | 11 | 37 |
| GW 52 368 | PG36 | 55.6 | 10 | 14 | 47 |
| GW 52 369 | PG42 | 62 | 10 | 16 | 54 |
| GW 52 370 | PG48 | 68 | 12 | 17 | 59.3 |

O-RING FOR CLOSURE CAPS



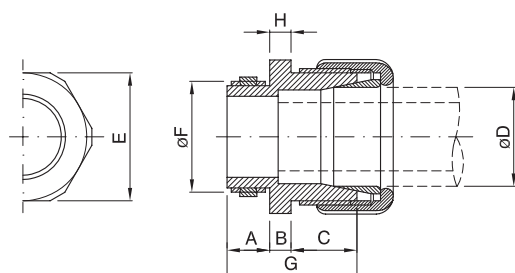
| Code | M/PG pitch | D | S |
|-----------|------------|----|------|
| GW 52 452 | M12 | 10 | 1.5 |
| GW 52 453 | M16 | 12 | 1.5 |
| GW 52 454 | M20 | 17 | 1.8 |
| GW 52 455 | M25 | 22 | 2 |
| GW 52 456 | M32 | 29 | 2 |
| GW 52 457 | M40 | 35 | 2 |
| GW 52 458 | M50 | 43 | 2 |
| GW 52 459 | M63 | 55 | 2 |
| GW 52 441 | PG7 | 10 | 12.5 |
| GW 52 442 | PG9 | 12 | 15.2 |
| GW 52 443 | PG11 | 16 | 18.6 |
| GW 52 444 | PG13.5 | 17 | 20.4 |
| GW 52 445 | PG16 | 18 | 22.5 |
| GW 52 446 | PG21 | 26 | 28.3 |
| GW 52 447 | PG29 | 33 | 37 |
| GW 52 448 | PG36 | 43 | 47 |
| GW 52 449 | PG42 | 50 | 54 |
| GW 52 450 | PG48 | 55 | 59.3 |

FIXING NUTS



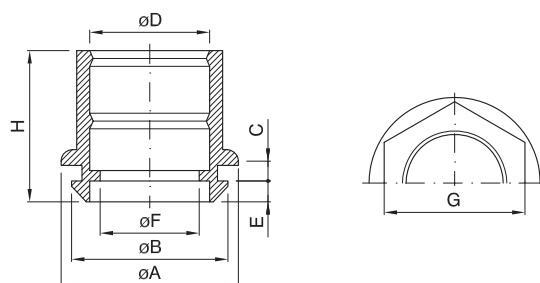
| Code | M/PG pitch | S | CH |
|-----------|------------|---|------|
| GW 52 352 | M12 | 5 | 18 |
| GW 52 353 | M16 | 5 | 22 |
| GW 52 354 | M20 | 6 | 26 |
| GW 52 355 | M25 | 6 | 32 |
| GW 52 356 | M32 | 7 | 41 |
| GW 52 357 | M40 | 7 | 50 |
| GW 52 358 | M50 | 8 | 60 |
| GW 52 359 | M63 | 8 | 75 |
| GW 52 341 | PG7 | 5 | 12.5 |
| GW 52 342 | PG9 | 5 | 15.2 |
| GW 52 343 | PG11 | 5 | 18.6 |
| GW 52 344 | PG13.5 | 6 | 20.4 |
| GW 52 345 | PG16 | 6 | 22.5 |
| GW 52 346 | PG21 | 7 | 28.3 |
| GW 52 347 | PG29 | 7 | 37 |
| GW 52 348 | PG36 | 8 | 47 |
| GW 52 349 | PG42 | 8 | 54 |
| GW 52 350 | PG48 | 8 | 59.3 |

CONDUIT/BOX COUPLINGS - IP66



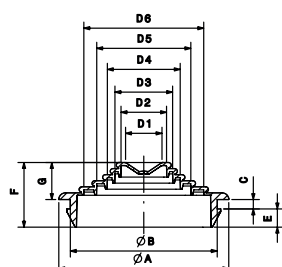
| Code | PG pitch | A | B | C | G | H | ØD | E | ØF |
|-----------|----------|------|----|------|------|------|----|----|------|
| GW 50 415 | 13.5 | 11 | 4 | 12.5 | 27.5 | 6 | 16 | 23 | 20.4 |
| GW 50 416 | 16 | 12.5 | 5 | 15.5 | 33 | 6.5 | 20 | 29 | 22.5 |
| GW 50 417 | 21 | 12.5 | 5 | 18.5 | 36 | 8 | 25 | 40 | 28.3 |
| GW 50 418 | 29 | 14 | 6 | 22 | 42 | 9 | 32 | 54 | 37 |
| GW 50 419 | 36 | 16 | 8 | 26 | 50 | 10 | 40 | 59 | 47 |
| GW 50 420 | 42 | 18 | 10 | 30 | 58 | 14.5 | 50 | 64 | 54 |

CONDUIT/BOX COUPLINGS - IP44



| Code | ØA | ØB | C | ØD | E | ØF | G | H |
|-----------|------|----|-----|----|-----|------|----|----|
| GW 50 421 | 31 | 23 | 2 | 16 | 4.5 | 12 | 22 | 26 |
| GW 50 422 | 31 | 23 | 2 | 20 | 4.5 | 16 | 24 | 26 |
| GW 50 423 | 36.5 | 29 | 2.5 | 20 | 4.5 | 16 | 24 | 32 |
| GW 50 424 | 36.5 | 29 | 2.5 | 25 | 4.5 | 21 | 30 | 32 |
| GW 50 425 | 45 | 37 | 3 | 32 | 5 | 28 | 36 | 40 |
| GW 50 426 | 52 | 37 | 3 | 40 | 5 | 31 | 46 | 50 |
| GW 50 427 | 62 | 48 | 3.5 | 50 | 5 | 41.5 | 55 | 52 |

CABLE GLANDS - IP55



| Code | ØA | ØB | C | E | F | G | D1 | D2 | D3 | D4 | D5 | D6 |
|-----------|------|------|-----|-----|------|------|------|----|----|----|----|----|
| GW 50 428 | 23.5 | 20 | 3 | 2.5 | 14 | 8.5 | 4.5 | 16 | - | - | - | - |
| GW 50 429 | 29.6 | 23.4 | 2.2 | 3.9 | 12.1 | 6 | 4-14 | 16 | 20 | - | - | - |
| GW 50 430 | 34.5 | 29.2 | 2.5 | 4.1 | 14.6 | 8 | 4-14 | 16 | 20 | 25 | - | - |
| GW 50 431 | 45 | 37.9 | 3.1 | 4.1 | 17.4 | 10.2 | 4-14 | 16 | 20 | 25 | 32 | - |
| GW 50 432 | 56 | 48.4 | 3.1 | 6 | 21.3 | 12.2 | 4-14 | 16 | 20 | 25 | 32 | 40 |

METAL CABLE GLANDS AND ACCESSORIES

| TECHNICAL CHARACTERISTICS | |
|-----------------------------------|---|
| Regulatory Compliance: | Material: nickel-plated brass; |
| Cable Glands: EN 50262; IEC 62444 | Temperature of installation: Min -30 °C Max +100 °C |
| Metric pitch: IEC/EN 60243 | Protection degree: IP65; IP68 at 3 bar |
| PG pitch: DIN 40430 | |

Dimension tables

PG/M CABLE GLANDS - IP65

The image shows a technical drawing of a PG/M cable gland. It consists of two views: a side view and a front view. The side view shows the gland's profile with a central hole for the cable. The front view shows the gland's circular face with a central hole. Dimensions are indicated: ØA is the outer diameter of the thread, ØF is the outer diameter of the flange, and CH is the height of the gland.

| Code | M/PG pitch | CH | Sealing gasket 1 Ø A | Sealing gasket 2 Ø A | Sealing gasket 3 Ø A | Sealing gasket 4 Ø A | øF |
|-----------|------------|----|-------------------------|-------------------------|-------------------------|-------------------------|------|
| GW 76 841 | PG11 | 18 | 7.5 | 10 | 12.5 | | 18.6 |
| GW 76 842 | PG13.5 | 20 | 7.5 | 10 | 12.5 | | 20.4 |
| GW 76 843 | PG16 | 22 | 7.5 | 10 | 12.5 | 15 | 22.5 |
| GW 76 844 | PG21 | 28 | 10 | 13 | 16 | 19 | 28.3 |
| GW 76 845 | PG29 | 37 | 18 | 21 | 24 | 27 | 37 |
| GW 76 846 | PG36 | 47 | 24 | 27 | 30 | 33 | 47 |
| GW 76 847 | PG42 | 54 | 30 | 33 | 36 | 39 | 54 |
| GW 76 848 | M20 | 20 | 4 | 7 | 10 | 13 | 20 |
| GW 76 849 | M25 | 25 | 8.5 | 11.5 | 14.5 | 17.5 | 25 |
| GW 76 850 | M32 | 32 | 16 | 19 | 22 | 25 | 32 |
| GW 76 851 | M40 | 40 | 23 | 26 | 29 | 32 | 40 |
| GW 76 852 | M50 | 50 | 30 | 33 | 36 | 39 | 50 |

PG/M METAL CABLE GLANDS - IP68

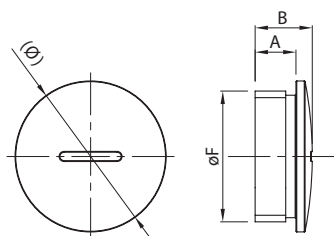
The diagram illustrates the dimensions of a PG/M metal cable gland. It shows a cross-section of the gland with a central cable passing through. The dimensions are labeled as follows: CH1 is the total height of the gland; CH2 is the height of the flange; A is the thickness of the flange; and ØF is the outer diameter of the flange. The drawing also shows the internal structure of the gland, including the cable entry point and the flange.

| Code | M/PG pitch | CH1 | CH2 | A | øF |
|-----------|------------|-----|-----|-----|------|
| GW 76 825 | PG11 | 20 | 20 | 6 | 18.6 |
| GW 76 826 | PG13.5 | 22 | 22 | 6.5 | 20.4 |
| GW 76 827 | PG16 | 24 | 24 | 6.5 | 22.5 |
| GW 76 828 | PG21 | 30 | 30 | 7 | 28.3 |
| GW 76 829 | PG29 | 40 | 40 | 8 | 37 |
| GW 76 830 | PG36 | 50 | 50 | 9 | 47 |
| GW 76 897 | PG42 | 60 | 60 | 9 | 54 |
| GW 76 894 | M12 | 14 | 14 | 6 | 12 |
| GW 76 896 | M16 | 20 | 20 | 6 | 16 |
| GW 76 831 | M20 | 24 | 24 | 6.5 | 20 |
| GW 76 832 | M25 | 30 | 30 | 7 | 25 |
| GW 76 833 | M32 | 40 | 40 | 8 | 32 |
| GW 76 834 | M40 | 50 | 50 | 9 | 40 |
| GW 76 835 | M50 | 60 | 60 | 9 | 50 |
| GW 76 895 | M63 | 68 | 68 | 10 | 63 |

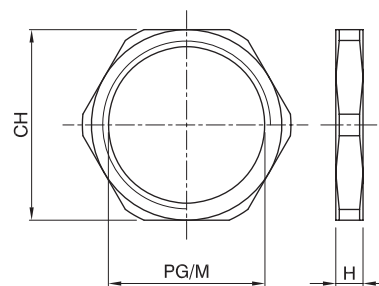
PG/M EXTENSIONS

The diagram shows a cross-section of a PG/M extension. It consists of a main vertical body and a flange at the top. The total height of the main body is labeled as PG/M (1). The height of the flange is labeled as PG/M (2). The flange has a hatched top surface. A dashed horizontal line indicates the interface between the main body and the flange.

| Code | PG/M1 | PG/M2 |
|------------------|--------|--------|
| GW 76 865 | PG11 | PG13.5 |
| GW 76 866 | PG13.5 | PG16 |
| GW 76 867 | PG16 | PG21 |
| GW 76 868 | PG21 | PG29 |
| GW 76 869 | PG29 | PG36 |
| GW 76 870 | M20 | M25 |
| GW 76 871 | M25 | M32 |
| GW 76 872 | M32 | M40 |
| GW 76 873 | M40 | M50 |

PG/M CLOSURE CAPS


| Code | M/PG pitch | A | B | ϕC | ϕF |
|------------------|------------|-----|-----|----------|----------|
| GW 76 972 | M12 | 6.5 | 9.5 | 14 | 12 |
| GW 76 973 | M16 | 6 | 9 | 20 | 16 |
| GW 76 975 | M20 | 6.5 | 8.5 | 22 | 20 |
| GW 76 976 | M25 | 7 | 10 | 27 | 25 |
| GW 76 977 | M32 | 8 | 11 | 34 | 32 |
| GW 76 978 | M40 | 9 | 13 | 44 | 40 |
| GW 76 979 | M50 | 10 | 15 | 54 | 50 |
| GW 76 974 | M63 | 10 | 16 | 68 | 63 |
| GW 76 980 | PG11 | 6 | 9 | 20 | 18.6 |
| GW 76 981 | PG13.5 | 6.5 | 9.5 | 22 | 20.4 |
| GW 76 982 | PG16 | 6.5 | 9.5 | 24 | 22.5 |
| GW 76 983 | PG21 | 7 | 11 | 30 | 28.3 |
| GW 76 984 | PG29 | 8 | 12 | 39 | 37 |
| GW 76 985 | PG36 | 9 | 15 | 50 | 47 |
| GW 76 986 | PG42 | 10 | 16 | 57 | 54 |

PG/M FIXING NUTS


| Code | M/PG pitch | CH | H |
|------------------|------------|----|-----|
| GW 76 966 | M12 | 15 | 2.8 |
| GW 76 951 | M16 | 19 | 2.8 |
| GW 76 952 | M20 | 23 | 3 |
| GW 76 953 | M25 | 29 | 3.5 |
| GW 76 954 | M32 | 36 | 4 |
| GW 76 955 | M40 | 45 | 4.5 |
| GW 76 956 | M50 | 55 | 5.5 |
| GW 76 967 | M63 | 70 | 6 |
| GW 76 957 | PG11 | 21 | 3 |
| GW 76 958 | PG13.5 | 23 | 3 |
| GW 76 959 | PG16 | 26 | 3 |
| GW 76 960 | PG21 | 32 | 3.5 |
| GW 76 961 | PG29 | 41 | 4 |
| GW 76 962 | PG36 | 51 | 5 |
| GW 76 963 | PG42 | 60 | 5 |

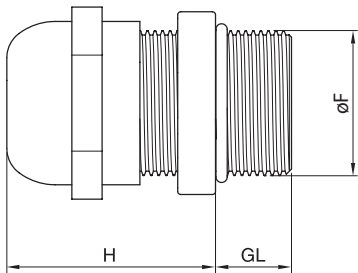
METAL CABLE GLANDS FOR ATEX ENVIRONMENTS

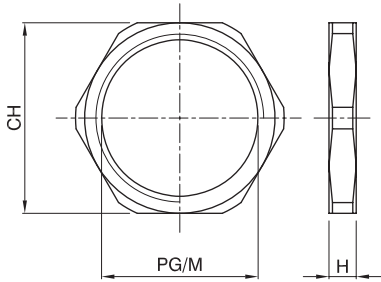
Atex

| TECHNICAL CHARACTERISTICS | |
|--|--|
| Regulatory Compliance: | Material: Nickel plated brass (metal cable glands) |
| EN 50262; IEC 62444; EN 60079-0; EN 60079-7; EN 60079-31 | Installation Temperature: Min -20°C Max +95°C |
| Metric pitch: IEC/EN 60243 | Degree of protection: IP68 - 10 bar |
| PG pitch: DIN 40430 | |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | | |
|--|-----------------|--------------|-----------|--------------|-----------|-----------|-----------|-----------|---------------|-------------|-----------|
| Agent | Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Metal cable glands | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant |

Dimension tables

| CABLE GLANDS IN NICKEL-PLATED BRASS - PG AND METRIC PITCH - IP68 | | | | |
|--|------------|----|----|------|
|  | | | | |
| Code | M/PG pitch | H | GL | øF |
| GW 76 901 | PG7 | 19 | 10 | 12.5 |
| GW 76 902 | PG9 | 21 | 10 | 15.2 |
| GW 76 903 | PG11 | 24 | 10 | 18.6 |
| GW 76 904 | PG13.5 | 23 | 10 | 20.4 |
| GW 76 905 | PG16 | 23 | 10 | 22.5 |
| GW 76 906 | PG21 | 24 | 12 | 28.3 |
| GW 76 907 | PG29 | 29 | 12 | 37 |
| GW 76 908 | PG36 | 35 | 15 | 47 |
| GW 76 909 | PG42 | 37 | 15 | 54 |
| GW 76 910 | PG48 | 38 | 15 | 59.3 |
| GW 76 921 | M12 | 19 | 10 | 12 |
| GW 76 922 | M16 | 22 | 10 | 16 |
| GW 76 923 | M20 | 24 | 10 | 20 |
| GW 76 924 | M25 | 26 | 12 | 25 |
| GW 76 925 | M32 | 31 | 12 | 32 |
| GW 76 926 | M40 | 37 | 15 | 40 |
| GW 76 927 | M50 | 37 | 15 | 50 |
| GW 76 928 | M63 | 38 | 15 | 63 |

| FIXING NUTS NICKEL-PLATED BRASS PG AND METRIC STEP | | | |
|---|--------|-----|----|
|  | | | |
| Code | PG/M | H | CH |
| GW 76 941 | PG7 | 2.8 | 15 |
| GW 76 942 | PG9 | 2.8 | 18 |
| GW 76 957 | PG11 | 3 | 21 |
| GW 76 958 | PG13.5 | 3 | 23 |
| GW 76 959 | PG16 | 3 | 26 |
| GW 76 960 | PG21 | 3.5 | 32 |
| GW 76 961 | PG29 | 4 | 41 |
| GW 76 962 | PG36 | 5 | 51 |
| GW 76 963 | PG42 | 5 | 60 |
| GW 76 943 | PG48 | 5.5 | 64 |
| GW 76 949 | M12 | 2.8 | 15 |
| GW 76 951 | M16 | 2.8 | 19 |
| GW 76 952 | M20 | 3 | 23 |
| GW 76 953 | M25 | 3.5 | 29 |
| GW 76 954 | M32 | 4 | 36 |
| GW 76 955 | M40 | 4.5 | 45 |
| GW 76 956 | M50 | 5.5 | 55 |
| GW 76 950 | M63 | 6.0 | 70 |

ACCESSORIES FOR FIXING CONDUITS AND CABLES

Plastic fixing for pipes and cables

TECHNICAL CHARACTERISTICS

Standard: IEC EN 61386-1 (when applicable);

Installation temperature: min. -5°C; max. +60°C

Insulation resistance: > 100 MΩ at 500V

Installation type: on wall or ceiling

Dielectric rigidity: 2000V at 50 Hz

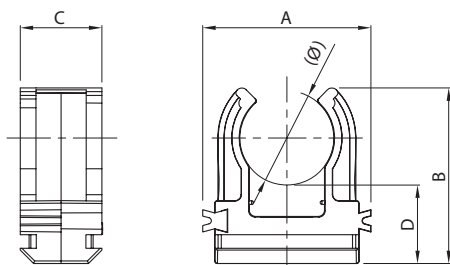
Glow wire test: 750°C

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Agent | Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-------------------|-----------------|--------------------|--------------------|--------------|-----------|-----------|--------------------|--------------------|---------------|-------------|--------------------|
| | | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| 50 AC Supports | Resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Limited resistance |
| 50 AC Accessories | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant |

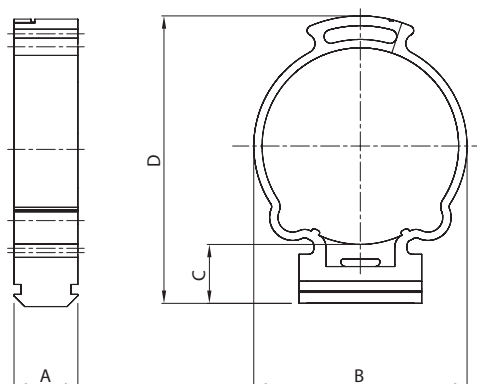
Dimension tables

MEDIA RELEASE POLYMER SHOCKPROOF



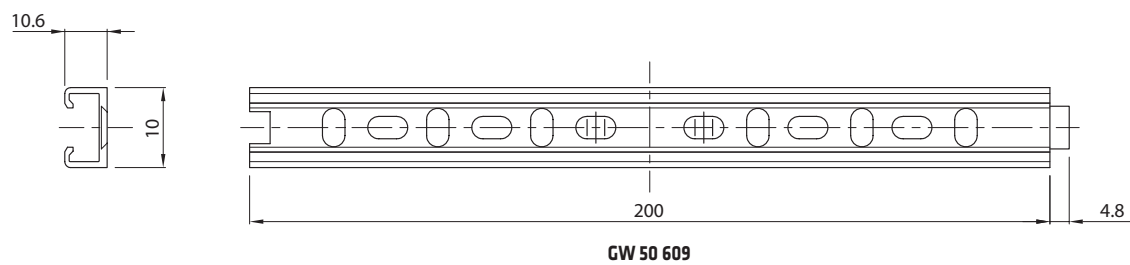
| Code | Ø Pipe | A | B | C | D |
|-----------|--------|----|----|----|------|
| GW 50 601 | 16 | 27 | 28 | 13 | 12.5 |
| GW 50 602 | 20 | 31 | 31 | 13 | 12.5 |
| GW 50 603 | 25 | 36 | 34 | 13 | 12.5 |
| GW 50 604 | 32 | 42 | 38 | 13 | 12.5 |
| GW 50 628 | 40 | 51 | 44 | 13 | 12.5 |
| GW 50 629 | 50 | 63 | 51 | 13 | 12.5 |

SUPPORTS IN POLYMER SHOCK COLLAR

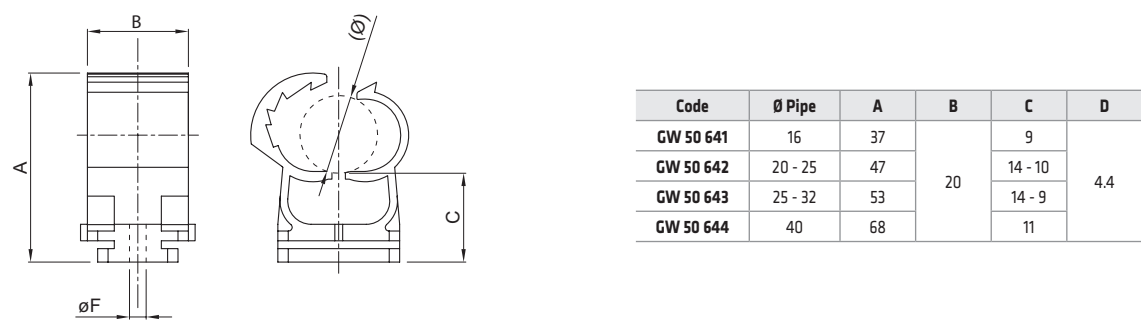


| Code | Ø Pipe | A | B | C | D |
|-----------|--------|----|----|----|----|
| GW 50 605 | 16 | 13 | 25 | 13 | 37 |
| GW 50 606 | 20 | 13 | 26 | 13 | 43 |
| GW 50 607 | 25 | 13 | 31 | 13 | 47 |
| GW 50 608 | 32 | 13 | 38 | 13 | 55 |
| GW 50 630 | 40 | 13 | 47 | 13 | 61 |
| GW 50 631 | 50 | 13 | 57 | 13 | 71 |

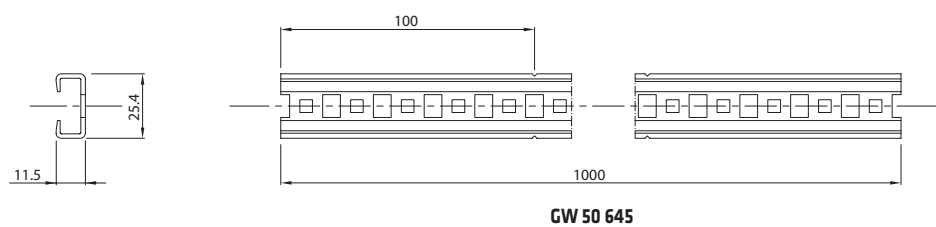
MODULAR LOCK-JOINT RAIL TO FIX SHOCKPROOF POLYMER SUPPORTS



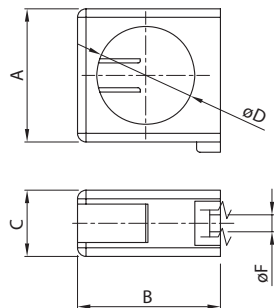
COLLAR SUPPORTS WITH AUTOMATIC CLIP-FIXING



RAIL FOR COLLAR SUPPORTS WITH AUTOMATIC CLIP-FIXING

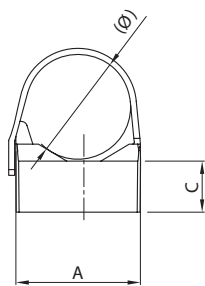


MULTI-DIAMETER CLAMP SUPPORTS

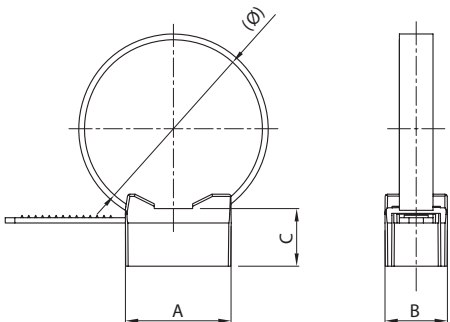


| Code | Diameter | Ø D | Ø F | A | B | C | D |
|-----------|----------|-----|-----|------|------|------|------|
| GW 50 651 | 16-20 | 23 | 4 | 30.5 | 33.7 | 15.7 | 51.6 |
| GW 50 652 | 25-32 | 49 | 4 | 45 | 48.9 | 15.7 | 66.7 |
| GW 50 653 | 40-50 | 54 | 4 | 69.3 | 72.3 | 16.8 | 82.4 |

FIXING COLLAR

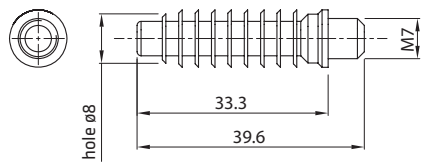


| Code | Ø Pipe | A | B | C |
|-----------|--------|----|----|---|
| DX 51 120 | 16-20 | 23 | 13 | 9 |

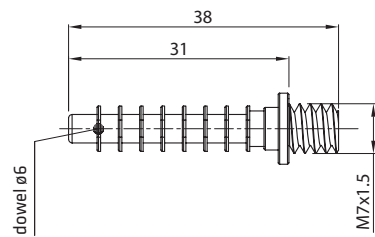


| Code | Ø Pipe | A | B | C |
|-----------|---------|----|----|----|
| DX 51 232 | 16 - 32 | 21 | 13 | 12 |
| DX 51 263 | 25 - 63 | 42 | | |

FIXING DOWELS FOR COLLAR

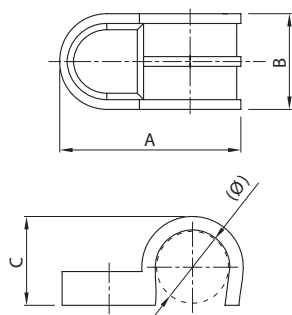


DX 51 308



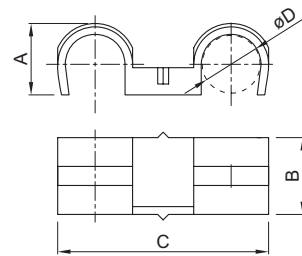
DX 51 306

SINGLE CLIP WITHOUT NAIL



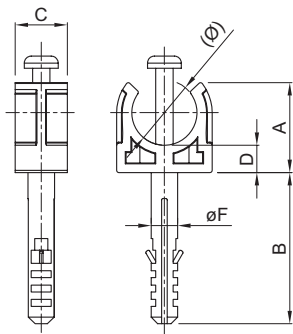
| Code | Ø Pipe | A | B | C |
|-----------|--------|----|----|------|
| GW 50 671 | 16 | 41 | 23 | 18 |
| GW 50 672 | 20 | 45 | | 22 |
| GW 50 673 | 25 | 48 | | 26.5 |

DOUBLE CLIPWITHOUT NAIL



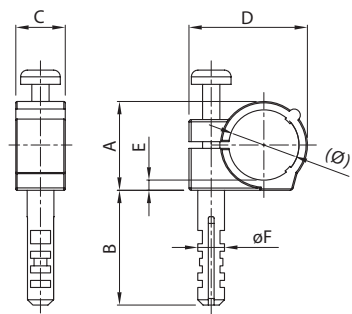
| Code | Diameter | A | B | C |
|-----------|----------|----|------|----|
| GW 50 681 | 16 | 16 | 22.6 | 58 |
| GW 50 682 | 20 | 21 | 22.6 | 62 |
| GW 50 683 | 25 | 26 | 22.6 | 70 |

SNAP-ON SUPPORT WITH BUILT-IN WALL PLUG



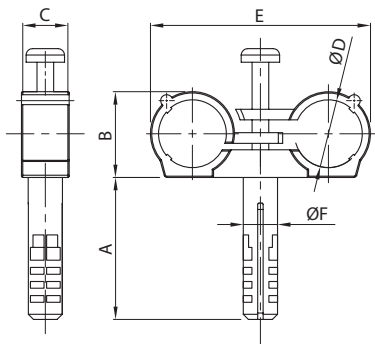
| Code | Ø Pipe | Ø F | A | B | C | D |
|-----------|--------|-----|------|----|----|----|
| GW 50 706 | 16 | 6 | 21 | 31 | 12 | 6 |
| GW 50 707 | 20 | 6 | 23.5 | 31 | 12 | 6 |
| GW 50 708 | 25 | 6 | 27 | 31 | 12 | 6 |
| GW 50 709 | 32 | 8 | 39 | 41 | 14 | 10 |

COLLAR SUPPORT WITH BUILT-IN WALL PLUG



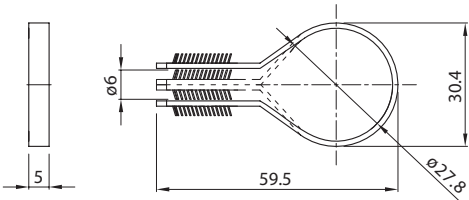
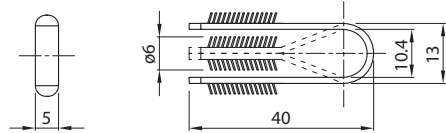
| Code | Ø Pipe | A | B | C | D | E | (Ø) F |
|-----------|--------|----|----|------|----|-----|-------|
| GW 50 716 | 16 | 21 | 26 | 11 | 27 | 2.5 | 6 |
| GW 50 717 | 20 | 28 | 31 | 13.5 | 37 | 4 | 8 |
| GW 50 718 | 25 | 36 | 41 | 18 | 48 | | 10 |

DOUBLE COLLAR SUPPORT WITH BUILT-IN WALL PLUG



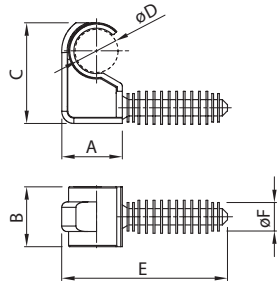
| Code | Ø D | Ø F | A | B | C | E |
|-----------|------|-----|------|------|------|------|
| GW 50 726 | 16.3 | 8 | 33.5 | 21 | 11 | 51.6 |
| GW 50 727 | 20.4 | 10 | 43.5 | 28.8 | 13.5 | 66.7 |
| GW 50 728 | 26 | 10 | 43.5 | 35.9 | 18 | 82.4 |

TIE SUPPORT WITH BUILT-IN WALL PLUG



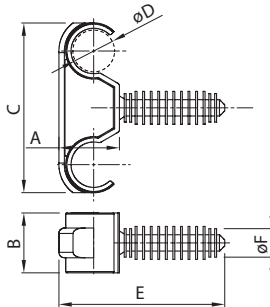
GW FIT

SINGLE CLIP WITH BUILT-IN WALL PLUG



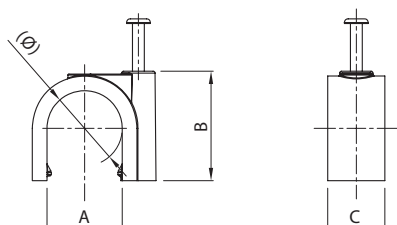
| Code | Diameter | A | B | C | E | F |
|-----------|----------|------|----|------|------|---|
| GW 50 776 | 16 | 20 | 20 | 33.3 | 54.8 | 8 |
| GW 50 777 | 20 | 23.7 | 20 | 35.5 | 58.5 | 8 |
| GW 50 778 | 25 | 27.5 | 20 | 40.3 | 62.4 | 8 |

DOUBLE CLIP WITH BUILT-IN WALL PLUG



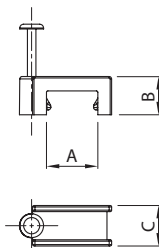
| Code | Diameter | A | B | C | E | F |
|-----------|----------|------|----|------|------|---|
| GW 50 786 | 16 | 20 | 20 | 54.8 | 56.1 | 8 |
| GW 50 787 | 20 | 23.7 | 20 | 58.5 | 60.1 | 8 |
| GW 50 788 | 25 | 27.5 | 20 | 62.4 | 70.1 | 8 |

CLIPS WITH HARDENED STEEL PIN



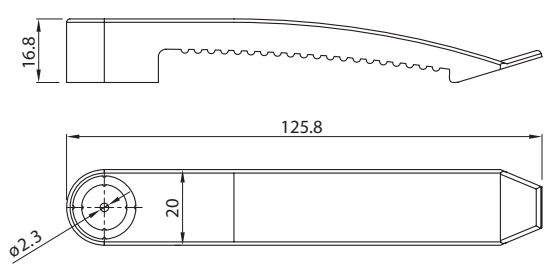
| Code | Color | Ø Cable | A | B | C |
|-----------|-------|---------|------|------|------|
| GW 50 610 | Grey | 3 - 4 | 4 | 6.5 | 6.4 |
| GW 50 611 | Grey | | 5.4 | 9.4 | 6.5 |
| GW 50 621 | White | 5 - 6 | 5.4 | 9.4 | 6.5 |
| GW 50 612 | Grey | | 8 | 13 | 6.9 |
| GW 50 622 | White | 7 - 8 | 8 | 13 | 6.9 |
| GW 50 613 | Grey | | 9.3 | 13.8 | 6.8 |
| GW 50 614 | Grey | 11 - 12 | 11 | 15.8 | 9 |
| GW 50 615 | Grey | 13 - 14 | 14 | 20 | 9 |
| GW 50 616 | Grey | 15 - 16 | 15.8 | 21 | 12 |
| GW 50 617 | Grey | 19 - 20 | 18.4 | 22.8 | 11 |
| GW 50 618 | Grey | 21 - 22 | 20.3 | 27.5 | 12.3 |
| GW 50 619 | Grey | 25 - 26 | 22.5 | 31.2 | 13 |
| GW 50 620 | Grey | 31 - 32 | 33.3 | 39.3 | 14 |

CLIPS WITH PIN OF HARDENED STEEL

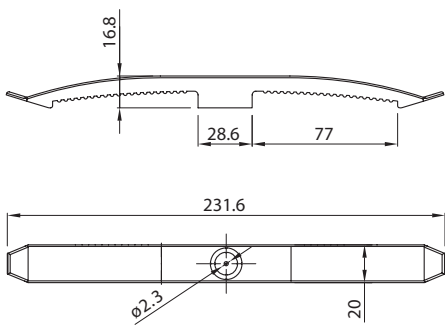


| Code | Ø Cable | A | B | C |
|-----------|---------|------|-----|-----|
| GW 50 623 | 5-6 | 5.8 | 5.8 | 7 |
| GW 50 624 | 7-8 | 7.7 | 6.7 | 7.5 |
| GW 50 625 | 10-11 | 10.8 | 8 | 8.7 |

FIXING HANGER FOR CABLES



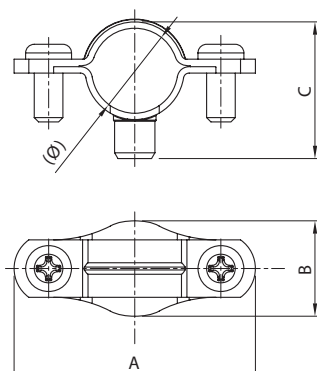
GW 50 691



GW 50 692

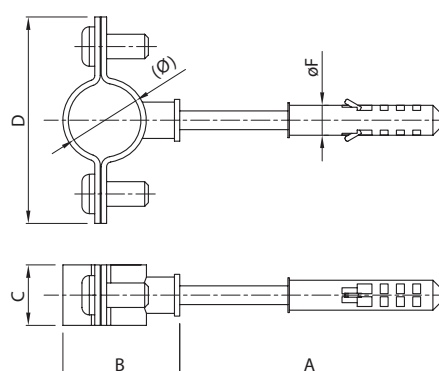
Metal fixing devices

GALVANIZED STEEL COLLARS



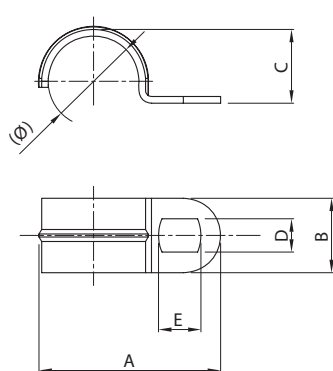
| (Ø) Conduit/Cable | Code | A | B | C |
|-------------------|-----------|------|------|------|
| 10-11 | GW 50 801 | 39 | 15 | 15 |
| 12-13 | GW 50 802 | 37.6 | 19 | 15.2 |
| 14-15 | GW 50 803 | | 20.1 | 15.4 |
| 16-17 | GW 50 804 | 42.6 | 21 | 16.3 |
| 19-20 | GW 50 805 | 45.5 | 25 | 16 |
| 21-22 | GW 50 806 | 45 | 26.8 | 16.5 |
| 25-26 | GW 50 807 | 47.5 | 31 | 15.8 |
| 31-32 | GW 50 808 | 55.4 | 37.4 | 15.3 |
| 38-40 | GW 50 809 | 64.8 | 44.9 | 16.2 |
| 48-50 | GW 50 810 | 76.5 | 55 | 15.4 |

GALVANIZED STEEL COLLAR WITH INCORPORATED WALL PLUG



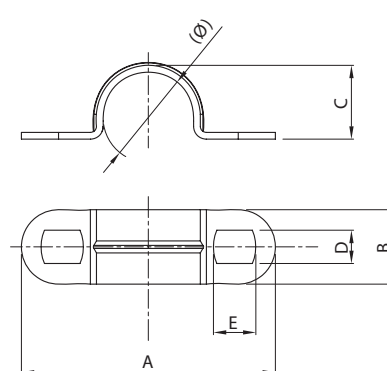
| (Ø) Conduit/Cable | Code | A | B | C | D | (Ø) F |
|-------------------|-----------|------|------|------|------|-------|
| 16-17 | GW 50 841 | 55.2 | 23.8 | 12.2 | 42 | 6 |
| 19-20 | GW 50 842 | 55.5 | 28.5 | 12.2 | 45 | |
| 25-26 | GW 50 843 | 76.8 | 33.2 | 14 | 48.7 | 8 |
| 31-32 | GW 50 844 | 76.2 | 41.8 | 12.2 | 57.4 | |
| 38-40 | GW 50 845 | 77.1 | 46.9 | 16.2 | 62.7 | |
| 48-50 | GW 50 846 | 76.8 | 58.2 | 16.2 | 78.5 | |

GALVANIZED STEEL CLIPS



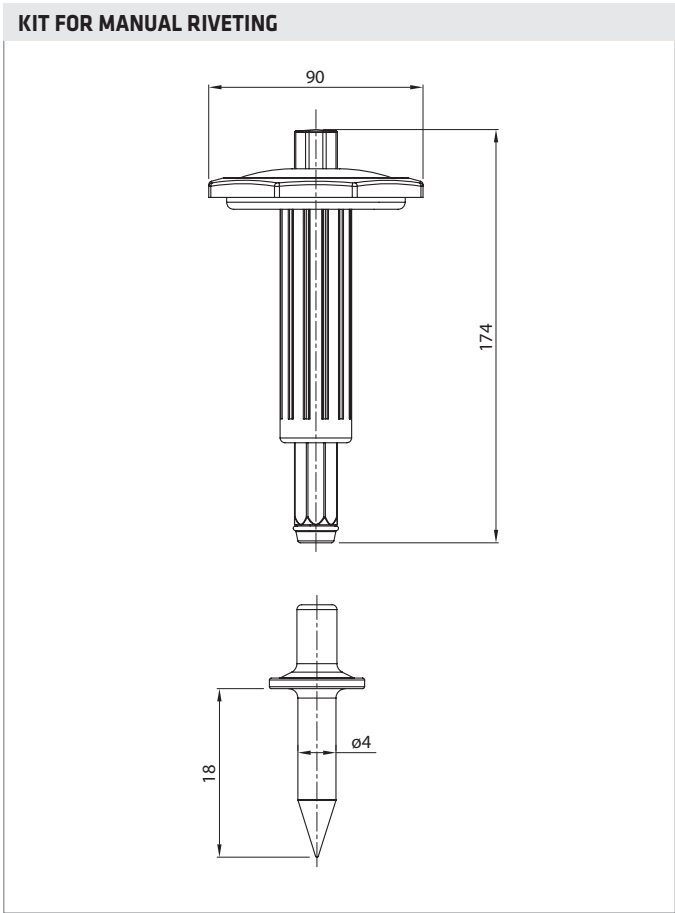
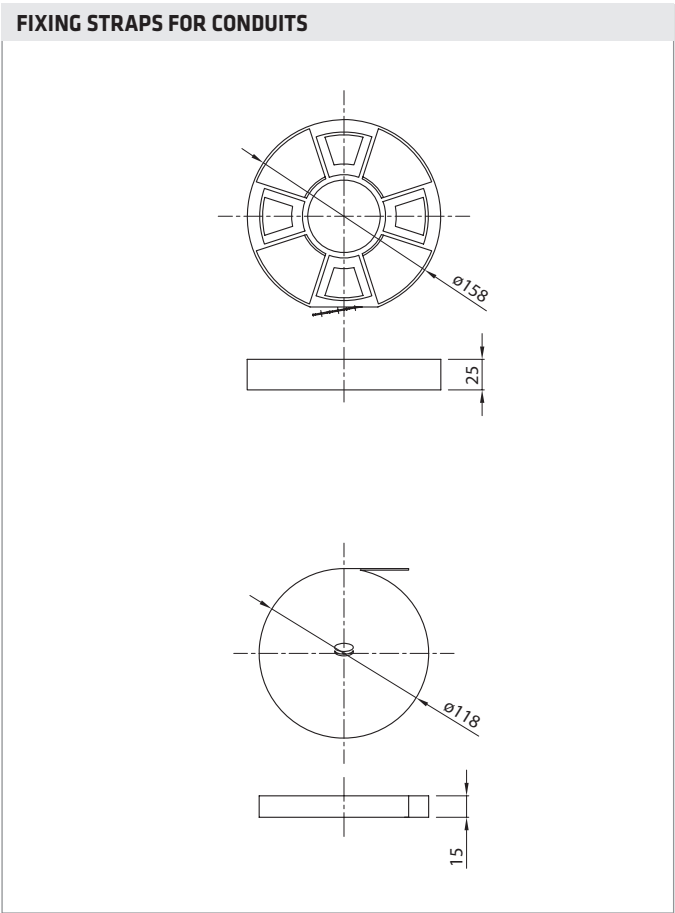
| (Ø) Conduit/Cable | Code | A | B | C | D | E |
|-------------------|-----------|------|----|------|-----|----|
| 10÷11 | GW 50 811 | 33.3 | 14 | 11 | 6.5 | 12 |
| 12÷13 | GW 50 812 | 39 | | 12.7 | | |
| 14÷15 | GW 50 813 | 35 | | 14.8 | | |
| 16÷17 | GW 50 814 | 43.6 | | 16.4 | | |
| 19÷20 | GW 50 815 | 46 | 16 | 21.5 | 6.5 | 14 |
| 21÷22 | GW 50 816 | 46.5 | | 23.8 | | |
| 25÷26 | GW 50 817 | 49.3 | | 26.8 | | |
| 31÷32 | GW 50 818 | 59.4 | | 33.5 | | |
| 38÷40 | GW 50 819 | 68.7 | | 42.8 | | |
| 48÷50 | GW 50 820 | 76 | | 54.6 | | |

GALVANIZED STEEL U-BOLTS

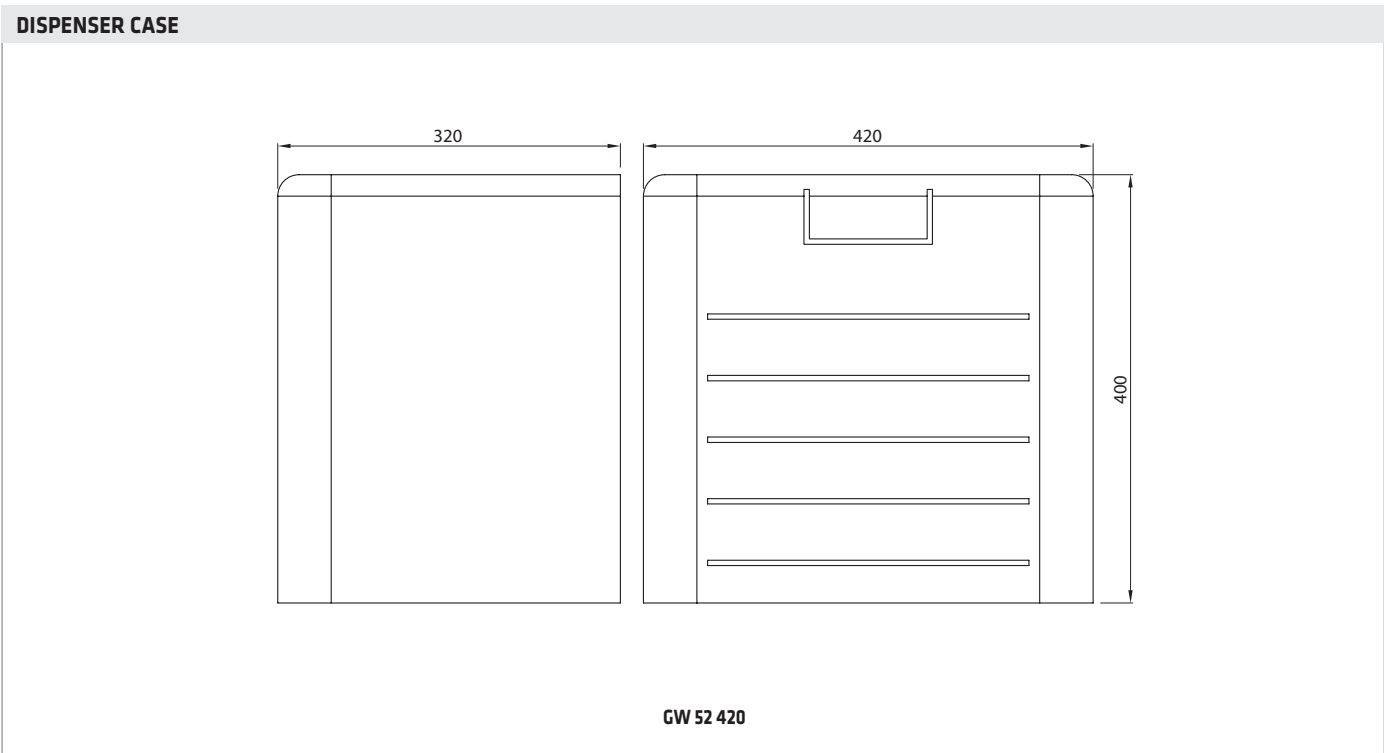


| (Ø) Conduit/Cable | Code | A | B | C | D | E |
|-------------------|-----------|------|----|------|-----|----|
| 10-11 | GW 50 821 | 42.9 | 10 | 11.8 | 4.8 | 7 |
| 12-13 | GW 50 822 | 51.8 | | 13.8 | | |
| 14-15 | GW 50 823 | 50.8 | | 15.8 | | |
| 16-17 | GW 50 824 | 53.5 | 12 | 17.3 | 6.5 | 10 |
| 19-20 | GW 50 825 | 56.5 | | 21.5 | | |
| 21-22 | GW 50 826 | 63.4 | | 23.6 | | |
| 25-26 | GW 50 827 | 68 | | 27 | | |
| 31-32 | GW 50 828 | 78 | 14 | 33.5 | 6.5 | 10 |
| 38-40 | GW 50 829 | 83.8 | | 41.6 | | |
| 48-50 | GW 50 830 | 95.8 | | 53 | | |

Fixing for corrugated conduits



Dispenser for accessories

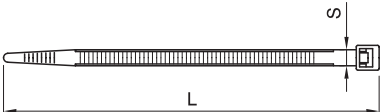


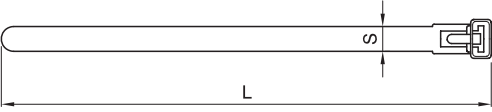
52 FS - CABLE TIES

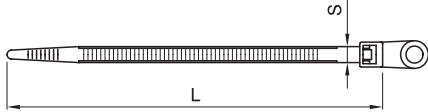
| TECHNICAL CHARACTERISTICS | |
|--|--|
| Standard: IEC 62275; EN 62275 | Material: polyamide 66 (standard wiring), halogen-free in accordance with CEI EN 60754-2 |
| Fume corrosiveness: < 5% | (CEI EN 50267-2-2) polyamide 66 charged with "A" carbonate (heavy duty wiring) |
| Flame resistance in compliance with UL 94: V2 | Oxygen limit index: 27% (standard wiring); |
| Service temperature range: -40°C to +85°C (max. peaks 135°C) | 29% (heavy duty wiring) |
| | Minimum installation temperature: -5°C |

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|--------------------|--------------------|--------------------|-----------|-----------|-----------|-----------|---------------|-------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Limited resistance | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant |

Dimension tables

| STANDARD CABLE TIES AND HEAVY DUTY OUTDOOR CABLE TIES | | | | | | | | | | | | |
|---|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|
|  | Code | S (mm) | L (mm) | Code | S (mm) | L (mm) | Code | S (mm) | L (mm) | Code | S (mm) | L (mm) |
| | GW 52 231 | 2.4 | 75 | GW 52 235 | 3.6 | 150 | GW 52 239 | 4.8 | 280 | GW 52 243 | 9 | 914 |
| | GW 52 251 | | | GW 52 255 | | | GW 52 259 | | | GW 52 263 | | |
| | GW 52 232 | 2.5 | 96 | GW 52 236 | 3.6 | 203 | GW 52 240 | 4.8 | 368 | | | |
| | GW 52 252 | | | GW 52 256 | | | GW 52 260 | | | | | |
| | GW 52 233 | 2.5 | 140 | GW 52 237 | 3.6 | 292 | GW 52 241 | 7.6 | 380 | | | |
| | GW 52 253 | | | GW 52 257 | | | GW 52 261 | | | | | |
| | GW 52 234 | 2.5 | 203 | GW 52 238 | 4.8 | 190 | GW 52 242 | 9 | 610 | | | |
| | GW 52 254 | | | GW 52 258 | | | GW 52 262 | | | | | |

| RE-OPENABLE CABLE TIES | | |
|---|-----------|--------|
|  | Code | L (mm) |
| | GW 52 271 | 150 |
| | GW 52 272 | 200 |
| | GW 52 273 | 300 |

| CABLE TIES WITH EYELET | | | |
|---|-----------|--------|-------------|
|  | Code | L (mm) | hole Ø (mm) |
| | GW 52 281 | 100 | ø 4.8 |
| | GW 52 282 | 110 | ø 4.8 |

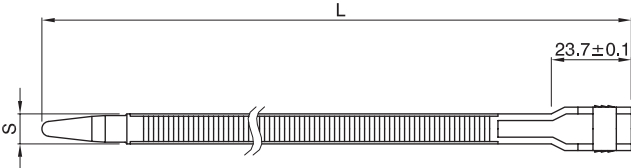
52 FS - OUTDOOR TIES - LOW TEMPERATURE RESISTANCE (L.T.R.)

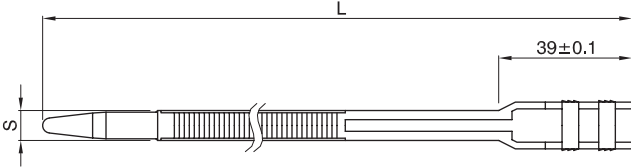
| TECHNICAL CHARACTERISTICS | |
|---|---|
| Standard: IEC 62275; EN 62275 | Service temperature range: -45°C to +85°C (max. peaks* 120°C) |
| Humidity absorbed: ≤1% | Range of installation temperature: -30°C to +60°C |
| Flame resistance in compliance with UL 94: HB | Material: polyamide 12, halogen-free in accordance with CEI EN 60754-2 (CEI EN 50267-2-2) |
| Dielectric rigidity 28 kV/mm | Oxygen limit index: 22.5% |

*For short periods.

| BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | | | |
|--|--------------------|--------------------|--------------------|-----------|-----------|-----------|-----------|---------------|-------------|-----------|
| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Limited resistance | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant |

Dimension tables

| SINGLE-HEAD L.T.R. TIES | | | | | | | | | | | | | | | | | |
|--|---|--------|--------|--------|-----------|---|-----|-----------|---|-----|-----------|---|-----|-----------|---|-----|--|
|  | <table><tr><th>Code</th><th>S (mm)</th><th>L (mm)</th></tr><tr><td>GW 52 201</td><td>6</td><td>115</td></tr><tr><td>GW 52 202</td><td>6</td><td>180</td></tr><tr><td>GW 52 203</td><td>6</td><td>290</td></tr><tr><td>GW 52 204</td><td>9</td><td>180</td></tr></table> | Code | S (mm) | L (mm) | GW 52 201 | 6 | 115 | GW 52 202 | 6 | 180 | GW 52 203 | 6 | 290 | GW 52 204 | 9 | 180 | |
| Code | S (mm) | L (mm) | | | | | | | | | | | | | | | |
| GW 52 201 | 6 | 115 | | | | | | | | | | | | | | | |
| GW 52 202 | 6 | 180 | | | | | | | | | | | | | | | |
| GW 52 203 | 6 | 290 | | | | | | | | | | | | | | | |
| GW 52 204 | 9 | 180 | | | | | | | | | | | | | | | |

| DOUBLE-HEAD L.T.R. TIES | | | | | | | | | | | | | | | | | |
|---|---|--------|--------|--------|-----------|---|-----|-----------|---|-----|-----------|---|-----|-----------|---|-----|--|
|  | <table><tr><th>Code</th><th>S (mm)</th><th>L (mm)</th></tr><tr><td>GW 52 205</td><td>9</td><td>265</td></tr><tr><td>GW 52 206</td><td>9</td><td>360</td></tr><tr><td>GW 52 207</td><td>9</td><td>510</td></tr><tr><td>GW 52 208</td><td>9</td><td>760</td></tr></table> | Code | S (mm) | L (mm) | GW 52 205 | 9 | 265 | GW 52 206 | 9 | 360 | GW 52 207 | 9 | 510 | GW 52 208 | 9 | 760 | |
| Code | S (mm) | L (mm) | | | | | | | | | | | | | | | |
| GW 52 205 | 9 | 265 | | | | | | | | | | | | | | | |
| GW 52 206 | 9 | 360 | | | | | | | | | | | | | | | |
| GW 52 207 | 9 | 510 | | | | | | | | | | | | | | | |
| GW 52 208 | 9 | 760 | | | | | | | | | | | | | | | |

44 MS - MOVABLE TERMINALS AND MODULAR TERMINAL BLOCKS

| TECHNICAL CHARACTERISTICS | |
|--|--|
| Standard: IEC 60998-1; IEC 60998-2-1; EN 60998-1; EN 60998-2-1 | Heat resistance: thermo-pressure with ball 125°C |
| Insulation voltage: 450V | Resistance to abnormal heat and fire: Glow wire test 850°C |
| Protection against direct contact: IP XXB | Maximum operating temperature: 85°C |

44 MM - MULTI-POLE TERMINAL BLOCKS

| TECHNICAL CHARACTERISTICS | |
|---|--|
| Standard: IEC 60998-1; IEC 60998-2-1; EN 60998-1; EN 60998-2-1 | Heat resistance: thermo-pressure with ball 125°C |
| Insulation voltage: 450V (terminal blocks with press-on fixing); 750V (terminal blocks with screw-on fixing) | Resistance to abnormal heat and fire: Glow wire test 850°C |
| Protection against direct contact: IP XXA | Maximum operating temperature: 85°C |

Dimension tables

MULTI-POLE TERMINAL BLOCKS

Technical drawings of multi-pole terminal blocks. The top left drawing is a side view showing five terminals with a pitch of 10 mm between centers. Dimensions include a total width of 56 mm, a mounting hole diameter of $\phi 3.5$, a terminal height of 29 mm, a terminal width of 3.8 mm, and a terminal thickness of 9.2 mm. A 64.5 mm dimension is shown for the terminal spacing. The bottom left drawing is a front view showing a total width of 63 mm and a terminal width of 56 mm. The right side shows two perspective views: the top one shows the terminal height (C) as 3.5 mm and the terminal thickness (E); the bottom one shows the terminal width (B) and the terminal height (D).

| Code | Section | A | B | C | D | E |
|-----------|---------------------------|-----|----|----|------|-----|
| GW 44 609 | 3 x 4/6 mm ² | 48 | 30 | 28 | 22.5 | 3.3 |
| GW 44 610 | 5 x 4/6 mm ² | | | | | |
| GW 44 611 | 3 x 10/16 mm ² | 88 | 33 | 33 | 22.5 | 4.8 |
| GW 44 612 | 5 x 10/16 mm ² | | | | | |
| GW 44 613 | 3 x 25/35 mm ² | 115 | 40 | 49 | 32.5 | 6.8 |
| GW 44 614 | 5 x 25/35 mm ² | | | | | |

| CONNECTION CAPACITY | | | | | | |
|--------------------------|-----------|-----------------------------|------------------------------|---------------|-----------------------------|----------|
| Code | No. poles | Connection capacity | Screw locking torque (Nm) | Section (mm²) | Max no. conductors per pole | |
| | | no. holes per section (mm²) | | | rigid | flexible |
| GW 44 606 | 3 | 4 | 1.8 | 4 | 2 | 2 |
| | | | | 2.5 | 3 | 3 |
| | | | | 1.5 | 4 | 4 |
| GW 44 607 | 4 | 4 | 1.8 | 4 | 2 | 2 |
| | | | | 2.5 | 3 | 3 |
| | | | | 1.5 | 4 | 4 |
| GW 44 608 | 5 | 4 | 1.8 | 4 | 2 | 2 |
| | | | | 2.5 | 3 | 3 |
| | | | | 1.5 | 4 | 4 |
| GW 44 609 | 3 | 6 | 1.8 | 2.5 | 2 ÷ 4 | 2 ÷ 4 |
| GW 44 610 GW 44 610 C | 5 | | | 4 | 2 and 3 | 2 and 3 |
| GW 44 611 | 3 | 16 | 2.5 | 4 | / | 2 ÷ 4 |
| GW 44 612 | 5 | | | 6 | 2 ÷ 4 | 2 ÷ 4 |
| | | | | 10 | 2 and 3 | 2 and 3 |
| | | | | 16 | 2 | / |
| GW 44 613 | 3 | 35 | 4.5 | 10 | / | 2 |
| GW 44 614 | 5 | | | 16 | 2 | 2 |
| | | | | 25 | 2 | 2 |
| | | | | 35 | 2 | / |

44 ME - SINGLE-POLE EQUIPOTENTIAL TERMINAL BLOCKS

TECHNICAL CHARACTERISTICS

Standard: IEC 60998-1; IEC 60998-2-1; EN 60998-1; EN 60998-2-1

Insulation voltage: 450V

Degree of protection: IP20

Protection against direct contact: IP XXB

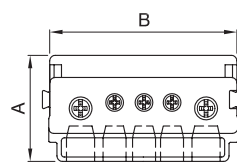
Heat resistance: thermo-pressure with ball 125°C

Resistance to abnormal heat and fire: Glow wire test 850°C

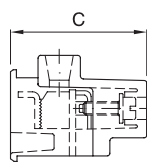
Maximum operating temperature: 85°C

Dimension tables

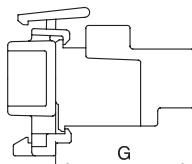
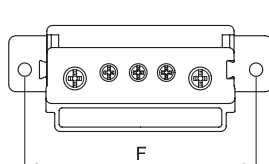
MODULAR TERMINAL BLOCKS



Fixing on the back of the box



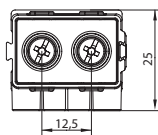
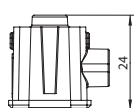
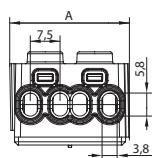
Fixing on DIN rail with
GW 44 682



| | Code | Dimensions | | | Conductor housings | | | | Fixing | |
|-----------|-----------|------------|------|------|--------------------|---------|-----|-------|--------|------|
| | | A | B | C | NO. | AND SEC | NO. | D SEC | F | G |
| 3x6 | GW 44 671 | 26 | 24 | 28 | 3 | 6 | - | - | 38 | 34.5 |
| 5x6 | GW 44 672 | 26 | 35 | 28 | 5 | 6 | - | - | 49 | 34.5 |
| 4x16 | GW 44 673 | 29 | 51.5 | 35.5 | 4 | 16 | - | - | 65.5 | 42 |
| 2x16 3x6 | GW 44 674 | 29 | 51.5 | 35.5 | 3 | 6 | 2 | 16 | 65.5 | 42 |
| 2x16 9x6 | GW 44 675 | 29 | 98 | 36.5 | 9 | 6 | 2 | 16 | 112 | 43 |
| 2x35 4x16 | GW 44 676 | 39 | 94.5 | 54 | 4 | 16 | 2 | 35 | 108.5 | - |

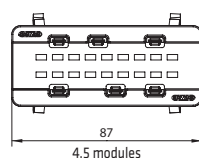
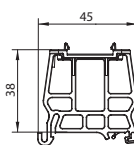
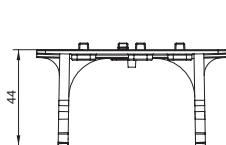
| Code | Connection capacity no. holes per section (mm²) | Max no. conductors per pole | | |
|-----------|--|-----------------------------|-------|----------|
| | | Section (mm²) | Rigid | Flexible |
| GW 44 671 | 3x6 | 6 | 1 | 1 |
| | | 4 | 1 | 1 |
| | | 2.5 | 1 ÷ 2 | 1 ÷ 2 |
| GW 44 672 | 5x6 | 6 | 1 | 1 |
| | | 4 | 1 | 1 |
| | | 2.5 | 1 ÷ 2 | 1 ÷ 2 |
| GW 44 673 | 4x16 | 16 | 1 | 1 |
| | | 10 | 1 | 1 |
| | | 6 | 1 ÷ 2 | 1 ÷ 2 |
| | | 4 | 1 ÷ 2 | 1 ÷ 3 |
| GW 44 674 | 2x16 | 16 | 1 | 1 |
| | | 10 | 1 | 1 |
| | | 6 | 1 ÷ 2 | 1 ÷ 2 |
| | 3x6 | 4 | 1 ÷ 2 | 1 ÷ 3 |
| | | 6 | 1 | 1 |
| | | 2.5 | 1 ÷ 2 | 1 ÷ 2 |
| GW 44 675 | 2x16 | 16 | 1 | 1 |
| | | 10 | 1 | 1 |
| | | 6 | 1 ÷ 2 | 1 ÷ 2 |
| | 9x6 | 4 | 1 ÷ 2 | 1 ÷ 3 |
| | | 6 | 1 | 1 |
| | | 2.5 | 1 ÷ 2 | 1 ÷ 2 |
| GW 44 676 | 2x35 | 35 | 1 | 1 |
| | | 25 | 1 | 1 |
| | | 16 | 1 ÷ 2 | 1 ÷ 2 |
| | 4x16 | 10 | 1 ÷ 2 | 2 ÷ 3 |
| | | 16 | 1 | 1 |
| | | 10 | 1 | 1 |
| | | 6 | 1 ÷ 2 | 1 ÷ 2 |
| | | 4 | 1 ÷ 2 | 1 ÷ 3 |

COMBINED TERMINAL BLOCKS



| | No. ways | mm² | A |
|-----------|----------|-----|----|
| GW 44 704 | 4 | 6 | 30 |
| GW 44 706 | 6 | 6 | 43 |
| GW 44 708 | 8 | 6 | 56 |

SUPPORT FOR COMBINED TERMINAL BLOCKS



| Wiring | Cable type | Cable section | | |
|--------------------------------|----------------------|---------------|-------|---------|
| | | 6 mm² | 4 mm² | 2.5 mm² |
| Using only one connection unit | Flexible | 1 | 1 e 2 | 1 e 2 |
| | Rigid - single wire | 1 | 1 | 1 e 2 |
| | Rigid - twisted wire | 1 | 1 e 2 | 1 e 2 |

| Wiring | Cable type | Cable section | | | |
|--------------------------------|----------------------|-----------------|-----------------|-------|-------|
| | | Unit 1 6 mm² | Unit 2 4 mm² | 6 mm² | 4 mm² |
| Using the two connection units | Flexible | 6 mm² | 1 + 1 | - | - |
| | | 4 mm² | - | 1 + 1 | 1 + 1 |
| | | 2.5 mm² | - | - | 1 + 1 |
| Rigid - single wire | Rigid - single wire | 6 mm² | 1 + 1 | 1 + 1 | - |
| | | 4 mm² | - | 1 + 1 | 1 + 1 |
| | | 2.5 mm² | - | - | 1 + 1 |
| Rigid - twisted wire | Rigid - twisted wire | 6 mm² | 1 + 1 | 1 + 1 | 1 + 2 |
| | | 4 mm² | - | 1 + 1 | - |
| | | 2.5 mm² | - | - | 1 + 1 |

44 MP - MODULAR DISTRIBUTION TERMINAL BLOCKS

| TECHNICAL CHARACTERISTICS | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|--------------------------|--|-----|--|-------------------------|-------------|--------------------------|--------------|-----------|-----|---|----|---|-----|-----|---|----|---|-----|-----|----|----|---|-----|
| Standard: IEC 60998-1; IEC 60998-2-1; EN 60998-1; EN 60998-2-1 | | | Maximum operating temperature: 85°C | | | | | | | | | | | | | | | | | | | | | | |
| Impulse voltage: 4 kV | | | <table><tr><th>Rated current In (A)</th><th>IcW (kA)</th><th>Peak current Ipk (kA)</th><th>Uimp (kV)</th><th>Ui (V)</th></tr><tr><td>100</td><td>6</td><td>20</td><td>8</td><td>750</td></tr><tr><td>125</td><td>6</td><td>22</td><td>8</td><td>750</td></tr><tr><td>160</td><td>10</td><td>24</td><td>8</td><td>750</td></tr></table> | | | Rated current In (A) | IcW (kA) | Peak current Ipk (kA) | Uimp (kV) | Ui (V) | 100 | 6 | 20 | 8 | 750 | 125 | 6 | 22 | 8 | 750 | 160 | 10 | 24 | 8 | 750 |
| Rated current In (A) | IcW (kA) | Peak current Ipk (kA) | | | | Uimp (kV) | Ui (V) | | | | | | | | | | | | | | | | | | |
| 100 | 6 | 20 | | | | 8 | 750 | | | | | | | | | | | | | | | | | | |
| 125 | 6 | 22 | | | | 8 | 750 | | | | | | | | | | | | | | | | | | |
| 160 | 10 | 24 | 8 | 750 | | | | | | | | | | | | | | | | | | | | | |
| Insulation voltage: 500V | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection against direct contact: IP XXA | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heat resistance: thermo-pressure with ball 125°C | | | | | | | | | | | | | | | | | | | | | | | | | |
| Resistance to abnormal heat and fire: Glow wire test 850°C | | | | | | | | | | | | | | | | | | | | | | | | | |

Dimension tables

MODULAR DISTRIBUTION TERMINAL BLOCKS

GW 44 651

| No. Poles | Code | A | B | C | D | E |
|-----------|-----------|----|-----|----|----|-----|
| 2P | GW 44 691 | 50 | 72 | 44 | 49 | 64 |
| | GW 44 693 | 50 | 144 | 44 | 49 | 136 |
| 4P | GW 44 696 | 81 | 72 | 44 | 49 | 64 |
| | GW 44 698 | 81 | 144 | 44 | 49 | 136 |
| | GW 44 699 | 90 | 160 | 44 | 49 | 145 |

Quick Reference

Quick Reference

| Code | Quantity | | Page |
|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| DX15 | | | |
| DX 15 016 | 100/5600 | 5600 | 1447 |
| DX 15 020 | 100/4800 | 4800 | 1447 |
| DX 15 020 C | 100/4800 | 4800 | 1449 |
| DX 15 025 | 50/2400 | 2400 | 1447 |
| DX 15 025 C | 50/2400 | 2400 | 1449 |
| DX 15 032 | 25/1300 | 1300 | 1447 |
| DX 15 032 C | 25/1300 | 1300 | 1449 |
| DX 15 040 | 25/500 | 500 | 1447 |
| DX 15 040 C | 25/500 | 500 | 1449 |
| DX 15 050 | 25/400 | 400 | 1447 |
| DX 15 063 | 20/400 | 400 | 1447 |
| DX 15 116 | 100/5600 | 5600 | 1447 |
| DX 15 120 | 100/4800 | 4800 | 1447 |
| DX 15 125 | 50/2400 | 2400 | 1447 |
| DX 15 132 | 25/1300 | 1300 | 1447 |
| DX 15 140 | 25/500 | 500 | 1447 |
| DX 15 150 | 25/400 | 400 | 1447 |
| DX 15 163 | 20/400 | 400 | 1447 |
| DX 15 216 | 100/2400 | 2400 | 1447 |
| DX 15 220 | 100/2000 | 2000 | 1447 |
| DX 15 220 C | 100/2000 | 2000 | 1449 |
| DX 15 225 | 50/1000 | 1000 | 1447 |
| DX 15 225 C | 50/1000 | 1000 | 1449 |
| DX 15 232 | 25/600 | 600 | 1447 |
| DX 15 232 C | 25/600 | 600 | 1449 |
| DX 15 240 | 25/500 | 500 | 1447 |
| DX 15 240 C | 25/500 | 500 | 1449 |
| DX 15 250 | 25/400 | 400 | 1447 |
| DX 15 316 | 100/2400 | 2400 | 1447 |
| DX 15 320 | 100/2000 | 2000 | 1447 |
| DX 15 325 | 50/1000 | 1000 | 1447 |
| DX 15 332 | 25/600 | 600 | 1447 |
| DX 15 416 | 100/2400 | 2400 | 1447 |
| DX 15 420 | 100/2000 | 2000 | 1447 |
| DX 15 420 C | 100/2000 | 2000 | 1449 |
| DX 15 425 | 50/1000 | 1000 | 1447 |
| DX 15 425 C | 50/1000 | 1000 | 1449 |
| DX 15 432 | 25/600 | 600 | 1447 |
| DX 15 432 C | 25/600 | 600 | 1449 |
| DX 15 440 | 25/500 | 500 | 1447 |
| DX 15 440 C | 25/500 | 500 | 1449 |
| DX 15 450 | 25/400 | 400 | 1447 |
| DX 15 516 | 100/2400 | 2400 | 1447 |
| DX 15 520 | 100/2000 | 2000 | 1447 |
| DX 15 525 | 50/1000 | 1000 | 1447 |
| DX 15 532 | 25/600 | 600 | 1447 |
| DX 15 616 | 100/2400 | 2400 | 1448 |
| DX 15 620 | 100/2000 | 2000 | 1448 |
| DX 15 620 C | 100/2000 | 2000 | 1450 |
| DX 15 625 | 50/1000 | 1000 | 1448 |
| DX 15 625 C | 50/1000 | 1000 | 1450 |
| DX 15 632 | 25/600 | 600 | 1448 |
| DX 15 632 C | 25/600 | 600 | 1450 |
| DX 15 640 | 25/500 | 500 | 1448 |
| DX 15 640 C | 25/500 | 500 | 1450 |
| DX 15 650 | 25/400 | 400 | 1448 |
| DX 15 716 | 100/2400 | 2400 | 1448 |
| DX 15 720 | 100/2000 | 2000 | 1448 |
| DX 15 725 | 50/1000 | 1000 | 1448 |
| DX 15 732 | 25/600 | 600 | 1448 |
| DX 15 816 | 100/2400 | 2400 | 1448 |
| DX 15 820 | 100/2000 | 2000 | 1448 |
| DX 15 820 C | 100/2000 | 2000 | 1450 |

| Code | Quantity | | Page |
|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| DX 15 825 | 50/1000 | 1000 | 1448 |
| DX 15 825 C | 50/1000 | 1000 | 1450 |
| DX 15 832 | 25/600 | 600 | 1448 |
| DX 15 832 C | 25/600 | 600 | 1450 |
| DX 15 840 | 25/500 | 500 | 1448 |
| DX 15 840 C | 25/500 | 500 | 1450 |
| DX 15 850 | 25/400 | 400 | 1448 |
| DX 15 916 | 100/2400 | 2400 | 1448 |
| DX 15 920 | 100/2000 | 2000 | 1448 |
| DX 15 925 | 50/1000 | 1000 | 1448 |
| DX 15 932 | 25/600 | 600 | 1448 |
| DX16 | | | |
| DX 16 216 | 100/5600 | 5600 | 1446 |
| DX 16 220 | 100/4800 | 4800 | 1446 |
| DX 16 220 C | 100/4800 | 4800 | 1449 |
| DX 16 225 | 50/2400 | 2400 | 1446 |
| DX 16 225 C | 50/2400 | 2400 | 1449 |
| DX 16 232 | 25/1300 | 1300 | 1446 |
| DX 16 232 C | 25/1300 | 1300 | 1449 |
| DX 16 240 | 25/500 | 500 | 1446 |
| DX 16 240 C | 25/500 | 500 | 1449 |
| DX 16 250 | 25/400 | 400 | 1446 |
| DX 16 263 | 20/400 | 400 | 1446 |
| DX 16 316 | 100/5600 | 5600 | 1446 |
| DX 16 320 | 100/4800 | 4800 | 1446 |
| DX 16 325 | 50/2400 | 2400 | 1446 |
| DX 16 332 | 25/1300 | 1300 | 1446 |
| DX 16 340 | 25/500 | 500 | 1446 |
| DX 16 350 | 25/400 | 400 | 1446 |
| DX 16 363 | 20/400 | 400 | 1446 |
| DX20 | | | |
| DX 20 016 | 100/4800 | 4800 | 1451 |
| DX 20 020 | 100/4000 | 4000 | 1451 |
| DX 20 025 | 50/2000 | 2000 | 1451 |
| DX 20 032 | 25/1100 | 1100 | 1451 |
| DX 20 040 | 25/500 | 500 | 1451 |
| DX 20 050 | 25/400 | 400 | 1451 |
| DX 20 063 | 20/400 | 400 | 1451 |
| DX 20 116 | 100/4800 | 4800 | 1451 |
| DX 20 120 | 100/4000 | 4000 | 1451 |
| DX 20 125 | 50/2000 | 2000 | 1451 |
| DX 20 132 | 25/1100 | 1100 | 1451 |
| DX 20 140 | 25/500 | 500 | 1451 |
| DX 20 150 | 25/400 | 400 | 1451 |
| DX 20 163 | 20/400 | 400 | 1451 |
| DX 20 416 | 100/4800 | 4800 | 1451 |
| DX 20 420 | 100/4000 | 4000 | 1451 |
| DX 20 425 | 50/2000 | 2000 | 1451 |
| DX 20 432 | 25/1100 | 1100 | 1451 |
| DX 20 440 | 25/500 | 500 | 1451 |
| DX 20 450 | 25/400 | 400 | 1451 |
| DX 20 463 | 20/400 | 400 | 1451 |
| DX 20 516 | 100/4800 | 4800 | 1451 |
| DX 20 520 | 100/4000 | 4000 | 1451 |
| DX 20 525 | 50/2000 | 2000 | 1451 |
| DX 20 532 | 25/1100 | 1100 | 1451 |
| DX 20 540 | 25/500 | 500 | 1451 |
| DX 20 550 | 25/400 | 400 | 1451 |
| DX 20 563 | 20/400 | 400 | 1451 |
| DX22 | | | |
| DX 22 016 | 100/4800 | 4800 | 1348 |
| DX 22 016 C | 100/4800 | 4800 | 1452 |

| Code | Quantity | | Page |
|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| DX 22 020 | 100/4000 | 4000 | 1348 |
| DX 22 020 C | 100/4000 | 4000 | 1452 |
| DX 22 025 | 50/2000 | 2000 | 1348 |
| DX 22 025 C | 50/2000 | 2000 | 1452 |
| DX 22 032 | 25/1100 | 1100 | 1348 |
| DX 22 032 C | 25/1100 | 1100 | 1452 |
| DX 22 040 | 25/500 | 500 | 1348 |
| DX 22 040 C | 25/500 | 500 | 1452 |
| DX 22 050 | 25/400 | 400 | 1348 |
| DX 22 050 C | 25/400 | 400 | 1452 |
| DX 22 063 | 20/400 | 400 | 1348 |
| DX 22 063 C | 20/400 | 400 | 1452 |
| DX 22 116 | 100/4800 | 4800 | 1348 |
| DX 22 116 C | 100/4800 | 4800 | 1452 |
| DX 22 120 | 100/4000 | 4000 | 1348 |
| DX 22 120 C | 100/4000 | 4000 | 1452 |
| DX 22 125 | 50/2000 | 2000 | 1348 |
| DX 22 125 C | 50/2000 | 2000 | 1452 |
| DX 22 132 | 25/1100 | 1100 | 1348 |
| DX 22 132 C | 25/1100 | 1100 | 1452 |
| DX 22 140 | 25/500 | 500 | 1348 |
| DX 22 140 C | 25/500 | 500 | 1452 |
| DX 22 150 | 25/400 | 400 | 1348 |
| DX 22 150 C | 25/400 | 400 | 1452 |
| DX 22 163 | 20/400 | 400 | 1348 |
| DX 22 163 C | 20/400 | 400 | 1452 |
| DX23 | | | |
| DX 23 016 | 100/4800 | 4800 | 1452 |
| DX 23 020 | 100/4000 | 4000 | 1452 |
| DX 23 025 | 50/2000 | 2000 | 1452 |
| DX 23 032 | 25/1100 | 1100 | 1452 |
| DX 23 040 | 25/500 | 500 | 1452 |
| DX 23 050 | 25/400 | 400 | 1452 |
| DX 23 063 | 20/400 | 400 | 1452 |
| DX 23 116 | 100/4800 | 4800 | 1452 |
| DX 23 120 | 100/4000 | 4000 | 1452 |
| DX 23 125 | 50/2000 | 2000 | 1452 |
| DX 23 132 | 25/1100 | 1100 | 1452 |
| DX 23 140 | 25/500 | 500 | 1452 |
| DX 23 150 | 25/400 | 400 | 1452 |
| DX 23 163 | 20/400 | 400 | 1452 |
| DX 23 216 | 100/4800 | 4800 | 1453 |
| DX 23 220 | 100/4000 | 4000 | 1453 |
| DX 23 225 | 50/2000 | 2000 | 1453 |
| DX 23 232 | 25/1100 | 1100 | 1453 |
| DX 23 240 | 25/500 | 500 | 1453 |
| DX 23 250 | 25/400 | 400 | 1453 |
| DX 23 263 | 20/400 | 400 | 1453 |
| DX 23 316 | 100/4800 | 4800 | 1453 |
| DX 23 320 | 100/4000 | 4000 | 1453 |
| DX 23 325 | 50/2000 | 2000 | 1453 |
| DX 23 332 | 25/1100 | 1100 | 1453 |
| DX 23 340 | 25/500 | 500 | 1453 |
| DX 23 350 | 25/400 | 400 | 1453 |
| DX 23 363 | 20/400 | 400 | 1453 |
| DX24 | | | |
| DX 24 216 N | 100/4800 | 4800 | 1450 |
| DX 24 220 N | 100/4000 | 4000 | 1450 |
| DX 24 225 N | 50/2000 | 2000 | 1450 |
| DX 24 232 N | 25/1100 | 1100 | 1450 |
| DX 24 240 N | 25/500 | 500 | 1450 |
| DX 24 250 N | 25/400 | 400 | 1450 |
| DX 24 263 N | 20/400 | 400 | 1450 |

| Code | Quantity | | Page |
|------|-------------|--------|------|
| | Pack/carton | Pallet | |

| DX25 | | | |
|-----------|----------|------|------|
| DX 25 216 | 74/2220 | 2220 | 1426 |
| DX 25 220 | 48/1344 | 1344 | 1426 |
| DX 25 225 | 48/864 | 864 | 1426 |
| DX 25 232 | 38/532 | 532 | 1426 |
| DX 25 316 | 111/3330 | 3330 | 1426 |
| DX 25 320 | 57/2223 | 2223 | 1426 |
| DX 25 325 | 57/1311 | 1311 | 1426 |
| DX 25 332 | 30/780 | 780 | 1426 |
| DX 25 340 | 30/540 | 540 | 1426 |
| DX 25 350 | 15/360 | 360 | 1426 |
| DX 25 363 | 9/180 | 180 | 1426 |
| DX 25 716 | 57/3192 | 3192 | 1426 |
| DX 25 720 | 57/2223 | 2223 | 1426 |
| DX 25 725 | 57/1311 | 1311 | 1426 |
| DX 25 732 | 30/780 | 780 | 1426 |
| DX 25 740 | 30/540 | 540 | 1426 |
| DX 25 750 | 15/360 | 360 | 1426 |
| DX 25 763 | 9/180 | 180 | 1426 |

| DX26 | | | |
|-----------|---------|------|------|
| DX 26 216 | 60/4620 | 4620 | 1427 |
| DX 26 220 | 46/3542 | 3542 | 1427 |
| DX 26 225 | 48/2640 | 2640 | 1427 |
| DX 26 232 | 36/1980 | 1980 | 1427 |
| DX 26 240 | 30/1080 | 1080 | 1427 |
| DX 26 250 | 18/648 | 648 | 1427 |
| DX 26 263 | 12/420 | 420 | 1427 |
| DX 26 316 | 87/1827 | 1827 | 1427 |
| DX 26 320 | 69/1449 | 1449 | 1427 |
| DX 26 325 | 60/840 | 840 | 1427 |
| DX 26 332 | 36/504 | 504 | 1427 |

| DX27 | | | |
|-----------|---------|------|------|
| DX 27 216 | 74/2220 | 2220 | 1424 |
| DX 27 220 | 48/1344 | 1344 | 1424 |
| DX 27 225 | 48/864 | 864 | 1424 |
| DX 27 232 | 38/532 | 532 | 1424 |
| DX 27 316 | 75/3150 | 3150 | 1424 |
| DX 27 320 | 51/2142 | 2142 | 1424 |
| DX 27 325 | 51/1224 | 1224 | 1424 |
| DX 27 332 | 30/780 | 780 | 1424 |
| DX 27 340 | 21/525 | 525 | 1424 |
| DX 27 350 | 15/360 | 360 | 1424 |
| DX 27 363 | 9/180 | 180 | 1424 |
| DX 27 616 | 74/2220 | 2220 | 1425 |
| DX 27 620 | 48/1344 | 1344 | 1425 |
| DX 27 625 | 48/864 | 864 | 1425 |
| DX 27 632 | 38/532 | 532 | 1425 |
| DX 27 640 | 14/350 | 350 | 1425 |
| DX 27 716 | 75/3150 | 3150 | 1425 |
| DX 27 720 | 51/2142 | 2142 | 1425 |
| DX 27 725 | 51/1224 | 1224 | 1425 |
| DX 27 732 | 30/780 | 780 | 1425 |
| DX 27 740 | 21/525 | 525 | 1425 |
| DX 27 750 | 15/360 | 360 | 1425 |
| DX 27 763 | 9/180 | 180 | 1425 |

| DX30 | | | |
|-----------|---------|------|------|
| DX 30 008 | 30/2070 | 2070 | 1464 |
| DX 30 010 | 30/1800 | 1800 | 1464 |
| DX 30 012 | 30/1800 | 1800 | 1464 |
| DX 30 014 | 30/1440 | 1440 | 1464 |
| DX 30 016 | 30/1080 | 1080 | 1464 |
| DX 30 020 | 30/1080 | 1080 | 1464 |

| Code | Quantity | | Page |
|------|-------------|--------|------|
| | Pack/carton | Pallet | |

| | | | |
|-----------|---------|------|------|
| DX 30 022 | 30/720 | 720 | 1464 |
| DX 30 025 | 30/600 | 600 | 1464 |
| DX 30 028 | 30/480 | 480 | 1464 |
| DX 30 032 | 30/480 | 480 | 1464 |
| DX 30 035 | 30/480 | 480 | 1464 |
| DX 30 040 | 30/360 | 360 | 1464 |
| DX 30 050 | 30/180 | 180 | 1464 |
| DX 30 060 | 30/120 | 120 | 1464 |
| DX 30 108 | 30/2070 | 2070 | 1464 |
| DX 30 110 | 30/1800 | 1800 | 1464 |
| DX 30 112 | 30/1800 | 1800 | 1464 |
| DX 30 114 | 30/1440 | 1440 | 1464 |
| DX 30 116 | 30/1080 | 1080 | 1464 |
| DX 30 120 | 30/1080 | 1080 | 1464 |
| DX 30 122 | 30/720 | 720 | 1464 |
| DX 30 125 | 30/600 | 600 | 1464 |
| DX 30 128 | 30/480 | 480 | 1464 |
| DX 30 132 | 30/480 | 480 | 1464 |
| DX 30 135 | 30/480 | 480 | 1464 |
| DX 30 140 | 30/360 | 360 | 1464 |
| DX 30 150 | 30/180 | 180 | 1464 |
| DX 30 160 | 30/120 | 120 | 1464 |
| DX 30 212 | 30/1800 | 1800 | 1465 |
| DX 30 216 | 30/1080 | 1080 | 1465 |
| DX 30 220 | 30/1080 | 1080 | 1465 |
| DX 30 222 | 30/720 | 720 | 1465 |
| DX 30 225 | 30/600 | 600 | 1465 |
| DX 30 232 | 30/480 | 480 | 1465 |
| DX 30 240 | 30/360 | 360 | 1465 |
| DX 30 812 | 30/1800 | 1800 | 1469 |
| DX 30 816 | 30/1080 | 1080 | 1469 |
| DX 30 820 | 30/1080 | 1080 | 1469 |
| DX 30 825 | 30/600 | 600 | 1469 |

| DX35 | | | |
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| DX 35 000 | 50/500 | 500 | 1477 |
| DX 35 001 | 50/350 | 350 | 1477 |
| DX 35 002 | 50/300 | 300 | 1477 |
| DX 35 003 | 50/250 | 250 | 1477 |
| DX 35 004 | 50/250 | 250 | 1477 |
| DX 35 005 | 50/250 | 250 | 1477 |
| DX 35 006 | 25/100 | 100 | 1477 |
| DX 35 008 | 25/100 | 100 | 1477 |
| DX 35 009 | 25 | 25 | 1477 |

| DX40 | | | |
|-----------|--------|-------|------|
| DX 40 016 | 30/300 | 18000 | 1428 |
| DX 40 016 | 30/300 | 18000 | 1509 |
| DX 40 020 | 30/450 | 14400 | 1428 |
| DX 40 020 | 30/450 | 14400 | 1509 |
| DX 40 025 | 20/240 | 12000 | 1428 |
| DX 40 025 | 20/240 | 12000 | 1509 |
| DX 40 032 | 10/100 | 5000 | 1428 |
| DX 40 032 | 10/100 | 5000 | 1509 |
| DX 40 040 | 5/25 | 3000 | 1428 |
| DX 40 040 | 5/25 | 3000 | 1509 |
| DX 40 050 | 15 | 1800 | 1428 |
| DX 40 050 | 15 | 1800 | 1509 |
| DX 40 063 | 8 | 400 | 1428 |
| DX 40 063 | 8 | 400 | 1509 |
| DX 40 116 | 30/300 | 18000 | 1428 |
| DX 40 116 | 30/300 | 18000 | 1509 |
| DX 40 120 | 30/300 | 9600 | 1428 |
| DX 40 120 | 30/300 | 9600 | 1509 |
| DX 40 125 | 20/100 | 5400 | 1428 |

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| DX 40 125 | 20/100 | 5400 | 1509 |
| DX 40 132 | 10/50 | 3000 | 1428 |
| DX 40 132 | 10/50 | 3000 | 1509 |
| DX 40 140 | 5/25 | 1250 | 1428 |
| DX 40 140 | 5/25 | 1250 | 1509 |
| DX 40 150 | 10 | 640 | 1428 |
| DX 40 150 | 10 | 640 | 1509 |
| DX 40 163 | 1 | 224 | 1428 |
| DX 40 163 | 1 | 224 | 1509 |
| DX 40 216 | 30/120 | 6000 | 1428 |
| DX 40 216 | 30/120 | 6000 | 1509 |
| DX 40 220 | 30/120 | 2400 | 1428 |
| DX 40 220 | 30/120 | 2400 | 1509 |
| DX 40 225 | 20/60 | 3840 | 1428 |
| DX 40 225 | 20/60 | 3840 | 1509 |
| DX 40 232 | 10/30 | 1200 | 1428 |
| DX 40 232 | 10/30 | 1200 | 1509 |
| DX 40 316 | 30/180 | 18000 | 1428 |
| DX 40 316 | 30/180 | 18000 | 1509 |
| DX 40 320 | 30/120 | 12000 | 1428 |
| DX 40 320 | 30/120 | 12000 | 1509 |
| DX 40 325 | 20/60 | 3000 | 1428 |
| DX 40 325 | 20/60 | 3000 | 1509 |
| DX 40 332 | 10/40 | 2000 | 1428 |
| DX 40 332 | 10/40 | 2000 | 1509 |

| DX43 | | | |
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| DX 43 016 | 10/300 | 6000 | 1429 |
| DX 43 016 | 10/300 | 6000 | 1510 |
| DX 43 020 | 10/240 | 14400 | 1429 |
| DX 43 020 | 10/240 | 14400 | 1510 |
| DX 43 025 | 5/150 | 9600 | 1429 |
| DX 43 025 | 5/150 | 9600 | 1510 |
| DX 43 032 | 5/120 | 6000 | 1429 |
| DX 43 032 | 5/120 | 6000 | 1510 |
| DX 43 040 | 5/90 | 1800 | 1429 |
| DX 43 040 | 5/90 | 1800 | 1510 |
| DX 43 050 | 3/54 | 1080 | 1429 |
| DX 43 050 | 3/54 | 1080 | 1510 |
| DX 43 116 | 10/100 | 6400 | 1429 |
| DX 43 116 | 10/100 | 6400 | 1510 |
| DX 43 120 | 10/80 | 5120 | 1429 |
| DX 43 120 | 10/80 | 5120 | 1510 |
| DX 43 125 | 5/50 | 3200 | 1429 |
| DX 43 125 | 5/50 | 3200 | 1510 |
| DX 43 132 | 5/30 | 1920 | 1429 |
| DX 43 132 | 5/30 | 1920 | 1510 |
| DX 43 140 | 5/15 | 960 | 1429 |
| DX 43 140 | 5/15 | 960 | 1510 |
| DX 43 150 | 8 | 512 | 1429 |
| DX 43 150 | 8 | 512 | 1510 |
| DX 43 216 | 10/360 | 21600 | 1429 |
| DX 43 216 | 10/360 | 21600 | 1510 |
| DX 43 220 | 10/300 | 18000 | 1429 |
| DX 43 220 | 10/300 | 18000 | 1510 |
| DX 43 225 | 5/180 | 10800 | 1429 |
| DX 43 225 | 5/180 | 10800 | 1510 |
| DX 43 232 | 5/150 | 7500 | 1429 |
| DX 43 232 | 5/150 | 7500 | 1510 |
| DX 43 240 | 5/30 | 3600 | 1429 |
| DX 43 240 | 5/30 | 3600 | 1510 |
| DX 43 250 | 5/15 | 1800 | 1429 |
| DX 43 250 | 5/15 | 1800 | 1510 |
| DX 43 316 | 10/450 | 9000 | 1429 |

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| DX 43 316 | 10/450 | 9000 | 1469 |
| DX 43 316 | 10/450 | 9000 | 1510 |
| DX 43 316 | 10/450 | 9000 | 1516 |
| DX 43 320 | 10/300 | 18000 | 1429 |
| DX 43 320 | 10/300 | 18000 | 1469 |
| DX 43 320 | 10/300 | 18000 | 1510 |
| DX 43 320 | 10/300 | 18000 | 1516 |
| DX 43 325 | 5/210 | 12600 | 1429 |
| DX 43 325 | 5/210 | 12600 | 1469 |
| DX 43 325 | 5/210 | 12600 | 1510 |
| DX 43 325 | 5/210 | 12600 | 1516 |
| DX 43 332 | 5/120 | 7200 | 1429 |
| DX 43 332 | 5/120 | 7200 | 1469 |
| DX 43 332 | 5/120 | 7200 | 1510 |
| DX 43 332 | 5/120 | 7200 | 1516 |
| DX 43 340 | 5/25 | 1250 | 1429 |
| DX 43 340 | 5/25 | 1250 | 1469 |
| DX 43 340 | 5/25 | 1250 | 1510 |
| DX 43 340 | 5/25 | 1250 | 1516 |
| DX 43 350 | 5/20 | 800 | 1429 |
| DX 43 350 | 5/20 | 800 | 1469 |
| DX 43 350 | 5/20 | 800 | 1510 |
| DX 43 350 | 5/20 | 800 | 1516 |
| DX 43 416 | 10/360 | 7200 | 1430 |
| DX 43 416 | 10/360 | 7200 | 1469 |
| DX 43 416 | 10/360 | 7200 | 1511 |
| DX 43 416 | 10/360 | 7200 | 1516 |
| DX 43 420 | 10/240 | 14400 | 1430 |
| DX 43 420 | 10/240 | 14400 | 1469 |
| DX 43 420 | 10/240 | 14400 | 1511 |
| DX 43 420 | 10/240 | 14400 | 1516 |
| DX 43 425 | 5/150 | 9000 | 1430 |
| DX 43 425 | 5/150 | 9000 | 1469 |
| DX 43 425 | 5/150 | 9000 | 1511 |
| DX 43 425 | 5/150 | 9000 | 1516 |
| DX 43 432 | 5/40 | 4800 | 1430 |
| DX 43 432 | 5/40 | 4800 | 1469 |
| DX 43 432 | 5/40 | 4800 | 1511 |
| DX 43 432 | 5/40 | 4800 | 1516 |
| DX 43 440 | 5/20 | 2400 | 1430 |
| DX 43 440 | 5/20 | 2400 | 1469 |
| DX 43 440 | 5/20 | 2400 | 1511 |
| DX 43 440 | 5/20 | 2400 | 1516 |
| DX 43 516 | 60 | 2400 | 1430 |
| DX 43 516 | 60 | 2400 | 1511 |
| DX 43 520 | 40 | 1600 | 1430 |
| DX 43 520 | 40 | 1600 | 1511 |
| DX 43 525 | 20 | 800 | 1430 |
| DX 43 525 | 20 | 800 | 1511 |
| DX 43 532 | 20 | 400 | 1430 |
| DX 43 532 | 20 | 400 | 1511 |
| DX 43 540 | 12 | 216 | 1430 |
| DX 43 540 | 12 | 216 | 1511 |
| DX 43 550 | 9 | 162 | 1430 |
| DX 43 550 | 9 | 162 | 1511 |
| DX45 | | | |
| DX 45 003 | 3/15 | 1800 | 1432 |
| DX 45 004 | 5/60 | 480 | 1432 |
| DX 45 007 | 5/60 | 480 | 1432 |
| DX 45 010 | 1/16 | 288 | 1432 |
| DX47 | | | |
| DX 47 000 | 50/450 | 18000 | 1433 |
| DX 47 001 | 20/60 | 6600 | 1433 |

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| DX 47 212 | 10/450 | 4500 | 1432 |
| DX 47 216 | 10/450 | 4500 | 1432 |
| DX 47 220 | 10/390 | 3900 | 1432 |
| DX 47 503 | 10/300 | 6000 | 1433 |
| DX 47 506 | 10/300 | 6000 | 1433 |
| DX 47 509 | 10/300 | 6000 | 1433 |
| DX 47 616 | 10/390 | 7800 | 1432 |
| DX 47 620 | 10/360 | 7200 | 1432 |
| DX 47 625 | 10/300 | 6000 | 1432 |
| DX51 | | | |
| DX 51 120 | 100/1500 | 30000 | 1502 |
| DX 51 232 | 100/800 | 43200 | 1502 |
| DX 51 263 | 100/400 | 24000 | 1502 |
| DX 51 306 | 200/600 | 76800 | 1502 |
| DX 51 308 | 200/600 | 42000 | 1502 |
| DX 51 316 | 1/10 | 900 | 1431 |
| DX 51 316 | 1/10 | 900 | 1512 |
| DX 51 320 | 1/10 | 800 | 1431 |
| DX 51 320 | 1/10 | 800 | 1512 |
| DX 51 325 | 1/5 | 500 | 1431 |
| DX 51 325 | 1/5 | 500 | 1512 |
| DX 51 416 | 1/10 | 900 | 1431 |
| DX 51 416 | 1/10 | 900 | 1512 |
| DX 51 420 | 1/10 | 500 | 1431 |
| DX 51 420 | 1/10 | 500 | 1512 |
| DX 51 425 | 1/5 | 500 | 1431 |
| DX 51 425 | 1/5 | 500 | 1512 |
| DX 51 432 | 1/5 | 400 | 1431 |
| DX 51 432 | 1/5 | 400 | 1512 |
| DX 51 440 | 1 | 200 | 1431 |
| DX 51 440 | 1 | 200 | 1512 |
| DX 51 450 | 1 | 200 | 1431 |
| DX 51 450 | 1 | 200 | 1512 |
| DX 51 600 | 1/5 | 200 | 1431 |
| DX 51 600 | 1/5 | 200 | 1512 |
| DX52 | | | |
| DX 52 016 | 50/200 | 10000 | 1454 |
| DX 52 020 | 50/150 | 18000 | 1454 |
| DX 52 025 | 50/100 | 12000 | 1454 |
| DX 52 032 | 25/75 | 9000 | 1454 |
| DX 52 040 | 10/40 | 2000 | 1454 |
| DX 52 050 | 10/40 | 2000 | 1454 |
| DX 52 063 | 25 | 1250 | 1454 |
| DX 52 116 | 100/500 | 55000 | 1454 |
| DX 52 120 | 100/400 | 44000 | 1454 |
| DX 52 125 | 50/250 | 27500 | 1454 |
| DX 52 132 | 25/125 | 13750 | 1454 |
| DX 52 140 | 25/100 | 11000 | 1454 |
| DX 52 150 | 25/75 | 8250 | 1454 |
| DX 52 163 | 50 | 5500 | 1454 |
| DX 52 205 | 1/10 | 3600 | 1455 |
| DX 52 210 | 1/10 | 360 | 1455 |
| DX 52 215 | 1/10 | 360 | 1455 |
| DX 52 220 | 1/10 | 320 | 1455 |
| DX 52 225 | 1/10 | 360 | 1455 |
| DX 52 299 | 10/200 | 20000 | 1455 |
| DX 52 305 | 1/40 | 720 | 1455 |
| DX 52 310 | 1/25 | 400 | 1455 |
| DX 52 315 | 1/15 | 240 | 1455 |
| DX 52 320 | 1/15 | 240 | 1455 |
| DX 52 325 | 1/15 | 270 | 1455 |
| DX 52 399 | 10/200 | 20000 | 1455 |

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| DX54 | | | |
| DX 54 008 | 20/180 | 19800 | 1466 |
| DX 54 008 | 20/180 | 19800 | 1513 |
| DX 54 010 | 20/160 | 17600 | 1466 |
| DX 54 010 | 20/160 | 17600 | 1513 |
| DX 54 012 | 10/100 | 11000 | 1466 |
| DX 54 012 | 10/100 | 11000 | 1513 |
| DX 54 016 | 10/150 | 7500 | 1466 |
| DX 54 016 | 10/150 | 7500 | 1513 |
| DX 54 020 | 10/100 | 10000 | 1466 |
| DX 54 020 | 10/100 | 10000 | 1513 |
| DX 54 022 | 10/100 | 5000 | 1466 |
| DX 54 022 | 10/100 | 5000 | 1513 |
| DX 54 025 | 5/60 | 3000 | 1466 |
| DX 54 025 | 5/60 | 3000 | 1513 |
| DX 54 028 | 5/40 | 2000 | 1466 |
| DX 54 028 | 5/40 | 2000 | 1513 |
| DX 54 032 | 5/30 | 1500 | 1466 |
| DX 54 032 | 5/30 | 1500 | 1513 |
| DX 54 040 | 25 | 1250 | 1466 |
| DX 54 040 | 25 | 1250 | 1513 |
| DX 54 050 | 15 | 750 | 1466 |
| DX 54 050 | 15 | 750 | 1513 |
| DX 54 108 | 20/180 | 19800 | 1466 |
| DX 54 108 | 20/180 | 19800 | 1513 |
| DX 54 110 | 20/160 | 17600 | 1466 |
| DX 54 110 | 20/160 | 17600 | 1513 |
| DX 54 112 | 10/100 | 11000 | 1466 |
| DX 54 112 | 10/100 | 11000 | 1513 |
| DX 54 116 | 10/150 | 7500 | 1466 |
| DX 54 116 | 10/150 | 7500 | 1513 |
| DX 54 120 | 10/100 | 5000 | 1466 |
| DX 54 120 | 10/100 | 5000 | 1513 |
| DX 54 122 | 10/100 | 5000 | 1466 |
| DX 54 122 | 10/100 | 5000 | 1513 |
| DX 54 125 | 5/60 | 3000 | 1466 |
| DX 54 125 | 5/60 | 3000 | 1513 |
| DX 54 128 | 5/40 | 2000 | 1466 |
| DX 54 128 | 5/40 | 2000 | 1513 |
| DX 54 132 | 5/30 | 1500 | 1466 |
| DX 54 132 | 5/30 | 1500 | 1513 |
| DX 54 140 | 25 | 1250 | 1466 |
| DX 54 140 | 25 | 1250 | 1513 |
| DX 54 150 | 15 | 750 | 1466 |
| DX 54 150 | 15 | 750 | 1513 |
| DX 54 208 | 20/180 | 19800 | 1466 |
| DX 54 208 | 20/180 | 19800 | 1513 |
| DX 54 210 | 20/160 | 17600 | 1466 |
| DX 54 210 | 20/160 | 17600 | 1513 |
| DX 54 212 | 10/100 | 11000 | 1466 |
| DX 54 212 | 10/100 | 11000 | 1513 |
| DX 54 214 | 10/150 | 7500 | 1466 |
| DX 54 214 | 10/150 | 7500 | 1513 |
| DX 54 216 | 10/150 | 18000 | 1466 |
| DX 54 216 | 10/150 | 18000 | 1513 |
| DX 54 220 | 10/100 | 12000 | 1466 |
| DX 54 220 | 10/100 | 12000 | 1513 |
| DX 54 222 | 10/100 | 5000 | 1466 |
| DX 54 222 | 10/100 | 5000 | 1513 |
| DX 54 225 | 5/60 | 7200 | 1466 |
| DX 54 225 | 5/60 | 7200 | 1513 |
| DX 54 228 | 5/40 | 4800 | 1466 |
| DX 54 228 | 5/40 | 4800 | 1513 |
| DX 54 232 | 5/30 | 3600 | 1466 |

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| DX 54 232 | 5/30 | 3600 | 1513 |
| DX 54 235 | 5/30 | 1500 | 1466 |
| DX 54 235 | 5/30 | 1500 | 1513 |
| DX 54 240 | 25 | 3000 | 1466 |
| DX 54 240 | 25 | 3000 | 1513 |
| DX 54 250 | 15 | 1800 | 1466 |
| DX 54 250 | 15 | 1800 | 1513 |
| DX 54 308 | 20/180 | 19800 | 1466 |
| DX 54 308 | 20/180 | 19800 | 1513 |
| DX 54 310 | 20/160 | 17600 | 1466 |
| DX 54 310 | 20/160 | 17600 | 1513 |
| DX 54 312 | 10/100 | 11000 | 1466 |
| DX 54 312 | 10/100 | 11000 | 1513 |
| DX 54 314 | 10/150 | 7500 | 1466 |
| DX 54 314 | 10/150 | 7500 | 1513 |
| DX 54 316 | 10/150 | 7500 | 1466 |
| DX 54 316 | 10/150 | 7500 | 1513 |
| DX 54 320 | 10/100 | 5000 | 1466 |
| DX 54 320 | 10/100 | 5000 | 1513 |
| DX 54 322 | 10/100 | 5000 | 1466 |
| DX 54 322 | 10/100 | 5000 | 1513 |
| DX 54 325 | 5/60 | 3000 | 1466 |
| DX 54 325 | 5/60 | 3000 | 1513 |
| DX 54 328 | 5/40 | 2000 | 1466 |
| DX 54 328 | 5/40 | 2000 | 1513 |
| DX 54 332 | 5/30 | 1500 | 1466 |
| DX 54 332 | 5/30 | 1500 | 1513 |
| DX 54 335 | 5/30 | 1500 | 1466 |
| DX 54 335 | 5/30 | 1500 | 1513 |
| DX 54 340 | 25 | 1250 | 1466 |
| DX 54 340 | 25 | 1250 | 1513 |
| DX 54 350 | 15 | 750 | 1466 |
| DX 54 350 | 15 | 750 | 1513 |
| DX 54 408 | 20/180 | 19800 | 1467 |
| DX 54 408 | 20/180 | 19800 | 1514 |
| DX 54 410 | 20/160 | 17600 | 1467 |
| DX 54 410 | 20/160 | 17600 | 1514 |
| DX 54 411 | 20/160 | 17600 | 1467 |
| DX 54 411 | 20/160 | 17600 | 1514 |
| DX 54 412 | 10/100 | 11000 | 1467 |
| DX 54 412 | 10/100 | 11000 | 1514 |
| DX 54 413 | 10/100 | 11000 | 1467 |
| DX 54 413 | 10/100 | 11000 | 1514 |
| DX 54 414 | 10/150 | 7500 | 1467 |
| DX 54 414 | 10/150 | 7500 | 1514 |
| DX 54 416 | 10/150 | 18000 | 1467 |
| DX 54 416 | 10/150 | 18000 | 1514 |
| DX 54 417 | 10/150 | 6000 | 1467 |
| DX 54 417 | 10/150 | 6000 | 1514 |
| DX 54 420 | 10/100 | 5000 | 1467 |
| DX 54 420 | 10/100 | 5000 | 1514 |
| DX 54 422 | 10/100 | 4000 | 1467 |
| DX 54 422 | 10/100 | 4000 | 1514 |
| DX 54 425 | 5/60 | 3000 | 1467 |
| DX 54 425 | 5/60 | 3000 | 1514 |
| DX 54 428 | 5/40 | 2000 | 1467 |
| DX 54 428 | 5/40 | 2000 | 1514 |
| DX 54 432 | 5/30 | 1500 | 1467 |
| DX 54 432 | 5/30 | 1500 | 1514 |
| DX 54 435 | 5/30 | 1500 | 1467 |
| DX 54 435 | 5/30 | 1500 | 1514 |
| DX 54 508 | 20/180 | 19800 | 1467 |
| DX 54 508 | 20/180 | 19800 | 1514 |
| DX 54 510 | 20/160 | 17600 | 1467 |

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| DX 54 510 | 20/160 | 17600 | 1514 |
| DX 54 511 | 20/160 | 17600 | 1467 |
| DX 54 511 | 20/160 | 17600 | 1514 |
| DX 54 512 | 10/100 | 11000 | 1467 |
| DX 54 512 | 10/100 | 11000 | 1514 |
| DX 54 513 | 10/100 | 11000 | 1467 |
| DX 54 513 | 10/100 | 11000 | 1514 |
| DX 54 514 | 10/150 | 7500 | 1467 |
| DX 54 514 | 10/150 | 7500 | 1514 |
| DX 54 516 | 10/150 | 7500 | 1467 |
| DX 54 516 | 10/150 | 7500 | 1514 |
| DX 54 517 | 10/150 | 7500 | 1467 |
| DX 54 517 | 10/150 | 7500 | 1514 |
| DX 54 520 | 10/100 | 5000 | 1467 |
| DX 54 520 | 10/100 | 5000 | 1514 |
| DX 54 522 | 10/100 | 4000 | 1467 |
| DX 54 522 | 10/100 | 4000 | 1514 |
| DX 54 525 | 5/60 | 3000 | 1467 |
| DX 54 525 | 5/60 | 3000 | 1514 |
| DX 54 528 | 5/40 | 2000 | 1467 |
| DX 54 528 | 5/40 | 2000 | 1514 |
| DX 54 532 | 5/30 | 1500 | 1467 |
| DX 54 532 | 5/30 | 1500 | 1514 |
| DX 54 535 | 5/30 | 1500 | 1467 |
| DX 54 535 | 5/30 | 1500 | 1514 |
| DX56 | | | |
| DX 56 008 | 20/160 | 17600 | 1468 |
| DX 56 008 | 20/160 | 17600 | 1515 |
| DX 56 010 | 10/170 | 8500 | 1468 |
| DX 56 010 | 10/170 | 8500 | 1515 |
| DX 56 012 | 10/150 | 7500 | 1468 |
| DX 56 012 | 10/150 | 7500 | 1515 |
| DX 56 014 | 10/130 | 6500 | 1468 |
| DX 56 014 | 10/130 | 6500 | 1515 |
| DX 56 016 | 10/110 | 4400 | 1468 |
| DX 56 016 | 10/110 | 4400 | 1515 |
| DX 56 022 | 10/50 | 2500 | 1468 |
| DX 56 022 | 10/50 | 2500 | 1515 |
| DX 56 025 | 10/50 | 2500 | 1468 |
| DX 56 025 | 10/50 | 2500 | 1515 |
| DX 56 028 | 10/40 | 2000 | 1468 |
| DX 56 028 | 10/40 | 2000 | 1515 |
| DX 56 040 | 15 | 750 | 1468 |
| DX 56 040 | 15 | 750 | 1515 |
| DX 56 050 | 12 | 600 | 1468 |
| DX 56 050 | 12 | 600 | 1515 |
| DX 56 208 | 20/160 | 17600 | 1468 |
| DX 56 208 | 20/160 | 17600 | 1515 |
| DX 56 210 | 10/170 | 8500 | 1468 |
| DX 56 210 | 10/170 | 8500 | 1515 |
| DX 56 212 | 10/150 | 7500 | 1468 |
| DX 56 212 | 10/150 | 7500 | 1515 |
| DX 56 214 | 10/130 | 6500 | 1468 |
| DX 56 214 | 10/130 | 6500 | 1515 |
| DX 56 216 | 10/110 | 5500 | 1468 |
| DX 56 216 | 10/110 | 5500 | 1515 |
| DX 56 222 | 10/50 | 2500 | 1468 |
| DX 56 222 | 10/50 | 2500 | 1515 |
| DX 56 225 | 10/50 | 2500 | 1468 |
| DX 56 225 | 10/50 | 2500 | 1515 |
| DX 56 228 | 10/40 | 2000 | 1468 |
| DX 56 228 | 10/40 | 2000 | 1515 |
| DX 56 232 | 3/18 | 900 | 1468 |

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| DX 56 232 | 3/18 | 900 | 1515 |
| DX 56 235 | 3/18 | 900 | 1468 |
| DX 56 235 | 3/18 | 900 | 1515 |
| DX 56 240 | 15 | 750 | 1468 |
| DX 56 240 | 15 | 750 | 1515 |
| DX 56 250 | 12 | 600 | 1468 |
| DX 56 250 | 12 | 600 | 1515 |
| DX 56 408 | 20/160 | 17600 | 1468 |
| DX 56 408 | 20/160 | 17600 | 1515 |
| DX 56 410 | 10/170 | 8500 | 1468 |
| DX 56 410 | 10/170 | 8500 | 1515 |
| DX 56 411 | 10/150 | 7500 | 1468 |
| DX 56 411 | 10/150 | 7500 | 1515 |
| DX 56 412 | 10/150 | 7500 | 1468 |
| DX 56 412 | 10/150 | 7500 | 1515 |
| DX 56 413 | 10/150 | 7500 | 1468 |
| DX 56 413 | 10/150 | 7500 | 1515 |
| DX 56 414 | 10/130 | 6500 | 1468 |
| DX 56 414 | 10/130 | 6500 | 1515 |
| DX 56 415 | 10/110 | 5500 | 1468 |
| DX 56 415 | 10/110 | 5500 | 1515 |
| DX 56 416 | 10/110 | 4400 | 1468 |
| DX 56 416 | 10/110 | 4400 | 1515 |
| DX 56 417 | 10/110 | 4400 | 1468 |
| DX 56 417 | 10/110 | 4400 | 1515 |
| DX 56 422 | 10/50 | 2500 | 1468 |
| DX 56 422 | 10/50 | 2500 | 1515 |
| DX 56 423 | 10/50 | 2500 | 1468 |
| DX 56 423 | 10/50 | 2500 | 1515 |
| DX 56 425 | 10/50 | 2500 | 1468 |
| DX 56 425 | 10/50 | 2500 | 1515 |
| DX 56 428 | 10/40 | 2000 | 1468 |
| DX 56 428 | 10/40 | 2000 | 1515 |
| DX 56 432 | 3/18 | 720 | 1468 |
| DX 56 432 | 3/18 | 720 | 1515 |
| DX 56 435 | 3/18 | 900 | 1468 |
| DX 56 435 | 3/18 | 900 | 1515 |
| DX 56 440 | 15 | 750 | 1468 |
| DX 56 440 | 15 | 750 | 1515 |
| DX 56 450 | 12 | 600 | 1468 |
| DX 56 450 | 12 | 600 | 1515 |
| DX58 | | | |
| DX 58 200 | 1/12 | 1728 | 1477 |
| DX 58 201 | 1/12 | 840 | 1477 |
| DX 58 202 | 1/12 | 480 | 1477 |
| DX 58 203 | 1/12 | 360 | 1477 |
| DX 58 204 | 1/12 | 288 | 1477 |
| DX 58 205 | 1/12 | 144 | 1477 |
| DX 58 206 | 1/12 | 336 | 1477 |
| DX 58 208 | 1/12 | 192 | 1477 |
| DX 58 209 | 1/6 | 24 | 1477 |
| DX59 | | | |
| DX 59 220 | 1/6 | 108 | 1480 |
| DX 59 221 | 1/6 | 96 | 1480 |
| DX 59 230 | 1/6 | 108 | 1480 |
| DX 59 231 | 1/6 | 96 | 1480 |
| DX 59 240 | 1/6 | 300 | 1480 |
| DX 59 241 | 1/4 | 48 | 1480 |
| DX 59 242 | 1/4 | 162 | 1480 |
| DX 59 401 | 1/60 | 60 | 1478 |
| DX 59 402 | 1/60 | 60 | 1478 |
| DX 59 410 | 1/5 | 180 | 1478 |
| DX 59 411 | 1/5 | 350 | 1478 |

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| DX 59 430 | 1/5 | 180 | 1478 |
| DX 59 431 | 1/5 | 120 | 1478 |
| DX 59 440 | 1/10 | 1600 | 1478 |
| DX 59 450 | 1/50 | 5500 | 1478 |
| DX 59 450 | 1/50 | 5500 | 1478 |
| DX 59 451 | 1/10 | 1440 | 1478 |
| DX 59 452 | 1/50 | 8700 | 1479 |
| DX 59 452 | 1/50 | 8700 | 1479 |
| DX 59 453 | 1/20 | 2200 | 1479 |
| DX 59 453 | 1/20 | 2200 | 1479 |
| DX 59 460 | 1/48 | 48 | 1479 |
| DX 59 501 | 1 | 45 | 1480 |
| DX 59 502 | 1 | 18 | 1480 |
| DX 59 511 | 1/6 | 108 | 1480 |
| DX 59 520 | 1/6 | 108 | 1480 |
| DX 59 551 | 1/10 | 1100 | 1480 |
| DX 59 650 | 1/50 | 5500 | 1480 |
| DX 59 701 | 1/36 | 36 | 1478 |
| DX 59 702 | 1/36 | 36 | 1478 |
| DX 59 710 | 1/5 | 140 | 1478 |
| DX 59 711 | 1/5 | 100 | 1478 |
| DX 59 730 | 1/5 | 140 | 1478 |
| DX 59 731 | 1/5 | 100 | 1478 |
| DX 59 740 | 1/10 | 500 | 1478 |
| DX 59 751 | 1/10 | 3000 | 1478 |
| DX 59 760 | 1/18 | 18 | 1479 |
| DX 59 801 | 1/18 | 18 | 1479 |
| DX 59 802 | 1/18 | 36 | 1479 |
| DX 59 810 | 1/5 | 30 | 1479 |
| DX 59 811 | 1/5 | 30 | 1479 |
| DX 59 830 | 1/5 | 30 | 1479 |
| DX 59 831 | 1/5 | 30 | 1479 |
| DX 59 840 | 1/10 | 240 | 1479 |
| DX 59 851 | 1/10 | 1600 | 1479 |
| DX 59 901 | 1/8 | 8 | 1479 |
| DX 59 902 | 1/8 | 8 | 1479 |
| DX 59 910 | 1/5 | 24 | 1479 |
| DX 59 911 | 1/5 | 20 | 1479 |
| DX 59 930 | 1/5 | 60 | 1479 |
| DX 59 931 | 1/5 | 60 | 1479 |
| DX 59 940 | 1/10 | 80 | 1479 |
| DX 59 951 | 1/10 | 1600 | 1479 |
| GW10 | | | |
| GW 10 001 | 12/96 | 9216 | 78 |
| GW 10 002 | 12/24 | 6552 | 78 |
| GW 10 003 | 12/24 | 7728 | 78 |
| GW 10 004 | 12/48 | 7488 | 78 |
| GW 10 005 | 12/24 | 7728 | 78 |
| GW 10 006 | 1/12 | 2340 | 78 |
| GW 10 007 | 12/24 | 4416 | 78 |
| GW 10 008 M | 10/100 | 1800 | 267 |
| GW 10 009 M | 10/100 | 1800 | 267 |
| GW 10 011 M | 10/100 | 1800 | 267 |
| GW 10 012 | 1/100 | 600 | 267 |
| GW 10 021 | 6/24 | 8448 | 78 |
| GW 10 022 | 6/24 | 6336 | 78 |
| GW 10 031 | 6/24 | 3744 | 78 |
| GW 10 031 F | 6/24 | 1152 | 81 |
| GW 10 032 | 6/24 | 4032 | 78 |
| GW 10 032 F | 6/24 | 2304 | 81 |
| GW 10 033 | 6/24 | 1872 | 78 |
| GW 10 033 F | 6/24 | 2304 | 81 |
| GW 10 034 | 6/24 | 1872 | 78 |

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| | Pack/carton | Pallet | |
| GW 10 034 F | 6/24 | 2304 | 81 |
| GW 10 035 | 6/24 | 2304 | 78 |
| GW 10 035 F | 6/24 | 1728 | 81 |
| GW 10 038 | 1/100 | 600 | 267 |
| GW 10 039 | 1/6 | 2112 | 84 |
| GW 10 041 | 4/12 | 1584 | 78 |
| GW 10 042 | 4/12 | 1584 | 78 |
| GW 10 043 | 4/12 | 1584 | 78 |
| GW 10 044 | 1/16 | 1536 | 284 |
| GW 10 045 M | 10/100 | 1800 | 267 |
| GW 10 051 | 12/96 | 9216 | 79 |
| GW 10 052 | 12/24 | 5760 | 79 |
| GW 10 053 | 12/24 | 7728 | 79 |
| GW 10 054 | 1/12 | 2340 | 79 |
| GW 10 056 | 1/100 | 600 | 268 |
| GW 10 061 | 6/24 | 8448 | 79 |
| GW 10 071 | 6/24 | 3744 | 79 |
| GW 10 071 F | 6/24 | 1728 | 81 |
| GW 10 072 | 6/24 | 3072 | 79 |
| GW 10 072 F | 6/24 | 2304 | 81 |
| GW 10 073 | 6/24 | 2304 | 79 |
| GW 10 073 F | 6/24 | 1728 | 81 |
| GW 10 075 | 1/100 | 600 | 268 |
| GW 10 078 F | 6/24 | 1152 | 82 |
| GW 10 081 | 4/12 | 1584 | 79 |
| GW 10 082 | 4/12 | 1584 | 79 |
| GW 10 083 | 4/12 | 1584 | 79 |
| GW 10 085 M | 10/100 | 1800 | 268 |
| GW 10 091 | 12/48 | 7488 | 79 |
| GW 10 092 | 12/24 | 7728 | 79 |
| GW 10 093 | 12/24 | 3312 | 79 |
| GW 10 101 | 6/12 | 3312 | 79 |
| GW 10 101 F | 6/12 | 1620 | 81 |
| GW 10 102 | 6/12 | 2208 | 79 |
| GW 10 102 F | 6/12 | 1620 | 81 |
| GW 10 103 | 6/12 | 2208 | 79 |
| GW 10 103 F | 6/12 | 1620 | 81 |
| GW 10 111 | 4/12 | 1104 | 79 |
| GW 10 112 | 4/12 | 1104 | 79 |
| GW 10 113 | 4/12 | 1104 | 79 |
| GW 10 121 | 12/24 | 5400 | 79 |
| GW 10 122 | 12/24 | 2952 | 79 |
| GW 10 123 | 6/24 | 0 | 79 |
| GW 10 131 | 12/96 | 9216 | 80 |
| GW 10 132 | 12/24 | 6720 | 80 |
| GW 10 133 | 12/24 | 6720 | 80 |
| GW 10 134 | 12/24 | 4416 | 80 |
| GW 10 135 | 12/24 | 4416 | 80 |
| GW 10 136 | 1/12 | 3744 | 80 |
| GW 10 137 | 12/24 | 6624 | 80 |
| GW 10 138 | 12/24 | 3240 | 80 |
| GW 10 139 | 12/24 | 3240 | 80 |
| GW 10 140 | 12/24 | 4920 | 80 |
| GW 10 141 | 12/24 | 5400 | 80 |
| GW 10 142 | 12/24 | 3240 | 80 |
| GW 10 143 | 12/24 | 3240 | 80 |
| GW 10 144 | 12/24 | 3240 | 80 |
| GW 10 145 | 1/12 | 2340 | 80 |
| GW 10 151 | 12/24 | 7728 | 80 |
| GW 10 152 | 12/24 | 7728 | 80 |
| GW 10 153 | 12/24 | 6720 | 80 |
| GW 10 159 F | 6/24 | 1728 | 82 |
| GW 10 160 F | 6/24 | 1152 | 82 |
| GW 10 161 | 6/24 | 8448 | 80 |

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| | Pack/carton | Pallet | |
| GW 10 162 | 6/24 | 2880 | 80 |
| GW 10 171 | 6/24 | 4032 | 80 |
| GW 10 171 F | 6/24 | 2880 | 82 |
| GW 10 172 | 6/24 | 2304 | 80 |
| GW 10 172 F | 6/24 | 3456 | 82 |
| GW 10 173 | 6/24 | 4032 | 80 |
| GW 10 173 F | 6/24 | 1728 | 82 |
| GW 10 181 | 4/12 | 1584 | 80 |
| GW 10 182 | 4/12 | 1584 | 80 |
| GW 10 183 | 4/12 | 1584 | 80 |
| GW 10 191 | 6/24 | 2304 | 80 |
| GW 10 192 | 4/16 | 1152 | 80 |
| GW 10 194 | 6/48 | 3600 | 84 |
| GW 10 195 | 10/200 | 18000 | 84 |
| GW 10 196 | 1/48 | 3456 | 84 |
| GW 10 197 | 4/48 | 14976 | 84 |
| GW 10 198 | 1/48 | 4608 | 84 |
| GW 10 199 | 1/48 | 2304 | 84 |
| GW 10 201 | 12/96 | 7200 | 86 |
| GW 10 203 | 12/96 | 7200 | 86 |
| GW 10 204 | 6/48 | 3600 | 86 |
| GW 10 204 | 6/48 | 3600 | 742 |
| GW 10 205 | 6/48 | 3600 | 86 |
| GW 10 208 | 6/24 | 1872 | 86 |
| GW 10 209 | 4/12 | 1104 | 86 |
| GW 10 213 | 12/24 | 7728 | 87 |
| GW 10 213 | 12/24 | 7728 | 134 |
| GW 10 213 | 12/24 | 7728 | 182 |
| GW 10 214 | 6/12 | 3360 | 87 |
| GW 10 214 | 6/12 | 3360 | 134 |
| GW 10 214 | 6/12 | 3360 | 182 |
| GW 10 223 | 12/24 | 6624 | 87 |
| GW 10 223 | 12/24 | 6624 | 134 |
| GW 10 223 | 12/24 | 6624 | 182 |
| GW 10 224 | 6/12 | 3312 | 87 |
| GW 10 224 | 6/12 | 3312 | 134 |
| GW 10 224 | 6/12 | 3312 | 182 |
| GW 10 233 | 12/24 | 7728 | 87 |
| GW 10 233 | 12/24 | 7728 | 134 |
| GW 10 233 | 12/24 | 7728 | 182 |
| GW 10 234 | 6/12 | 1656 | 87 |
| GW 10 234 | 6/12 | 1656 | 134 |
| GW 10 234 | 6/12 | 1656 | 182 |
| GW 10 241 | 6/48 | 3600 | 88 |
| GW 10 241 F | 6/12 | 1620 | 89 |
| GW 10 242 | 6/48 | 2400 | 88 |
| GW 10 246 | 1/24 | 2304 | 90 |
| GW 10 247 | 6/48 | 3600 | 90 |
| GW 10 247 F | 6/12 | 2952 | 90 |
| GW 10 248 | 6/12 | 2700 | 90 |
| GW 10 251 | 6/12 | 2700 | 88 |
| GW 10 251 | 6/12 | 2700 | 135 |
| GW 10 251 | 6/12 | 2700 | 183 |
| GW 10 251 F | 6/12 | 1620 | 89 |
| GW 10 251 F | 6/12 | 1620 | 136 |
| GW 10 251 F | 6/12 | 1620 | 184 |
| GW 10 257 F | 6/12 | 1620 | 91 |
| GW 10 257 F | 6/12 | 1620 | 138 |
| GW 10 257 F | 6/12 | 1620 | 186 |
| GW 10 258 | 6/12 | 1620 | 90 |
| GW 10 258 | 6/12 | 1620 | 137 |
| GW 10 258 | 6/12 | 1620 | 185 |
| GW 10 260 | 10/100 | 19500 | 91 |
| GW 10 260 | 10/100 | 19500 | 138 |

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| | Pack/carton | Pallet | |
| GW 10 260 | 10/100 | 19500 | 186 |
| GW 10 281 | 1/24 | 2304 | 91 |
| GW 10 282 | 1/48 | 4608 | 91 |
| GW 10 286 | 12/48 | 7680 | 92 |
| GW 10 287 | 12/48 | 7488 | 92 |
| GW 10 288 | 12/48 | 7488 | 92 |
| GW 10 291 | 1/24 | 2016 | 91 |
| GW 10 291 | 1/24 | 2016 | 138 |
| GW 10 291 | 1/24 | 2016 | 186 |
| GW 10 296 | 6/48 | 3600 | 92 |
| GW 10 297 | 6/48 | 1200 | 92 |
| GW 10 298 | 6/48 | 3600 | 92 |
| GW 10 299 ^① | 12/240 | 0 | 93 |
| GW 10 301 | 6/48 | 1200 | 93 |
| GW 10 306 | 6/48 | 1200 | 93 |
| GW 10 307 | 6/48 | 1200 | 93 |
| GW 10 310 | 10/40 | 4800 | 93 |
| GW 10 311 | 1/6 | 1170 | 94 |
| GW 10 312 | 1/4 | 1408 | 94 |
| GW 10 321 | 1/4 | 352 | 94 |
| GW 10 322 | 1/2 | 246 | 94 |
| GW 10 331 | 1/2 | 288 | 94 |
| GW 10 332 | 4/16 | 0 | 284 |
| GW 10 333 | 4/16 | 0 | 284 |
| GW 10 333 | 4/16 | 0 | 285 |
| GW 10 333 | 4/16 | 0 | 286 |
| GW 10 336 M | 10/100 | 1800 | 268 |
| GW 10 337 M | 10/100 | 1800 | 268 |
| GW 10 338 M | 5/50 | 900 | 268 |
| GW 10 339 M | 5/50 | 900 | 268 |
| GW 10 341 | 6/12 | 3240 | 88 |
| GW 10 351 | 6/12 | 3240 | 89 |
| GW 10 351 | 6/12 | 3240 | 136 |
| GW 10 351 | 6/12 | 3240 | 184 |
| GW 10 361 | 1/48 | 4608 | 95 |
| GW 10 362 | 1/24 | 5400 | 95 |
| GW 10 363 | 1/24 | 3240 | 95 |
| GW 10 364 | 1/24 | 3840 | 95 |
| GW 10 367 | 1/24 | 1536 | 95 |
| GW 10 371 | 1/48 | 4608 | 95 |
| GW 10 372 | 1/24 | 3240 | 95 |
| GW 10 373 | 1/24 | 3240 | 95 |
| GW 10 374 | 1/24 | 3240 | 95 |
| GW 10 377 | 1/24 | 1536 | 96 |
| GW 10 381 | 1/24 | 1728 | 95 |
| GW 10 382 | 1/24 | 2880 | 95 |
| GW 10 383 | 1/24 | 2880 | 95 |
| GW 10 386 | 1/24 | 3072 | 96 |
| GW 10 387 | 1/24 | 2304 | 96 |
| GW 10 391 | 6/48 | 1440 | 93 |
| GW 10 392 | 6/48 | 2400 | 93 |
| GW 10 401 | 1/24 | 2304 | 97 |
| GW 10 402 | 1/24 | 2880 | 97 |
| GW 10 403 | 1/24 | 3240 | 97 |
| GW 10 405 | 1/24 | 3240 | 97 |
| GW 10 406 | 1/24 | 4872 | 98 |
| GW 10 409 | 1/24 | 1536 | 97 |
| GW 10 410 | 1/24 | 2880 | 97 |
| GW 10 421 | 1/24 | 2304 | 99 |
| GW 10 422 | 1/24 | 2304 | 99 |
| GW 10 423 | 1/24 | 2304 | 99 |
| GW 10 424 | 1/24 | 2880 | 99 |
| GW 10 425 | 1/24 | 3240 | 100 |
| GW 10 426 | 1/24 | 3240 | 100 |

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| | Pack/carton | Pallet | |
| GW 10 431 | 1/48 | 4608 | 99 |
| GW 10 433 | 4/100 | 3000 | 99 |
| GW 10 434 | 1/24 | 1536 | 99 |
| GW 10 435 | 1/24 | 1536 | 99 |
| GW 10 436 | 1/24 | 1536 | 99 |
| GW 10 437 | 1/24 | 1536 | 99 |
| GW 10 438 ^① | 1/48 | 0 | 99 |
| GW 10 441 | 1/12 | 2112 | 100 |
| GW 10 442 | 1/12 | 2112 | 100 |
| GW 10 443 | 1/16 | 1152 | 100 |
| GW 10 446 | 1/12 | 3168 | 100 |
| GW 10 450 | 1/10 | 7200 | 101 |
| GW 10 451 | 12/24 | 3240 | 100 |
| GW 10 452 | 12/24 | 3240 | 100 |
| GW 10 453 | 1/24 | 4176 | 100 |
| GW 10 454 | 1/24 | 3240 | 100 |
| GW 10 458 | 1/24 | 1536 | 100 |
| GW 10 459 | 1/24 | 1728 | 101 |
| GW 10 461 | 1/12 | 3168 | 102 |
| GW 10 462 | 1/12 | 3168 | 102 |
| GW 10 463 | 1/12 | 3168 | 102 |
| GW 10 466 | 1/12 | 3168 | 102 |
| GW 10 467 | 1/12 | 2640 | 102 |
| GW 10 468 | 1/12 | 4224 | 102 |
| GW 10 482 | 1/6 | 1104 | 102 |
| GW 10 483 | 1/6 | 1104 | 102 |
| GW 10 485 | 1/6 | 1104 | 102 |
| GW 10 486 | 1/6 | 1104 | 102 |
| GW 10 488 | 1/6 | 1104 | 102 |
| GW 10 489 | 1/6 | 1104 | 102 |
| GW 10 491 | 1/12 | 4224 | 102 |
| GW 10 492 | 1/12 | 2340 | 102 |
| GW 10 501 | 20/240 | 86400 | 83 |
| GW 10 501 | 20/240 | 86400 | 129 |
| GW 10 501 | 20/240 | 86400 | 177 |
| GW 10 501 | 20/240 | 86400 | 219 |
| GW 10 501 A | 24 | 9600 | 498 |
| GW 10 501 A | 24 | 9600 | 526 |
| GW 10 502 | 20/240 | 86400 | 83 |
| GW 10 502 | 20/240 | 86400 | 129 |
| GW 10 502 | 20/240 | 86400 | 177 |
| GW 10 502 | 20/240 | 86400 | 219 |
| GW 10 502 A | 24 | 9600 | 498 |
| GW 10 502 A | 24 | 9600 | 526 |
| GW 10 503 | 20/240 | 86400 | 83 |
| GW 10 503 | 20/240 | 86400 | 129 |
| GW 10 503 | 20/240 | 86400 | 177 |
| GW 10 503 | 20/240 | 86400 | 219 |
| GW 10 503 A | 24 | 9600 | 498 |
| GW 10 503 A | 24 | 9600 | 526 |
| GW 10 504 | 20/240 | 86400 | 83 |
| GW 10 504 | 20/240 | 86400 | 129 |
| GW 10 504 | 20/240 | 86400 | 177 |
| GW 10 504 | 20/240 | 86400 | 219 |
| GW 10 504 A | 24 | 9600 | 498 |
| GW 10 504 A | 24 | 9600 | 526 |
| GW 10 505 | 20/240 | 86400 | 83 |
| GW 10 505 | 20/240 | 86400 | 129 |
| GW 10 505 | 20/240 | 86400 | 177 |
| GW 10 505 | 20/240 | 86400 | 219 |
| GW 10 505 A | 24 | 9600 | 498 |
| GW 10 505 A | 24 | 9600 | 526 |
| GW 10 506 | 20/240 | 86400 | 83 |
| GW 10 506 | 20/240 | 86400 | 129 |

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| | Pack/carton | Pallet | |
| GW 10 506 | 20/240 | 86400 | 177 |
| GW 10 506 | 20/240 | 86400 | 219 |
| GW 10 506 A | 24 | 9600 | 498 |
| GW 10 506 A | 24 | 9600 | 526 |
| GW 10 507 | 20/240 | 86400 | 83 |
| GW 10 507 | 20/240 | 86400 | 129 |
| GW 10 507 | 20/240 | 86400 | 177 |
| GW 10 507 | 20/240 | 86400 | 219 |
| GW 10 507 A | 24 | 9600 | 498 |
| GW 10 507 A | 24 | 9600 | 526 |
| GW 10 508 | 20/240 | 86400 | 83 |
| GW 10 508 | 20/240 | 86400 | 129 |
| GW 10 508 | 20/240 | 86400 | 177 |
| GW 10 508 | 20/240 | 86400 | 219 |
| GW 10 508 A | 24 | 9600 | 498 |
| GW 10 508 A | 24 | 9600 | 526 |
| GW 10 509 | 20/240 | 86400 | 83 |
| GW 10 509 | 20/240 | 86400 | 129 |
| GW 10 509 | 20/240 | 86400 | 177 |
| GW 10 509 | 20/240 | 86400 | 219 |
| GW 10 509 A | 24 | 9600 | 498 |
| GW 10 509 A | 24 | 9600 | 526 |
| GW 10 510 | 20/240 | 86400 | 83 |
| GW 10 510 | 20/240 | 86400 | 129 |
| GW 10 510 | 20/240 | 86400 | 177 |
| GW 10 510 | 20/240 | 86400 | 219 |
| GW 10 510 A | 24 | 9600 | 498 |
| GW 10 510 A | 24 | 9600 | 526 |
| GW 10 511 | 20/240 | 86400 | 83 |
| GW 10 511 | 20/240 | 86400 | 129 |
| GW 10 511 | 20/240 | 86400 | 177 |
| GW 10 511 | 20/240 | 86400 | 219 |
| GW 10 511 A | 24 | 9600 | 498 |
| GW 10 511 A | 24 | 9600 | 526 |
| GW 10 512 | 20/240 | 86400 | 83 |
| GW 10 512 | 20/240 | 86400 | 129 |
| GW 10 512 | 20/240 | 86400 | 177 |
| GW 10 512 | 20/240 | 86400 | 219 |
| GW 10 512 A | 24 | 9600 | 498 |
| GW 10 512 A | 24 | 9600 | 526 |
| GW 10 513 | 20/240 | 86400 | 83 |
| GW 10 513 | 20/240 | 86400 | 129 |
| GW 10 513 | 20/240 | 86400 | 177 |
| GW 10 513 | 20/240 | 86400 | 219 |
| GW 10 513 A | 24 | 9600 | 498 |
| GW 10 513 A | 24 | 9600 | 526 |
| GW 10 514 | 20/240 | 86400 | 83 |
| GW 10 514 | 20/240 | 86400 | 129 |
| GW 10 514 | 20/240 | 86400 | 177 |
| GW 10 514 | 20/240 | 86400 | 219 |
| GW 10 514 A | 24 | 9600 | 498 |
| GW 10 514 A | 24 | 9600 | 526 |
| GW 10 515 | 20/240 | 86400 | 83 |
| GW 10 515 | 20/240 | 86400 | 129 |
| GW 10 515 | 20/240 | 86400 | 177 |
| GW 10 515 | 20/240 | 86400 | 219 |
| GW 10 515 A | 24 | 9600 | 498 |
| GW 10 515 A | 24 | 9600 | 526 |
| GW 10 516 | 20/240 | 86400 | 83 |
| GW 10 516 | 20/240 | 86400 | 129 |
| GW 10 516 | 20/240 | 86400 | 177 |
| GW 10 516 | 20/240 | 86400 | 219 |
| GW 10 516 A | 24 | 9600 | 498 |
| GW 10 516 A | 24 | 9600 | 526 |

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| | Pack/carton | Pallet | |
| GW 10 517 | 20/240 | 86400 | 83 |
| GW 10 517 | 20/240 | 86400 | 129 |
| GW 10 517 | 20/240 | 86400 | 177 |
| GW 10 517 | 20/240 | 86400 | 219 |
| GW 10 517 A | 24 | 9600 | 498 |
| GW 10 517 A | 24 | 9600 | 526 |
| GW 10 518 | 20/240 | 86400 | 83 |
| GW 10 518 | 20/240 | 86400 | 129 |
| GW 10 518 | 20/240 | 86400 | 177 |
| GW 10 518 | 20/240 | 86400 | 219 |
| GW 10 518 A | 24 | 9600 | 498 |
| GW 10 518 A | 24 | 9600 | 526 |
| GW 10 519 A | 24 | 9600 | 498 |
| GW 10 519 A | 24 | 9600 | 526 |
| GW 10 520 A | 24 | 9600 | 498 |
| GW 10 520 A | 24 | 9600 | 526 |
| GW 10 521 A | 24 | 9600 | 498 |
| GW 10 521 A | 24 | 9600 | 526 |
| GW 10 522 A | 24 | 9600 | 498 |
| GW 10 522 A | 24 | 9600 | 526 |
| GW 10 523 A | 24 | 9600 | 498 |
| GW 10 523 A | 24 | 9600 | 526 |
| GW 10 524 A | 24 | 9600 | 498 |
| GW 10 524 A | 24 | 9600 | 526 |
| GW 10 525 A | 24 | 9600 | 498 |
| GW 10 525 A | 24 | 9600 | 526 |
| GW 10 526 A | 24 | 9600 | 498 |
| GW 10 526 A | 24 | 9600 | 526 |
| GW 10 527 A | 24 | 9600 | 498 |
| GW 10 527 A | 24 | 9600 | 526 |
| GW 10 528 A | 24 | 9600 | 498 |
| GW 10 528 A | 24 | 9600 | 526 |
| GW 10 529 A | 24 | 9600 | 498 |
| GW 10 529 A | 24 | 9600 | 526 |
| GW 10 530 A | 24 | 9600 | 498 |
| GW 10 530 A | 24 | 9600 | 526 |
| GW 10 531 | 20/240 | 86400 | 83 |
| GW 10 531 | 20/240 | 86400 | 129 |
| GW 10 531 | 20/240 | 86400 | 177 |
| GW 10 531 | 20/240 | 86400 | 219 |
| GW 10 531 A | 24 | 9600 | 498 |
| GW 10 531 A | 24 | 9600 | 526 |
| GW 10 532 | 20/240 | 86400 | 83 |
| GW 10 532 | 20/240 | 86400 | 129 |
| GW 10 532 | 20/240 | 86400 | 177 |
| GW 10 532 | 20/240 | 86400 | 219 |
| GW 10 532 A | 24 | 9600 | 498 |
| GW 10 532 A | 24 | 9600 | 526 |
| GW 10 533 | 20/240 | 86400 | 83 |
| GW 10 533 | 20/240 | 86400 | 129 |
| GW 10 533 | 20/240 | 86400 | 177 |
| GW 10 533 | 20/240 | 86400 | 219 |
| GW 10 533 A | 24 | 9600 | 498 |
| GW 10 533 A | 24 | 9600 | 526 |
| GW 10 534 | 20/240 | 86400 | 83 |
| GW 10 534 | 20/240 | 86400 | 129 |
| GW 10 534 | 20/240 | 86400 | 177 |
| GW 10 534 | 20/240 | 86400 | 219 |
| GW 10 534 A | 24 | 9600 | 498 |
| GW 10 534 A | 24 | 9600 | 526 |
| GW 10 535 | 20/240 | 86400 | 83 |
| GW 10 535 | 20/240 | 86400 | 129 |
| GW 10 535 | 20/240 | 86400 | 177 |
| GW 10 535 | 20/240 | 86400 | 219 |

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| | Pack/carton | Pallet | |
| GW 10 535 A | 24 | 9600 | 498 |
| GW 10 535 A | 24 | 9600 | 526 |
| GW 10 536 | 20/240 | 86400 | 83 |
| GW 10 536 | 20/240 | 86400 | 129 |
| GW 10 536 | 20/240 | 86400 | 177 |
| GW 10 536 | 20/240 | 86400 | 219 |
| GW 10 536 A | 24 | 9600 | 498 |
| GW 10 536 A | 24 | 9600 | 526 |
| GW 10 537 | 20/240 | 86400 | 83 |
| GW 10 537 | 20/240 | 86400 | 129 |
| GW 10 537 | 20/240 | 86400 | 177 |
| GW 10 537 | 20/240 | 86400 | 219 |
| GW 10 537 A | 24 | 9600 | 498 |
| GW 10 537 A | 24 | 9600 | 526 |
| GW 10 538 | 20/240 | 86400 | 83 |
| GW 10 538 | 20/240 | 86400 | 129 |
| GW 10 538 | 20/240 | 86400 | 177 |
| GW 10 538 | 20/240 | 86400 | 219 |
| GW 10 538 A | 24 | 9600 | 498 |
| GW 10 538 A | 24 | 9600 | 526 |
| GW 10 539 | 20/240 | 86400 | 83 |
| GW 10 539 | 20/240 | 86400 | 129 |
| GW 10 539 | 20/240 | 86400 | 177 |
| GW 10 539 | 20/240 | 86400 | 219 |
| GW 10 539 A | 24 | 9600 | 498 |
| GW 10 539 A | 24 | 9600 | 526 |
| GW 10 540 | 20/240 | 86400 | 83 |
| GW 10 540 | 20/240 | 86400 | 129 |
| GW 10 540 | 20/240 | 86400 | 177 |
| GW 10 540 | 20/240 | 86400 | 219 |
| GW 10 540 A | 24 | 9600 | 498 |
| GW 10 540 A | 24 | 9600 | 526 |
| GW 10 541 | 4/48 | 17280 | 83 |
| GW 10 542 | 4/48 | 17280 | 83 |
| GW 10 543 | 4/48 | 17280 | 83 |
| GW 10 544 | 4/48 | 17280 | 83 |
| GW 10 545 | 4/48 | 17280 | 83 |
| GW 10 546 | 4/48 | 17280 | 83 |
| GW 10 547 | 4/48 | 17280 | 83 |
| GW 10 547 | 4/48 | 17280 | 129 |
| GW 10 547 | 4/48 | 17280 | 177 |
| GW 10 548 | 4/48 | 17280 | 83 |
| GW 10 548 | 4/48 | 17280 | 129 |
| GW 10 548 | 4/48 | 17280 | 177 |
| GW 10 549 | 4/48 | 17280 | 83 |
| GW 10 549 | 4/48 | 17280 | 129 |
| GW 10 549 | 4/48 | 17280 | 177 |
| GW 10 550 | 4/48 | 17280 | 83 |
| GW 10 550 | 4/48 | 17280 | 129 |
| GW 10 550 | 4/48 | 17280 | 177 |
| GW 10 551 | 5/50 | 0 | 498 |
| GW 10 551 | 5/50 | 0 | 526 |
| GW 10 552 | 5/50 | 0 | 498 |
| GW 10 552 | 5/50 | 0 | 526 |
| GW 10 553 | 4/48 | 0 | 498 |
| GW 10 553 | 4/48 | 0 | 526 |
| GW 10 554 | 4/48 | 0 | 498 |
| GW 10 554 | 4/48 | 0 | 526 |
| GW 10 557 | 4/48 | 0 | 498 |
| GW 10 557 | 4/48 | 0 | 526 |
| GW 10 561 | 1/12 | 3744 | 108 |
| GW 10 564 | 1/12 | 3744 | 108 |
| GW 10 566 | 1/12 | 0 | 108 |
| GW 10 567 | 1/12 | 2808 | 108 |

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| GW 10 573 | 1/6 | 720 | 108 |
| GW 10 574 | 1/12 | 2340 | 109 |
| GW 10 581 | 1/2 | 144 | 106 |
| GW 10 582 | 1/2 | 410 | 106 |
| GW 10 583 | 1/2 | 450 | 106 |
| GW 10 591 | 1/4 | 1404 | 84 |
| GW 10 592 | 1/2 | 702 | 84 |
| GW 10 597 | 1/4 | 780 | 85 |
| GW 10 601 | 1/24 | 4872 | 105 |
| GW 10 602 | 1/24 | 5400 | 105 |
| GW 10 606 | 1/24 | 5400 | 105 |
| GW 10 607 | 1/24 | 4872 | 105 |
| GW 10 611 | 1/6 | 1584 | 105 |
| GW 10 612 | 1/6 | 1584 | 105 |
| GW 10 621 | 1/24 | 4224 | 103 |
| GW 10 622 | 1/24 | 4224 | 103 |
| GW 10 623 | 1/24 | 7392 | 103 |
| GW 10 624 | 1/24 | 4224 | 103 |
| GW 10 628 | 1/24 | 4224 | 103 |
| GW 10 629 | 1/24 | 4224 | 103 |
| GW 10 631 | 1/24 | 1152 | 103 |
| GW 10 632 | 1/24 | 1152 | 103 |
| GW 10 633 | 1/24 | 1728 | 103 |
| GW 10 634 | 1/24 | 1152 | 103 |
| GW 10 641 | 2/48 | 8448 | 103 |
| GW 10 642 | 2/48 | 8448 | 103 |
| GW 10 643 | 2/48 | 8448 | 103 |
| GW 10 644 | 2/48 | 8448 | 103 |
| GW 10 651 | 1/24 | 1152 | 103 |
| GW 10 656 | 1/2 | 246 | 103 |
| GW 10 661 | 1/6 | 1932 | 104 |
| GW 10 661 | 1/6 | 1932 | 742 |
| GW 10 662 | 1/12 | 3744 | 104 |
| GW 10 663 | 1/6 | 1104 | 104 |
| GW 10 666 | 1/2 | 288 | 104 |
| GW 10 681 | 1 | 351 | 540 |
| GW 10 682 | 1 | 351 | 540 |
| GW 10 683 | 1 | 128 | 540 |
| GW 10 684 | 10/40 | 23040 | 540 |
| GW 10 701 | 1/2 | 288 | 107 |
| GW 10 701 | 1/2 | 288 | 155 |
| GW 10 701 | 1/2 | 288 | 203 |
| GW 10 701 | 1/2 | 288 | 331 |
| GW 10 701 | 1/2 | 288 | 357 |
| GW 10 703 | 1/2 | 288 | 107 |
| GW 10 705 | 1/2 | 312 | 107 |
| GW 10 708 | 1/2 | 288 | 106 |
| GW 10 711 | 1/2 | 288 | 114 |
| GW 10 712 | 1/2 | 288 | 114 |
| GW 10 716 | 1/2 | 288 | 114 |
| GW 10 720 | 1/10 | 15600 | 108 |
| GW 10 720 | 1/10 | 15600 | 116 |
| GW 10 720 | 1/10 | 15600 | 156 |
| GW 10 720 | 1/10 | 15600 | 164 |
| GW 10 720 | 1/10 | 15600 | 204 |
| GW 10 720 | 1/10 | 15600 | 212 |
| GW 10 720 | 1/10 | 15600 | 337 |
| GW 10 720 | 1/10 | 15600 | 363 |
| GW 10 720 | 1/10 | 15600 | 433 |
| GW 10 720 | 1/10 | 15600 | 507 |
| GW 10 720 | 1/10 | 15600 | 538 |
| GW 10 721 | 1/12 | 2340 | 85 |

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| GW 10 724 | 1/12 | 2340 | 85 |
| GW 10 726 | 1/12 | 2340 | 85 |
| GW 10 741 | 1 | 320 | 495 |
| GW 10 746 | 1 | 320 | 522 |
| GW 10 750 | 1/12 | 0 | 115 |
| GW 10 750 | 1/12 | 0 | 731 |
| GW 10 751 | 5/200 | 10800 | 496 |
| GW 10 751 | 5/200 | 10800 | 524 |
| GW 10 752 | 1 | 320 | 499 |
| GW 10 753 A | 1 | 0 | 497 |
| GW 10 754 A | 1 | 0 | 497 |
| GW 10 755 A | 1 | 0 | 497 |
| GW 10 756 | 1 | 351 | 501 |
| GW 10 757 | 1 | 0 | 497 |
| GW 10 761 | 1 | 195 | 507 |
| GW 10 762 H | 1 | 156 | 506 |
| GW 10 762 H | 1 | 156 | 537 |
| GW 10 763 | 1 | 351 | 507 |
| GW 10 764 H | 1 | 117 | 505 |
| GW 10 765 H | 1 | 117 | 505 |
| GW 10 766 | 1 | 312 | 502 |
| GW 10 767 | 1 | 351 | 503 |
| GW 10 769 | 1 | 312 | 505 |
| GW 10 769 H | 1 | 160 | 505 |
| GW 10 770 | 1 | 195 | 575 |
| GW 10 776 | 1 | 195 | 476 |
| GW 10 776 | 1 | 195 | 500 |
| GW 10 782 | 1 | 351 | 527 |
| GW 10 783 A | 1 | 0 | 525 |
| GW 10 784 A | 1 | 0 | 525 |
| GW 10 785 A | 1 | 0 | 525 |
| GW 10 786 | 1 | 351 | 529 |
| GW 10 787 | 1 | 0 | 525 |
| GW 10 791 | 1 | 195 | 538 |
| GW 10 793 | 1 | 351 | 538 |
| GW 10 794 H | 1 | 195 | 536 |
| GW 10 795 H | 1 | 351 | 536 |
| GW 10 796 | 1 | 351 | 531 |
| GW 10 797 | 1 | 351 | 532 |
| GW 10 798 | 1 | 195 | 476 |
| GW 10 798 | 1 | 195 | 528 |
| GW 10 799 | 1 | 312 | 536 |
| GW 10 799 H | 1 | 320 | 536 |
| GW 10 800 | 1 | 420 | 506 |
| GW 10 800 | 1 | 420 | 537 |
| GW 10 801 | 1 | 351 | 472 |
| GW 10 802 | 1 | 195 | 472 |
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| GW 10 804 | 1 | 351 | 472 |
| GW 10 806 | 1 | 195 | 472 |
| GW 10 807 | 1 | 195 | 472 |
| GW 10 808 | 1 | 351 | 472 |
| GW 10 809 | 1 | 195 | 472 |
| GW 10 811 | 1 | 351 | 474 |
| GW 10 813 | 1 | 360 | 473 |
| GW 10 816 | 1 | 351 | 474 |
| GW 10 821 | 1 | 576 | 475 |
| GW 10 822 | 1 | 312 | 475 |
| GW 10 823 | 1 | 195 | 475 |
| GW 10 831 | 1 | 195 | 476 |
| GW 10 841 | 1 | 351 | 474 |
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| GW 10 881 | 50 | 17550 | 213 |
| GW 10 881 | 50 | 17550 | 228 |
| GW 10 881 | 50 | 17550 | 365 |
| GW 10 882 | 50 | 17550 | 117 |
| GW 10 882 | 50 | 17550 | 165 |
| GW 10 882 | 50 | 17550 | 213 |
| GW 10 882 | 50 | 17550 | 228 |
| GW 10 882 | 50 | 17550 | 365 |
| GW 10 883 | 50 | 17550 | 117 |
| GW 10 883 | 50 | 17550 | 165 |
| GW 10 883 | 50 | 17550 | 213 |
| GW 10 883 | 50 | 17550 | 228 |
| GW 10 883 | 50 | 17550 | 365 |
| GW 10 884 | 50 | 17550 | 117 |
| GW 10 884 | 50 | 17550 | 165 |
| GW 10 884 | 50 | 17550 | 213 |
| GW 10 884 | 50 | 17550 | 228 |
| GW 10 884 | 50 | 17550 | 365 |
| GW 10 885 | 50 | 17550 | 117 |
| GW 10 885 | 50 | 17550 | 165 |
| GW 10 885 | 50 | 17550 | 213 |
| GW 10 885 | 50 | 17550 | 228 |
| GW 10 885 | 50 | 17550 | 365 |
| GW 10 886 | 50 | 15600 | 496 |
| GW 10 886 | 50 | 15600 | 524 |
| GW 10 887 | 50 | 15600 | 496 |
| GW 10 887 | 50 | 15600 | 524 |
| GW 10 888 | 50 | 15600 | 496 |
| GW 10 888 | 50 | 15600 | 524 |
| GW 10 889 | 50 | 15600 | 496 |
| GW 10 889 | 50 | 15600 | 524 |
| GW 10 890 | 50 | 14000 | 496 |
| GW 10 890 | 50 | 14000 | 524 |
| GW 10 893 | 50 | 15600 | 365 |
| GW 10 893 | 50 | 15600 | 435 |
| GW 10 894 | 50 | 15600 | 117 |
| GW 10 894 | 50 | 15600 | 165 |
| GW 10 894 | 50 | 15600 | 213 |
| GW 10 894 | 50 | 15600 | 228 |
| GW 10 894 | 50 | 15600 | 365 |
| GW 10 900 | 1 | 160 | 506 |
| GW 10 900 | 1 | 160 | 537 |
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| GW 10 906 | 1/12 | 1620 | 113 |
| GW 10 907 | 1/12 | 3240 | 111 |
| GW 10 907 | 1/12 | 3240 | 159 |
| GW 10 907 | 1/12 | 3240 | 207 |
| GW 10 908 | 1/12 | 1620 | 111 |
| GW 10 908 | 1/12 | 1620 | 159 |
| GW 10 908 | 1/12 | 1620 | 207 |
| GW 10 909 | 1/12 | 3240 | 111 |
| GW 10 909 | 1/12 | 3240 | 159 |
| GW 10 909 | 1/12 | 3240 | 207 |
| GW 10 912 | 1/12 | 720 | 110 |
| GW 10 913 | 1/12 | 1152 | 110 |
| GW 10 913 | 1/12 | 1152 | 499 |
| GW 10 913 | 1/12 | 1152 | 528 |
| GW 10 914 | 1/12 | 2112 | 110 |
| GW 10 914 | 1/12 | 2112 | 499 |
| GW 10 914 | 1/12 | 2112 | 528 |
| GW 10 915 | 1/12 | 0 | 110 |
| GW 10 915 | 1/12 | 0 | 499 |

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| GW 10 916 | 1/12 | 2400 | 110 |
| GW 10 916 | 1/12 | 2400 | 499 |
| GW 10 916 | 1/12 | 2400 | 528 |
| GW 10 917 | 1/6 | 1200 | 110 |
| GW 10 917 | 1/6 | 1200 | 499 |
| GW 10 917 | 1/6 | 1200 | 528 |
| GW 10 918 | 1/6 | 1200 | 110 |
| GW 10 918 | 1/6 | 1200 | 499 |
| GW 10 918 | 1/6 | 1200 | 528 |
| GW 10 961 WH | 1 | 72 | 493 |
| GW 10 961 WH | 1 | 72 | 518 |
| GW 10 962 WH | 1 | 72 | 493 |
| GW 10 962 WH | 1 | 72 | 518 |
| GW 10 962 WH | 1 | 72 | 567 |

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| GW 11 001 | 12/96 | 9216 | 217 |
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| GW 11 032 | 6/24 | 1872 | 217 |
| GW 11 033 | 6/24 | 1872 | 217 |
| GW 11 039 | 1/6 | 960 | 219 |
| GW 11 051 | 12/96 | 4608 | 217 |
| GW 11 052 | 12/24 | 3840 | 217 |
| GW 11 053 | 12/24 | 3840 | 217 |
| GW 11 071 | 6/24 | 1872 | 217 |
| GW 11 072 | 6/24 | 1872 | 217 |
| GW 11 073 | 6/24 | 1872 | 217 |
| GW 11 091 | 12/48 | 3744 | 218 |
| GW 11 092 | 12/24 | 3936 | 218 |
| GW 11 101 | 6/12 | 1968 | 218 |
| GW 11 102 | 6/12 | 1968 | 218 |
| GW 11 121 | 12/24 | 3840 | 218 |
| GW 11 123 | 6/24 | 0 | 218 |
| GW 11 131 | 12/96 | 4608 | 218 |
| GW 11 132 | 12/24 | 3840 | 218 |
| GW 11 133 | 12/24 | 3840 | 218 |
| GW 11 136 | 1/12 | 1920 | 218 |
| GW 11 140 | 12/24 | 3840 | 218 |
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| GW 11 171 | 6/24 | 1872 | 218 |
| GW 11 172 | 6/24 | 1872 | 218 |
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| GW 11 195 | 10/200 | 18000 | 220 |
| GW 11 196 | 1/48 | 3072 | 220 |
| GW 11 197 | 4/48 | 7488 | 220 |
| GW 11 198 | 1/48 | 3072 | 220 |
| GW 11 203 | 12/96 | 2400 | 221 |
| GW 11 241 | 6/48 | 3600 | 221 |
| GW 11 242 | 6/48 | 3600 | 221 |
| GW 11 246 | 1/24 | 2304 | 221 |
| GW 11 247 | 6/48 | 1200 | 221 |
| GW 11 287 | 12/48 | 7488 | 222 |
| GW 11 288 | 12/48 | 3744 | 222 |
| GW 11 331 | 1/2 | 160 | 222 |
| GW 11 361 | 1/48 | 3072 | 223 |
| GW 11 371 | 1/48 | 3072 | 223 |
| GW 11 381 | 1/24 | 1536 | 223 |
| GW 11 382 | 1/24 | 1536 | 223 |
| GW 11 383 | 1/24 | 1536 | 223 |
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| GW 11 423 | 1/24 | 2304 | 224 |
| GW 11 424 | 1/24 | 1536 | 224 |
| GW 11 431 | 1/48 | 3072 | 224 |
| GW 11 564 | 1/12 | 1920 | 227 |
| GW 11 566 | 1/12 | 0 | 227 |
| GW 11 567 | 1/12 | 1920 | 227 |
| GW 11 573 | 1/6 | 702 | 227 |
| GW 11 602 | 1/24 | 2784 | 226 |
| GW 11 607 | 1/24 | 2784 | 226 |
| GW 11 622 | 1/24 | 3840 | 225 |
| GW 11 623 | 1/24 | 3840 | 225 |
| GW 11 629 | 1/24 | 3840 | 225 |
| GW 11 662 | 1/12 | 1920 | 225 |
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| GW 12 002 | 12/24 | 6720 | 124 |
| GW 12 003 | 12/24 | 7728 | 124 |
| GW 12 004 | 12/48 | 7488 | 124 |
| GW 12 005 | 12/24 | 4416 | 124 |
| GW 12 006 | 1/12 | 3276 | 124 |
| GW 12 007 | 12/24 | 4416 | 124 |
| GW 12 008 M | 10/100 | 1200 | 269 |
| GW 12 009 M | 10/100 | 1200 | 269 |
| GW 12 010 CB | 1 | 12 | 518 |
| GW 12 010 CB | 1 | 12 | 569 |
| GW 12 010 CN | 1 | 12 | 518 |
| GW 12 010 CN | 1 | 12 | 569 |
| GW 12 011 M | 10/100 | 900 | 269 |
| GW 12 012 | 1/100 | 1200 | 269 |
| GW 12 015 CB | 1 | 12 | 518 |
| GW 12 015 CB | 1 | 12 | 569 |
| GW 12 015 CN | 1 | 12 | 518 |
| GW 12 015 CN | 1 | 12 | 569 |
| GW 12 021 | 6/24 | 8448 | 124 |
| GW 12 022 | 6/24 | 6336 | 124 |
| GW 12 031 | 6/24 | 3744 | 124 |
| GW 12 031 F | 6/24 | 1152 | 127 |
| GW 12 032 | 6/24 | 4032 | 124 |
| GW 12 032 F | 6/24 | 1152 | 127 |
| GW 12 033 | 6/24 | 2304 | 124 |
| GW 12 033 F | 6/24 | 1728 | 127 |
| GW 12 034 | 6/24 | 1728 | 124 |
| GW 12 034 F | 6/24 | 1152 | 127 |
| GW 12 035 | 6/24 | 2304 | 124 |
| GW 12 035 F | 6/24 | 1728 | 127 |
| GW 12 038 | 1/100 | 1200 | 269 |
| GW 12 039 | 1/6 | 1680 | 130 |
| GW 12 041 | 4/12 | 936 | 124 |
| GW 12 042 | 4/12 | 1584 | 124 |
| GW 12 043 | 4/12 | 1584 | 124 |
| GW 12 044 | 1/16 | 0 | 285 |
| GW 12 045 M | 10/100 | 900 | 269 |
| GW 12 051 | 12/96 | 9216 | 125 |
| GW 12 052 | 12/24 | 7728 | 125 |
| GW 12 053 | 12/24 | 4416 | 125 |
| GW 12 054 | 1/12 | 2340 | 125 |
| GW 12 056 | 1/100 | 1200 | 270 |
| GW 12 061 | 6/24 | 6336 | 125 |
| GW 12 071 | 6/24 | 4032 | 125 |
| GW 12 071 F | 6/24 | 2880 | 127 |

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| GW 12 072 F | 6/24 | 1152 | 127 |
| GW 12 073 | 6/24 | 2304 | 125 |
| GW 12 073 F | 6/24 | 1728 | 127 |
| GW 12 075 | 1/100 | 1200 | 270 |
| GW 12 078 F | 6/24 | 1728 | 128 |
| GW 12 081 | 4/12 | 1584 | 125 |
| GW 12 082 | 4/12 | 1584 | 125 |
| GW 12 083 | 4/12 | 1584 | 125 |
| GW 12 085 M | 10/100 | 900 | 270 |
| GW 12 091 | 12/48 | 7488 | 125 |
| GW 12 092 | 12/24 | 2952 | 125 |
| GW 12 093 | 12/24 | 4416 | 125 |
| GW 12 101 | 6/12 | 3312 | 125 |
| GW 12 101 F | 6/12 | 1620 | 127 |
| GW 12 102 | 6/12 | 2208 | 125 |
| GW 12 102 F | 6/12 | 1620 | 127 |
| GW 12 103 | 6/12 | 2208 | 125 |
| GW 12 103 F | 6/12 | 1620 | 127 |
| GW 12 111 | 4/12 | 1104 | 125 |
| GW 12 112 | 4/12 | 1104 | 125 |
| GW 12 113 | 4/12 | 1104 | 125 |
| GW 12 121 | 12/24 | 5400 | 125 |
| GW 12 122 | 12/24 | 2952 | 125 |
| GW 12 123 | 6/24 | 0 | 125 |
| GW 12 131 | 12/96 | 9216 | 126 |
| GW 12 132 | 12/24 | 7728 | 126 |
| GW 12 133 | 12/24 | 6720 | 126 |
| GW 12 134 | 12/24 | 4416 | 126 |
| GW 12 135 | 12/24 | 4416 | 126 |
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| GW 12 137 | 12/24 | 2808 | 126 |
| GW 12 138 | 12/24 | 3240 | 126 |
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| GW 12 141 | 12/24 | 5904 | 126 |
| GW 12 142 | 12/24 | 3240 | 126 |
| GW 12 143 | 12/24 | 3240 | 126 |
| GW 12 144 | 12/24 | 3240 | 126 |
| GW 12 145 | 1/12 | 2340 | 126 |
| GW 12 151 | 12/24 | 4416 | 126 |
| GW 12 152 | 12/24 | 4416 | 126 |
| GW 12 153 | 12/24 | 5760 | 126 |
| GW 12 159 F | 6/24 | 1728 | 128 |
| GW 12 160 F | 6/24 | 1344 | 128 |
| GW 12 161 | 6/24 | 8448 | 126 |
| GW 12 162 | 6/24 | 6336 | 126 |
| GW 12 171 | 6/24 | 2304 | 126 |
| GW 12 171 F | 6/24 | 1152 | 128 |
| GW 12 172 | 6/24 | 2304 | 126 |
| GW 12 172 F | 6/24 | 2304 | 128 |
| GW 12 173 | 6/24 | 2304 | 126 |
| GW 12 173 F | 6/24 | 1152 | 128 |
| GW 12 181 | 4/12 | 1584 | 126 |
| GW 12 182 | 4/12 | 1584 | 126 |
| GW 12 183 | 4/12 | 1584 | 126 |
| GW 12 191 | 6/24 | 2304 | 126 |
| GW 12 192 | 4/16 | 1920 | 126 |
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| GW 12 195 | 10/200 | 18000 | 131 |
| GW 12 196 | 1/48 | 3456 | 131 |
| GW 12 197 | 4/48 | 14976 | 131 |
| GW 12 198 | 1/48 | 3072 | 131 |
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| GW 12 203 | 12/96 | 7200 | 133 |
| GW 12 204 | 6/48 | 3600 | 133 |
| GW 12 205 | 6/48 | 3600 | 133 |
| GW 12 208 | 6/24 | 1728 | 133 |
| GW 12 209 | 4/12 | 1104 | 133 |
| GW 12 241 | 6/48 | 3600 | 135 |
| GW 12 241 F | 6/12 | 1620 | 136 |
| GW 12 242 | 6/48 | 2400 | 135 |
| GW 12 246 | 1/24 | 2304 | 137 |
| GW 12 247 | 6/48 | 3600 | 137 |
| GW 12 247 F | 6/12 | 1620 | 137 |
| GW 12 248 | 6/12 | 1620 | 137 |
| GW 12 281 | 1/24 | 2016 | 138 |
| GW 12 282 | 1/48 | 3072 | 138 |
| GW 12 286 | 12/48 | 4608 | 139 |
| GW 12 287 | 12/48 | 7488 | 139 |
| GW 12 288 | 12/48 | 3744 | 139 |
| GW 12 296 | 6/48 | 1200 | 139 |
| GW 12 297 | 6/48 | 1200 | 139 |
| GW 12 298 | 6/48 | 1200 | 139 |
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| GW 12 301 | 6/48 | 1200 | 140 |
| GW 12 306 | 6/48 | 1200 | 140 |
| GW 12 307 | 6/48 | 1200 | 140 |
| GW 12 310 | 10/40 | 6720 | 140 |
| GW 12 311 | 1/6 | 1170 | 141 |
| GW 12 312 | 1/4 | 880 | 141 |
| GW 12 321 | 1/4 | 352 | 141 |
| GW 12 322 | 1/2 | 246 | 141 |
| GW 12 331 | 1/2 | 288 | 141 |
| GW 12 332 | 4/16 | 0 | 285 |
| GW 12 336 M | 10/100 | 1200 | 270 |
| GW 12 337 M | 10/100 | 1200 | 270 |
| GW 12 338 M | 5/50 | 900 | 270 |
| GW 12 339 M | 5/50 | 900 | 270 |
| GW 12 341 | 6/12 | 3240 | 135 |
| GW 12 361 | 1/48 | 4608 | 142 |
| GW 12 362 | 1/24 | 4320 | 142 |
| GW 12 363 | 1/24 | 3240 | 142 |
| GW 12 364 | 1/24 | 3240 | 142 |
| GW 12 367 | 1/24 | 1536 | 142 |
| GW 12 371 | 1/48 | 4608 | 142 |
| GW 12 372 | 1/24 | 3240 | 142 |
| GW 12 373 | 1/24 | 3240 | 142 |
| GW 12 374 | 1/24 | 3240 | 142 |
| GW 12 377 | 1/24 | 1536 | 143 |
| GW 12 381 | 1/24 | 1728 | 142 |
| GW 12 382 | 1/24 | 1728 | 142 |
| GW 12 383 | 1/24 | 1728 | 142 |
| GW 12 386 | 1/24 | 2304 | 143 |
| GW 12 387 | 1/24 | 1536 | 143 |
| GW 12 391 | 6/48 | 1440 | 140 |
| GW 12 392 | 6/48 | 2400 | 140 |
| GW 12 401 | 1/24 | 2304 | 144 |
| GW 12 402 | 1/24 | 2880 | 144 |
| GW 12 403 | 1/24 | 3240 | 144 |
| GW 12 405 | 1/24 | 3240 | 144 |
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| GW 12 421 | 1/24 | 2304 | 146 |
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| GW 12 431 | 1/48 | 4608 | 146 |
| GW 12 433 | 4/100 | 3000 | 146 |
| GW 12 434 | 1/24 | 1536 | 146 |
| GW 12 435 | 1/24 | 1536 | 146 |
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| GW 12 437 | 1/24 | 1536 | 146 |
| GW 12 438 | ① | 0 | 146 |
| GW 12 441 | 1/12 | 2112 | 148 |
| GW 12 442 | 1/12 | 2112 | 148 |
| GW 12 443 | 1/16 | 1152 | 148 |
| GW 12 446 | 1/12 | 3168 | 148 |
| GW 12 450 | 1/10 | 7200 | 149 |
| GW 12 451 | 12/24 | 3240 | 148 |
| GW 12 452 | 12/24 | 3240 | 148 |
| GW 12 453 | 1/24 | 3480 | 148 |
| GW 12 454 | 1/24 | 3240 | 148 |
| GW 12 458 | 1/24 | 1536 | 148 |
| GW 12 459 | 1/24 | 1536 | 149 |
| GW 12 461 | 1/12 | 3168 | 150 |
| GW 12 462 | 1/12 | 3168 | 150 |
| GW 12 463 | 1/12 | 3168 | 150 |
| GW 12 466 | 1/12 | 3168 | 150 |
| GW 12 467 | 1/12 | 1056 | 150 |
| GW 12 468 | 1/12 | 1056 | 150 |
| GW 12 482 | 1/6 | 1104 | 150 |
| GW 12 483 | 1/6 | 1104 | 150 |
| GW 12 485 | 1/6 | 1104 | 150 |
| GW 12 486 | 1/6 | 1104 | 150 |
| GW 12 488 | 1/6 | 1104 | 150 |
| GW 12 489 | 1/6 | 1104 | 150 |
| GW 12 491 | 1/12 | 2640 | 150 |
| GW 12 492 | 1/12 | 2340 | 150 |
| GW 12 541 | 4/48 | 17280 | 129 |
| GW 12 542 | 4/48 | 17280 | 129 |
| GW 12 543 | 4/48 | 17280 | 129 |
| GW 12 544 | 4/48 | 17280 | 129 |
| GW 12 545 | 4/48 | 17280 | 129 |
| GW 12 546 | 4/48 | 17280 | 129 |
| GW 12 551 | 4/48 | 0 | 498 |
| GW 12 551 | 4/48 | 0 | 526 |
| GW 12 552 | 4/48 | 0 | 498 |
| GW 12 552 | 4/48 | 0 | 526 |
| GW 12 553 | 4/48 | 0 | 498 |
| GW 12 553 | 4/48 | 0 | 526 |
| GW 12 554 | 4/48 | 0 | 498 |
| GW 12 554 | 4/48 | 0 | 526 |
| GW 12 557 | 4/48 | 0 | 498 |
| GW 12 557 | 4/48 | 0 | 526 |
| GW 12 561 | 1/12 | 2340 | 156 |
| GW 12 564 | 1/12 | 2808 | 156 |
| GW 12 566 | 1/12 | 0 | 156 |
| GW 12 567 | 1/12 | 2340 | 156 |
| GW 12 568 | 1/12 | 3276 | 157 |
| GW 12 572 | 1/12 | 1440 | 156 |
| GW 12 573 | 1/6 | 720 | 156 |
| GW 12 574 | 1/12 | 2340 | 157 |
| GW 12 581 | 1/2 | 144 | 154 |
| GW 12 582 | 1/2 | 246 | 154 |
| GW 12 583 | 1/2 | 450 | 154 |
| GW 12 591 | 1/4 | 1404 | 131 |
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| GW 12 596 | 1/2 | 288 | 132 |
| GW 12 596 | 1/2 | 288 | 180 |
| GW 12 597 | 1/4 | 780 | 132 |
| GW 12 601 | 1/24 | 5400 | 153 |
| GW 12 602 | 1/24 | 4872 | 153 |
| GW 12 606 | 1/24 | 5400 | 153 |
| GW 12 607 | 1/24 | 4320 | 153 |
| GW 12 611 | 1/6 | 1584 | 153 |
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| GW 12 621 | 1/24 | 4224 | 151 |
| GW 12 622 | 1/24 | 4224 | 151 |
| GW 12 623 | 1/24 | 4224 | 151 |
| GW 12 624 | 1/24 | 4224 | 151 |
| GW 12 628 | 1/24 | 4224 | 151 |
| GW 12 629 | 1/24 | 4224 | 151 |
| GW 12 631 | 1/24 | 1152 | 151 |
| GW 12 632 | 1/24 | 1728 | 151 |
| GW 12 633 | 1/24 | 1152 | 151 |
| GW 12 634 | 1/24 | 1152 | 151 |
| GW 12 641 | 2/48 | 8448 | 151 |
| GW 12 642 | 2/48 | 8448 | 151 |
| GW 12 643 | 2/48 | 8448 | 151 |
| GW 12 644 | 2/48 | 8448 | 151 |
| GW 12 651 | 1/24 | 2880 | 152 |
| GW 12 656 | 1/2 | 440 | 152 |
| GW 12 661 | 1/6 | 1932 | 152 |
| GW 12 662 | 1/12 | 2808 | 152 |
| GW 12 663 | 1/6 | 1170 | 152 |
| GW 12 666 | 1/2 | 288 | 152 |
| GW 12 681 | 1 | 195 | 540 |
| GW 12 682 | 1 | 195 | 540 |
| GW 12 683 | 1 | 128 | 540 |
| GW 12 691 | 1 | 512 | 520 |
| GW 12 692 | 1 | 0 | 520 |
| GW 12 693 | 1 | 256 | 520 |
| GW 12 703 | 1/2 | 288 | 155 |
| GW 12 705 | 1/2 | 312 | 155 |
| GW 12 708 | 1/2 | 288 | 154 |
| GW 12 711 | 1/2 | 288 | 162 |
| GW 12 712 | 1/2 | 144 | 162 |
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| GW 12 718 | 1/2 | 624 | 162 |
| GW 12 718 | 1/2 | 624 | 210 |
| GW 12 721 | 1/12 | 2340 | 132 |
| GW 12 723 | 1/12 | 2340 | 132 |
| GW 12 724 | 1/12 | 2340 | 132 |
| GW 12 726 | 1/12 | 2340 | 132 |
| GW 12 750 | 1/12 | 0 | 163 |
| GW 12 750 | 1/12 | 0 | 731 |
| GW 12 751 | 5/200 | 10800 | 496 |
| GW 12 751 | 5/200 | 10800 | 524 |
| GW 12 752 | 1 | 195 | 499 |
| GW 12 753 A | 1 | 0 | 497 |
| GW 12 754 A | 1 | 0 | 497 |
| GW 12 755 A | 1 | 0 | 497 |
| GW 12 756 | 1 | 195 | 501 |
| GW 12 757 | 1 | 0 | 497 |
| GW 12 762 H | 1 | 195 | 506 |
| GW 12 762 H | 1 | 195 | 537 |
| GW 12 764 H | 1 | 117 | 505 |
| GW 12 765 H | 1 | 117 | 505 |
| GW 12 766 | 1 | 351 | 502 |

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| | Pack/carton | Pallet | |
| GW 12 767 | 1 | 195 | 503 |
| GW 12 769 | 1 | 156 | 505 |
| GW 12 769 H | 1 | 160 | 505 |
| GW 12 770 | 1 | 195 | 575 |
| GW 12 776 | 1 | 195 | 476 |
| GW 12 776 | 1 | 195 | 500 |
| GW 12 782 | 1 | 195 | 527 |
| GW 12 783 A | 1 | 0 | 525 |
| GW 12 784 A | 1 | 0 | 525 |
| GW 12 785 A | 1 | 0 | 525 |
| GW 12 786 | 1 | 195 | 529 |
| GW 12 787 | 1 | 0 | 525 |
| GW 12 794 H | 1 | 117 | 536 |
| GW 12 795 H | 1 | 117 | 536 |
| GW 12 796 | 1 | 195 | 531 |
| GW 12 797 | 1 | 195 | 532 |
| GW 12 798 | 1 | 195 | 476 |
| GW 12 798 | 1 | 195 | 528 |
| GW 12 799 | 1 | 195 | 536 |
| GW 12 799 H | 1 | 200 | 536 |
| GW 12 801 | 1 | 195 | 472 |
| GW 12 802 | 1 | 351 | 472 |
| GW 12 803 | 1 | 312 | 472 |
| GW 12 804 | 1 | 351 | 472 |
| GW 12 806 | 1 | 195 | 472 |
| GW 12 807 | 1 | 351 | 472 |
| GW 12 808 | 1 | 312 | 472 |
| GW 12 809 | 1 | 195 | 472 |
| GW 12 811 | 1 | 351 | 474 |
| GW 12 813 | 1 | 360 | 473 |
| GW 12 816 | 1 | 195 | 474 |
| GW 12 821 | 1 | 576 | 475 |
| GW 12 822 | 1 | 195 | 475 |
| GW 12 823 | 1 | 195 | 475 |
| GW 12 831 | 1 | 360 | 476 |
| GW 12 900 | 1 | 160 | 506 |
| GW 12 900 | 1 | 160 | 537 |
| GW 12 904 | 1/12 | 1620 | 161 |
| GW 12 905 | 1/12 | 1620 | 161 |
| GW 12 906 | 1/12 | 1620 | 161 |
| GW 12 912 | 1/12 | 720 | 158 |
| GW 12 913 | 1/12 | 720 | 158 |
| GW 12 913 | 1/12 | 720 | 499 |
| GW 12 913 | 1/12 | 720 | 528 |
| GW 12 914 | 1/12 | 2112 | 158 |
| GW 12 914 | 1/12 | 2112 | 499 |
| GW 12 914 | 1/12 | 2112 | 528 |
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| GW 12 915 | 1/12 | 2340 | 499 |
| GW 12 915 | 1/12 | 2340 | 528 |
| GW 12 916 | 1/12 | 2400 | 158 |
| GW 12 916 | 1/12 | 2400 | 499 |
| GW 12 916 | 1/12 | 2400 | 528 |
| GW 12 917 | 1/6 | 1200 | 158 |
| GW 12 917 | 1/6 | 1200 | 499 |
| GW 12 917 | 1/6 | 1200 | 528 |
| GW 12 918 | 1/6 | 1200 | 158 |
| GW 12 918 | 1/6 | 1200 | 499 |
| GW 12 918 | 1/6 | 1200 | 528 |
| GW 12 961 BK | 1 | 36 | 493 |
| GW 12 961 BK | 1 | 36 | 518 |
| GW 12 962 BK | 1 | 72 | 493 |
| GW 12 962 BK | 1 | 72 | 518 |
| GW 12 962 BK | 1 | 72 | 567 |

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| GW 14 006 | 1/12 | 2340 | 172 |
| GW 14 007 | 12/24 | 4416 | 172 |
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| GW 14 009 M | 10/100 | 1200 | 271 |
| GW 14 011 M | 10/100 | 900 | 271 |
| GW 14 012 | 1/100 | 1200 | 271 |
| GW 14 021 | 6/24 | 8448 | 172 |
| GW 14 022 | 6/24 | 6336 | 172 |
| GW 14 031 | 6/24 | 4032 | 172 |
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| GW 14 032 | 6/24 | 1872 | 172 |
| GW 14 032 F | 6/24 | 1152 | 175 |
| GW 14 033 | 6/24 | 2304 | 172 |
| GW 14 033 F | 6/24 | 1728 | 175 |
| GW 14 034 | 6/24 | 1728 | 172 |
| GW 14 034 F | 6/24 | 1728 | 175 |
| GW 14 035 | 6/24 | 2304 | 172 |
| GW 14 035 F | 6/24 | 1728 | 175 |
| GW 14 038 | 1/100 | 1200 | 271 |
| GW 14 039 | 1/6 | 1872 | 178 |
| GW 14 041 | 4/12 | 1584 | 172 |
| GW 14 042 | 4/12 | 1584 | 172 |
| GW 14 043 | 4/12 | 1584 | 172 |
| GW 14 044 | 1/16 | 0 | 286 |
| GW 14 045 M | 10/100 | 900 | 271 |
| GW 14 051 | 12/96 | 9216 | 173 |
| GW 14 052 | 12/24 | 7728 | 173 |
| GW 14 053 | 12/24 | 4416 | 173 |
| GW 14 054 | 1/12 | 2340 | 173 |
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| GW 14 061 | 6/24 | 6336 | 173 |
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| GW 14 072 F | 6/24 | 1152 | 175 |
| GW 14 073 | 6/24 | 2304 | 173 |
| GW 14 073 F | 6/24 | 1728 | 175 |
| GW 14 075 | 1/100 | 1200 | 272 |
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| GW 14 081 | 4/12 | 1584 | 173 |
| GW 14 082 | 4/12 | 1584 | 173 |
| GW 14 083 | 4/12 | 1584 | 173 |
| GW 14 085 M | 10/100 | 900 | 272 |
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| GW 14 092 | 12/24 | 3312 | 173 |
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| GW 14 101 F | 6/12 | 1620 | 175 |
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| GW 14 133 | 12/24 | 7728 | 174 |
| GW 14 134 | 12/24 | 4416 | 174 |
| GW 14 135 | 12/24 | 2952 | 174 |
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| GW 14 138 | 12/24 | 3240 | 174 |
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| GW 14 141 | 12/24 | 5400 | 174 |
| GW 14 142 | 12/24 | 3240 | 174 |
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| GW 14 144 | 12/24 | 3240 | 174 |
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| GW 14 159 F | 6/24 | 1728 | 176 |
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| GW 14 161 | 6/24 | 6336 | 174 |
| GW 14 162 | 6/24 | 6336 | 174 |
| GW 14 171 | 6/24 | 4032 | 174 |
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| GW 14 172 | 6/24 | 2304 | 174 |
| GW 14 172 F | 6/24 | 2304 | 176 |
| GW 14 173 | 6/24 | 2304 | 174 |
| GW 14 173 F | 6/24 | 1152 | 176 |
| GW 14 181 | 4/12 | 1584 | 174 |
| GW 14 182 | 4/12 | 1584 | 174 |
| GW 14 183 | 4/12 | 1584 | 174 |
| GW 14 191 | 6/24 | 2304 | 174 |
| GW 14 192 | 4/16 | 1152 | 174 |
| GW 14 194 | 6/48 | 2400 | 179 |
| GW 14 195 | 10/200 | 18000 | 179 |
| GW 14 196 | 1/48 | 3456 | 179 |
| GW 14 197 | 4/48 | 28080 | 179 |
| GW 14 198 | 1/48 | 3456 | 179 |
| GW 14 199 | 1/48 | 2304 | 179 |
| GW 14 201 | 12/96 | 7200 | 181 |
| GW 14 203 | 12/96 | 7200 | 181 |
| GW 14 204 | 6/48 | 3600 | 181 |
| GW 14 205 | 6/48 | 3600 | 181 |
| GW 14 208 | 6/24 | 2304 | 181 |
| GW 14 209 | 4/12 | 1104 | 181 |
| GW 14 241 | 6/48 | 3600 | 183 |
| GW 14 241 F | 6/12 | 1620 | 184 |
| GW 14 242 | 6/48 | 3600 | 183 |
| GW 14 246 | 1/24 | 2304 | 185 |
| GW 14 247 | 6/48 | 3600 | 185 |
| GW 14 247 F | 6/12 | 1620 | 185 |
| GW 14 248 | 6/12 | 2700 | 185 |
| GW 14 281 | 1/24 | 1536 | 186 |
| GW 14 282 | 1/48 | 2688 | 186 |
| GW 14 286 | 12/48 | 4608 | 187 |
| GW 14 287 | 12/48 | 7680 | 187 |
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| GW 14 297 | 6/48 | 1200 | 187 |
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| GW 14 322 | 1/2 | 246 | 189 |
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| GW 14 332 | 4/16 | 0 | 286 |
| GW 14 336 M | 10/100 | 1200 | 272 |
| GW 14 337 M | 10/100 | 1200 | 272 |
| GW 14 338 M | 5/50 | 900 | 272 |
| GW 14 339 M | 5/50 | 450 | 272 |
| GW 14 341 | 6/12 | 3240 | 183 |
| GW 14 361 | 1/48 | 5760 | 190 |
| GW 14 362 | 1/24 | 4320 | 190 |
| GW 14 363 | 1/24 | 3240 | 190 |
| GW 14 364 | 1/24 | 3240 | 190 |
| GW 14 367 | 1/24 | 1536 | 190 |
| GW 14 371 | 1/48 | 4608 | 190 |
| GW 14 372 | 1/24 | 3240 | 190 |
| GW 14 373 | 1/24 | 3240 | 190 |
| GW 14 374 | 1/24 | 3240 | 190 |
| GW 14 377 | 1/24 | 1536 | 191 |
| GW 14 381 | 1/24 | 1152 | 190 |
| GW 14 382 | 1/24 | 1728 | 190 |
| GW 14 383 | 1/24 | 1536 | 190 |
| GW 14 386 | 1/24 | 2304 | 191 |
| GW 14 387 | 1/24 | 1536 | 191 |
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| GW 14 392 | 6/48 | 2400 | 188 |
| GW 14 401 | 1/24 | 2304 | 192 |
| GW 14 402 | 1/24 | 2880 | 192 |
| GW 14 403 | 1/24 | 3240 | 192 |
| GW 14 405 | 1/24 | 3240 | 192 |
| GW 14 406 | 1/24 | 3240 | 193 |
| GW 14 409 | 1/24 | 1536 | 192 |
| GW 14 410 | 1/24 | 1152 | 192 |
| GW 14 421 | 1/24 | 2304 | 194 |
| GW 14 422 | 1/24 | 1728 | 194 |
| GW 14 423 | 1/24 | 2880 | 194 |
| GW 14 424 | 1/24 | 1152 | 194 |
| GW 14 425 | 1/24 | 3240 | 195 |
| GW 14 426 | 1/24 | 3240 | 195 |
| GW 14 431 | 1/48 | 4608 | 194 |
| GW 14 433 | 4/100 | 3000 | 194 |
| GW 14 434 | 1/24 | 1536 | 194 |
| GW 14 435 | 1/24 | 1536 | 194 |
| GW 14 436 | 1/24 | 1536 | 194 |
| GW 14 437 | 1/24 | 1536 | 194 |
| GW 14 438 ① | 1/48 | 0 | 194 |
| GW 14 441 | 1/12 | 2112 | 196 |
| GW 14 442 | 1/12 | 2112 | 196 |
| GW 14 443 | 1/16 | 1152 | 196 |
| GW 14 446 | 1/12 | 3168 | 196 |
| GW 14 450 | 1/10 | 7200 | 197 |
| GW 14 451 | 12/24 | 3240 | 196 |
| GW 14 452 | 12/24 | 3240 | 196 |
| GW 14 453 | 1/24 | 3240 | 196 |
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| GW 14 462 | 1/12 | 3168 | 198 |
| GW 14 463 | 1/12 | 3168 | 198 |
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| GW 14 468 | 1/12 | 1056 | 198 |
| GW 14 482 | 1/6 | 1104 | 198 |
| GW 14 483 | 1/6 | 1104 | 198 |
| GW 14 485 | 1/6 | 1104 | 198 |
| GW 14 486 | 1/6 | 1104 | 198 |
| GW 14 488 | 1/6 | 1104 | 198 |
| GW 14 489 | 1/6 | 1104 | 198 |
| GW 14 491 | 1/12 | 2640 | 198 |
| GW 14 492 | 1/12 | 2340 | 198 |
| GW 14 541 | 4/48 | 17280 | 177 |
| GW 14 542 | 4/48 | 17280 | 177 |
| GW 14 543 | 4/48 | 17280 | 177 |
| GW 14 544 | 4/48 | 17280 | 177 |
| GW 14 545 | 4/48 | 17280 | 177 |
| GW 14 546 | 4/48 | 17280 | 177 |
| GW 14 551 | 4/48 | 0 | 498 |
| GW 14 551 | 4/48 | 0 | 526 |
| GW 14 552 | 4/48 | 0 | 498 |
| GW 14 552 | 4/48 | 0 | 526 |
| GW 14 553 | 4/48 | 0 | 498 |
| GW 14 553 | 4/48 | 0 | 526 |
| GW 14 554 | 4/48 | 0 | 498 |
| GW 14 554 | 4/48 | 0 | 526 |
| GW 14 557 | 4/48 | 0 | 498 |
| GW 14 557 | 4/48 | 0 | 526 |
| GW 14 561 | 1/12 | 1872 | 204 |
| GW 14 564 | 1/12 | 2808 | 204 |
| GW 14 566 | 1/12 | 0 | 204 |
| GW 14 567 | 1/12 | 2340 | 204 |
| GW 14 568 | 1/12 | 3276 | 205 |
| GW 14 572 | 1/12 | 1440 | 204 |
| GW 14 573 | 1/6 | 720 | 204 |
| GW 14 574 | 1/12 | 2340 | 205 |
| GW 14 581 | 1/2 | 288 | 202 |
| GW 14 582 | 1/2 | 410 | 202 |
| GW 14 583 | 1/2 | 450 | 202 |
| GW 14 591 | 1/4 | 1404 | 179 |
| GW 14 592 | 1/2 | 546 | 179 |
| GW 14 597 | 1/4 | 780 | 180 |
| GW 14 601 | 1/24 | 5400 | 201 |
| GW 14 602 | 1/24 | 5400 | 201 |
| GW 14 606 | 1/24 | 5400 | 201 |
| GW 14 607 | 1/24 | 4320 | 201 |
| GW 14 611 | 1/6 | 1584 | 201 |
| GW 14 612 | 1/6 | 1584 | 201 |
| GW 14 621 | 1/24 | 4224 | 199 |
| GW 14 622 | 1/24 | 4224 | 199 |
| GW 14 623 | 1/24 | 4224 | 199 |
| GW 14 624 | 1/24 | 4224 | 199 |
| GW 14 628 | 1/24 | 4224 | 199 |
| GW 14 629 | 1/24 | 4224 | 199 |
| GW 14 631 | 1/24 | 1152 | 199 |
| GW 14 632 | 1/24 | 1152 | 199 |
| GW 14 633 | 1/24 | 1152 | 199 |
| GW 14 634 | 1/24 | 1152 | 199 |
| GW 14 641 | 2/48 | 8448 | 199 |
| GW 14 642 | 2/48 | 8448 | 199 |
| GW 14 643 | 2/48 | 8448 | 199 |
| GW 14 644 | 2/48 | 8448 | 199 |
| GW 14 651 | 1/24 | 2880 | 200 |
| GW 14 656 | 1/2 | 264 | 200 |
| GW 14 661 | 1/6 | 1932 | 200 |
| GW 14 662 | 1/12 | 2808 | 200 |

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| GW 14 666 | 1/2 | 288 | 200 |
| GW 14 681 | 1 | 195 | 540 |
| GW 14 682 | 1 | 195 | 540 |
| GW 14 683 | 1 | 128 | 540 |
| GW 14 701 | 1/2 | 312 | 107 |
| GW 14 701 | 1/2 | 312 | 155 |
| GW 14 701 | 1/2 | 312 | 203 |
| GW 14 701 | 1/2 | 312 | 331 |
| GW 14 701 | 1/2 | 312 | 357 |
| GW 14 703 | 1/2 | 288 | 203 |
| GW 14 705 | 1/2 | 312 | 203 |
| GW 14 708 | 1/2 | 288 | 202 |
| GW 14 711 | 1/2 | 288 | 210 |
| GW 14 712 | 1/2 | 288 | 210 |
| GW 14 716 | 1/2 | 144 | 210 |
| GW 14 721 | 1/12 | 2340 | 180 |
| GW 14 723 | 1/12 | 2340 | 180 |
| GW 14 724 | 1/12 | 2340 | 180 |
| GW 14 726 | 1/12 | 2340 | 180 |
| GW 14 750 | 1/12 | 0 | 211 |
| GW 14 750 | 1/12 | 0 | 731 |
| GW 14 751 | 5/200 | 10800 | 496 |
| GW 14 751 | 5/200 | 10800 | 524 |
| GW 14 752 | 1 | 195 | 499 |
| GW 14 753 A | 1 | 0 | 497 |
| GW 14 754 A | 1 | 0 | 497 |
| GW 14 755 A | 1 | 0 | 497 |
| GW 14 756 | 1 | 195 | 501 |
| GW 14 757 | 1 | 0 | 497 |
| GW 14 761 | 1 | 195 | 507 |
| GW 14 762 H | 1 | 195 | 506 |
| GW 14 762 H | 1 | 195 | 537 |
| GW 14 763 | 1 | 195 | 507 |
| GW 14 764 H | 1 | 117 | 505 |
| GW 14 765 H | 1 | 117 | 505 |
| GW 14 766 | 1 | 195 | 502 |
| GW 14 767 | 1 | 312 | 503 |
| GW 14 769 | 1 | 351 | 505 |
| GW 14 769 H | 1 | 160 | 505 |
| GW 14 770 | 1 | 195 | 575 |
| GW 14 776 | 1 | 273 | 476 |
| GW 14 776 | 1 | 273 | 500 |
| GW 14 782 | 1 | 195 | 527 |
| GW 14 783 A | 1 | 0 | 525 |
| GW 14 784 A | 1 | 0 | 525 |
| GW 14 785 A | 1 | 0 | 525 |
| GW 14 786 | 1 | 195 | 529 |
| GW 14 787 | 1 | 0 | 525 |
| GW 14 791 | 1 | 195 | 538 |
| GW 14 793 | 1 | 195 | 538 |
| GW 14 794 H | 1 | 156 | 536 |
| GW 14 795 H | 1 | 156 | 536 |
| GW 14 796 | 1 | 195 | 531 |
| GW 14 797 | 1 | 351 | 532 |
| GW 14 798 | 1 | 195 | 476 |
| GW 14 798 | 1 | 195 | 528 |
| GW 14 799 | 1 | 312 | 536 |
| GW 14 799 H | 1 | 200 | 536 |
| GW 14 801 | 1 | 195 | 472 |
| GW 14 802 | 1 | 351 | 472 |
| GW 14 803 | 1 | 351 | 472 |
| GW 14 804 | 1 | 195 | 472 |
| GW 14 806 | 1 | 195 | 472 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 14 807 | 1 | 195 | 472 |
| GW 14 808 | 1 | 195 | 472 |
| GW 14 809 | 1 | 195 | 472 |
| GW 14 811 | 1 | 351 | 474 |
| GW 14 813 | 1 | 576 | 473 |
| GW 14 816 | 1 | 195 | 474 |
| GW 14 821 | 1 | 360 | 475 |
| GW 14 822 | 1 | 195 | 475 |
| GW 14 823 | 1 | 273 | 475 |
| GW 14 831 | 1 | 360 | 476 |
| GW 14 841 | 1 | 351 | 474 |
| GW 14 841 | 1 | 351 | 483 |
| GW 14 900 | 1 | 160 | 506 |
| GW 14 900 | 1 | 160 | 537 |
| GW 14 904 | 1/12 | 1620 | 209 |
| GW 14 905 | 1/12 | 1620 | 209 |
| GW 14 906 | 1/12 | 1620 | 209 |
| GW 14 912 | 1/12 | 720 | 206 |
| GW 14 913 | 1/12 | 4320 | 206 |
| GW 14 913 | 1/12 | 4320 | 499 |
| GW 14 913 | 1/12 | 4320 | 528 |
| GW 14 914 | 1/12 | 2112 | 206 |
| GW 14 914 | 1/12 | 2112 | 499 |
| GW 14 914 | 1/12 | 2112 | 528 |
| GW 14 915 | 1/12 | 2400 | 206 |
| GW 14 915 | 1/12 | 2400 | 499 |
| GW 14 915 | 1/12 | 2400 | 528 |
| GW 14 916 | 1/12 | 2400 | 206 |
| GW 14 916 | 1/12 | 2400 | 499 |
| GW 14 916 | 1/12 | 2400 | 528 |
| GW 14 917 | 1/6 | 1200 | 206 |
| GW 14 917 | 1/6 | 1200 | 499 |
| GW 14 917 | 1/6 | 1200 | 528 |
| GW 14 918 | 1/6 | 1200 | 206 |
| GW 14 918 | 1/6 | 1200 | 499 |
| GW 14 918 | 1/6 | 1200 | 528 |

| GW16 | | | |
|--------------|----|------|----|
| GW 16 101 MC | 12 | 960 | 45 |
| GW 16 101 MO | 12 | 960 | 45 |
| GW 16 101 TB | 96 | 2304 | 41 |
| GW 16 101 TC | 12 | 960 | 42 |
| GW 16 101 TI | 12 | 2304 | 41 |
| GW 16 101 TN | 12 | 1920 | 41 |
| GW 16 101 VA | 12 | 1872 | 44 |
| GW 16 101 VB | 12 | 1872 | 45 |
| GW 16 101 VR | 12 | 1872 | 45 |
| GW 16 101 VT | 12 | 1872 | 44 |
| GW 16 102 MC | 12 | 984 | 45 |
| GW 16 102 MO | 12 | 1476 | 45 |
| GW 16 102 TB | 96 | 5760 | 41 |
| GW 16 102 TC | 12 | 2460 | 42 |
| GW 16 102 TI | 12 | 1872 | 41 |
| GW 16 102 TN | 12 | 1440 | 41 |
| GW 16 102 VA | 12 | 2460 | 44 |
| GW 16 102 VB | 12 | 1476 | 45 |
| GW 16 102 VR | 12 | 1968 | 45 |
| GW 16 102 VT | 12 | 2460 | 44 |
| GW 16 103 MC | 12 | 2460 | 45 |
| GW 16 103 MO | 12 | 1872 | 45 |
| GW 16 103 TA | 24 | 2016 | 42 |
| GW 16 103 TB | 96 | 5760 | 41 |
| GW 16 103 TC | 24 | 2520 | 42 |
| GW 16 103 TI | 24 | 2016 | 41 |

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| | Pack/carton | Pallet | |
| GW 16 103 TL | 24 | 2016 | 43 |
| GW 16 103 TN | 24 | 1824 | 41 |
| GW 16 103 TO | 24 | 2016 | 42 |
| GW 16 103 TT | 24 | 2016 | 43 |
| GW 16 103 TZ | 24 | 2016 | 42 |
| GW 16 103 VA | 12 | 1872 | 44 |
| GW 16 103 VB | 24 | 2880 | 45 |
| GW 16 103 VN | 24 | 2016 | 44 |
| GW 16 103 VR | 24 | 2880 | 45 |
| GW 16 103 VT | 24 | 2016 | 44 |
| GW 16 104 MC | 12 | 1152 | 45 |
| GW 16 104 MO | 12 | 2304 | 45 |
| GW 16 104 TA | 12 | 1152 | 42 |
| GW 16 104 TB | 12 | 1920 | 41 |
| GW 16 104 TC | 12 | 1920 | 42 |
| GW 16 104 TI | 12 | 1920 | 41 |
| GW 16 104 TL | 12 | 1152 | 43 |
| GW 16 104 TN | 12 | 1920 | 41 |
| GW 16 104 TO | 12 | 1152 | 42 |
| GW 16 104 TT | 12 | 1152 | 43 |
| GW 16 104 TZ | 12 | 0 | 42 |
| GW 16 104 VA | 12 | 1920 | 44 |
| GW 16 104 VB | 12 | 1152 | 45 |
| GW 16 104 VN | 12 | 2304 | 44 |
| GW 16 104 VR | 12 | 2304 | 45 |
| GW 16 104 VT | 12 | 1920 | 44 |
| GW 16 106 MC | 6 | 576 | 45 |
| GW 16 106 MO | 6 | 1152 | 45 |
| GW 16 106 TB | 12 | 1152 | 41 |
| GW 16 106 TC | 6 | 1152 | 42 |
| GW 16 106 TI | 6 | 1152 | 41 |
| GW 16 106 TN | 6 | 1152 | 41 |
| GW 16 106 VA | 6 | 1152 | 44 |
| GW 16 106 VB | 6 | 576 | 45 |
| GW 16 106 VN | 6 | 576 | 44 |
| GW 16 106 VR | 6 | 1152 | 45 |
| GW 16 106 VT | 6 | 1152 | 44 |
| GW 16 108 TB | 6 | 936 | 41 |
| GW 16 108 VT | 6 | 936 | 44 |
| GW 16 112 TB | 6 | 576 | 41 |
| GW 16 112 VT | 6 | 960 | 44 |
| GW 16 122 MC | 12 | 2460 | 30 |
| GW 16 122 MO | 12 | 1476 | 30 |
| GW 16 122 TB | 12 | 1920 | 28 |
| GW 16 122 TC | 12 | 2460 | 29 |
| GW 16 122 TI | 12 | 2304 | 28 |
| GW 16 122 TN | 12 | 1920 | 28 |
| GW 16 122 VA | 12 | 1920 | 29 |
| GW 16 122 VB | 12 | 2460 | 30 |
| GW 16 122 VR | 12 | 1476 | 30 |
| GW 16 122 VT | 12 | 2304 | 29 |
| GW 16 123 MC | 6 | 1872 | 30 |
| GW 16 123 MO | 6 | 936 | 30 |
| GW 16 123 TB | 12 | 1920 | 28 |
| GW 16 123 TC | 12 | 1152 | 29 |
| GW 16 123 TI | 12 | 1152 | 28 |
| GW 16 123 TN | 12 | 1920 | 28 |
| GW 16 123 VA | 6 | 1872 | 29 |
| GW 16 123 VB | 12 | 768 | 30 |
| GW 16 123 VR | 12 | 1920 | 30 |
| GW 16 123 VT | 12 | 1872 | 29 |
| GW 16 124 MC | 6 | 1872 | 30 |
| GW 16 124 MO | 6 | 702 | 30 |
| GW 16 124 TB | 12 | 1920 | 28 |

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|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 16 124 TC | 12 | 1152 | 29 |
| GW 16 124 TI | 12 | 1152 | 28 |
| GW 16 124 TN | 12 | 1920 | 28 |
| GW 16 124 VA | 6 | 1872 | 29 |
| GW 16 124 VB | 12 | 768 | 30 |
| GW 16 124 VR | 12 | 768 | 30 |
| GW 16 124 VT | 12 | 1152 | 29 |
| GW 16 125 TB | 12 | 1920 | 28 |
| GW 16 126 MC | 6 | 900 | 30 |
| GW 16 126 MO | 6 | 720 | 30 |
| GW 16 126 TB | 6 | 900 | 28 |
| GW 16 126 TC | 6 | 486 | 29 |
| GW 16 126 TI | 6 | 648 | 28 |
| GW 16 126 TN | 6 | 900 | 28 |
| GW 16 126 VA | 6 | 486 | 29 |
| GW 16 126 VB | 6 | 900 | 30 |
| GW 16 126 VR | 6 | 900 | 30 |
| GW 16 126 VT | 6 | 1218 | 29 |
| GW 16 127 MC | 6 | 720 | 30 |
| GW 16 127 MO | 6 | 720 | 30 |
| GW 16 127 TB | 6 | 900 | 28 |
| GW 16 127 TC | 6 | 486 | 29 |
| GW 16 127 TI | 6 | 450 | 28 |
| GW 16 127 TN | 6 | 900 | 28 |
| GW 16 127 VA | 6 | 720 | 29 |
| GW 16 127 VB | 6 | 900 | 30 |
| GW 16 127 VR | 6 | 900 | 30 |
| GW 16 127 VT | 6 | 900 | 29 |
| GW 16 128 MC | 1 | 342 | 30 |
| GW 16 128 MO | 1 | 360 | 30 |
| GW 16 128 TB | 1 | 684 | 28 |
| GW 16 128 TC | 1 | 342 | 29 |
| GW 16 128 TI | 1 | 360 | 28 |
| GW 16 128 TN | 1 | 342 | 28 |
| GW 16 128 VA | 1 | 684 | 29 |
| GW 16 128 VB | 1 | 342 | 30 |
| GW 16 128 VR | 1 | 342 | 30 |
| GW 16 128 VT | 1 | 360 | 29 |
| GW 16 129 MC | 1 | 342 | 30 |
| GW 16 129 MO | 1 | 342 | 30 |
| GW 16 129 TB | 1 | 570 | 28 |
| GW 16 129 TC | 1 | 342 | 29 |
| GW 16 129 TI | 1 | 342 | 28 |
| GW 16 129 TN | 1 | 570 | 28 |
| GW 16 129 VA | 1 | 570 | 29 |
| GW 16 129 VB | 1 | 342 | 30 |
| GW 16 129 VR | 1 | 342 | 30 |
| GW 16 129 VT | 1 | 342 | 29 |
| GW 16 141 TB | 12 | 0 | 282 |
| GW 16 141 TN | 12 | 0 | 282 |
| GW 16 141 VA | 12 | 0 | 283 |
| GW 16 141 VT | 12 | 0 | 283 |
| GW 16 142 TB | 12 | 0 | 282 |
| GW 16 142 TN | 12 | 0 | 282 |
| GW 16 142 VA | 12 | 0 | 283 |
| GW 16 142 VT | 12 | 0 | 283 |
| GW 16 202 CA | 1 | 320 | 58 |
| GW 16 202 CG | 1 | 480 | 58 |
| GW 16 202 CO | 1 | 480 | 58 |
| GW 16 202 LA | 1 | 640 | 53 |
| GW 16 202 LC | 1 | 320 | 53 |
| GW 16 202 LW | 1 | 800 | 53 |
| GW 16 202 MC | 6 | 738 | 52 |
| GW 16 202 MD | 6 | 1230 | 56 |

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|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 16 202 MH | 6 | 738 | 55 |
| GW 16 202 MI | 1 | 320 | 56 |
| GW 16 202 ML | 6 | 1476 | 56 |
| GW 16 202 MO | 6 | 1230 | 52 |
| GW 16 202 MP | 6 | 1476 | 55 |
| GW 16 202 MR | 6 | 738 | 55 |
| GW 16 202 MS | 6 | 1230 | 55 |
| GW 16 202 PB | 1 | 320 | 57 |
| GW 16 202 PN | 1 | 800 | 57 |
| GW 16 202 PR | 1 | 800 | 57 |
| GW 16 202 TB | 12 | 1152 | 51 |
| GW 16 202 TN | 12 | 1152 | 51 |
| GW 16 202 VA | 6 | 1476 | 51 |
| GW 16 202 VT | 12 | 1152 | 51 |
| GW 16 202 XA | 6 | 0 | 54 |
| GW 16 202 XB | 6 | 1476 | 54 |
| GW 16 202 XN | 6 | 1476 | 54 |
| GW 16 202 XT | 6 | 1230 | 54 |
| GW 16 203 CA | 1 | 800 | 58 |
| GW 16 203 CG | 1 | 800 | 58 |
| GW 16 203 CO | 1 | 320 | 58 |
| GW 16 203 LA | 1 | 320 | 53 |
| GW 16 203 LC | 1 | 320 | 53 |
| GW 16 203 LW | 1 | 800 | 53 |
| GW 16 203 MC | 6 | 1230 | 52 |
| GW 16 203 MD | 6 | 1230 | 56 |
| GW 16 203 MH | 6 | 738 | 55 |
| GW 16 203 MI | 1 | 640 | 56 |
| GW 16 203 ML | 6 | 1230 | 56 |
| GW 16 203 MO | 6 | 1230 | 52 |
| GW 16 203 MP | 6 | 1230 | 55 |
| GW 16 203 MR | 6 | 1476 | 55 |
| GW 16 203 MS | 6 | 1476 | 55 |
| GW 16 203 PB | 1 | 640 | 57 |
| GW 16 203 PN | 1 | 800 | 57 |
| GW 16 203 PR | 1 | 320 | 57 |
| GW 16 203 TB | 12 | 1152 | 51 |
| GW 16 203 TN | 12 | 1152 | 51 |
| GW 16 203 VA | 6 | 1230 | 51 |
| GW 16 203 VT | 12 | 1152 | 51 |
| GW 16 203 XA | 6 | 0 | 54 |
| GW 16 203 XB | 6 | 1230 | 54 |
| GW 16 203 XN | 6 | 1230 | 54 |
| GW 16 203 XT | 6 | 1230 | 54 |
| GW 16 204 CA | 1 | 640 | 58 |
| GW 16 204 CG | 1 | 480 | 58 |
| GW 16 204 CO | 1 | 480 | 58 |
| GW 16 204 LA | 1 | 480 | 53 |
| GW 16 204 LC | 1 | 480 | 53 |
| GW 16 204 LW | 1 | 640 | 53 |
| GW 16 204 MC | 6 | 1230 | 52 |
| GW 16 204 MD | 6 | 1230 | 56 |
| GW 16 204 MH | 6 | 738 | 55 |
| GW 16 204 MI | 1 | 800 | 56 |
| GW 16 204 ML | 6 | 1476 | 56 |
| GW 16 204 MO | 6 | 1230 | 52 |
| GW 16 204 MP | 6 | 738 | 55 |
| GW 16 204 MR | 6 | 738 | 55 |
| GW 16 204 MS | 6 | 1476 | 55 |
| GW 16 204 PB | 1 | 800 | 57 |
| GW 16 204 PN | 1 | 320 | 57 |
| GW 16 204 PR | 1 | 320 | 57 |
| GW 16 204 TB | 12 | 1152 | 51 |
| GW 16 204 TN | 12 | 1152 | 51 |

| Code | Quantity | | Page |
|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 16 204 VA | 6 | 1476 | 51 |
| GW 16 204 VT | 12 | 1152 | 51 |
| GW 16 204 XA | 6 | 0 | 54 |
| GW 16 204 XB | 6 | 1476 | 54 |
| GW 16 204 XN | 6 | 1476 | 54 |
| GW 16 204 XT | 6 | 1230 | 54 |
| GW 16 206 CA | 1 | 600 | 58 |
| GW 16 206 CA | 1 | 600 | 265 |
| GW 16 206 CG | 1 | 360 | 58 |
| GW 16 206 CG | 1 | 360 | 265 |
| GW 16 206 CO | 1 | 360 | 58 |
| GW 16 206 LA | 1 | 360 | 53 |
| GW 16 206 LC | 1 | 360 | 53 |
| GW 16 206 LW | 1 | 480 | 53 |
| GW 16 206 MC | 6 | 576 | 52 |
| GW 16 206 MC | 6 | 576 | 263 |
| GW 16 206 MD | 6 | 960 | 56 |
| GW 16 206 MH | 6 | 576 | 55 |
| GW 16 206 MI | 1 | 600 | 56 |
| GW 16 206 MI | 1 | 600 | 265 |
| GW 16 206 ML | 6 | 1152 | 56 |
| GW 16 206 MO | 6 | 1152 | 52 |
| GW 16 206 MO | 6 | 1152 | 263 |
| GW 16 206 MP | 6 | 1152 | 55 |
| GW 16 206 MR | 6 | 576 | 55 |
| GW 16 206 MS | 6 | 1152 | 55 |
| GW 16 206 PB | 1 | 480 | 57 |
| GW 16 206 PN | 1 | 240 | 57 |
| GW 16 206 PR | 1 | 600 | 57 |
| GW 16 206 TB | 6 | 960 | 51 |
| GW 16 206 TB | 6 | 960 | 262 |
| GW 16 206 TN | 6 | 960 | 51 |
| GW 16 206 TN | 6 | 960 | 262 |
| GW 16 206 VA | 6 | 960 | 51 |
| GW 16 206 VT | 6 | 960 | 51 |
| GW 16 206 XA | 6 | 0 | 54 |
| GW 16 206 XB | 6 | 1152 | 54 |
| GW 16 206 XN | 6 | 1152 | 54 |
| GW 16 206 XT | 6 | 960 | 54 |
| GW 16 222 CA | 1 | 800 | 40 |
| GW 16 222 CA | 1 | 800 | 265 |
| GW 16 222 CG | 1 | 480 | 40 |
| GW 16 222 CG | 1 | 480 | 265 |
| GW 16 222 CO | 1 | 480 | 40 |
| GW 16 222 LA | 12 | 1152 | 36 |
| GW 16 222 LA | 12 | 1152 | 264 |
| GW 16 222 LC | 12 | 2304 | 36 |
| GW 16 222 LC | 12 | 2304 | 264 |
| GW 16 222 LW | 12 | 1920 | 36 |
| GW 16 222 LW | 12 | 1920 | 264 |
| GW 16 222 MA | 1 | 320 | 39 |
| GW 16 222 MA | 1 | 320 | 265 |
| GW 16 222 MC | 12 | 1152 | 35 |
| GW 16 222 MC | 12 | 1152 | 263 |
| GW 16 222 MF | 1 | 320 | 39 |
| GW 16 222 MI | 1 | 800 | 39 |
| GW 16 222 MI | 1 | 800 | 265 |
| GW 16 222 MO | 12 | 1152 | 35 |
| GW 16 222 MO | 12 | 1152 | 263 |
| GW 16 222 PB | 12 | 2304 | 37 |
| GW 16 222 PN | 12 | 1920 | 37 |
| GW 16 222 PR | 12 | 1152 | 37 |
| GW 16 222 RL | 12 | 1152 | 38 |
| GW 16 222 RN | 12 | 1152 | 38 |

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|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 16 222 RS | 12 | 1920 | 38 |
| GW 16 222 RS | 12 | 1920 | 264 |
| GW 16 222 TB | 12 | 1920 | 34 |
| GW 16 222 TB | 12 | 1920 | 262 |
| GW 16 222 TN | 12 | 1920 | 34 |
| GW 16 222 TN | 12 | 1920 | 262 |
| GW 16 222 VA | 12 | 1920 | 35 |
| GW 16 222 VT | 12 | 1920 | 35 |
| GW 16 222 YB | 12 | 2304 | 34 |
| GW 16 222 YB | 12 | 2304 | 262 |
| GW 16 223 CA | 1 | 600 | 40 |
| GW 16 223 CG | 1 | 600 | 40 |
| GW 16 223 CO | 1 | 240 | 40 |
| GW 16 223 LA | 6 | 576 | 36 |
| GW 16 223 LC | 6 | 768 | 36 |
| GW 16 223 LW | 6 | 960 | 36 |
| GW 16 223 MA | 1 | 240 | 39 |
| GW 16 223 MC | 6 | 522 | 35 |
| GW 16 223 MF | 1 | 600 | 39 |
| GW 16 223 MI | 1 | 240 | 39 |
| GW 16 223 MO | 6 | 1044 | 35 |
| GW 16 223 PB | 6 | 576 | 37 |
| GW 16 223 PN | 6 | 768 | 37 |
| GW 16 223 PR | 6 | 768 | 37 |
| GW 16 223 RL | 6 | 576 | 38 |
| GW 16 223 RN | 6 | 576 | 38 |
| GW 16 223 RS | 6 | 522 | 38 |
| GW 16 223 TB | 6 | 960 | 34 |
| GW 16 223 TN | 6 | 960 | 34 |
| GW 16 223 VA | 6 | 960 | 35 |
| GW 16 223 VT | 6 | 960 | 35 |
| GW 16 223 YB | 6 | 576 | 34 |
| GW 16 224 CA | 1 | 600 | 40 |
| GW 16 224 CG | 1 | 600 | 40 |
| GW 16 224 CO | 1 | 240 | 40 |
| GW 16 224 LA | 6 | 960 | 36 |
| GW 16 224 LC | 6 | 576 | 36 |
| GW 16 224 LW | 6 | 960 | 36 |
| GW 16 224 MA | 1 | 600 | 39 |
| GW 16 224 MC | 6 | 558 | 35 |
| GW 16 224 MF | 1 | 684 | 39 |
| GW 16 224 MI | 1 | 600 | 39 |
| GW 16 224 MO | 6 | 930 | 35 |
| GW 16 224 PB | 6 | 930 | 37 |
| GW 16 224 PN | 6 | 930 | 37 |
| GW 16 224 PR | 6 | 930 | 37 |
| GW 16 224 RL | 6 | 930 | 38 |
| GW 16 224 RN | 6 | 930 | 38 |
| GW 16 224 RS | 6 | 930 | 38 |
| GW 16 224 TB | 6 | 960 | 34 |
| GW 16 224 TN | 6 | 558 | 34 |
| GW 16 224 VA | 6 | 930 | 35 |
| GW 16 224 VT | 6 | 960 | 35 |
| GW 16 224 YB | 6 | 576 | 34 |
| GW 16 225 TB | 6 | 558 | 34 |
| GW 16 226 CA | 1 | 360 | 40 |
| GW 16 226 CG | 1 | 600 | 40 |
| GW 16 226 CO | 1 | 360 | 40 |
| GW 16 226 LA | 1 | 810 | 36 |
| GW 16 226 LC | 1 | 288 | 36 |
| GW 16 226 LW | 1 | 648 | 36 |
| GW 16 226 MA | 1 | 360 | 39 |
| GW 16 226 MC | 1 | 810 | 35 |
| GW 16 226 MF | 1 | 360 | 39 |

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|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 16 226 MI | 1 | 240 | 39 |
| GW 16 226 MO | 1 | 684 | 35 |
| GW 16 226 PB | 1 | 486 | 37 |
| GW 16 226 PN | 1 | 486 | 37 |
| GW 16 226 PR | 1 | 486 | 37 |
| GW 16 226 RL | 1 | 810 | 38 |
| GW 16 226 RN | 1 | 810 | 38 |
| GW 16 226 RS | 1 | 486 | 38 |
| GW 16 226 TB | 1 | 504 | 34 |
| GW 16 226 TN | 1 | 486 | 34 |
| GW 16 226 VA | 1 | 432 | 35 |
| GW 16 226 VT | 1 | 432 | 35 |
| GW 16 226 YB | 1 | 288 | 34 |
| GW 16 227 CA | 1 | 360 | 40 |
| GW 16 227 CG | 1 | 600 | 40 |
| GW 16 227 CO | 1 | 360 | 40 |
| GW 16 227 LA | 1 | 810 | 36 |
| GW 16 227 LC | 1 | 810 | 36 |
| GW 16 227 LW | 1 | 810 | 36 |
| GW 16 227 MA | 1 | 600 | 39 |
| GW 16 227 MC | 1 | 720 | 35 |
| GW 16 227 MF | 1 | 600 | 39 |
| GW 16 227 MI | 1 | 360 | 39 |
| GW 16 227 MO | 1 | 432 | 35 |
| GW 16 227 PB | 1 | 720 | 37 |
| GW 16 227 PN | 1 | 720 | 37 |
| GW 16 227 PR | 1 | 720 | 37 |
| GW 16 227 RL | 1 | 720 | 38 |
| GW 16 227 RN | 1 | 720 | 38 |
| GW 16 227 RS | 1 | 720 | 38 |
| GW 16 227 TB | 1 | 720 | 34 |
| GW 16 227 TN | 1 | 720 | 34 |
| GW 16 227 VA | 1 | 720 | 35 |
| GW 16 227 VT | 1 | 810 | 35 |
| GW 16 227 YB | 1 | 288 | 34 |
| GW 16 228 CA | 1 | 400 | 40 |
| GW 16 228 CG | 1 | 160 | 40 |
| GW 16 228 CO | 1 | 400 | 40 |
| GW 16 228 LA | 1 | 342 | 36 |
| GW 16 228 LC | 1 | 342 | 36 |
| GW 16 228 LW | 1 | 684 | 36 |
| GW 16 228 MA | 1 | 160 | 39 |
| GW 16 228 MC | 1 | 342 | 35 |
| GW 16 228 MF | 1 | 400 | 39 |
| GW 16 228 MI | 1 | 160 | 39 |
| GW 16 228 MO | 1 | 684 | 35 |
| GW 16 228 PB | 1 | 342 | 37 |
| GW 16 228 PN | 1 | 342 | 37 |
| GW 16 228 PR | 1 | 342 | 37 |
| GW 16 228 RL | 1 | 342 | 38 |
| GW 16 228 RN | 1 | 342 | 38 |
| GW 16 228 RS | 1 | 342 | 38 |
| GW 16 228 TB | 1 | 684 | 34 |
| GW 16 228 TN | 1 | 342 | 34 |
| GW 16 228 VA | 1 | 384 | 35 |
| GW 16 228 VT | 1 | 684 | 35 |
| GW 16 228 YB | 1 | 432 | 34 |
| GW 16 229 CA | 1 | 400 | 40 |
| GW 16 229 CG | 1 | 400 | 40 |
| GW 16 229 CO | 1 | 400 | 40 |
| GW 16 229 LA | 1 | 570 | 36 |
| GW 16 229 LC | 1 | 570 | 36 |
| GW 16 229 LW | 1 | 570 | 36 |
| GW 16 229 MA | 1 | 400 | 39 |

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|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 16 229 MC | 1 | 342 | 35 |
| GW 16 229 MF | 1 | 400 | 39 |
| GW 16 229 MI | 1 | 240 | 39 |
| GW 16 229 MO | 1 | 342 | 35 |
| GW 16 229 PB | 1 | 570 | 37 |
| GW 16 229 PN | 1 | 342 | 37 |
| GW 16 229 PR | 1 | 570 | 37 |
| GW 16 229 RL | 1 | 570 | 38 |
| GW 16 229 RN | 1 | 570 | 38 |
| GW 16 229 RS | 1 | 570 | 38 |
| GW 16 229 TB | 1 | 570 | 34 |
| GW 16 229 TN | 1 | 570 | 34 |
| GW 16 229 VA | 1 | 570 | 35 |
| GW 16 229 VT | 1 | 570 | 35 |
| GW 16 229 YB | 1 | 432 | 34 |
| GW 16 236 CA | 1 | 256 | 259 |
| GW 16 236 CG | 1 | 256 | 259 |
| GW 16 236 LA | 12 | 1152 | 257 |
| GW 16 236 LC | 12 | 1152 | 257 |
| GW 16 236 LW | 12 | 1152 | 257 |
| GW 16 236 MA | 1 | 256 | 258 |
| GW 16 236 MC | 12 | 1152 | 256 |
| GW 16 236 MI | 1 | 256 | 258 |
| GW 16 236 MO | 12 | 1152 | 256 |
| GW 16 236 RS | 12 | 1152 | 258 |
| GW 16 236 TB | 12 | 2304 | 255 |
| GW 16 236 TN | 12 | 1152 | 255 |
| GW 16 236 YB | 12 | 1152 | 255 |
| GW 16 237 CA | 1 | 192 | 259 |
| GW 16 237 CG | 1 | 192 | 259 |
| GW 16 237 LA | 6 | 576 | 257 |
| GW 16 237 LC | 6 | 576 | 257 |
| GW 16 237 LW | 6 | 576 | 257 |
| GW 16 237 MA | 1 | 192 | 258 |
| GW 16 237 MC | 6 | 576 | 256 |
| GW 16 237 MI | 1 | 192 | 258 |
| GW 16 237 MO | 6 | 576 | 256 |
| GW 16 237 RS | 6 | 576 | 258 |
| GW 16 237 TB | 6 | 576 | 255 |
| GW 16 237 TN | 6 | 576 | 255 |
| GW 16 237 YB | 6 | 576 | 255 |
| GW 16 238 LA | 6 | 576 | 264 |
| GW 16 238 LC | 6 | 576 | 264 |
| GW 16 238 LW | 6 | 576 | 264 |
| GW 16 238 MA | 1 | 192 | 265 |
| GW 16 238 RS | 6 | 576 | 264 |
| GW 16 238 YB | 6 | 576 | 262 |
| GW 16 302 MC | 6 | 1230 | 60 |
| GW 16 302 MO | 6 | 738 | 60 |
| GW 16 302 PR | 1 | 480 | 60 |
| GW 16 302 TB | 6 | 1230 | 59 |
| GW 16 302 TN | 6 | 738 | 59 |
| GW 16 302 VA | 6 | 1230 | 59 |
| GW 16 302 VT | 6 | 1230 | 59 |
| GW 16 303 MC | 6 | 1230 | 60 |
| GW 16 303 MO | 6 | 1230 | 60 |
| GW 16 303 PR | 1 | 640 | 60 |
| GW 16 303 TB | 12 | 1152 | 59 |
| GW 16 303 TN | 12 | 1152 | 59 |
| GW 16 303 VA | 6 | 1230 | 59 |
| GW 16 303 VT | 12 | 1152 | 59 |
| GW 16 304 MC | 6 | 960 | 60 |
| GW 16 304 MO | 6 | 576 | 60 |
| GW 16 304 PR | 1 | 600 | 60 |

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|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 16 304 TB | 6 | 960 | 59 |
| GW 16 304 TN | 6 | 960 | 59 |
| GW 16 304 VA | 6 | 960 | 59 |
| GW 16 304 VT | 6 | 960 | 59 |
| GW 16 401 MC | 12 | 960 | 50 |
| GW 16 401 MO | 12 | 960 | 50 |
| GW 16 401 TB | 96 | 2304 | 46 |
| GW 16 401 TC | 24 | 1008 | 47 |
| GW 16 401 TI | 24 | 1008 | 46 |
| GW 16 401 TN | 24 | 1512 | 46 |
| GW 16 401 VA | 12 | 936 | 49 |
| GW 16 401 VB | 24 | 1008 | 50 |
| GW 16 401 VR | 24 | 1008 | 50 |
| GW 16 401 VT | 24 | 3840 | 49 |
| GW 16 402 MC | 12 | 2460 | 50 |
| GW 16 402 MO | 12 | 2460 | 50 |
| GW 16 402 TB | 96 | 2304 | 46 |
| GW 16 402 TC | 12 | 1968 | 47 |
| GW 16 402 TI | 12 | 1920 | 46 |
| GW 16 402 TN | 12 | 2460 | 46 |
| GW 16 402 VA | 12 | 1872 | 49 |
| GW 16 402 VB | 12 | 1476 | 50 |
| GW 16 402 VR | 12 | 1476 | 50 |
| GW 16 402 VT | 12 | 2460 | 49 |
| GW 16 403 MC | 12 | 1968 | 50 |
| GW 16 403 MO | 12 | 1968 | 50 |
| GW 16 403 TA | 24 | 2016 | 47 |
| GW 16 403 TB | 96 | 2304 | 46 |
| GW 16 403 TC | 24 | 2016 | 47 |
| GW 16 403 TI | 24 | 2016 | 46 |
| GW 16 403 TL | 24 | 2016 | 48 |
| GW 16 403 TN | 24 | 2016 | 46 |
| GW 16 403 TO | 24 | 1008 | 47 |
| GW 16 403 TT | 24 | 1008 | 48 |
| GW 16 403 TZ | 24 | 1008 | 47 |
| GW 16 403 VA | 12 | 1872 | 49 |
| GW 16 403 VB | 24 | 1152 | 50 |
| GW 16 403 VN | 24 | 1920 | 49 |
| GW 16 403 VR | 24 | 1152 | 50 |
| GW 16 403 VT | 24 | 2016 | 49 |
| GW 16 404 MC | 12 | 768 | 50 |
| GW 16 404 MO | 12 | 768 | 50 |
| GW 16 404 TA | 12 | 960 | 47 |
| GW 16 404 TB | 12 | 1920 | 46 |
| GW 16 404 TC | 12 | 1872 | 47 |
| GW 16 404 TI | 12 | 1920 | 46 |
| GW 16 404 TL | 12 | 960 | 48 |
| GW 16 404 TN | 12 | 1872 | 46 |
| GW 16 404 TO | 12 | 960 | 47 |
| GW 16 404 TT | 12 | 960 | 48 |
| GW 16 404 TZ | 12 | 960 | 47 |
| GW 16 404 VA | 12 | 1920 | 49 |
| GW 16 404 VB | 12 | 1152 | 50 |
| GW 16 404 VN | 12 | 1404 | 49 |
| GW 16 404 VR | 12 | 1152 | 50 |
| GW 16 404 VT | 12 | 1872 | 49 |
| GW 16 406 MC | 6 | 576 | 50 |
| GW 16 406 MO | 6 | 1152 | 50 |
| GW 16 406 TB | 12 | 1152 | 46 |
| GW 16 406 TB | 12 | 1152 | 260 |
| GW 16 406 TC | 6 | 1152 | 47 |
| GW 16 406 TI | 6 | 1152 | 46 |
| GW 16 406 TI | 6 | 1152 | 260 |
| GW 16 406 TN | 6 | 1152 | 46 |

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| | Pack/carton | Pallet | |
| GW 16 406 VA | 6 | 1152 | 49 |
| GW 16 406 VA | 6 | 1152 | 260 |
| GW 16 406 VB | 6 | 576 | 50 |
| GW 16 406 VN | 6 | 576 | 49 |
| GW 16 406 VR | 6 | 576 | 50 |
| GW 16 406 VT | 6 | 1152 | 49 |
| GW 16 406 VT | 6 | 1152 | 260 |
| GW 16 422 MC | 12 | 2088 | 33 |
| GW 16 422 MO | 12 | 696 | 33 |
| GW 16 422 TB | 12 | 1920 | 31 |
| GW 16 422 TB | 12 | 1920 | 260 |
| GW 16 422 TC | 12 | 1920 | 32 |
| GW 16 422 TI | 12 | 1920 | 31 |
| GW 16 422 TI | 12 | 1920 | 260 |
| GW 16 422 TN | 12 | 1920 | 31 |
| GW 16 422 VA | 12 | 2304 | 32 |
| GW 16 422 VA | 12 | 2304 | 260 |
| GW 16 422 VB | 12 | 1920 | 33 |
| GW 16 422 VR | 12 | 1152 | 33 |
| GW 16 422 VT | 12 | 2304 | 32 |
| GW 16 422 VT | 12 | 2304 | 260 |
| GW 16 423 MC | 6 | 432 | 33 |
| GW 16 423 MO | 6 | 432 | 33 |
| GW 16 423 TB | 12 | 1536 | 31 |
| GW 16 423 TC | 12 | 1152 | 32 |
| GW 16 423 TI | 12 | 1152 | 31 |
| GW 16 423 TN | 12 | 1152 | 31 |
| GW 16 423 VA | 6 | 768 | 32 |
| GW 16 423 VB | 12 | 1152 | 33 |
| GW 16 423 VR | 12 | 1152 | 33 |
| GW 16 423 VT | 12 | 1536 | 32 |
| GW 16 424 MC | 6 | 432 | 33 |
| GW 16 424 MO | 6 | 432 | 33 |
| GW 16 424 TB | 12 | 1920 | 31 |
| GW 16 424 TC | 12 | 1152 | 32 |
| GW 16 424 TI | 12 | 1920 | 31 |
| GW 16 424 TN | 12 | 1152 | 31 |
| GW 16 424 VA | 6 | 468 | 32 |
| GW 16 424 VB | 12 | 936 | 33 |
| GW 16 424 VR | 12 | 468 | 33 |
| GW 16 424 VT | 12 | 468 | 32 |
| GW 16 426 MC | 6 | 324 | 33 |
| GW 16 426 MO | 6 | 324 | 33 |
| GW 16 426 TB | 6 | 1044 | 31 |
| GW 16 426 TC | 6 | 486 | 32 |
| GW 16 426 TI | 6 | 486 | 31 |
| GW 16 426 TN | 6 | 486 | 31 |
| GW 16 426 VA | 6 | 486 | 32 |
| GW 16 426 VB | 6 | 486 | 33 |
| GW 16 426 VR | 6 | 486 | 33 |
| GW 16 426 VT | 6 | 972 | 32 |
| GW 16 427 MC | 6 | 324 | 33 |
| GW 16 427 MO | 6 | 324 | 33 |
| GW 16 427 TB | 6 | 486 | 31 |
| GW 16 427 TC | 6 | 486 | 32 |
| GW 16 427 TI | 6 | 486 | 31 |
| GW 16 427 TN | 6 | 486 | 31 |
| GW 16 427 VA | 6 | 486 | 32 |
| GW 16 427 VB | 6 | 486 | 33 |
| GW 16 427 VR | 6 | 486 | 33 |
| GW 16 427 VT | 6 | 486 | 32 |
| GW 16 436 TB | 12 | 2304 | 254 |
| GW 16 436 TI | 12 | 1152 | 254 |
| GW 16 436 VA | 12 | 1152 | 254 |

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| | Pack/carton | Pallet | |
| GW 16 436 VT | 12 | 1152 | 254 |
| GW 16 437 TB | 12 | 960 | 254 |
| GW 16 437 TI | 12 | 960 | 254 |
| GW 16 437 VA | 12 | 960 | 254 |
| GW 16 437 VT | 12 | 960 | 254 |
| GW 16 502 | 5/80 | 1200 | 67 |
| GW 16 503 | 3/60 | 960 | 67 |
| GW 16 504 | 1/40 | 600 | 67 |
| GW 16 512 | 5/60 | 900 | 67 |
| GW 16 513 | 2/40 | 600 | 67 |
| GW 16 514 | 1/30 | 480 | 67 |
| GW 16 702 TB | 1/24 | 768 | 65 |
| GW 16 702 TN | 1/12 | 900 | 65 |
| GW 16 702 VT | 1/12 | 504 | 65 |
| GW 16 703 TB | 1/24 | 576 | 65 |
| GW 16 703 TN | 1/12 | 504 | 65 |
| GW 16 703 VT | 1/12 | 504 | 65 |
| GW 16 704 TB | 1/24 | 576 | 65 |
| GW 16 704 TN | 1/12 | 384 | 65 |
| GW 16 704 VT | 1/12 | 384 | 65 |
| GW 16 711 TB | 1/48 | 768 | 65 |
| GW 16 711 TN | 1/24 | 768 | 65 |
| GW 16 711 VT | 1/12 | 900 | 65 |
| GW 16 712 TB | 1/24 | 576 | 65 |
| GW 16 712 TN | 1/24 | 576 | 65 |
| GW 16 712 VT | 1/12 | 504 | 65 |
| GW 16 723 TB | 1/24 | 2016 | 66 |
| GW 16 723 TN | 1/12 | 2460 | 66 |
| GW 16 724 TB | 1/24 | 2304 | 66 |
| GW 16 724 TN | 1/12 | 1920 | 66 |
| GW 16 743 | 3/60 | 900 | 67 |
| GW 16 743 | 3/60 | 900 | 1411 |
| GW 16 744 | 1/30 | 240 | 67 |
| GW 16 744 | 1/30 | 240 | 1411 |
| GW 16 752 | 1/30 | 480 | 67 |
| GW 16 752 | 1/30 | 480 | 1411 |
| GW 16 753 | 1/15 | 240 | 67 |
| GW 16 753 | 1/15 | 240 | 1411 |
| GW 16 754 | 1/15 | 180 | 67 |
| GW 16 754 | 1/15 | 180 | 1411 |
| GW 16 773 | 3/30 | 480 | 67 |
| GW 16 773 | 3/30 | 480 | 1411 |
| GW 16 774 | 1/30 | 480 | 67 |
| GW 16 774 | 1/30 | 480 | 1411 |
| GW 16 782 | 1/30 | 480 | 67 |
| GW 16 782 | 1/30 | 480 | 1411 |
| GW 16 783 | 1/15 | 360 | 67 |
| GW 16 783 | 1/15 | 360 | 1411 |
| GW 16 784 | 1/15 | 360 | 67 |
| GW 16 784 | 1/15 | 360 | 1411 |
| GW 16 802 | 12/120 | 2880 | 69 |
| GW 16 803 | 12/240 | 8640 | 69 |
| GW 16 804 | 12/120 | 7200 | 69 |
| GW 16 806 | 12/72 | 1080 | 69 |
| GW 16 808 | 12/48 | 768 | 69 |
| GW 16 812 | 12/48 | 768 | 69 |
| GW 16 821 | 12/120 | 2880 | 68 |
| GW 16 822 | 20/120 | 2880 | 68 |
| GW 16 823 | 12/120 | 960 | 68 |
| GW 16 824 | 12/60 | 2340 | 68 |
| GW 16 825 | 12/48 | 576 | 68 |
| GW 16 831 | 10/160 | 1920 | 68 |
| GW 16 831 | 10/160 | 1920 | 261 |
| GW 16 831 | 10/160 | 1920 | 266 |

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| | Pack/carton | Pallet | |
| GW 16 834 | 6/72 | 0 | 283 |
| GW 16 835 | 6/72 | 0 | 283 |
| GW 16 837 | 50 | 500 | 261 |
| GW 16 837 | 50 | 500 | 266 |
| GW 16 838 | 50 | 500 | 261 |
| GW 16 838 | 50 | 500 | 266 |
| GW 16 839 | 50 | 500 | 261 |
| GW 16 839 | 50 | 500 | 266 |
| GW 16 841 | 5/300 | 2400 | 69 |
| GW 16 841 | 5/300 | 2400 | 742 |
| GW 16 842 | 5/150 | 1200 | 69 |
| GW 16 842 | 5/150 | 1200 | 742 |
| GW 16 843 | 5/50 | 800 | 69 |
| GW 16 843 | 5/50 | 800 | 742 |
| GW 16 854 | 1/30 | 720 | 66 |
| GW 16 856 | 1/15 | 480 | 66 |
| GW 16 864 | 1/30 | 720 | 66 |
| GW 16 866 | 1/15 | 180 | 66 |
| GW 16 871 | 60/480 | 15360 | 69 |
| GW 16 873 | 120/480 | 7680 | 69 |
| GW 16 874 | 60/240 | 3840 | 69 |
| GW 16 876 | 60/240 | 3840 | 69 |
| GW 16 903 CB | 1 | 512 | 61 |
| GW 16 903 CN | 1 | 512 | 61 |
| GW 16 903 CT | 1 | 512 | 61 |
| GW 16 904 CB | 1 | 480 | 61 |
| GW 16 904 CN | 1 | 384 | 61 |
| GW 16 904 CT | 1 | 192 | 61 |
| GW 16 946 CB | 1 | 256 | 63 |
| GW 16 946 CB | 1 | 256 | 494 |
| GW 16 946 CB | 1 | 256 | 521 |
| GW 16 946 CN | 1 | 256 | 63 |
| GW 16 946 CN | 1 | 256 | 494 |
| GW 16 946 CN | 1 | 256 | 521 |
| GW 16 946 CT | 1 | 256 | 63 |
| GW 16 946 CT | 1 | 256 | 494 |
| GW 16 946 CT | 1 | 256 | 521 |
| GW 16 950 | 12 | 936 | 495 |
| GW 16 950 | 12 | 936 | 522 |
| GW 16 951 CB | 1 | 480 | 62 |
| GW 16 951 CB | 1 | 480 | 112 |
| GW 16 951 CB | 1 | 480 | 160 |
| GW 16 951 CB | 1 | 480 | 208 |
| GW 16 951 CN | 1 | 320 | 62 |
| GW 16 951 CN | 1 | 320 | 112 |
| GW 16 951 CN | 1 | 320 | 160 |
| GW 16 951 CN | 1 | 320 | 208 |
| GW 16 951 CT | 1 | 320 | 62 |
| GW 16 951 CT | 1 | 320 | 112 |
| GW 16 951 CT | 1 | 320 | 160 |
| GW 16 951 CT | 1 | 320 | 208 |
| GW 16 952 CB | 1 | 256 | 62 |
| GW 16 952 CB | 1 | 256 | 112 |
| GW 16 952 CB | 1 | 256 | 160 |
| GW 16 952 CB | 1 | 256 | 208 |
| GW 16 952 CN | 1 | 320 | 62 |
| GW 16 952 CN | 1 | 320 | 112 |
| GW 16 952 CN | 1 | 320 | 160 |
| GW 16 952 CN | 1 | 320 | 208 |
| GW 16 952 CT | 1 | 240 | 62 |
| GW 16 952 CT | 1 | 240 | 112 |
| GW 16 952 CT | 1 | 240 | 160 |
| GW 16 952 CT | 1 | 240 | 208 |
| GW 16 953 CB | 1 | 640 | 62 |

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| | Pack/carton | Pallet | |
| GW 16 953 CB | 1 | 640 | 112 |
| GW 16 953 CB | 1 | 640 | 160 |
| GW 16 953 CB | 1 | 640 | 208 |
| GW 16 953 CN | 1 | 240 | 62 |
| GW 16 953 CN | 1 | 240 | 112 |
| GW 16 953 CN | 1 | 240 | 160 |
| GW 16 953 CN | 1 | 240 | 208 |
| GW 16 953 CT | 1 | 320 | 62 |
| GW 16 953 CT | 1 | 320 | 112 |
| GW 16 953 CT | 1 | 320 | 160 |
| GW 16 953 CT | 1 | 320 | 208 |
| GW 16 962 CB | 1 | 240 | 64 |
| GW 16 962 CB | 1 | 240 | 495 |
| GW 16 962 CB | 1 | 240 | 522 |
| GW 16 962 CN | 1 | 240 | 64 |
| GW 16 962 CN | 1 | 240 | 495 |
| GW 16 962 CN | 1 | 240 | 522 |
| GW 16 962 CT | 1 | 240 | 64 |
| GW 16 962 CT | 1 | 240 | 496 |
| GW 16 962 CT | 1 | 240 | 523 |
| GW 16 964 CB | 1 | 240 | 64 |
| GW 16 964 CB | 1 | 240 | 495 |
| GW 16 964 CB | 1 | 240 | 522 |
| GW 16 964 CN | 1 | 240 | 64 |
| GW 16 964 CN | 1 | 240 | 495 |
| GW 16 964 CN | 1 | 240 | 522 |
| GW 16 964 CT | 1 | 240 | 64 |
| GW 16 964 CT | 1 | 240 | 496 |
| GW 16 964 CT | 1 | 240 | 523 |
| GW 16 966 CB | 1 | 512 | 64 |
| GW 16 966 CB | 1 | 512 | 495 |
| GW 16 966 CB | 1 | 512 | 522 |
| GW 16 966 CN | 1 | 256 | 64 |
| GW 16 966 CN | 1 | 256 | 495 |
| GW 16 966 CN | 1 | 256 | 522 |
| GW 16 966 CT | 1 | 512 | 64 |
| GW 16 966 CT | 1 | 512 | 496 |
| GW 16 966 CT | 1 | 512 | 523 |
| GW 16 972 CB | 1 | 128 | 107 |
| GW 16 972 CN | 1 | 128 | 155 |
| GW 16 972 CT | 1 | 128 | 203 |
| GW 16 974 CB | 1 | 128 | 506 |
| GW 16 974 CB | 1 | 128 | 537 |
| GW 16 974 CN | 1 | 256 | 506 |
| GW 16 974 CN | 1 | 256 | 537 |
| GW 16 974 CT | 1 | 128 | 506 |
| GW 16 974 CT | 1 | 128 | 537 |

| GW18 | | | |
|-----------|---|----|-----|
| GW 18 291 | 1 | 54 | 575 |

| GW19 | | | |
|--------------|----|-----|-----|
| GW 19 001 | 1 | 60 | 558 |
| GW 19 006 | 1 | 60 | 558 |
| GW 19 011 ME | 1 | 60 | 560 |
| GW 19 011 TG | 1 | 60 | 560 |
| GW 19 016 ME | 1 | 60 | 560 |
| GW 19 016 TG | 1 | 60 | 560 |
| GW 19 051 ME | 1 | 60 | 560 |
| GW 19 051 TG | 1 | 60 | 560 |
| GW 19 056 ME | 1 | 60 | 560 |
| GW 19 056 TG | 1 | 60 | 560 |
| GW 19 061 | 1 | 36 | 564 |
| GW 19 091 | 1 | 60 | 560 |
| GW 19 101 | 12 | 108 | 558 |

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| | Pack/carton | Pallet | |
| GW 19 102 | 1 | 224 | 558 |
| GW 19 103 | 1 | 144 | 559 |
| GW 19 111 | 12 | 72 | 561 |
| GW 19 112 ME | 1 | 144 | 561 |
| GW 19 112 TG | 1 | 144 | 561 |
| GW 19 113 | 1 | 144 | 561 |
| GW 19 116 MB | 1 | 504 | 560 |
| GW 19 116 MG | 1 | 504 | 560 |
| GW 19 116 MM | 1 | 504 | 560 |
| GW 19 131 | 10 | 2880 | 559 |
| GW 19 131 | 10 | 2880 | 561 |
| GW 19 132 | 10 | 2880 | 559 |
| GW 19 132 | 10 | 2880 | 561 |
| GW 19 133 | 10 | 2880 | 559 |
| GW 19 133 | 10 | 2880 | 561 |
| GW 19 134 ME | 10 | 2880 | 562 |
| GW 19 134 TG | 10 | 2880 | 562 |
| GW 19 135 ME | 10 | 2880 | 562 |
| GW 19 135 TG | 10 | 2880 | 562 |
| GW 19 136 | 10 | 1680 | 562 |
| GW 19 137 ME | 1 | 1176 | 562 |
| GW 19 137 TG | 1 | 1176 | 562 |
| GW 19 141 | 1 | 1176 | 562 |
| GW 19 142 | 1 | 1176 | 563 |
| GW 19 143 | 1 | 1176 | 563 |
| GW 19 161 | 1 | 36 | 564 |
| GW 19 162 | 1 | 18 | 564 |
| GW 19 163 | 1 | 18 | 564 |
| GW 19 201 BK | 1 | 36 | 567 |
| GW 19 201 WH | 1 | 72 | 567 |
| GW 19 202 BK | 1 | 32 | 567 |
| GW 19 202 WH | 1 | 32 | 567 |
| GW 19 203 BK | 1 | 36 | 568 |
| GW 19 203 WH | 1 | 36 | 568 |
| GW 19 211 BK | 1 | 96 | 565 |
| GW 19 211 WH | 1 | 96 | 565 |
| GW 19 216 BK | 1 | 336 | 565 |
| GW 19 216 WH | 1 | 336 | 565 |
| GW 19 221 BK | 1 | 96 | 566 |
| GW 19 221 WH | 1 | 48 | 566 |
| GW 19 223 BK | 1 | 144 | 566 |
| GW 19 223 WH | 1 | 144 | 566 |
| GW 19 224 | 1 | 168 | 566 |
| GW 19 236 | 1 | 216 | 565 |
| GW 19 301 | 1 | 72 | 571 |
| GW 19 302 | 1 | 168 | 571 |
| GW 19 303 | 1 | 112 | 571 |
| GW 19 304 | 1 | 112 | 571 |
| GW 19 305 | 1 | 144 | 493 |
| GW 19 305 | 1 | 144 | 519 |
| GW 19 305 | 1 | 144 | 568 |
| GW 19 306 | 1 | 1176 | 572 |
| GW 19 307 | 1 | 112 | 572 |
| GW 19 308 | 1 | 112 | 572 |
| GW 19 309 | 1 | 1176 | 572 |
| GW 19 310 | 1 | 144 | 573 |
| GW 19 311 | 1 | 1176 | 572 |
| GW 19 351 | 1 | 72 | 571 |
| GW 19 356 | 1 | 112 | 573 |
| GW 19 357 | 1 | 112 | 574 |
| GW 19 359 | 1 | 1176 | 573 |
| GW 19 360 | 1 | 144 | 573 |
| GW 19 373 | 1 | 200 | 575 |
| GW 19 391 | 100 | 4800 | 575 |

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| | Pack/carton | Pallet | |
| GW 19 392 | 500 | 500 | 575 |
| GW 19 393 | 100 | 1200 | 576 |
| GW 19 394 | 500 | 500 | 576 |
| GW 19 395 | 150 | 900 | 576 |
| GW 19 396 | 500 | 500 | 576 |
| GW 19 401 BK | 1 | 28 | 570 |
| GW 19 401 WH | 1 | 28 | 570 |
| GW 19 410 BK | 1 | 20 | 570 |
| GW 19 410 WH | 1 | 20 | 570 |
| GW 19 411 BK | 1 | 28 | 570 |
| GW 19 411 WH | 1 | 28 | 570 |
| GW 19 412 BK | 1 | 28 | 570 |
| GW 19 412 WH | 1 | 28 | 570 |
| GW20 | | | |
| GW 20 005 | 15/30 | 2100 | 311 |
| GW 20 008 | 15/30 | 2100 | 311 |
| GW 20 024 | 20/40 | 3840 | 313 |
| GW 20 056 | 10/480 | 46080 | 313 |
| GW 20 058 | 60/120 | 8640 | 313 |
| GW 20 071 | 1/5 | 1560 | 315 |
| GW 20 072 | 1/5 | 780 | 315 |
| GW 20 073 | 30/60 | 2400 | 313 |
| GW 20 074 | 1/5 | 1560 | 315 |
| GW 20 076 | 1/5 | 1560 | 315 |
| GW 20 201 | 80/160 | 15360 | 316 |
| GW 20 203 | 80/320 | 19200 | 316 |
| GW 20 205 | 30/60 | 5760 | 316 |
| GW 20 206 | 30/60 | 2400 | 317 |
| GW 20 207 | 30/60 | 2160 | 317 |
| GW 20 208 | 30/60 | 2400 | 317 |
| GW 20 209 | 30/60 | 2400 | 317 |
| GW 20 212 | 30/60 | 4320 | 317 |
| GW 20 214 | 30/60 | 4320 | 318 |
| GW 20 216 | 30/60 | 2280 | 318 |
| GW 20 220 | 40/80 | 15600 | 318 |
| GW 20 228 | 30/60 | 4320 | 322 |
| GW 20 229 | 30/60 | 2280 | 322 |
| GW 20 230 | 30/60 | 2280 | 322 |
| GW 20 234 | 15/30 | 3240 | 323 |
| GW 20 235 | 15/30 | 1920 | 324 |
| GW 20 237 | 15/30 | 1920 | 326 |
| GW 20 238 | 20/40 | 1440 | 326 |
| GW 20 239 | 15/30 | 3360 | 323 |
| GW 20 241 | 15/30 | 3840 | 323 |
| GW 20 243 | 15/30 | 2160 | 325 |
| GW 20 246 | 30/120 | 7200 | 316 |
| GW 20 246 | 30/120 | 7200 | 743 |
| GW 20 248 | 30/60 | 2400 | 318 |
| GW 20 251 | 15/30 | 3360 | 324 |
| GW 20 252 | 15/30 | 4320 | 324 |
| GW 20 265 | 30/60 | 5760 | 317 |
| GW 20 266 | 1/120 | 3600 | 325 |
| GW 20 267 | 1/120 | 6000 | 325 |
| GW 20 270 | 1/120 | 6000 | 325 |
| GW 20 271 | 15/30 | 2160 | 325 |
| GW 20 272 | 15/30 | 3780 | 324 |
| GW 20 277 | 50/200 | 0 | 95 |
| GW 20 277 | 50/200 | 0 | 95 |
| GW 20 277 | 50/200 | 0 | 142 |
| GW 20 277 | 50/200 | 0 | 142 |
| GW 20 277 | 50/200 | 0 | 190 |
| GW 20 277 | 50/200 | 0 | 190 |
| GW 20 277 | 50/200 | 0 | 322 |

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| | Pack/carton | Pallet | |
| GW 20 277 | 50/200 | 0 | 322 |
| GW 20 277 | 50/200 | 0 | 348 |
| GW 20 277 | 50/200 | 0 | 348 |
| GW 20 277 | 50/200 | 0 | 424 |
| GW 20 277 | 50/200 | 0 | 424 |
| GW 20 281 | 30/60 | 4560 | 320 |
| GW 20 281 | 30/60 | 4560 | 346 |
| GW 20 282 | 15/30 | 2160 | 320 |
| GW 20 282 | 15/30 | 2160 | 346 |
| GW 20 283 | 15/30 | 2160 | 320 |
| GW 20 283 | 15/30 | 2160 | 346 |
| GW 20 286 | 30/60 | 2280 | 320 |
| GW 20 286 | 30/60 | 2280 | 346 |
| GW 20 287 | 15/30 | 1140 | 320 |
| GW 20 287 | 15/30 | 1140 | 346 |
| GW 20 288 | 15/30 | 1080 | 320 |
| GW 20 288 | 15/30 | 1080 | 346 |
| GW 20 291 | 30/60 | 2400 | 316 |
| GW 20 295 | 30/60 | 4320 | 320 |
| GW 20 295 | 30/60 | 4320 | 346 |
| GW 20 296 | 30/60 | 2160 | 320 |
| GW 20 296 | 30/60 | 2160 | 346 |
| GW 20 297 | 15/30 | 2160 | 320 |
| GW 20 297 | 15/30 | 2160 | 346 |
| GW 20 298 | 20/40 | 2880 | 321 |
| GW 20 298 | 20/40 | 2880 | 347 |
| GW 20 299 | 20/40 | 2880 | 321 |
| GW 20 299 | 20/40 | 2880 | 347 |
| GW 20 312 | 15/30 | 2160 | 320 |
| GW 20 312 | 15/30 | 2160 | 346 |
| GW 20 320 | 30/60 | 2160 | 319 |
| GW 20 351 | 30/60 | 4320 | 317 |
| GW 20 356 | 30/60 | 2400 | 318 |
| GW 20 357 | 30/60 | 2400 | 318 |
| GW 20 361 | 1/10 | 7200 | 325 |
| GW 20 381 | 15/30 | 3360 | 322 |
| GW 20 382 | 15/30 | 3360 | 322 |
| GW 20 383 | 15/30 | 1920 | 322 |
| GW 20 386 | 15/30 | 4320 | 322 |
| GW 20 391 | 15/30 | 3360 | 322 |
| GW 20 392 | 15/30 | 1920 | 322 |
| GW 20 393 | 15/30 | 1920 | 322 |
| GW 20 396 | 15/30 | 1920 | 322 |
| GW 20 401 | 30/60 | 4320 | 328 |
| GW 20 423 | 1/14 | 4368 | 328 |
| GW 20 431 | 15/30 | 2100 | 327 |
| GW 20 432 | 15/30 | 2100 | 327 |
| GW 20 433 | 15/30 | 2100 | 327 |
| GW 20 434 | 15/30 | 2100 | 327 |
| GW 20 435 | 15/30 | 2100 | 327 |
| GW 20 436 | 15/30 | 2100 | 327 |
| GW 20 437 | 1/15 | 1080 | 327 |
| GW 20 438 | 1/15 | 2160 | 327 |
| GW 20 439 | 1/15 | 1890 | 327 |
| GW 20 448 | 1/15 | 1080 | 327 |
| GW 20 449 | 1/15 | 1890 | 327 |
| GW 20 450 | 1/15 | 1890 | 327 |
| GW 20 454 | 15/30 | 1260 | 327 |
| GW 20 454 | 15/30 | 1260 | 353 |
| GW 20 455 | 15/30 | 1260 | 327 |
| GW 20 455 | 15/30 | 1260 | 353 |
| GW 20 456 | 15/30 | 1260 | 327 |
| GW 20 456 | 15/30 | 1260 | 353 |
| GW 20 503 | 30/60 | 4320 | 311 |

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| | Pack/carton | Pallet | |
| GW 20 504 | 30/60 | 4320 | 311 |
| GW 20 510 | 80/160 | 5760 | 313 |
| GW 20 511 | 15/30 | 4320 | 313 |
| GW 20 512 | 15/30 | 3780 | 313 |
| GW 20 513 | 15/30 | 3780 | 313 |
| GW 20 514 | 15/30 | 2880 | 313 |
| GW 20 515 | 30/60 | 4320 | 313 |
| GW 20 516 | 30/60 | 4320 | 313 |
| GW 20 517 | 30/60 | 4320 | 313 |
| GW 20 518 | 20/40 | 1440 | 313 |
| GW 20 519 | 15/30 | 3780 | 313 |
| GW 20 520 | 15/30 | 4320 | 313 |
| GW 20 521 | 30/60 | 4320 | 313 |
| GW 20 522 | 30/60 | 4320 | 313 |
| GW 20 523 | 30/60 | 4320 | 313 |
| GW 20 527 | 15/30 | 2160 | 313 |
| GW 20 528 | 30/60 | 4320 | 312 |
| GW 20 529 | 30/60 | 4320 | 313 |
| GW 20 530 | 15/30 | 1260 | 313 |
| GW 20 531 | 15/30 | 3780 | 313 |
| GW 20 533 | 20 | 45600 | 314 |
| GW 20 533 | 20 | 45600 | 341 |
| GW 20 537 | 20 | 45600 | 314 |
| GW 20 537 | 20 | 45600 | 341 |
| GW 20 538 | 20 | 45600 | 314 |
| GW 20 538 | 20 | 45600 | 341 |
| GW 20 539 | 20 | 45600 | 314 |
| GW 20 539 | 20 | 45600 | 341 |
| GW 20 540 | 20 | 45600 | 314 |
| GW 20 540 | 20 | 45600 | 341 |
| GW 20 542 | 20 | 45600 | 314 |
| GW 20 542 | 20 | 45600 | 341 |
| GW 20 549 | 20 | 45600 | 314 |
| GW 20 549 | 20 | 45600 | 341 |
| GW 20 550 | 20 | 45600 | 314 |
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| GW 20 551 | 20 | 45600 | 314 |
| GW 20 551 | 20 | 45600 | 341 |
| GW 20 559 | 30/60 | 4320 | 312 |
| GW 20 560 | 30/60 | 4320 | 312 |
| GW 20 561 | 20 | 45600 | 314 |
| GW 20 561 | 20 | 45600 | 341 |
| GW 20 562 | 20 | 45600 | 314 |
| GW 20 562 | 20 | 45600 | 341 |
| GW 20 563 | 20 | 45600 | 314 |
| GW 20 563 | 20 | 45600 | 341 |
| GW 20 564 | 20 | 45600 | 314 |
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| GW 20 565 | 20 | 45600 | 314 |
| GW 20 565 | 20 | 45600 | 341 |
| GW 20 566 | 20 | 45600 | 314 |
| GW 20 566 | 20 | 45600 | 341 |
| GW 20 567 | 20 | 45600 | 314 |
| GW 20 567 | 20 | 45600 | 341 |
| GW 20 568 | 20 | 45600 | 314 |
| GW 20 568 | 20 | 45600 | 341 |
| GW 20 569 | 20 | 45600 | 314 |
| GW 20 569 | 20 | 45600 | 341 |
| GW 20 570 | 20 | 45600 | 314 |
| GW 20 570 | 20 | 45600 | 341 |
| GW 20 571 | 80/320 | 19200 | 311 |
| GW 20 572 | 30/60 | 4320 | 311 |
| GW 20 576 | 80/320 | 19200 | 311 |
| GW 20 577 | 30/60 | 4320 | 311 |

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| GW 20 580 | 1/15 | 1890 | 313 |
| GW 20 583 | 30/60 | 2160 | 311 |
| GW 20 584 | 30/60 | 4320 | 311 |
| GW 20 585 | 15/30 | 2520 | 311 |
| GW 20 588 | 30/60 | 2280 | 311 |
| GW 20 589 | 15/30 | 3510 | 313 |
| GW 20 591 | 15/30 | 2160 | 313 |
| GW 20 592 | 20 | 45600 | 314 |
| GW 20 592 | 20 | 45600 | 341 |
| GW 20 593 | 20 | 45600 | 314 |
| GW 20 593 | 20 | 45600 | 341 |
| GW 20 594 | 20 | 45600 | 314 |
| GW 20 594 | 20 | 45600 | 341 |
| GW 20 595 | 20 | 45600 | 314 |
| GW 20 595 | 20 | 45600 | 341 |
| GW 20 596 | 20 | 45600 | 314 |
| GW 20 596 | 20 | 45600 | 341 |
| GW 20 597 | 20 | 45600 | 314 |
| GW 20 597 | 20 | 45600 | 341 |
| GW 20 601 | 15/30 | 1080 | 334 |
| GW 20 601 | 15/30 | 1080 | 360 |
| GW 20 602 | 1/12 | 684 | 335 |
| GW 20 602 | 1/12 | 684 | 361 |
| GW 20 603 | 30/60 | 4320 | 334 |
| GW 20 604 | 30/60 | 4320 | 334 |
| GW 20 605 | 30/60 | 2280 | 334 |
| GW 20 606 | 30/60 | 4320 | 334 |
| GW 20 607 | 15/30 | 1920 | 334 |
| GW 20 608 | 15/30 | 3360 | 334 |
| GW 20 613 | 15/30 | 2100 | 333 |
| GW 20 616 | 15/30 | 3360 | 333 |
| GW 20 617 | 15/30 | 3360 | 333 |
| GW 20 620 | 15/30 | 2100 | 333 |
| GW 20 622 | 15/30 | 3960 | 335 |
| GW 20 622 | 15/30 | 3960 | 361 |
| GW 20 623 | 15/30 | 360 | 334 |
| GW 20 623 | 15/30 | 360 | 360 |
| GW 20 624 | 15/30 | 360 | 334 |
| GW 20 624 | 15/30 | 360 | 360 |
| GW 20 625 | 15/30 | 360 | 334 |
| GW 20 625 | 15/30 | 360 | 360 |
| GW 20 626 | 15/30 | 360 | 334 |
| GW 20 626 | 15/30 | 360 | 360 |
| GW 20 627 | 1/12 | 432 | 335 |
| GW 20 627 | 1/12 | 432 | 361 |
| GW 20 628 | 1/12 | 432 | 335 |
| GW 20 628 | 1/12 | 432 | 361 |
| GW 20 629 | 1/12 | 432 | 335 |
| GW 20 629 | 1/12 | 432 | 361 |
| GW 20 630 | 1/12 | 432 | 335 |
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| GW 20 631 | 30/60 | 2280 | 334 |
| GW 20 634 | 1/15 | 1080 | 334 |
| GW 20 641 | 1/4 | 624 | 333 |
| GW 20 643 | 1/4 | 624 | 333 |
| GW 20 684 | 1/15 | 1890 | 325 |
| GW 20 685 | 15/30 | 2160 | 325 |
| GW 20 686 | 15/30 | 2160 | 325 |
| GW 20 802 | 1/14 | 4368 | 329 |
| GW 20 803 | 1/14 | 3920 | 329 |
| GW 20 810 | 1/4 | 1248 | 330 |
| GW 20 811 | 1/14 | 4368 | 329 |
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| GW 20 827 | 1/2 | 256 | 331 |
| GW 20 828 | 1/14 | 2184 | 329 |
| GW 20 829 | 1/14 | 2184 | 329 |
| GW 20 833 | 1/4 | 1248 | 332 |
| GW 20 833 | 1/4 | 1248 | 743 |
| GW 20 835 | 1/14 | 4368 | 332 |
| GW 20 841 | 1/4 | 448 | 338 |
| GW 20 852 | 1/2 | 272 | 331 |
| GW 20 853 | 1/2 | 256 | 331 |
| GW 20 867 | 1/2 | 128 | 336 |
| GW 20 868 | 1/2 | 128 | 336 |
| GW 20 890 | 1 | 160 | 483 |
| GW 20 891 | 1 | 160 | 482 |
| GW 20 892 | 1 | 160 | 482 |
| GW 20 893 | 1 | 160 | 482 |
| GW 20 894 | 1 | 160 | 482 |
| GW 20 901 | 1/100 | 19500 | 117 |
| GW 20 901 | 1/100 | 19500 | 165 |
| GW 20 901 | 1/100 | 19500 | 213 |
| GW 20 901 | 1/100 | 19500 | 366 |
| GW 20 901 | 1/100 | 19500 | 435 |
| GW 20 902 | 50 | 9750 | 117 |
| GW 20 902 | 50 | 9750 | 165 |
| GW 20 902 | 50 | 9750 | 213 |
| GW 20 902 | 50 | 9750 | 365 |
| GW 20 902 | 50 | 9750 | 435 |
| GW 20 903 | 50 | 15600 | 117 |
| GW 20 903 | 50 | 15600 | 165 |
| GW 20 903 | 50 | 15600 | 213 |
| GW 20 903 | 50 | 15600 | 365 |
| GW 20 903 | 50 | 15600 | 435 |
| GW 20 904 | 50 | 9750 | 365 |
| GW 20 904 | 50 | 9750 | 435 |
| GW 20 905 | 50 | 9750 | 365 |
| GW 20 905 | 50 | 9750 | 435 |
| GW 20 906 | 50 | 15600 | 365 |
| GW 20 906 | 50 | 15600 | 435 |
| GW 20 908 | 50 | 15600 | 365 |
| GW 20 908 | 50 | 15600 | 435 |
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| GW 20 921 | 10/200 | 20000 | 435 |
| GW 20 922 | 10/200 | 20000 | 366 |
| GW 20 922 | 10/200 | 20000 | 435 |
| GW 20 923 | 10/200 | 20000 | 366 |
| GW 20 923 | 10/200 | 20000 | 435 |
| GW 20 924 | 10/200 | 20000 | 366 |
| GW 20 924 | 10/200 | 20000 | 435 |
| GW 20 925 | 10/200 | 20000 | 366 |
| GW 20 925 | 10/200 | 20000 | 435 |
| GW 20 963 | 1 | 320 | 473 |
| GW 20 963 | 1 | 320 | 482 |
| GW 20 966 | 1 | 320 | 483 |
| GW 20 980 | 1 | 320 | 484 |
| GW 20 981 | 1 | 320 | 484 |
| GW 20 982 | 1 | 160 | 484 |
| GW 20 985 | 1 | 160 | 484 |
| GW 20 990 | 1 | 160 | 483 |
| GW 20 991 | 1 | 320 | 482 |
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| GW 21 005 | 15/30 | 1260 | 339 |
| GW 21 008 | 15/30 | 1260 | 339 |
| GW 21 024 | 20/40 | 480 | 340 |
| GW 21 056 | 10/480 | 46080 | 341 |
| GW 21 058 | 60/120 | 2880 | 341 |
| GW 21 071 | 1/5 | 780 | 342 |
| GW 21 072 | 1/5 | 780 | 342 |
| GW 21 073 | 30/60 | 2400 | 341 |
| GW 21 074 | 1/5 | 780 | 342 |
| GW 21 076 | 1/5 | 780 | 342 |
| GW 21 201 | 80/160 | 5760 | 343 |
| GW 21 203 | 80/320 | 19200 | 343 |
| GW 21 205 | 30/60 | 2160 | 343 |
| GW 21 206 | 30/60 | 1200 | 344 |
| GW 21 207 | 30/60 | 2160 | 344 |
| GW 21 208 | 30/60 | 2400 | 344 |
| GW 21 209 | 30/60 | 2160 | 344 |
| GW 21 212 | 30/60 | 4320 | 344 |
| GW 21 214 | 30/60 | 4320 | 345 |
| GW 21 216 | 30/60 | 2280 | 345 |
| GW 21 220 | 30/60 | 2400 | 345 |
| GW 21 228 | 30/60 | 4320 | 348 |
| GW 21 229 | 30/60 | 2280 | 348 |
| GW 21 230 | 30/60 | 2280 | 348 |
| GW 21 234 | 15/30 | 1920 | 349 |
| GW 21 235 | 15/30 | 1920 | 350 |
| GW 21 237 | 15/30 | 1920 | 352 |
| GW 21 238 | 20/40 | 480 | 352 |
| GW 21 239 | 15/30 | 1920 | 349 |
| GW 21 241 | 15/30 | 1920 | 349 |
| GW 21 243 | 15/30 | 3780 | 351 |
| GW 21 246 | 30/120 | 7200 | 343 |
| GW 21 248 | 30/60 | 1200 | 345 |
| GW 21 251 | 15/30 | 3360 | 350 |
| GW 21 252 | 15/30 | 1140 | 350 |
| GW 21 265 | 30/60 | 2160 | 343 |
| GW 21 266 | 1/120 | 3600 | 351 |
| GW 21 267 | 1/120 | 3600 | 351 |
| GW 21 270 | 1/120 | 6000 | 351 |
| GW 21 271 | 15/30 | 2160 | 351 |
| GW 21 272 | 15/30 | 1920 | 350 |
| GW 21 291 | 30/60 | 1200 | 343 |
| GW 21 351 | 30/60 | 2280 | 344 |
| GW 21 356 | 30/60 | 1200 | 345 |
| GW 21 357 | 30/60 | 1200 | 345 |
| GW 21 381 | 15/30 | 3360 | 348 |
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| GW 21 386 | 15/30 | 3360 | 348 |
| GW 21 391 | 15/30 | 3360 | 348 |
| GW 21 392 | 15/30 | 1920 | 348 |
| GW 21 393 | 15/30 | 1920 | 348 |
| GW 21 396 | 15/30 | 1920 | 348 |
| GW 21 401 | 30/60 | 4320 | 354 |
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| GW 21 436 | 15/30 | 2100 | 353 |
| GW 21 437 | 1/15 | 1080 | 353 |
| GW 21 438 | 1/15 | 2160 | 353 |
| GW 21 439 | 1/15 | 1890 | 353 |
| GW 21 448 | 1/15 | 1080 | 353 |
| GW 21 449 | 1/15 | 1080 | 353 |
| GW 21 450 | 1/15 | 1080 | 353 |
| GW 21 503 | 30/60 | 4320 | 339 |
| GW 21 504 | 30/60 | 4320 | 339 |
| GW 21 510 | 80/160 | 5760 | 340 |
| GW 21 511 | 15/30 | 1920 | 340 |
| GW 21 512 | 15/30 | 3360 | 340 |
| GW 21 513 | 15/30 | 3360 | 340 |
| GW 21 514 | 15/30 | 1920 | 340 |
| GW 21 515 | 30/60 | 4320 | 340 |
| GW 21 516 | 30/60 | 2280 | 340 |
| GW 21 517 | 30/60 | 2280 | 340 |
| GW 21 518 | 20/40 | 1440 | 340 |
| GW 21 519 | 15/30 | 1920 | 340 |
| GW 21 520 | 15/30 | 1920 | 340 |
| GW 21 521 | 30/60 | 4320 | 340 |
| GW 21 522 | 30/60 | 2280 | 340 |
| GW 21 523 | 30/60 | 2280 | 340 |
| GW 21 527 | 15/30 | 2160 | 340 |
| GW 21 528 | 30/60 | 2280 | 340 |
| GW 21 529 | 30/60 | 4320 | 340 |
| GW 21 530 | 15/30 | 1260 | 340 |
| GW 21 531 | 15/30 | 1920 | 340 |
| GW 21 559 | 30/60 | 4320 | 340 |
| GW 21 571 | 80/320 | 19200 | 339 |
| GW 21 572 | 30/60 | 4320 | 339 |
| GW 21 576 | 80/320 | 19200 | 339 |
| GW 21 577 | 30/60 | 4320 | 339 |
| GW 21 579 | 30/60 | 4320 | 339 |
| GW 21 580 | 1/15 | 1080 | 340 |
| GW 21 583 | 30/60 | 2280 | 339 |
| GW 21 584 | 30/60 | 2280 | 339 |
| GW 21 585 | 15/30 | 1260 | 339 |
| GW 21 588 | 30/60 | 2280 | 339 |
| GW 21 589 | 15/30 | 2160 | 340 |
| GW 21 591 | 15/30 | 1080 | 340 |
| GW 21 603 | 30/60 | 4320 | 360 |
| GW 21 604 | 30/60 | 2280 | 360 |
| GW 21 605 | 30/60 | 2280 | 360 |
| GW 21 606 | 30/60 | 2280 | 360 |
| GW 21 607 | 15/30 | 1920 | 360 |
| GW 21 608 | 15/30 | 1920 | 360 |
| GW 21 613 | 15/30 | 1260 | 359 |
| GW 21 616 | 15/30 | 3360 | 359 |
| GW 21 617 | 15/30 | 2100 | 359 |
| GW 21 620 | 15/30 | 450 | 359 |
| GW 21 631 | 30/60 | 2280 | 360 |
| GW 21 634 | 1/15 | 1080 | 360 |
| GW 21 641 | 1/4 | 624 | 359 |
| GW 21 643 | 1/4 | 624 | 359 |
| GW 21 684 | 1/15 | 1080 | 351 |
| GW 21 685 | 15/30 | 1140 | 351 |
| GW 21 686 | 15/30 | 1140 | 351 |
| GW 21 802 | 1/14 | 4368 | 355 |
| GW 21 803 | 1/14 | 4368 | 355 |
| GW 21 810 | 1/4 | 624 | 356 |
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| GW 21 825 | 1/2 | 256 | 356 |
| GW 21 827 | 1/2 | 320 | 357 |
| GW 21 828 | 1/14 | 2184 | 355 |
| GW 21 829 | 1/14 | 2184 | 355 |
| GW 21 833 | 1/4 | 1248 | 358 |
| GW 21 835 | 1/14 | 4368 | 358 |
| GW 21 841 | 1/4 | 504 | 364 |
| GW 21 852 | 1/2 | 256 | 357 |
| GW 21 853 | 1/2 | 128 | 357 |
| GW 21 867 | 1/2 | 128 | 362 |
| GW 21 868 | 1/2 | 128 | 362 |
| GW 21 890 | 1 | 160 | 483 |
| GW 21 891 | 1 | 160 | 482 |
| GW 21 892 | 1 | 160 | 482 |
| GW 21 893 | 1 | 160 | 482 |
| GW 21 894 | 1 | 160 | 482 |
| GW 21 966 | 1 | 160 | 483 |
| GW 21 980 | 1 | 160 | 484 |
| GW 21 981 | 1 | 320 | 484 |
| GW 21 982 | 1 | 160 | 484 |
| GW 21 985 | 1 | 160 | 484 |
| GW 21 990 | 1 | 160 | 483 |
| GW 21 991 | 1 | 320 | 482 |
| GW 21 992 | 1 | 160 | 482 |
| GW 21 993 | 1 | 160 | 482 |
| GW 21 994 | 1 | 160 | 482 |
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| GW 22 101 | 96 | 4032 | 304 |
| GW 22 102 | 96 | 4032 | 304 |
| GW 22 103 | 96 | 5184 | 304 |
| GW 22 104 | 96 | 4032 | 304 |
| GW 22 106 | 48 | 2592 | 304 |
| GW 22 107 | 6 | 576 | 304 |
| GW 22 108 | 6 | 792 | 304 |
| GW 22 111 | 96 | 3456 | 304 |
| GW 22 112 | 12 | 1152 | 304 |
| GW 22 113 | 96 | 4032 | 304 |
| GW 22 114 | 12 | 1152 | 304 |
| GW 22 116 | 8 | 1280 | 304 |
| GW 22 117 | 6 | 576 | 304 |
| GW 22 121 | 24 | 1200 | 304 |
| GW 22 122 | 12 | 1152 | 304 |
| GW 22 123 | 24 | 1872 | 304 |
| GW 22 124 | 12 | 1152 | 304 |
| GW 22 126 | 8 | 720 | 304 |
| GW 22 127 | 6 | 384 | 304 |
| GW 22 131 | 24 | 1800 | 304 |
| GW 22 132 | 12 | 1152 | 304 |
| GW 22 133 | 24 | 1800 | 304 |
| GW 22 134 | 12 | 1152 | 304 |
| GW 22 136 | 8 | 960 | 304 |
| GW 22 137 | 6 | 384 | 304 |
| GW 22 141 | 24 | 2304 | 305 |
| GW 22 142 | 12 | 1152 | 305 |
| GW 22 143 | 24 | 1800 | 305 |
| GW 22 144 | 12 | 768 | 305 |
| GW 22 146 | 8 | 720 | 305 |
| GW 22 147 | 6 | 384 | 305 |
| GW 22 151 | 24 | 2304 | 305 |
| GW 22 152 | 12 | 768 | 305 |
| GW 22 153 | 24 | 2304 | 305 |
| GW 22 154 | 12 | 768 | 305 |

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| GW 22 156 | 8 | 720 | 305 |
| GW 22 157 | 6 | 576 | 305 |
| GW 22 161 | 24 | 1200 | 305 |
| GW 22 162 | 12 | 1152 | 305 |
| GW 22 163 | 24 | 1800 | 305 |
| GW 22 164 | 12 | 1152 | 305 |
| GW 22 166 | 8 | 960 | 305 |
| GW 22 167 | 6 | 576 | 305 |
| GW 22 171 | 24 | 1200 | 305 |
| GW 22 172 | 12 | 1152 | 305 |
| GW 22 173 | 24 | 2304 | 305 |
| GW 22 174 | 12 | 1152 | 305 |
| GW 22 176 | 8 | 960 | 305 |
| GW 22 177 | 6 | 576 | 305 |
| GW 22 181 | 24 | 2304 | 306 |
| GW 22 182 | 12 | 1152 | 306 |
| GW 22 183 | 24 | 1800 | 306 |
| GW 22 184 | 12 | 1152 | 306 |
| GW 22 186 | 8 | 960 | 306 |
| GW 22 187 | 6 | 384 | 306 |
| GW 22 251 | 12 | 1152 | 307 |
| GW 22 252 | 12 | 1440 | 307 |
| GW 22 253 | 24 | 768 | 307 |
| GW 22 254 | 12 | 1152 | 307 |
| GW 22 256 | 8 | 960 | 307 |
| GW 22 257 | 6 | 576 | 307 |
| GW 22 261 | 12 | 768 | 307 |
| GW 22 262 | 12 | 768 | 307 |
| GW 22 263 | 24 | 768 | 307 |
| GW 22 264 | 12 | 768 | 307 |
| GW 22 266 | 8 | 960 | 307 |
| GW 22 267 | 6 | 384 | 307 |
| GW 22 271 | 12 | 1440 | 307 |
| GW 22 272 | 12 | 768 | 307 |
| GW 22 273 | 24 | 1200 | 307 |
| GW 22 274 | 12 | 768 | 307 |
| GW 22 276 | 8 | 960 | 307 |
| GW 22 277 | 6 | 576 | 307 |
| GW 22 281 | 12 | 768 | 306 |
| GW 22 282 | 12 | 1152 | 306 |
| GW 22 283 | 24 | 1800 | 306 |
| GW 22 284 | 12 | 1152 | 306 |
| GW 22 286 | 8 | 1536 | 306 |
| GW 22 287 | 6 | 576 | 306 |
| GW 22 288 | 6 | 720 | 306 |
| GW 22 291 | 12 | 1152 | 306 |
| GW 22 292 | 12 | 1152 | 306 |
| GW 22 293 | 24 | 1800 | 306 |
| GW 22 294 | 12 | 1440 | 306 |
| GW 22 296 | 8 | 960 | 306 |
| GW 22 297 | 6 | 384 | 306 |
| GW 22 298 | 6 | 720 | 306 |
| GW 22 451 | 30 | 3990 | 308 |
| GW 22 451 | 30 | 3990 | 384 |
| GW 22 452 | 30 | 2700 | 308 |
| GW 22 452 | 30 | 2700 | 384 |
| GW 22 453 | 30 | 2700 | 308 |
| GW 22 453 | 30 | 2700 | 384 |
| GW 22 461 | 30 | 2700 | 308 |
| GW 22 461 | 30 | 2700 | 384 |
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| GW 22 462 | 30 | 900 | 384 |
| GW 22 463 | 30 | 1080 | 308 |
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| GW 22 472 | 3/30 | 540 | 309 |
| GW 22 472 | 3/30 | 540 | 1412 |
| GW 22 501 | 96 | 5184 | 300 |
| GW 22 502 | 96 | 5184 | 300 |
| GW 22 503 | 96 | 5184 | 300 |
| GW 22 504 | 96 | 5184 | 300 |
| GW 22 506 | 48 | 864 | 300 |
| GW 22 507 | 6 | 576 | 300 |
| GW 22 508 | 6 | 792 | 300 |
| GW 22 511 | 96 | 3456 | 300 |
| GW 22 512 | 12 | 1152 | 300 |
| GW 22 513 | 96 | 4032 | 300 |
| GW 22 514 | 12 | 1152 | 300 |
| GW 22 516 | 8 | 1280 | 300 |
| GW 22 517 | 6 | 576 | 300 |
| GW 22 521 | 24 | 2304 | 300 |
| GW 22 522 | 12 | 1152 | 300 |
| GW 22 523 | 24 | 1800 | 300 |
| GW 22 524 | 12 | 3840 | 300 |
| GW 22 526 | 8 | 960 | 300 |
| GW 22 527 | 6 | 576 | 300 |
| GW 22 531 | 24 | 2304 | 301 |
| GW 22 532 | 12 | 1152 | 301 |
| GW 22 533 | 24 | 1800 | 301 |
| GW 22 534 | 12 | 1152 | 301 |
| GW 22 536 | 8 | 720 | 301 |
| GW 22 537 | 6 | 384 | 301 |
| GW 22 541 | 24 | 1200 | 301 |
| GW 22 542 | 12 | 1152 | 301 |
| GW 22 543 | 24 | 1800 | 301 |
| GW 22 544 | 12 | 1152 | 301 |
| GW 22 546 | 8 | 960 | 301 |
| GW 22 547 | 6 | 576 | 301 |
| GW 22 551 | 24 | 2304 | 301 |
| GW 22 552 | 12 | 1152 | 301 |
| GW 22 553 | 24 | 1800 | 301 |
| GW 22 554 | 12 | 1152 | 301 |
| GW 22 556 | 8 | 960 | 301 |
| GW 22 557 | 6 | 576 | 301 |
| GW 22 561 | 24 | 1800 | 301 |
| GW 22 562 | 12 | 1152 | 301 |
| GW 22 563 | 24 | 1800 | 301 |
| GW 22 564 | 12 | 1152 | 301 |
| GW 22 566 | 8 | 960 | 301 |
| GW 22 567 | 6 | 384 | 301 |
| GW 22 571 | 24 | 2304 | 302 |
| GW 22 572 | 12 | 1152 | 302 |
| GW 22 573 | 24 | 1800 | 302 |
| GW 22 574 | 12 | 1152 | 302 |
| GW 22 576 | 8 | 720 | 302 |
| GW 22 577 | 6 | 384 | 302 |
| GW 22 581 | 24 | 1800 | 302 |
| GW 22 582 | 12 | 1440 | 302 |
| GW 22 583 | 24 | 1800 | 302 |
| GW 22 584 | 12 | 1152 | 302 |
| GW 22 586 | 8 | 960 | 302 |
| GW 22 587 | 6 | 384 | 302 |
| GW 22 601 | 12 | 1152 | 302 |
| GW 22 602 | 12 | 1152 | 302 |
| GW 22 603 | 12 | 1152 | 302 |
| GW 22 604 | 12 | 1920 | 302 |
| GW 22 606 | 8 | 768 | 302 |

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| GW 22 608 | 6 | 720 | 302 |
| GW 22 611 | 12 | 1152 | 302 |
| GW 22 612 | 12 | 768 | 302 |
| GW 22 613 | 12 | 1152 | 302 |
| GW 22 614 | 12 | 1152 | 302 |
| GW 22 616 | 8 | 960 | 302 |
| GW 22 617 | 6 | 576 | 302 |
| GW 22 618 | 6 | 720 | 302 |
| GW 22 651 | 12 | 1152 | 303 |
| GW 22 652 | 12 | 768 | 303 |
| GW 22 653 | 12 | 1152 | 303 |
| GW 22 654 | 12 | 768 | 303 |
| GW 22 656 | 8 | 960 | 303 |
| GW 22 657 | 6 | 576 | 303 |
| GW 22 661 | 12 | 768 | 303 |
| GW 22 662 | 12 | 768 | 303 |
| GW 22 663 | 12 | 1152 | 303 |
| GW 22 664 | 12 | 768 | 303 |
| GW 22 666 | 8 | 960 | 303 |
| GW 22 667 | 6 | 384 | 303 |
| GW 22 671 | 12 | 768 | 303 |
| GW 22 672 | 12 | 768 | 303 |
| GW 22 673 | 12 | 1152 | 303 |
| GW 22 674 | 12 | 768 | 303 |
| GW 22 676 | 8 | 960 | 303 |
| GW 22 677 | 6 | 384 | 303 |

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| GW 24 001 | 1/120 | 2880 | 308 |
| GW 24 002 | 1/120 | 2880 | 308 |
| GW 24 003 | 1/120 | 2880 | 308 |
| GW 24 004 | 1/60 | 1920 | 308 |
| GW 24 005 | 1/60 | 480 | 308 |
| GW 24 006 | 3/60 | 2400 | 309 |
| GW 24 006 | 3/60 | 2400 | 1412 |
| GW 24 007 | 3/30 | 480 | 309 |
| GW 24 007 | 3/30 | 480 | 1412 |
| GW 24 008 | 1/60 | 2400 | 308 |
| GW 24 009 | 1/60 | 1200 | 308 |
| GW 24 010 | 1/60 | 1440 | 308 |
| GW 24 011 | 1/60 | 1440 | 308 |
| GW 24 018 | 1/30 | 540 | 309 |
| GW 24 019 | 1/30 | 540 | 309 |
| GW 24 020 | 1/20 | 360 | 309 |
| GW 24 021 | 1/20 | 360 | 309 |
| GW 24 022 | 1/30 | 720 | 308 |
| GW 24 023 | 1/30 | 720 | 308 |
| GW 24 101 | 1/14 | 224 | 519 |
| GW 24 101 | 1/14 | 224 | 569 |
| GW 24 101 PM | 1/14 | 112 | 519 |
| GW 24 101 PM | 1/14 | 112 | 569 |
| GW 24 101 PM | 1/14 | 112 | 1345 |
| GW 24 102 | 1/6 | 72 | 519 |
| GW 24 102 | 1/6 | 72 | 569 |
| GW 24 102 PM | 1/6 | 96 | 519 |
| GW 24 102 PM | 1/6 | 96 | 569 |
| GW 24 102 PM | 1/6 | 96 | 1345 |
| GW 24 201 | 10/300 | 12000 | 310 |
| GW 24 202 | 10/150 | 7200 | 310 |
| GW 24 206 | 5/150 | 2400 | 1408 |
| GW 24 208 | 270 | 5400 | 1410 |
| GW 24 209 | 312 | 16848 | 1410 |
| GW 24 210 | 152 | 8208 | 1410 |

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| | Pack/carton | Pallet | |
| GW 24 211 | 1/120 | 2880 | 308 |
| GW 24 211 | 1/120 | 2880 | 1414 |
| GW 24 212 | 1/120 | 480 | 308 |
| GW 24 212 | 1/120 | 480 | 1414 |
| GW 24 213 | 1/60 | 960 | 308 |
| GW 24 213 | 1/60 | 960 | 1414 |
| GW 24 214 | 1/60 | 480 | 308 |
| GW 24 214 | 1/60 | 480 | 1414 |
| GW 24 215 | 1/60 | 480 | 308 |
| GW 24 215 | 1/60 | 480 | 1414 |
| GW 24 216 | 1/60 | 1200 | 308 |
| GW 24 216 | 1/60 | 1200 | 1414 |
| GW 24 218 | 50/400 | 8000 | 1346 |
| GW 24 218 | 50/400 | 8000 | 1414 |
| GW 24 220 | 50/600 | 9600 | 1414 |
| GW 24 221 | 280 | 4480 | 1410 |
| GW 24 224 | 500/7000 | 0 | 68 |
| GW 24 224 | 500/7000 | 0 | 1415 |
| GW 24 225 | 300/4200 | 0 | 68 |
| GW 24 225 | 300/4200 | 0 | 1415 |
| GW 24 227 | 5/50 | 1200 | 1414 |
| GW 24 228 | 5/50 | 2700 | 1414 |
| GW 24 229 | 300/4200 | 0 | 68 |
| GW 24 229 | 300/4200 | 0 | 1415 |
| GW 24 230 | 10/100 | 3200 | 310 |
| GW 24 231 | 5/200 | 4000 | 1409 |
| GW 24 232 | 5/200 | 6000 | 1410 |
| GW 24 233 | 20/200 | 14000 | 1410 |
| GW 24 234 PM | 5/200 | 4000 | 1345 |
| GW 24 237 | 2/24 | 1296 | 1408 |
| GW 24 237 PM | 2/24 | 288 | 1345 |
| GW 24 237 PM | 2/24 | 288 | 1345 |
| GW 24 238 | 2/24 | 720 | 1408 |
| GW 24 239 | 2/16 | 192 | 1408 |
| GW 24 240 | 10/60 | 960 | 310 |
| GW 24 241 | 10/40 | 640 | 310 |
| GW 24 262 | 10/120 | 9600 | 310 |
| GW 24 282 PM | 2/108 | 648 | 1345 |
| GW 24 321 | 200 | 12800 | 1346 |
| GW 24 321 | 200 | 12800 | 1408 |
| GW 24 322 | 10/100 | 6400 | 1414 |
| GW 24 323 | 10/100 | 5400 | 1414 |
| GW 24 324 | 10/100 | 5400 | 1414 |
| GW 24 330 | 150 | 5700 | 1409 |
| GW 24 403 | 15/345 | 5175 | 1408 |
| GW 24 403 P | 200 | 8000 | 1408 |
| GW 24 403 PM | 9/180 | 5400 | 1345 |
| GW 24 404 | 5/135 | 2700 | 1408 |
| GW 24 404 P | 50 | 2000 | 1408 |
| GW 24 404 PM | 2/120 | 1920 | 1345 |
| GW 24 406 | 3/36 | 2160 | 1408 |
| GW 24 406 P | 50 | 1000 | 1408 |
| GW 24 406 PM | 2/60 | 1800 | 1345 |
| GW 24 601 | 1 | 50 | 1405 |
| GW 24 602 | 1 | 30 | 1405 |
| GW 24 606 | 1 | 50 | 1406 |
| GW 24 607 | 1 | 30 | 1406 |
| GW 24 611 | 1 | 50 | 1405 |
| GW 24 612 | 1 | 30 | 1405 |
| GW 24 616 | 1 | 50 | 1406 |
| GW 24 617 | 1 | 30 | 1406 |
| GW 24 621 | 1 | 40 | 1407 |
| GW 24 622 | 1 | 25 | 1407 |
| GW 24 633 | 1/30 | 240 | 1407 |

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| GW26 | | | |
| GW 26 222 | 5/40 | 720 | 382 |
| GW 26 223 | 5/40 | 720 | 382 |
| GW 26 406 | 25/250 | 12500 | 387 |
| GW 26 406 | 25/250 | 12500 | 1208 |
| GW 26 406 | 25/250 | 12500 | 1326 |
| GW 26 407 | 200/1600 | 60800 | 68 |
| GW 26 407 | 200/1600 | 60800 | 388 |
| GW 26 409 | 5/300 | 10800 | 310 |
| GW 26 409 | 5/300 | 10800 | 743 |
| GW 26 410 | 5/150 | 5400 | 310 |
| GW 26 410 | 5/150 | 5400 | 743 |
| GW 26 417 | 1/12 | 480 | 382 |
| GW 26 420 | 1/20 | 360 | 385 |
| GW 26 421 | 1/20 | 360 | 385 |
| GW 26 427 | 1/12 | 720 | 382 |
| GW27 | | | |
| GW 27 001 | 5/80 | 2880 | 378 |
| GW 27 002 | 5/80 | 2880 | 378 |
| GW 27 003 | 3/60 | 1920 | 378 |
| GW 27 004 | 2/40 | 1680 | 378 |
| GW 27 005 | 1/30 | 1080 | 378 |
| GW 27 006 | 1/20 | 1000 | 378 |
| GW 27 007 | 1/20 | 600 | 378 |
| GW 27 008 | 1/20 | 480 | 378 |
| GW 27 021 | 2/40 | 1680 | 378 |
| GW 27 022 | 1/30 | 1080 | 378 |
| GW 27 023 | 1/20 | 960 | 378 |
| GW 27 024 | 1/20 | 600 | 378 |
| GW 27 041 | 5/60 | 4140 | 380 |
| GW 27 042 | 5/60 | 4140 | 380 |
| GW 27 043 | 2/40 | 2760 | 380 |
| GW 27 044 | 3/30 | 2070 | 380 |
| GW 27 051 | 1/20 | 640 | 380 |
| GW 27 052 | 1/15 | 480 | 380 |
| GW 27 056 | 1/12 | 480 | 380 |
| GW 27 057 | 1/12 | 480 | 380 |
| GW 27 062 | 5/60 | 1080 | 380 |
| GW 27 071 | 1/8 | 560 | 384 |
| GW 27 072 | 1/6 | 288 | 384 |
| GW 27 073 | 1/4 | 192 | 384 |
| GW 27 101 | 5/60 | 960 | 386 |
| GW 27 101 | 5/60 | 960 | 1207 |
| GW 27 102 | 2/30 | 480 | 386 |
| GW 27 102 | 2/30 | 480 | 1207 |
| GW 27 103 | 1/20 | 480 | 386 |
| GW 27 103 | 1/20 | 480 | 1207 |
| GW 27 104 | 1/10 | 240 | 386 |
| GW 27 104 | 1/10 | 240 | 1207 |
| GW 27 105 | 1/10 | 120 | 386 |
| GW 27 105 | 1/10 | 120 | 1207 |
| GW 27 111 | 5/60 | 960 | 386 |
| GW 27 111 | 5/60 | 960 | 1207 |
| GW 27 201 | 1/30 | 600 | 386 |
| GW 27 201 | 1/30 | 600 | 1208 |
| GW 27 202 | 1/30 | 540 | 386 |
| GW 27 202 | 1/30 | 540 | 1208 |
| GW 27 203 | 1/10 | 240 | 386 |
| GW 27 203 | 1/10 | 240 | 1208 |
| GW 27 204 | 1/10 | 240 | 386 |
| GW 27 204 | 1/10 | 240 | 1208 |
| GW 27 401 | 3/60 | 5400 | 384 |
| GW 27 401 | 3/60 | 5400 | 1098 |

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| | Pack/carton | Pallet | |
| GW 27 401 | 3/60 | 5400 | 1375 |
| GW 27 401 | 3/60 | 5400 | 1399 |
| GW 27 402 | 2/60 | 360 | 387 |
| GW 27 402 | 2/60 | 360 | 1208 |
| GW 27 403 | 3/60 | 5400 | 384 |
| GW 27 403 | 3/60 | 5400 | 1098 |
| GW 27 415 | 5/40 | 1680 | 382 |
| GW 27 416 | 5/40 | 720 | 382 |
| GW 27 417 | 5/40 | 720 | 382 |
| GW 27 418 | 5/40 | 720 | 382 |
| GW 27 419 | 5/40 | 720 | 382 |
| GW 27 421 | 1/12 | 384 | 382 |
| GW 27 422 | 1/12 | 384 | 382 |
| GW 27 423 | 1/12 | 240 | 382 |
| GW 27 424 | 1/12 | 240 | 382 |
| GW 27 431 B | 1/10 | 160 | 383 |
| GW 27 432 | 1/24 | 480 | 383 |
| GW 27 441 | 10/100 | 15600 | 387 |
| GW 27 442 | 10/100 | 35100 | 387 |
| GW 27 443 | 10/100 | 6400 | 387 |
| GW 27 603 | 10 | 500 | 379 |
| GW 27 609 | 10 | 500 | 379 |
| GW 27 615 | 10 | 500 | 379 |
| GW 27 616 | 10 | 500 | 379 |
| GW 27 621 | 10 | 500 | 379 |
| GW 27 622 | 10 | 500 | 379 |
| GW 27 627 | 5 | 360 | 379 |
| GW 27 628 | 5 | 360 | 379 |
| GW 27 801 | 5/60 | 1080 | 381 |
| GW 27 802 | 5/60 | 360 | 381 |
| GW 27 803 | 5/60 | 1080 | 381 |
| GW 27 804 | 5/60 | 1080 | 381 |
| GW 27 805 | 5/60 | 360 | 381 |
| GW 27 811 | 5/80 | 960 | 381 |
| GW 27 812 | 5/80 | 960 | 381 |
| GW 27 813 | 5/80 | 480 | 381 |
| GW 27 814 | 5/80 | 960 | 381 |
| GW 27 815 | 5/80 | 960 | 381 |
| GW 27 831 | 5/60 | 1080 | 381 |
| GW 27 832 | 5/60 | 1080 | 381 |
| GW 27 833 | 5/60 | 1080 | 381 |
| GW 27 834 | 5/60 | 1080 | 381 |
| GW 27 835 | 5/60 | 1080 | 381 |
| GW 27 836 | 2/40 | 720 | 381 |
| GW 27 841 | 5/60 | 1080 | 381 |
| GW 27 842 | 5/60 | 1080 | 381 |
| GW 27 843 | 5/60 | 1080 | 381 |
| GW 27 844 | 5/60 | 1080 | 381 |
| GW 27 845 | 5/60 | 360 | 381 |
| GW 27 861 | 1 | 33 | 389 |
| GW 27 862 | 1 | 440 | 389 |
| GW 27 863 | 1 | 440 | 389 |
| GW 27 864 | 1 | 440 | 390 |
| GW 27 865 | 1 | 440 | 389 |
| GW 27 866 | 1 | 140 | 389 |
| GW 27 867 | 1/24 | 576 | 390 |
| GW 27 868 | 1/24 | 576 | 390 |
| GW28 | | | |
| GW 28 003 | 25/250 | 18000 | 604 |
| GW 28 004 | 25/250 | 18000 | 604 |
| GW 28 005 | 25/150 | 10800 | 604 |
| GW 28 006 | 25/150 | 10800 | 604 |
| GW 28 007 | 25/150 | 7500 | 604 |

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| | Pack/carton | Pallet | |
| GW 28 008 | 25/150 | 7500 | 604 |
| GW 28 009 | 25/250 | 6000 | 604 |
| GW 28 010 | 25/250 | 6000 | 604 |
| GW 28 011 | 25/175 | 4200 | 604 |
| GW 28 012 | 25/175 | 4200 | 605 |
| GW 28 013 | 25/175 | 4200 | 604 |
| GW 28 203 | 25/250 | 5000 | 605 |
| GW 28 204 | 25/250 | 5000 | 605 |
| GW 28 205 | 25/150 | 10800 | 605 |
| GW 28 206 | 25/150 | 10800 | 605 |
| GW 28 409 | 50/200 | 2400 | 606 |
| GW 28 410 | 50/200 | 2400 | 606 |
| GW 28 415 | 15/150 | 3600 | 607 |
| GW 28 416 | 50/200 | 1600 | 606 |
| GW 28 417 | 50/200 | 1600 | 606 |
| GW 28 418 | 40/160 | 1280 | 606 |
| GW 28 419 | 40/160 | 1280 | 606 |
| GW 28 421 | 50/200 | 2400 | 606 |
| GW 28 423 | 50/200 | 1600 | 606 |
| GW 28 601 | 1/20 | 360 | 607 |
| GW 28 613 | 1/20 | 360 | 607 |
| GW30 | | | |
| GW 30 001 | 24/96 | 9600 | 415 |
| GW 30 002 | 24/48 | 3840 | 415 |
| GW 30 003 | 24/48 | 1920 | 415 |
| GW 30 004 | 24/48 | 3840 | 415 |
| GW 30 005 | 24/48 | 1920 | 415 |
| GW 30 006 | 24/48 | 1920 | 415 |
| GW 30 007 | 1/12 | 2340 | 415 |
| GW 30 011 | 24/96 | 9600 | 415 |
| GW 30 012 | 24/48 | 3840 | 415 |
| GW 30 013 | 24/48 | 1920 | 415 |
| GW 30 014 | 1/12 | 2340 | 415 |
| GW 30 015 | 24/48 | 4032 | 415 |
| GW 30 016 | 24/48 | 1920 | 416 |
| GW 30 021 | 24/96 | 9600 | 416 |
| GW 30 022 | 12/24 | 1872 | 416 |
| GW 30 023 | 12/24 | 3744 | 416 |
| GW 30 024 | 12/24 | 1872 | 416 |
| GW 30 025 | 12/24 | 1872 | 416 |
| GW 30 026 | 12/24 | 1872 | 416 |
| GW 30 027 | 12/24 | 1872 | 416 |
| GW 30 028 | 12/24 | 1872 | 416 |
| GW 30 029 | 12/24 | 1872 | 416 |
| GW 30 030 | 24/48 | 1920 | 416 |
| GW 30 031 | 4/32 | 1280 | 416 |
| GW 30 032 | 1/24 | 1872 | 416 |
| GW 30 033 | 12/24 | 1872 | 416 |
| GW 30 034 | 12/24 | 3744 | 416 |
| GW 30 035 | 12/24 | 1872 | 416 |
| GW 30 036 | 12/24 | 1872 | 416 |
| GW 30 037 | 12/24 | 1872 | 416 |
| GW 30 038 | 12/36 | 864 | 416 |
| GW 30 041 | 4/48 | 9360 | 417 |
| GW 30 042 | 4/48 | 9360 | 417 |
| GW 30 043 | 4/48 | 9360 | 417 |
| GW 30 044 | 4/48 | 9360 | 417 |
| GW 30 045 | 4/48 | 9360 | 417 |
| GW 30 046 | 4/48 | 9360 | 417 |
| GW 30 047 | 4/48 | 9360 | 417 |
| GW 30 048 | 4/48 | 9360 | 417 |
| GW 30 049 | 4/48 | 9360 | 417 |
| GW 30 050 | 4/48 | 9360 | 417 |

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| | Pack/carton | Pallet | |
| GW 30 051 | 4/48 | 9360 | 417 |
| GW 30 052 | 4/48 | 9360 | 417 |
| GW 30 053 | 4/48 | 9360 | 417 |
| GW 30 054 | 4/48 | 9360 | 417 |
| GW 30 055 | 4/48 | 9360 | 417 |
| GW 30 056 | 4/48 | 9360 | 417 |
| GW 30 061 | 4/48 | 9360 | 417 |
| GW 30 062 | 4/48 | 9360 | 417 |
| GW 30 063 | 4/48 | 9360 | 417 |
| GW 30 064 | 4/48 | 9360 | 417 |
| GW 30 065 | 4/48 | 9360 | 417 |
| GW 30 066 | 4/48 | 9360 | 417 |
| GW 30 067 | 4/48 | 9360 | 417 |
| GW 30 068 | 4/48 | 9360 | 417 |
| GW 30 069 | 4/48 | 9360 | 417 |
| GW 30 070 | 4/48 | 9360 | 417 |
| GW 30 071 | 4/48 | 9360 | 417 |
| GW 30 072 | 4/48 | 9360 | 417 |
| GW 30 073 | 4/48 | 9360 | 417 |
| GW 30 074 | 4/48 | 9360 | 417 |
| GW 30 075 | 4/48 | 9360 | 417 |
| GW 30 076 | 4/48 | 9360 | 417 |
| GW 30 077 | 4/48 | 9360 | 417 |
| GW 30 078 | 4/48 | 9360 | 417 |
| GW 30 079 | 4/48 | 9360 | 417 |
| GW 30 080 | 4/48 | 9360 | 417 |
| GW 30 081 | 4/48 | 9360 | 417 |
| GW 30 082 | 4/48 | 9360 | 417 |
| GW 30 091 | 4/48 | 9360 | 417 |
| GW 30 092 | 4/48 | 9360 | 417 |
| GW 30 093 | 4/48 | 9360 | 417 |
| GW 30 094 | 4/48 | 9360 | 417 |
| GW 30 095 | 4/48 | 9360 | 417 |
| GW 30 096 | 4/48 | 9360 | 417 |
| GW 30 097 | 4/48 | 9360 | 417 |
| GW 30 098 | 4/48 | 9360 | 417 |
| GW 30 099 | 4/48 | 9360 | 417 |
| GW 30 100 | 4/48 | 9360 | 417 |
| GW 30 101 | 1/2 | 312 | 418 |
| GW 30 102 | 1/6 | 1170 | 418 |
| GW 30 103 | 1/6 | 1170 | 418 |
| GW 30 111 | 1/12 | 2340 | 419 |
| GW 30 112 | 1/12 | 2340 | 419 |
| GW 30 116 | 1/12 | 2340 | 419 |
| GW 30 121 | 1/6 | 1638 | 419 |
| GW 30 201 | 24/96 | 9600 | 420 |
| GW 30 203 | 24/96 | 9600 | 420 |
| GW 30 210 | 12/48 | 1920 | 420 |
| GW 30 211 | 12/48 | 4800 | 422 |
| GW 30 212 | 12/48 | 4800 | 420 |
| GW 30 214 | 12/24 | 1920 | 421 |
| GW 30 215 | 12/48 | 1920 | 422 |
| GW 30 216 | 12/48 | 1920 | 422 |
| GW 30 219 | 12/48 | 2400 | 422 |
| GW 30 220 | 12/48 | 960 | 422 |
| GW 30 227 | 24/48 | 4032 | 423 |
| GW 30 232 | 24/48 | 3840 | 423 |
| GW 30 234 | 24/48 | 3840 | 422 |
| GW 30 235 | 12/48 | 960 | 423 |
| GW 30 237 | 12/48 | 1920 | 424 |
| GW 30 261 | 1/24 | 3744 | 424 |
| GW 30 262 | 1/12 | 2340 | 424 |
| GW 30 266 | 1/24 | 1872 | 425 |
| GW 30 267 | 1/24 | 3744 | 425 |

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| | Pack/carton | Pallet | |
| GW 30 272 | 1/12 | 3744 | 425 |
| GW 30 286 | 1/96 | 1440 | 425 |
| GW 30 287 | 1/96 | 5760 | 425 |
| GW 30 291 | 12/24 | 1872 | 426 |
| GW 30 292 | 12/24 | 1872 | 426 |
| GW 30 293 | 12/24 | 1872 | 426 |
| GW 30 301 | 24/48 | 2016 | 424 |
| GW 30 302 | 1/24 | 1872 | 424 |
| GW 30 303 | 1/24 | 1872 | 424 |
| GW 30 306 | 1/24 | 1872 | 424 |
| GW 30 311 | 24/48 | 1920 | 424 |
| GW 30 312 | 1/24 | 1872 | 424 |
| GW 30 313 | 1/24 | 3744 | 424 |
| GW 30 316 | 1/24 | 1872 | 424 |
| GW 30 321 | 24/48 | 2016 | 421 |
| GW 30 322 | 12/24 | 1728 | 421 |
| GW 30 323 | 12/48 | 960 | 420 |
| GW 30 331 | 24/48 | 1920 | 421 |
| GW 30 332 | 12/24 | 960 | 421 |
| GW 30 333 | 12/24 | 960 | 421 |
| GW 30 336 | 24/48 | 1920 | 421 |
| GW 30 337 | 12/24 | 960 | 421 |
| GW 30 338 | 12/24 | 1920 | 421 |
| GW 30 342 | 12/48 | 960 | 423 |
| GW 30 343 | 12/48 | 960 | 423 |
| GW 30 360 | 24/48 | 1920 | 427 |
| GW 30 371 | 1/12 | 2340 | 427 |
| GW 30 372 | 1/12 | 2340 | 427 |
| GW 30 373 | 1/12 | 2340 | 427 |
| GW 30 374 | 1/12 | 2340 | 427 |
| GW 30 375 | 1/12 | 2340 | 427 |
| GW 30 376 | 1/12 | 2520 | 427 |
| GW 30 377 | 1/6 | 1170 | 427 |
| GW 30 378 | 1/6 | 1170 | 427 |
| GW 30 379 | 1/6 | 1170 | 427 |
| GW 30 388 | 1/6 | 1170 | 427 |
| GW 30 389 | 1/6 | 1170 | 427 |
| GW 30 390 | 1/6 | 1170 | 427 |
| GW 30 395 | 1/12 | 2340 | 427 |
| GW 30 396 | 1/12 | 2340 | 427 |
| GW 30 401 | 1/6 | 1872 | 430 |
| GW 30 402 | 1/12 | 3276 | 430 |
| GW 30 403 | 1/12 | 2340 | 430 |
| GW 30 404 | 1/12 | 3276 | 430 |
| GW 30 406 | 1/6 | 1170 | 430 |
| GW 30 407 | 1/12 | 2340 | 430 |
| GW 30 409 | 1/12 | 3744 | 431 |
| GW 30 430 | 1/2 | 390 | 434 |
| GW 30 501 | 1/6 | 1638 | 428 |
| GW 30 515 | 1/2 | 312 | 432 |
| GW 30 516 | 2/4 | 624 | 432 |
| GW 30 519 | 1/2 | 156 | 432 |
| GW 30 520 | 1/2 | 156 | 432 |
| GW 30 522 | 1/2 | 156 | 116 |
| GW 30 522 | 1/2 | 156 | 164 |
| GW 30 522 | 1/2 | 156 | 212 |
| GW 30 522 | 1/2 | 156 | 337 |
| GW 30 522 | 1/2 | 156 | 363 |
| GW 30 522 | 1/2 | 156 | 433 |
| GW 30 601 | 8/16 | 240 | 428 |
| GW 30 603 | 8/16 | 1600 | 428 |
| GW 30 604 | 8/16 | 480 | 428 |
| GW 30 605 | 8/16 | 240 | 428 |
| GW 30 611 | 24/48 | 1920 | 428 |

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| | Pack/carton | Pallet | |
| GW 30 612 | 24/48 | 3840 | 428 |
| GW 30 613 | 24/48 | 1920 | 428 |
| GW 30 614 | 24/48 | 1920 | 428 |
| GW 30 615 | 24/48 | 3840 | 428 |
| GW 30 616 | 24/48 | 1920 | 428 |
| GW 30 633 | 12/24 | 1872 | 429 |
| GW 30 634 | 12/24 | 1872 | 429 |
| GW 30 635 | 12/24 | 1872 | 429 |
| GW 30 636 | 12/24 | 1872 | 429 |
| GW 30 685 | 1/12 | 576 | 425 |
| GW 30 686 | 1/12 | 288 | 425 |
| GW 30 702 | 2/4 | 624 | 431 |
| GW 30 703 | 2/12 | 576 | 431 |
| GW 30 706 | 1/2 | 312 | 431 |
| GW 30 711 | 2/4 | 624 | 434 |
| GW 30 726 | 1 | 24 | 434 |
| GW 30 901 | 5/200 | 30000 | 418 |
| GW 30 902 | 12/48 | 1920 | 418 |
| GW 30 903 | 8/32 | 576 | 418 |
| GW 30 905 | 24/48 | 1920 | 418 |
| GW 30 912 | 1/100 | 19500 | 117 |
| GW 30 912 | 1/100 | 19500 | 165 |
| GW 30 912 | 1/100 | 19500 | 213 |
| GW 30 912 | 1/100 | 19500 | 366 |
| GW 30 912 | 1/100 | 19500 | 435 |
| GW 30 938 | 50 | 9750 | 434 |
| GW 30 943 | 50 | 15600 | 365 |
| GW 30 943 | 50 | 15600 | 435 |
| GW 30 943 | 50 | 15600 | 1295 |
| GW 30 944 | 50 | 9750 | 365 |
| GW 30 944 | 50 | 9750 | 435 |
| GW 30 945 | 50 | 7800 | 1295 |
| GW 30 946 | 50 | 9750 | 365 |
| GW 30 946 | 50 | 9750 | 435 |
| GW 30 947 | 50 | 9750 | 365 |
| GW 30 947 | 50 | 9750 | 435 |
| GW 30 951 | 50 | 0 | 1295 |
| GW 30 952 | 50 | 9750 | 1295 |
| GW 30 958 | 10 | 1560 | 1296 |
| GW 30 959 | 10 | 1560 | 1296 |
| GW 30 960 | 10 | 1560 | 1296 |

| GW32 | | | |
|-----------|----|------|-----|
| GW 32 001 | 48 | 1920 | 410 |
| GW 32 002 | 48 | 1344 | 410 |
| GW 32 003 | 48 | 3360 | 410 |
| GW 32 004 | 24 | 1200 | 410 |
| GW 32 006 | 24 | 960 | 410 |
| GW 32 007 | 12 | 576 | 410 |
| GW 32 008 | 12 | 1152 | 410 |
| GW 32 009 | 6 | 450 | 410 |
| GW 32 011 | 48 | 1920 | 410 |
| GW 32 012 | 48 | 1920 | 410 |
| GW 32 013 | 48 | 4800 | 410 |
| GW 32 014 | 24 | 1728 | 410 |
| GW 32 016 | 24 | 1200 | 410 |
| GW 32 017 | 12 | 480 | 410 |
| GW 32 018 | 12 | 180 | 410 |
| GW 32 019 | 6 | 450 | 410 |
| GW 32 021 | 48 | 960 | 409 |
| GW 32 022 | 48 | 960 | 409 |
| GW 32 023 | 48 | 1152 | 409 |
| GW 32 024 | 24 | 1152 | 409 |
| GW 32 026 | 24 | 720 | 409 |

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| | Pack/carton | Pallet | |
| GW 32 027 | 12 | 576 | 409 |
| GW 32 028 | 12 | 336 | 409 |
| GW 32 029 | 6 | 120 | 409 |
| GW 32 041 | 48 | 1920 | 409 |
| GW 32 042 | 48 | 1920 | 409 |
| GW 32 043 | 48 | 960 | 409 |
| GW 32 044 | 24 | 1152 | 409 |
| GW 32 046 | 24 | 1080 | 409 |
| GW 32 047 | 12 | 576 | 409 |
| GW 32 051 | 48 | 960 | 409 |
| GW 32 052 | 48 | 960 | 409 |
| GW 32 053 | 48 | 1152 | 409 |
| GW 32 054 | 24 | 1200 | 409 |
| GW 32 056 | 24 | 1080 | 409 |
| GW 32 057 | 12 | 576 | 409 |
| GW 32 061 | 48 | 960 | 411 |
| GW 32 062 | 48 | 960 | 411 |
| GW 32 063 | 48 | 960 | 411 |
| GW 32 064 | 24 | 1152 | 411 |
| GW 32 066 | 24 | 720 | 411 |
| GW 32 067 | 12 | 456 | 411 |
| GW 32 071 | 48 | 960 | 411 |
| GW 32 072 | 48 | 1920 | 411 |
| GW 32 073 | 48 | 1152 | 411 |
| GW 32 074 | 24 | 1728 | 411 |
| GW 32 076 | 24 | 1080 | 411 |
| GW 32 077 | 12 | 576 | 411 |
| GW 32 081 | 48 | 960 | 410 |
| GW 32 082 | 48 | 1344 | 410 |
| GW 32 083 | 48 | 960 | 410 |
| GW 32 084 | 24 | 576 | 410 |
| GW 32 086 | 24 | 720 | 410 |
| GW 32 087 | 12 | 456 | 410 |
| GW 32 121 | 1/30 | 450 | 412 |
| GW 32 122 | 1/30 | 360 | 412 |
| GW 32 123 | 1/30 | 720 | 412 |
| GW 32 131 | 1/30 | 1200 | 412 |
| GW 32 132 | 1/30 | 300 | 412 |
| GW 32 133 | 1/30 | 900 | 412 |
| GW 32 241 | 96 | 576 | 406 |
| GW 32 242 | 12 | 960 | 406 |
| GW 32 243 | 96 | 3456 | 406 |
| GW 32 244 | 12 | 1344 | 406 |
| GW 32 246 | 8 | 720 | 406 |
| GW 32 301 | 96 | 576 | 406 |
| GW 32 302 | 12 | 960 | 406 |
| GW 32 303 | 96 | 3456 | 406 |
| GW 32 304 | 12 | 1344 | 406 |
| GW 32 306 | 8 | 768 | 406 |
| GW 32 321 | 24 | 1008 | 407 |
| GW 32 322 | 12 | 960 | 407 |
| GW 32 323 | 24 | 1008 | 407 |
| GW 32 324 | 12 | 960 | 407 |
| GW 32 326 | 8 | 1200 | 407 |
| GW 32 371 | 24 | 1008 | 406 |
| GW 32 372 | 12 | 960 | 406 |
| GW 32 373 | 24 | 1008 | 406 |
| GW 32 374 | 12 | 1344 | 406 |
| GW 32 376 | 8 | 480 | 406 |
| GW 32 391 | 24 | 1008 | 407 |
| GW 32 392 | 12 | 960 | 407 |
| GW 32 393 | 24 | 1200 | 407 |
| GW 32 394 | 12 | 960 | 407 |
| GW 32 396 | 8 | 1200 | 407 |

| Code | Quantity | | Page |
|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 32 401 | 10/150 | 1800 | 414 |
| GW 32 402 | 10/150 | 1800 | 414 |
| GW 32 403 | 10/150 | 5400 | 414 |
| GW 32 404 | 10/100 | 4000 | 414 |
| GW 32 406 | 10/100 | 3600 | 414 |
| GW 32 407 | 5/50 | 800 | 414 |
| GW 32 408 | 5/50 | 800 | 414 |
| GW 32 409 | 5/25 | 450 | 414 |
| GW 32 411 | 2/24 | 192 | 412 |
| GW 32 412 | 2/12 | 192 | 412 |
| GW 32 421 | 5/200 | 1200 | 414 |
| GW 32 422 | 5/100 | 1600 | 414 |
| GW 32 423 | 5/50 | 1000 | 414 |
| GW 32 431 | 3/60 | 960 | 309 |
| GW 32 431 | 3/60 | 960 | 412 |
| GW 32 431 | 3/60 | 960 | 1412 |
| GW 32 431 | 3/60 | 960 | 1413 |
| GW 32 432 | 3/60 | 840 | 309 |
| GW 32 432 | 3/60 | 840 | 412 |
| GW 32 432 | 3/60 | 840 | 1412 |
| GW 32 432 | 3/60 | 840 | 1413 |
| GW 32 436 | 3/51 | 306 | 412 |
| GW 32 436 | 3/51 | 306 | 1413 |
| GW 32 437 | 3/51 | 204 | 412 |
| GW 32 437 | 3/51 | 204 | 1413 |
| GW 32 450 | 1/10 | 300 | 413 |
| GW 32 450 | 1/10 | 300 | 1294 |
| GW 32 451 | 1/10 | 500 | 413 |
| GW 32 451 | 1/10 | 500 | 1294 |
| GW 32 452 | 1/10 | 300 | 413 |
| GW 32 452 | 1/10 | 300 | 1294 |
| GW 32 453 | 1/10 | 300 | 413 |
| GW 32 453 | 1/10 | 300 | 1294 |
| GW 32 457 | 1/10 | 1950 | 414 |
| GW 32 457 | 1/10 | 1950 | 1295 |
| GW 32 461 | 1/60 | 720 | 412 |
| GW 32 462 | 1/60 | 780 | 412 |
| GW 32 466 | 1/30 | 600 | 412 |
| GW 32 467 | 1/30 | 540 | 412 |
| GW 32 561 | 48 | 960 | 409 |
| GW 32 562 | 48 | 960 | 409 |
| GW 32 563 | 48 | 960 | 409 |
| GW 32 564 | 24 | 1152 | 409 |
| GW 32 566 | 24 | 480 | 409 |
| GW 32 567 | 12 | 456 | 409 |
| GW 32 581 | 48 | 960 | 410 |
| GW 32 582 | 48 | 960 | 410 |
| GW 32 583 | 48 | 960 | 410 |
| GW 32 584 | 24 | 1152 | 410 |
| GW 32 586 | 24 | 480 | 410 |
| GW 32 587 | 12 | 456 | 410 |
| GW 32 701 | 12 | 960 | 407 |
| GW 32 702 | 12 | 960 | 407 |
| GW 32 703 | 12 | 1440 | 407 |
| GW 32 704 | 12 | 960 | 407 |
| GW 32 706 | 8 | 960 | 407 |
| GW 32 711 | 12 | 960 | 407 |
| GW 32 712 | 12 | 960 | 407 |
| GW 32 713 | 12 | 1512 | 407 |
| GW 32 714 | 12 | 960 | 407 |
| GW 32 716 | 8 | 720 | 407 |
| GW 32 751 | 12 | 960 | 408 |
| GW 32 752 | 12 | 240 | 408 |
| GW 32 753 | 12 | 1440 | 408 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 32 754 | 12 | 960 | 408 |
| GW 32 756 | 8 | 720 | 408 |
| GW 32 761 | 12 | 960 | 408 |
| GW 32 762 | 12 | 960 | 408 |
| GW 32 763 | 12 | 1440 | 408 |
| GW 32 764 | 12 | 960 | 408 |
| GW 32 766 | 8 | 720 | 408 |
| GW 32 771 | 12 | 960 | 408 |
| GW 32 772 | 12 | 960 | 408 |
| GW 32 773 | 12 | 1440 | 408 |
| GW 32 774 | 12 | 960 | 408 |
| GW 32 776 | 8 | 720 | 408 |

| GW35 | | | |
|---------------|--------|------|-----|
| GW 35 001 Y | 10/100 | 1200 | 457 |
| GW 35 002 W | 10/100 | 1400 | 450 |
| GW 35 002 Y | 10/100 | 1400 | 457 |
| GW 35 003 W | 10/100 | 1800 | 450 |
| GW 35 003 Y | 10/100 | 1800 | 457 |
| GW 35 006 W ① | 10/100 | 0 | 450 |
| GW 35 006 Y ① | 10/100 | 0 | 457 |
| GW 35 011 Y | 10/100 | 6000 | 458 |
| GW 35 012 W | 10/100 | 5000 | 451 |
| GW 35 012 Y | 10/100 | 1400 | 458 |
| GW 35 015 W | 10/100 | 1800 | 451 |
| GW 35 015 Y | 10/100 | 1800 | 458 |
| GW 35 016 W ① | 10/100 | 0 | 451 |
| GW 35 016 Y ① | 10/100 | 0 | 458 |
| GW 35 021 W | 10/100 | 1200 | 451 |
| GW 35 021 Y | 10/100 | 1200 | 458 |
| GW 35 022 W | 10/100 | 1200 | 451 |
| GW 35 022 Y | 10/100 | 1400 | 458 |
| GW 35 026 W ① | 10/100 | 0 | 451 |
| GW 35 026 Y ① | 10/100 | 0 | 458 |
| GW 35 031 W | 10/100 | 6000 | 450 |
| GW 35 051 W | 10/100 | 6000 | 450 |
| GW 35 051 Y | 10/100 | 900 | 457 |
| GW 35 052 W | 10/100 | 6000 | 451 |
| GW 35 052 Y | 10/100 | 1200 | 458 |
| GW 35 071 W | 10/100 | 6000 | 451 |
| GW 35 201 Y | 10/100 | 1200 | 459 |
| GW 35 202 Y | 10/100 | 5200 | 459 |
| GW 35 203 W | 10/100 | 1200 | 452 |
| GW 35 203 Y | 10/100 | 1200 | 459 |
| GW 35 204 W | 6/60 | 3000 | 452 |
| GW 35 204 Y | 6/60 | 1000 | 459 |
| GW 35 206 W | 10/100 | 5200 | 452 |
| GW 35 207 W | 10/100 | 5200 | 452 |
| GW 35 211 Y | 10/100 | 1200 | 459 |
| GW 35 212 W | 10/100 | 1200 | 452 |
| GW 35 212 Y | 10/100 | 1200 | 459 |
| GW 35 213 W | 10/100 | 1200 | 452 |
| GW 35 213 Y | 10/100 | 1200 | 459 |
| GW 35 214 W | 6/60 | 1000 | 452 |
| GW 35 214 Y | 6/60 | 1000 | 459 |
| GW 35 216 W | 10/100 | 5200 | 452 |
| GW 35 251 W | 10/100 | 3200 | 454 |
| GW 35 251 Y | 10/100 | 1400 | 461 |
| GW 35 261 W | 10/100 | 3200 | 454 |
| GW 35 261 Y | 10/100 | 1400 | 461 |
| GW 35 271 W | 10/100 | 1400 | 454 |
| GW 35 271 Y | 10/100 | 1400 | 461 |
| GW 35 272 W | 10/100 | 1400 | 454 |
| GW 35 272 Y | 10/100 | 1400 | 461 |

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| | Pack/carton | Pallet | |
| GW 35 273 W | 10/100 | 1400 | 454 |
| GW 35 273 Y | 10/100 | 1400 | 461 |
| GW 35 274 W | 10/100 | 1400 | 454 |
| GW 35 274 Y | 10/100 | 1400 | 461 |
| GW 35 280 W | 10/100 | 1800 | 454 |
| GW 35 280 Y | 10/100 | 1800 | 461 |
| GW 35 301 W ② | 10/100 | 0 | 453 |
| GW 35 301 Y ② | 10/100 | 0 | 460 |
| GW 35 901 AD | 240 | 5760 | 449 |
| GW 35 901 AG | 240 | 5760 | 449 |
| GW 35 901 AH | 240 | 5760 | 448 |
| GW 35 901 AM | 240 | 5760 | 449 |
| GW 35 901 AN | 240 | 5760 | 449 |
| GW 35 901 AW | 240 | 7200 | 448 |
| GW 35 901 AY | 240 | 7200 | 448 |
| GW 35 902 AD | 120 | 960 | 449 |
| GW 35 902 AG | 120 | 960 | 449 |
| GW 35 902 AH | 120 | 960 | 448 |
| GW 35 902 AM | 120 | 960 | 449 |
| GW 35 902 AN | 120 | 960 | 449 |
| GW 35 902 AW | 120 | 2880 | 448 |
| GW 35 902 AY | 120 | 960 | 448 |
| GW 35 903 AD | 100 | 1200 | 449 |
| GW 35 903 AG | 100 | 1200 | 449 |
| GW 35 903 AH | 100 | 1200 | 448 |
| GW 35 903 AM | 100 | 1200 | 449 |
| GW 35 903 AN | 100 | 800 | 449 |
| GW 35 903 AW | 100 | 800 | 448 |
| GW 35 903 AY | 100 | 1200 | 448 |
| GW 35 904 AD | 80 | 960 | 449 |
| GW 35 904 AG | 80 | 960 | 449 |
| GW 35 904 AH | 80 | 960 | 448 |
| GW 35 904 AM | 80 | 960 | 449 |
| GW 35 904 AN | 80 | 960 | 449 |
| GW 35 904 AW | 80 | 640 | 448 |
| GW 35 904 AY | 80 | 960 | 448 |
| GW 35 905 AD | 60 | 720 | 449 |
| GW 35 905 AG | 60 | 720 | 449 |
| GW 35 905 AH | 60 | 720 | 448 |
| GW 35 905 AM | 60 | 720 | 449 |
| GW 35 905 AN | 60 | 720 | 449 |
| GW 35 905 AW | 60 | 720 | 448 |
| GW 35 905 AY | 60 | 720 | 448 |
| GW 35 909 AD | 120 | 960 | 449 |
| GW 35 909 AG | 120 | 960 | 449 |
| GW 35 909 AH | 120 | 960 | 448 |
| GW 35 909 AM | 120 | 960 | 449 |
| GW 35 909 AN | 120 | 960 | 449 |
| GW 35 909 AW | 120 | 2880 | 448 |
| GW 35 909 AY | 120 | 960 | 448 |
| GW 35 911 ① | 1/20 | 0 | 456 |
| GW 35 911 ① | 1/20 | 0 | 463 |
| GW 35 912 ① | 1/10 | 0 | 456 |
| GW 35 912 ① | 1/10 | 0 | 463 |
| GW 35 981 | 50/500 | 0 | 455 |
| GW 35 981 | 50/500 | 0 | 462 |
| GW 35 986 ① | 10/100 | 0 | 455 |
| GW 35 986 ① | 10/100 | 0 | 462 |
| GW 35 991 | 20/200 | 10400 | 455 |
| GW 35 991 | 20/200 | 10400 | 462 |
| GW 35 996 ① | 50/500 | 0 | 456 |
| GW 35 996 ① | 50/500 | 0 | 463 |

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| | Pack/carton | Pallet | |
| GW38 | | | |
| GW 38 031 | 8/48 | 0 | 590 |
| GW 38 032 | 8/48 | 0 | 590 |
| GW 38 033 | 8/48 | 0 | 590 |
| GW 38 034 | 8/48 | 0 | 591 |
| GW 38 035 | 8/48 | 0 | 591 |
| GW 38 036 | 8/48 | 0 | 591 |
| GW 38 051 | 1 | 768 | 592 |
| GW 38 056 | 1/48 | 3072 | 101 |
| GW 38 056 | 1/48 | 3072 | 149 |
| GW 38 056 | 1/48 | 3072 | 197 |
| GW 38 056 | 1/48 | 3072 | 224 |
| GW 38 056 | 1/48 | 3072 | 325 |
| GW 38 056 | 1/48 | 3072 | 351 |
| GW 38 056 | 1/48 | 3072 | 455 |
| GW 38 056 | 1/48 | 3072 | 462 |
| GW 38 056 | 1/48 | 3072 | 592 |
| GW 38 057 | 1/48 | 3072 | 101 |
| GW 38 057 | 1/48 | 3072 | 149 |
| GW 38 057 | 1/48 | 3072 | 197 |
| GW 38 057 | 1/48 | 3072 | 224 |
| GW 38 057 | 1/48 | 3072 | 325 |
| GW 38 057 | 1/48 | 3072 | 351 |
| GW 38 057 | 1/48 | 3072 | 455 |
| GW 38 057 | 1/48 | 3072 | 462 |
| GW 38 057 | 1/48 | 3072 | 592 |
| GW 38 088 | 20/100 | 6400 | 592 |
| GW 38 089 | 20/100 | 31200 | 592 |
| GW 38 097 | 1/6 | 468 | 625 |
| GW 38 097 | 1/6 | 468 | 1261 |
| GW 38 097 | 1/6 | 468 | 1377 |
| GW 38 098 | 1 | 78 | 625 |
| GW 38 098 | 1 | 78 | 1261 |
| GW 38 098 | 1 | 78 | 1377 |
| GW 38 099 | 1/6 | 468 | 625 |
| GW 38 099 | 1/6 | 468 | 1261 |
| GW 38 099 | 1/6 | 468 | 1377 |
| GW 38 107 | 1/24 | 1200 | 590 |
| GW 38 108 | 1/24 | 960 | 590 |
| GW 38 109 | 1/24 | 432 | 590 |
| GW 38 116 | 1/24 | 720 | 590 |
| GW 38 117 | 1/24 | 576 | 590 |
| GW 38 118 | 1/24 | 480 | 590 |
| GW 38 119 | 1/24 | 384 | 590 |
| GW 38 121 | 1/24 | 720 | 591 |
| GW 38 122 | 1/24 | 720 | 591 |
| GW 38 123 | 1/24 | 480 | 591 |
| GW 38 124 | 1/24 | 384 | 591 |
| GW 38 131 | 1/24 | 720 | 590 |
| GW 38 132 | 1/24 | 384 | 590 |
| GW 38 133 | 1/24 | 216 | 590 |
| GW 38 189 | 305 | 8235 | 591 |
| GW 38 190 | 305 | 3660 | 591 |
| GW 38 201 | 305 | 8235 | 591 |
| GW 38 401 | 1 | 6 | 593 |
| GW 38 402 | 1 | 4 | 593 |
| GW 38 403 | 1 | 3 | 593 |
| GW 38 404 | 1 | 3 | 593 |
| GW 38 412 | 1 | 4 | 593 |
| GW 38 413 | 1 | 3 | 593 |
| GW 38 421 | 1 | 1 | 595 |
| GW 38 422 | 1 | 1 | 595 |
| GW 38 431 | 1 | 24 | 593 |
| GW 38 437 | 1/5 | 810 | 593 |

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| | Pack/carton | Pallet | |
| GW 38 438 | 1/5 | 350 | 593 |
| GW 38 439 | 1/2 | 160 | 593 |
| GW 38 440 | 1/2 | 552 | 593 |
| GW 38 441 | 1/2 | 120 | 593 |
| GW 38 506 | 1 | 35 | 595 |
| GW 38 512 | 1 | 120 | 595 |
| GW 38 516 | 1/2 | 36 | 597 |
| GW 38 517 | 1/2 | 24 | 597 |
| GW 38 521 | 1/4 | 196 | 597 |
| GW 38 526 | 1/10 | 1280 | 597 |
| GW 38 531 | 1 | 112 | 597 |
| GW 38 532 | 1 | 112 | 597 |
| GW 38 537 | 1 | 135 | 596 |
| GW 38 538 | 1 | 135 | 596 |
| GW 38 542 | 1 | 130 | 596 |
| GW 38 544 | 1 | 48 | 596 |
| GW 38 545 | 1 | 90 | 596 |
| GW 38 546 | 1/10 | 960 | 596 |
| GW 38 547 | 1/10 | 400 | 596 |
| GW 38 548 | 1 | 160 | 596 |
| GW 38 549 | 1 | 150 | 596 |
| GW 38 556 | 1/20 | 2560 | 598 |
| GW 38 561 | 1 | 700 | 595 |
| GW 38 561 | 1 | 700 | 895 |
| GW 38 562 | 1 | 42 | 595 |
| GW 38 563 | 1 | 128 | 595 |
| GW 38 564 | 1 | 60 | 595 |
| GW 38 565 | 1 | 60 | 595 |
| GW 38 566 | 1 | 312 | 595 |
| GW 38 572 | 1/6 | 36 | 596 |
| GW 38 581 | 1 | 20 | 594 |
| GW 38 582 | 1 | 10 | 595 |
| GW 38 583 | 1 | 10 | 595 |

| GW40 | | | |
|--------------|----|------|------|
| GW 40 001 | 24 | 864 | 1254 |
| GW 40 003 | 24 | 600 | 1254 |
| GW 40 005 | 8 | 200 | 1254 |
| GW 40 007 | 6 | 96 | 1254 |
| GW 40 009 | 4 | 64 | 1254 |
| GW 40 022 | 84 | 2520 | 1257 |
| GW 40 023 | 36 | 1800 | 1257 |
| GW 40 024 | 34 | 1020 | 1257 |
| GW 40 025 | 24 | 384 | 1271 |
| GW 40 026 | 24 | 600 | 1257 |
| GW 40 028 | 12 | 300 | 1257 |
| GW 40 030 | 12 | 240 | 1257 |
| GW 40 032 | 9 | 108 | 1257 |
| GW 40 043 | 14 | 490 | 1255 |
| GW 40 043 BS | 14 | 490 | 1255 |
| GW 40 045 | 9 | 270 | 1255 |
| GW 40 045 BS | 9 | 270 | 1255 |
| GW 40 047 | 6 | 180 | 1255 |
| GW 40 047 BD | 6 | 180 | 1255 |
| GW 40 047 BS | 6 | 120 | 1255 |
| GW 40 049 | 2 | 70 | 1255 |
| GW 40 049 BD | 2 | 0 | 1255 |
| GW 40 049 BS | 2 | 0 | 1255 |
| GW 40 051 | 2 | 60 | 1255 |
| GW 40 051 BD | 2 | 0 | 1255 |
| GW 40 053 | 1 | 24 | 1255 |
| GW 40 053 BD | 1 | 0 | 1255 |
| GW 40 053 BQ | 1 | 0 | 1255 |
| GW 40 063 | 14 | 252 | 1255 |

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| | Pack/carton | Pallet | |
| GW 40 063 BS | 14 | 252 | 1256 |
| GW 40 065 | 9 | 270 | 1255 |
| GW 40 065 BS | 9 | 225 | 1256 |
| GW 40 067 | 6 | 150 | 1255 |
| GW 40 067 BD | 6 | 150 | 1256 |
| GW 40 067 BS | 6 | 150 | 1256 |
| GW 40 069 | 2 | 70 | 1255 |
| GW 40 069 BD | 2 | 0 | 1256 |
| GW 40 069 BS | 2 | 0 | 1256 |
| GW 40 071 | 2 | 50 | 1255 |
| GW 40 071 BD | 2 | 50 | 1256 |
| GW 40 073 | 1 | 19 | 1255 |
| GW 40 073 BD | 1 | 0 | 1256 |
| GW 40 073 BQ | 1 | 0 | 1256 |
| GW 40 082 | 1/14 | 84 | 1271 |
| GW 40 090 | 1/2 | 16 | 1271 |
| GW 40 092 | 1 | 4 | 1271 |
| GW 40 101 | 19 | 570 | 1252 |
| GW 40 102 | 12 | 360 | 1252 |
| GW 40 102 BS | 12 | 0 | 1252 |
| GW 40 103 | 6 | 150 | 1123 |
| GW 40 103 | 6 | 150 | 1252 |
| GW 40 103 BS | 6 | 150 | 1252 |
| GW 40 104 | 3 | 105 | 1123 |
| GW 40 104 | 3 | 105 | 1253 |
| GW 40 104 BD | 3 | 0 | 1253 |
| GW 40 104 BS | 3 | 0 | 1253 |
| GW 40 105 | 2 | 60 | 1253 |
| GW 40 105 BD | 2 | 0 | 1253 |
| GW 40 105 UD | 2 | 0 | 1253 |
| GW 40 106 | 3 | 105 | 1123 |
| GW 40 106 | 3 | 105 | 1252 |
| GW 40 106 BS | 3 | 0 | 1252 |
| GW 40 107 | 2 | 70 | 1253 |
| GW 40 107 BD | 2 | 0 | 1253 |
| GW 40 107 BS | 2 | 0 | 1253 |
| GW 40 108 | 1 | 30 | 1253 |
| GW 40 108 BD | 1 | 0 | 1253 |
| GW 40 108 BT | 1 | 0 | 1253 |
| GW 40 109 | 1 | 24 | 1253 |
| GW 40 109 BD | 1 | 0 | 1253 |
| GW 40 109 BQ | 1 | 0 | 1253 |
| GW 40 112 | 1/12 | 84 | 1270 |
| GW 40 113 | 6 | 72 | 1270 |
| GW 40 114 | 3 | 54 | 1270 |
| GW 40 115 | 2 | 40 | 1270 |
| GW 40 116 | 1/3 | 24 | 1270 |
| GW 40 117 | 1/2 | 12 | 1270 |
| GW 40 118 | 1 | 7 | 1270 |
| GW 40 119 | 1 | 19 | 1270 |
| GW 40 123 | 6 | 72 | 1270 |
| GW 40 124 | 3 | 60 | 1270 |
| GW 40 125 | 2 | 40 | 1270 |
| GW 40 151 | 2 | 72 | 1274 |
| GW 40 152 | 2 | 60 | 1274 |
| GW 40 153 | 2 | 40 | 1274 |
| GW 40 154 | 2 | 36 | 1274 |
| GW 40 161 | 2 | 80 | 1275 |
| GW 40 161 | 2 | 80 | 1371 |
| GW 40 162 | 2 | 48 | 1275 |
| GW 40 162 | 2 | 48 | 1371 |
| GW 40 163 | 2 | 40 | 1275 |
| GW 40 163 | 2 | 40 | 1371 |
| GW 40 164 | 2 | 36 | 1275 |

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| | Pack/carton | Pallet | |
| GW 40 164 | 2 | 36 | 1371 |
| GW 40 225 TB | 16 | 320 | 1362 |
| GW 40 225 TN | 16 | 256 | 1362 |
| GW 40 225 VA | 16 | 256 | 1362 |
| GW 40 225 VT | 16 | 256 | 1362 |
| GW 40 229 TB | 12 | 192 | 1362 |
| GW 40 229 TN | 12 | 192 | 1362 |
| GW 40 229 VA | 12 | 192 | 1362 |
| GW 40 229 VT | 12 | 192 | 1362 |
| GW 40 233 TB | 5 | 150 | 1362 |
| GW 40 233 TN | 5 | 100 | 1362 |
| GW 40 233 VA | 5 | 80 | 1362 |
| GW 40 233 VT | 5 | 80 | 1362 |
| GW 40 237 TB | 12 | 360 | 1362 |
| GW 40 237 TN | 12 | 144 | 1362 |
| GW 40 237 VA | 12 | 360 | 1362 |
| GW 40 237 VT | 12 | 360 | 1362 |
| GW 40 239 TB | 5 | 100 | 1362 |
| GW 40 239 TN | 5 | 60 | 1362 |
| GW 40 239 VA | 5 | 60 | 1362 |
| GW 40 239 VT | 5 | 60 | 1362 |
| GW 40 285 TB | 16 | 256 | 1363 |
| GW 40 287 TB | 12 | 144 | 1363 |
| GW 40 289 TB | 12 | 192 | 1363 |
| GW 40 293 TB | 5 | 80 | 1363 |
| GW 40 299 TB | 5 | 60 | 1363 |
| GW 40 331 | 10 | 160 | 1268 |
| GW 40 332 | 10 | 160 | 1268 |
| GW 40 336 | 10 | 150 | 1269 |
| GW 40 337 | 6 | 144 | 1269 |
| GW 40 338 | 10 | 160 | 1269 |
| GW 40 339 | 6 | 144 | 1269 |
| GW 40 340 | 30 | 720 | 1268 |
| GW 40 390 | 1 | 40 | 1369 |
| GW 40 391 | 1 | 20 | 1257 |
| GW 40 401 | 10 | 3120 | 1074 |
| GW 40 401 | 10 | 3120 | 1099 |
| GW 40 401 | 10 | 3120 | 1100 |
| GW 40 401 | 10 | 3120 | 1258 |
| GW 40 401 | 10 | 3120 | 1273 |
| GW 40 401 | 10 | 3120 | 1338 |
| GW 40 401 | 10 | 3120 | 1374 |
| GW 40 402 | 10 | 1440 | 1074 |
| GW 40 402 | 10 | 1440 | 1099 |
| GW 40 402 | 10 | 1440 | 1100 |
| GW 40 402 | 10 | 1440 | 1258 |
| GW 40 402 | 10 | 1440 | 1273 |
| GW 40 402 | 10 | 1440 | 1338 |
| GW 40 402 | 10 | 1440 | 1374 |
| GW 40 404 | 10 | 600 | 1258 |
| GW 40 404 | 10 | 600 | 1273 |
| GW 40 404 | 10 | 600 | 1338 |
| GW 40 404 | 10 | 600 | 1374 |
| GW 40 408 B | 1/10 | 3120 | 1074 |
| GW 40 408 B | 1/10 | 3120 | 1099 |
| GW 40 408 B | 1/10 | 3120 | 1100 |
| GW 40 408 B | 1/10 | 3120 | 1258 |
| GW 40 408 B | 1/10 | 3120 | 1273 |
| GW 40 408 B | 1/10 | 3120 | 1338 |
| GW 40 408 B | 1/10 | 3120 | 1374 |
| GW 40 408 U | 1/10 | 3120 | 1074 |
| GW 40 408 U | 1/10 | 3120 | 1099 |
| GW 40 408 U | 1/10 | 3120 | 1100 |
| GW 40 408 U | 1/10 | 3120 | 1258 |

| Code | Quantity | | Page |
|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 40 408 U | 1/10 | 3120 | 1273 |
| GW 40 408 U | 1/10 | 3120 | 1338 |
| GW 40 408 U | 1/10 | 3120 | 1374 |
| GW 40 412 B | 1/10 | 1260 | 1074 |
| GW 40 412 B | 1/10 | 1260 | 1099 |
| GW 40 412 B | 1/10 | 1260 | 1100 |
| GW 40 412 B | 1/10 | 1260 | 1258 |
| GW 40 412 B | 1/10 | 1260 | 1273 |
| GW 40 412 B | 1/10 | 1260 | 1338 |
| GW 40 412 B | 1/10 | 1260 | 1374 |
| GW 40 412 U | 1/10 | 1260 | 1074 |
| GW 40 412 U | 1/10 | 1260 | 1099 |
| GW 40 412 U | 1/10 | 1260 | 1100 |
| GW 40 412 U | 1/10 | 1260 | 1258 |
| GW 40 412 U | 1/10 | 1260 | 1273 |
| GW 40 412 U | 1/10 | 1260 | 1338 |
| GW 40 412 U | 1/10 | 1260 | 1374 |
| GW 40 413 | 20 | 1440 | 1074 |
| GW 40 413 | 20 | 1440 | 1099 |
| GW 40 413 | 20 | 1440 | 1100 |
| GW 40 413 | 20 | 1440 | 1258 |
| GW 40 413 | 20 | 1440 | 1273 |
| GW 40 413 | 20 | 1440 | 1338 |
| GW 40 413 | 20 | 1440 | 1374 |
| GW 40 418 B | 1/10 | 600 | 1258 |
| GW 40 418 B | 1/10 | 600 | 1338 |
| GW 40 418 B | 1/10 | 600 | 1374 |
| GW 40 418 U | 1/10 | 360 | 1258 |
| GW 40 418 U | 1/10 | 360 | 1338 |
| GW 40 418 U | 1/10 | 360 | 1374 |
| GW 40 421 | 10/100 | 40000 | 1260 |
| GW 40 421 | 10/100 | 40000 | 1274 |
| GW 40 421 | 10/100 | 40000 | 1376 |
| GW 40 422 | 1/10 | 1100 | 413 |
| GW 40 422 | 1/10 | 1100 | 1072 |
| GW 40 422 | 1/10 | 1100 | 1096 |
| GW 40 422 | 1/10 | 1100 | 1260 |
| GW 40 422 | 1/10 | 1100 | 1274 |
| GW 40 422 | 1/10 | 1100 | 1283 |
| GW 40 422 | 1/10 | 1100 | 1296 |
| GW 40 422 | 1/10 | 1100 | 1337 |
| GW 40 422 | 1/10 | 1100 | 1376 |
| GW 40 422 U | 1/10 | 1260 | 1074 |
| GW 40 422 U | 1/10 | 1260 | 1099 |
| GW 40 422 U | 1/10 | 1260 | 1100 |
| GW 40 422 U | 1/10 | 1260 | 1258 |
| GW 40 422 U | 1/10 | 1260 | 1273 |
| GW 40 422 U | 1/10 | 1260 | 1338 |
| GW 40 422 U | 1/10 | 1260 | 1374 |
| GW 40 423 | 50 | 7200 | 1230 |
| GW 40 423 | 50 | 7200 | 1236 |
| GW 40 423 | 50 | 7200 | 1260 |
| GW 40 423 | 50 | 7200 | 1272 |
| GW 40 423 | 50 | 7200 | 1297 |
| GW 40 423 | 50 | 7200 | 1377 |
| GW 40 423 | 50 | 7200 | 1400 |
| GW 40 425 | 10 | 3360 | 1337 |
| GW 40 425 | 10 | 3360 | 1372 |
| GW 40 428 | 1/20 | 840 | 1274 |
| GW 40 451 | 20 | 1440 | 1276 |
| GW 40 451 | 20 | 1440 | 1374 |
| GW 40 452 | 20 | 1440 | 1276 |
| GW 40 452 | 20 | 1440 | 1374 |
| GW 40 453 | 20 | 1440 | 1276 |

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| | Pack/carton | Pallet | |
| GW 40 453 | 20 | 1440 | 1374 |
| GW 40 456 | 50 | 6000 | 1277 |
| GW 40 456 | 50 | 6000 | 1375 |
| GW 40 457 | 50 | 3600 | 1277 |
| GW 40 457 | 50 | 3600 | 1375 |
| GW 40 458 | 30 | 1080 | 1277 |
| GW 40 458 | 30 | 1080 | 1375 |
| GW 40 459 | 20 | 600 | 1277 |
| GW 40 459 | 20 | 600 | 1375 |
| GW 40 460 | 50 | 3600 | 1277 |
| GW 40 460 | 50 | 3600 | 1375 |
| GW 40 461 | 20 | 1400 | 1277 |
| GW 40 461 | 20 | 1400 | 1375 |
| GW 40 463 | 1/10 | 3120 | 1278 |
| GW 40 463 | 1/10 | 3120 | 1376 |
| GW 40 467 | 50 | 6400 | 1260 |
| GW 40 467 | 50 | 6400 | 1272 |
| GW 40 467 | 50 | 6400 | 1278 |
| GW 40 467 | 50 | 6400 | 1283 |
| GW 40 467 | 50 | 6400 | 1337 |
| GW 40 467 | 50 | 6400 | 1377 |
| GW 40 467 TB | 50 | 6400 | 625 |
| GW 40 467 TB | 50 | 6400 | 1372 |
| GW 40 467 TN | 50 | 6400 | 1372 |
| GW 40 467 VA | 50 | 6400 | 1372 |
| GW 40 467 VT | 50 | 6400 | 1372 |
| GW 40 468 | 50 | 6400 | 1377 |
| GW 40 473 | 20 | 320 | 1258 |
| GW 40 473 | 20 | 320 | 1272 |
| GW 40 474 | 20 | 400 | 1258 |
| GW 40 474 | 20 | 400 | 1272 |
| GW 40 479 | 5 | 240 | 1372 |
| GW 40 487 | 10/100 | 2800 | 1259 |
| GW 40 487 | 10/100 | 2800 | 1273 |
| GW 40 487 | 10/100 | 2800 | 1337 |
| GW 40 487 | 10/100 | 2800 | 1374 |
| GW 40 488 | 10/100 | 1800 | 1259 |
| GW 40 488 | 10/100 | 1800 | 1273 |
| GW 40 488 | 10/100 | 1800 | 1337 |
| GW 40 488 | 10/100 | 1800 | 1374 |
| GW 40 492 | 20 | 800 | 1259 |
| GW 40 492 | 20 | 800 | 1273 |
| GW 40 493 | 20 | 400 | 1259 |
| GW 40 493 | 20 | 400 | 1273 |
| GW 40 495 | 20 | 800 | 1338 |
| GW 40 495 | 20 | 800 | 1375 |
| GW 40 496 | 20 | 400 | 1338 |
| GW 40 496 | 20 | 400 | 1375 |
| GW 40 501 | 8 | 144 | 1280 |
| GW 40 502 | 4 | 128 | 1280 |
| GW 40 503 | 4 | 60 | 1280 |
| GW 40 504 | 2 | 60 | 1280 |
| GW 40 506 | 4 | 144 | 1280 |
| GW 40 511 | 4 | 96 | 1280 |
| GW 40 512 | 3 | 180 | 1280 |
| GW 40 516 | 8 | 160 | 1281 |
| GW 40 517 | 4 | 80 | 1281 |
| GW 40 518 | 4 | 192 | 1281 |
| GW 40 519 | 2 | 72 | 1281 |
| GW 40 526 | 8 | 960 | 1281 |
| GW 40 527 | 4 | 576 | 1281 |
| GW 40 528 | 4 | 288 | 1281 |
| GW 40 529 | 2 | 144 | 1281 |
| GW 40 530 | 8 | 576 | 1281 |

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| | Pack/carton | Pallet | |
| GW 40 531 | 8 | 96 | 1282 |
| GW 40 532 | 4 | 160 | 1282 |
| GW 40 533 | 4 | 48 | 1282 |
| GW 40 534 | 2 | 40 | 1282 |
| GW 40 536 | 8 | 96 | 1282 |
| GW 40 537 | 4 | 80 | 1282 |
| GW 40 538 | 4 | 48 | 1282 |
| GW 40 539 | 2 | 40 | 1282 |
| GW 40 541 | 4 | 120 | 1282 |
| GW 40 542 | 4 | 72 | 1282 |
| GW 40 546 | 20 | 6240 | 1281 |
| GW 40 591 | 20 | 1920 | 1282 |
| GW 40 592 | 20 | 1920 | 1282 |
| GW 40 593 | 20 | 2560 | 1282 |
| GW 40 594 | 20 | 2560 | 1282 |
| GW 40 596 | 1/10 | 1280 | 1280 |
| GW 40 597 | 1/10 | 1280 | 1280 |
| GW 40 601 | 60 | 1200 | 1366 |
| GW 40 602 | 36 | 576 | 1366 |
| GW 40 603 | 21 | 336 | 1366 |
| GW 40 604 | 12 | 360 | 1366 |
| GW 40 604 BS | 12 | 0 | 1366 |
| GW 40 605 | 8 | 200 | 1366 |
| GW 40 605 BS | 8 | 200 | 1366 |
| GW 40 605 PM | 8 | 128 | 1336 |
| GW 40 605 PM | 8 | 128 | 1369 |
| GW 40 606 | 6 | 120 | 1366 |
| GW 40 606 BD | 6 | 0 | 1367 |
| GW 40 606 BS | 6 | 0 | 1367 |
| GW 40 606 PM | 6 | 72 | 1336 |
| GW 40 606 PM | 6 | 72 | 1369 |
| GW 40 608 | 4 | 80 | 1366 |
| GW 40 608 BS | 4 | 0 | 1366 |
| GW 40 609 | 3 | 60 | 1366 |
| GW 40 609 BD | 3 | 0 | 1367 |
| GW 40 609 BS | 3 | 0 | 1367 |
| GW 40 609 PM | 3 | 36 | 1336 |
| GW 40 609 PM | 3 | 36 | 1369 |
| GW 40 610 | 2 | 48 | 1366 |
| GW 40 610 BD | 2 | 0 | 1367 |
| GW 40 610 BT | 2 | 0 | 1367 |
| GW 40 610 PM | 3 | 24 | 1336 |
| GW 40 610 PM | 3 | 24 | 1369 |
| GW 40 611 | 1 | 24 | 1366 |
| GW 40 611 BD | 1 | 0 | 1367 |
| GW 40 611 BQ | 1 | 0 | 1367 |
| GW 40 611 PM | 1 | 16 | 1336 |
| GW 40 611 PM | 1 | 16 | 1369 |
| GW 40 655 | 18 | 288 | 1370 |
| GW 40 657 | 8 | 128 | 1370 |
| GW 40 659 | 6 | 150 | 1370 |
| GW 40 661 | 3 | 60 | 1370 |
| GW 40 671 | 12 | 240 | 1364 |
| GW 40 673 | 16 | 256 | 1364 |
| GW 40 674 | 12 | 192 | 1364 |
| GW 40 677 | 5 | 120 | 1364 |
| GW 40 679 | 5 | 80 | 1364 |
| GW 40 790 | 6 | 18 | 1378 |
| GW 40 882 | 36 | 576 | 1368 |
| GW 40 883 | 21 | 336 | 1368 |
| GW 40 884 | 12 | 240 | 1368 |
| GW 40 884 BS | 12 | 0 | 1368 |
| GW 40 885 | 8 | 128 | 1368 |
| GW 40 885 BS | 8 | 128 | 1368 |

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| | Pack/carton | Pallet | |
| GW 40 886 | 6 | 90 | 1368 |
| GW 40 886 BD | 6 | 0 | 1368 |
| GW 40 886 BS | 6 | 0 | 1368 |
| GW 40 888 | 4 | 80 | 1368 |
| GW 40 888 BS | 4 | 0 | 1368 |
| GW 40 889 | 3 | 45 | 1368 |
| GW 40 889 BD | 3 | 0 | 1368 |
| GW 40 889 BS | 3 | 0 | 1368 |
| GW 40 890 | 2 | 48 | 1368 |
| GW 40 890 BD | 2 | 0 | 1368 |
| GW 40 890 BT | 2 | 0 | 1368 |
| GW 40 891 | 1 | 24 | 1368 |
| GW 40 891 BD | 1 | 0 | 1368 |
| GW 40 891 BQ | 1 | 0 | 1368 |
| GW 40 981 TB | 1/2 | 80 | 1365 |
| GW 40 981 VA | 1/2 | 80 | 1365 |
| GW 40 981 VT | 1/2 | 80 | 1365 |
| GW 40 991 TB | 1/2 | 64 | 1365 |
| GW 40 991 VA | 1/2 | 64 | 1365 |
| GW 40 991 VT | 1/2 | 64 | 1365 |
| GW41 | | | |
| GW 41 225 TB | 16 | 128 | 1363 |
| GW 41 225 TN | 16 | 128 | 1363 |
| GW 41 225 VA | 16 | 128 | 1363 |
| GW 41 225 VT | 16 | 128 | 1363 |
| GW 41 229 TB | 12 | 192 | 1363 |
| GW 41 229 TN | 12 | 192 | 1363 |
| GW 41 229 VA | 12 | 96 | 1363 |
| GW 41 229 VT | 12 | 96 | 1363 |
| GW 41 233 TB | 5 | 150 | 1363 |
| GW 41 233 TN | 5 | 80 | 1363 |
| GW 41 233 VA | 5 | 40 | 1363 |
| GW 41 233 VT | 5 | 40 | 1363 |
| GW 41 237 TB | 12 | 240 | 1363 |
| GW 41 237 TN | 12 | 240 | 1363 |
| GW 41 237 VA | 12 | 240 | 1363 |
| GW 41 237 VT | 12 | 240 | 1363 |
| GW 41 239 TB | 5 | 60 | 1363 |
| GW 41 239 TN | 5 | 60 | 1363 |
| GW 41 239 VA | 5 | 60 | 1363 |
| GW 41 239 VT | 5 | 60 | 1363 |
| GW42 | | | |
| GW 42 001 | 32 | 1024 | 1325 |
| GW 42 002 | 44 | 704 | 1325 |
| GW 42 003 | 32 | 512 | 1325 |
| GW 42 004 | 16 | 512 | 1325 |
| GW 42 005 | 21 | 336 | 1325 |
| GW 42 006 | 16 | 256 | 1325 |
| GW 42 007 | 10 | 160 | 1325 |
| GW 42 008 | 10 | 250 | 1325 |
| GW 42 009 | 8 | 128 | 1325 |
| GW 42 010 | 5 | 80 | 1325 |
| GW 42 201 | 1/10 | 900 | 1292 |
| GW 42 202 | 1/10 | 200 | 1293 |
| GW 42 203 | 1/10 | 200 | 1293 |
| GW 42 204 | 1/10 | 400 | 1292 |
| GW 42 206 | 1/10 | 400 | 1293 |
| GW 42 207 | 1/10 | 160 | 1293 |
| GW 42 208 | 1/10 | 200 | 1293 |
| GW 42 211 | 1/10 | 1440 | 1295 |
| GW 42 212 | 1/10 | 1280 | 1295 |
| GW 42 213 | 1/10 | 3120 | 1295 |
| GW 42 214 | 1/10 | 1440 | 1295 |

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| | Pack/carton | Pallet | |
| GW 42 216 | 1/10 | 1600 | 413 |
| GW 42 216 | 1/10 | 1600 | 1295 |
| GW 42 231 | 1/10 | 240 | 1293 |
| GW 42 232 | 1/10 | 200 | 1293 |
| GW43 | | | |
| GW 43 021 S | 1 | 120 | 1274 |
| GW 43 022 S | 1 | 91 | 1274 |
| GW 43 023 S | 1 | 48 | 1274 |
| GW 43 024 S | 1 | 33 | 1274 |
| GW 43 040 S | 100 | 31200 | 1279 |
| GW 43 041 S | 1 | 0 | 1277 |
| GW 43 042 S | 2/20 | 6240 | 1278 |
| GW 43 044 S | 10/100 | 3600 | 1279 |
| GW 43 045 S | 10 | 0 | 1277 |
| GW 43 047 S | 1 | 100 | 1276 |
| GW 43 048 S | 1 | 100 | 1276 |
| GW 43 049 S | 1 | 100 | 1276 |
| GW 43 052 S | 1/10 | 1280 | 1279 |
| GW 43 055 S | 1 | 20 | 1275 |
| GW 43 056 S | 1 | 16 | 1275 |
| GW 43 057 S | 1/5 | 10 | 1275 |
| GW 43 058 S | 1 | 33 | 1275 |
| GW 43 071 S | 1/4 | 364 | 1275 |
| GW 43 072 S | 1/4 | 224 | 1275 |
| GW 43 073 S | 1/2 | 200 | 1275 |
| GW 43 074 S | 1/2 | 160 | 1275 |
| GW 43 081 S | 1 | 16 | 1275 |
| GW 43 082 S | 1 | 16 | 1275 |
| GW 43 083 S | 1 | 20 | 1275 |
| GW 43 085 S | 1 | 20 | 1275 |
| GW 43 101 S | 1 | 80 | 1276 |
| GW 43 102 S | 1 | 80 | 1276 |
| GW 43 103 S | 1 | 80 | 1276 |
| GW 43 104 S | 1 | 80 | 1276 |
| GW 43 111 S | 1 | 0 | 1276 |
| GW 43 112 S | 1 | 32 | 1276 |
| GW 43 113 S | 1 | 20 | 1276 |
| GW 43 114 S | 1 | 6 | 1276 |
| GW 43 122 S | 10/100 | 0 | 1278 |
| GW44 | | | |
| GW 44 001 | 5/280 | 8400 | 1303 |
| GW 44 002 | 5/135 | 4725 | 1303 |
| GW 44 003 | 5/90 | 4050 | 1303 |
| GW 44 004 | 66 | 1980 | 1304 |
| GW 44 005 | 66 | 1980 | 1304 |
| GW 44 006 | 40 | 1000 | 1304 |
| GW 44 007 | 24 | 600 | 1304 |
| GW 44 008 | 12 | 300 | 1304 |
| GW 44 009 | 6 | 150 | 1304 |
| GW 44 010 | 4 | 100 | 1304 |
| GW 44 011 | 3 | 60 | 1304 |
| GW 44 024 | 66 | 1980 | 1303 |
| GW 44 026 | 40 | 1000 | 1303 |
| GW 44 051 | 5/280 | 5600 | 1307 |
| GW 44 051 R | 5/280 | 5600 | 1307 |
| GW 44 052 | 5/135 | 2700 | 1307 |
| GW 44 053 | 5/90 | 2520 | 1307 |
| GW 44 053 R | 5/90 | 2520 | 1307 |
| GW 44 054 | 66 | 1980 | 1307 |
| GW 44 054 R | 66 | 1320 | 1308 |
| GW 44 055 | 66 | 660 | 1308 |
| GW 44 056 | 40 | 800 | 1307 |
| GW 44 056 R | 40 | 640 | 1308 |

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| | Pack/carton | Pallet | |
| GW 44 057 | 24 | 384 | 1308 |
| GW 44 058 | 12 | 192 | 1308 |
| GW 44 059 | 6 | 96 | 1308 |
| GW 44 060 | 4 | 64 | 1308 |
| GW 44 061 | 3 | 36 | 1308 |
| GW 44 114 | 1/45 | 900 | 1306 |
| GW 44 117 | 1/16 | 256 | 1306 |
| GW 44 118 | 1/12 | 192 | 1306 |
| GW 44 119 | 1/7 | 84 | 1306 |
| GW 44 120 | 1/3 | 60 | 1306 |
| GW 44 137 | 1/16 | 128 | 1306 |
| GW 44 138 | 1/12 | 192 | 1306 |
| GW 44 139 | 1/7 | 84 | 1306 |
| GW 44 140 | 1/3 | 60 | 1306 |
| GW 44 204 | 105 | 2625 | 1305 |
| GW 44 205 | 91 | 2730 | 1305 |
| GW 44 206 | 50 | 1250 | 1305 |
| GW 44 207 | 30 | 750 | 1305 |
| GW 44 208 | 14 | 350 | 1305 |
| GW 44 209 | 6 | 180 | 1305 |
| GW 44 210 | 4 | 100 | 1305 |
| GW 44 211 | 3 | 75 | 1305 |
| GW 44 214 | 45 | 900 | 1305 |
| GW 44 215 | 55 | 880 | 1305 |
| GW 44 216 | 24 | 600 | 1305 |
| GW 44 217 | 16 | 384 | 1305 |
| GW 44 218 | 12 | 240 | 1305 |
| GW 44 219 | 7 | 140 | 1305 |
| GW 44 220 | 3 | 75 | 1305 |
| GW 44 221 | 2 | 50 | 1305 |
| GW 44 234 | 105 | 2625 | 1305 |
| GW 44 236 | 50 | 1250 | 1305 |
| GW 44 254 | 45 | 360 | 1309 |
| GW 44 255 | 55 | 220 | 1309 |
| GW 44 256 | 24 | 96 | 1309 |
| GW 44 257 | 16 | 240 | 1309 |
| GW 44 258 | 12 | 144 | 1309 |
| GW 44 259 | 7 | 84 | 1309 |
| GW 44 260 | 3 | 48 | 1309 |
| GW 44 261 | 2 | 32 | 1309 |
| GW 44 274 | 105 | 420 | 1309 |
| GW 44 275 | 91 | 1820 | 1309 |
| GW 44 276 | 50 | 800 | 1309 |
| GW 44 276 C | 50 | 800 | 1309 |
| GW 44 277 | 30 | 480 | 1309 |
| GW 44 277 C | 30 | 480 | 1309 |
| GW 44 278 | 14 | 224 | 1309 |
| GW 44 279 | 6 | 120 | 1309 |
| GW 44 280 | 4 | 64 | 1309 |
| GW 44 281 | 3 | 48 | 1309 |
| GW 44 404 | 108 | 1728 | 1310 |
| GW 44 405 | 108 | 1728 | 1310 |
| GW 44 406 | 50 | 800 | 1310 |
| GW 44 407 | 32 | 512 | 1310 |
| GW 44 408 | 14 | 224 | 1310 |
| GW 44 409 | 6 | 120 | 1310 |
| GW 44 410 | 4 | 64 | 1310 |
| GW 44 411 | 3 | 48 | 1310 |
| GW 44 414 | 45 | 360 | 1310 |
| GW 44 415 | 55 | 220 | 1310 |
| GW 44 416 | 24 | 384 | 1310 |
| GW 44 417 | 16 | 240 | 1310 |
| GW 44 418 | 12 | 144 | 1310 |
| GW 44 419 | 7 | 84 | 1310 |

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| | Pack/carton | Pallet | |
| GW 44 420 | 3 | 48 | 1310 |
| GW 44 421 | 2 | 32 | 1310 |
| GW 44 426 | 50 | 800 | 1311 |
| GW 44 427 | 32 | 512 | 1311 |
| GW 44 428 | 14 | 224 | 1311 |
| GW 44 429 | 6 | 120 | 1311 |
| GW 44 430 | 4 | 100 | 1311 |
| GW 44 431 | 3 | 48 | 1311 |
| GW 44 436 | 24 | 384 | 1311 |
| GW 44 437 | 16 | 240 | 1311 |
| GW 44 438 | 12 | 144 | 1311 |
| GW 44 439 | 7 | 84 | 1311 |
| GW 44 440 | 3 | 48 | 1311 |
| GW 44 441 | 2 | 32 | 1311 |
| GW 44 601 | 10/480 | 14400 | 1521 |
| GW 44 602 | 10/240 | 7200 | 1521 |
| GW 44 603 | 10/160 | 4800 | 1521 |
| GW 44 604 | 10/120 | 2160 | 1521 |
| GW 44 605 | 3/36 | 1080 | 1521 |
| GW 44 606 | 10/100 | 7000 | 1521 |
| GW 44 607 | 10/100 | 7000 | 1521 |
| GW 44 608 | 10/100 | 7000 | 1521 |
| GW 44 609 | 10/100 | 4000 | 1522 |
| GW 44 610 | 10/100 | 4000 | 1522 |
| GW 44 610 C | 10/100 | 4000 | 1522 |
| GW 44 611 | 10/100 | 2800 | 1522 |
| GW 44 612 | 10/100 | 2000 | 1522 |
| GW 44 613 | 1/10 | 1280 | 1522 |
| GW 44 614 | 1/10 | 1280 | 1522 |
| GW 44 615 | 20 | 2160 | 1312 |
| GW 44 615 | 20 | 2160 | 1326 |
| GW 44 616 | 20 | 1400 | 1312 |
| GW 44 616 | 20 | 1400 | 1326 |
| GW 44 617 | 20 | 1000 | 1312 |
| GW 44 617 | 20 | 1000 | 1326 |
| GW 44 618 | 5 | 375 | 1312 |
| GW 44 619 | 5 | 275 | 1312 |
| GW 44 620 | 10/160 | 2560 | 1313 |
| GW 44 621 | 40/480 | 13440 | 1053 |
| GW 44 621 | 40/480 | 13440 | 1095 |
| GW 44 621 | 40/480 | 13440 | 1236 |
| GW 44 621 | 40/480 | 13440 | 1258 |
| GW 44 621 | 40/480 | 13440 | 1272 |
| GW 44 621 | 40/480 | 13440 | 1297 |
| GW 44 621 | 40/480 | 13440 | 1312 |
| GW 44 622 | 10/100 | 14400 | 388 |
| GW 44 622 | 10/100 | 14400 | 1052 |
| GW 44 622 | 10/100 | 14400 | 1209 |
| GW 44 622 | 10/100 | 14400 | 1283 |
| GW 44 622 | 10/100 | 14400 | 1297 |
| GW 44 622 | 10/100 | 14400 | 1312 |
| GW 44 623 | 10/100 | 12800 | 1052 |
| GW 44 623 | 10/100 | 12800 | 1260 |
| GW 44 623 | 10/100 | 12800 | 1272 |
| GW 44 623 | 10/100 | 12800 | 1297 |
| GW 44 623 | 10/100 | 12800 | 1312 |
| GW 44 625 | 20 | 2560 | 1312 |
| GW 44 625 | 20 | 2560 | 1326 |
| GW 44 626 | 20 | 1400 | 1098 |
| GW 44 626 | 20 | 1400 | 1312 |
| GW 44 626 | 20 | 1400 | 1326 |
| GW 44 627 | 20 | 1000 | 1098 |
| GW 44 627 | 20 | 1000 | 1312 |
| GW 44 627 | 20 | 1000 | 1326 |

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| | Pack/carton | Pallet | |
| GW 44 628 | 4 | 320 | 1098 |
| GW 44 628 | 4 | 320 | 1312 |
| GW 44 629 | 5 | 430 | 1312 |
| GW 44 636 | 20 | 1620 | 1235 |
| GW 44 637 | 20 | 600 | 1235 |
| GW 44 638 | 5 | 260 | 1235 |
| GW 44 639 | 5 | 260 | 1235 |
| GW 44 646 | 20 | 1400 | 1235 |
| GW 44 647 | 20 | 1200 | 1235 |
| GW 44 648 | 4 | 544 | 1235 |
| GW 44 649 | 5 | 360 | 1235 |
| GW 44 651 | 1/5 | 1960 | 958 |
| GW 44 651 | 1/5 | 1960 | 1232 |
| GW 44 651 | 1/5 | 1960 | 1524 |
| GW 44 652 | 1/25 | 11550 | 958 |
| GW 44 652 | 1/25 | 11550 | 1233 |
| GW 44 652 | 1/25 | 11550 | 1524 |
| GW 44 661 | 10/450 | 13500 | 1521 |
| GW 44 662 | 10/450 | 10800 | 1521 |
| GW 44 663 | 10/300 | 3600 | 1521 |
| GW 44 664 | 10/240 | 8640 | 1521 |
| GW 44 665 | 10/450 | 12150 | 1521 |
| GW 44 666 | 5/150 | 6750 | 1521 |
| GW 44 667 | 5/150 | 6750 | 1521 |
| GW 44 671 | 10/100 | 7000 | 1342 |
| GW 44 671 | 10/100 | 7000 | 1392 |
| GW 44 671 | 10/100 | 7000 | 1523 |
| GW 44 672 | 10/100 | 7000 | 1342 |
| GW 44 672 | 10/100 | 7000 | 1392 |
| GW 44 672 | 10/100 | 7000 | 1523 |
| GW 44 673 | 10/50 | 4400 | 1342 |
| GW 44 673 | 10/50 | 4400 | 1392 |
| GW 44 673 | 10/50 | 4400 | 1523 |
| GW 44 674 | 10/50 | 3500 | 1342 |
| GW 44 674 | 10/50 | 3500 | 1392 |
| GW 44 674 | 10/50 | 3500 | 1523 |
| GW 44 675 | 5/25 | 2750 | 1342 |
| GW 44 675 | 5/25 | 2750 | 1392 |
| GW 44 675 | 5/25 | 2750 | 1523 |
| GW 44 676 | 1/10 | 1100 | 1342 |
| GW 44 676 | 1/10 | 1100 | 1392 |
| GW 44 676 | 1/10 | 1100 | 1523 |
| GW 44 681 | 100 | 16000 | 1343 |
| GW 44 681 | 100 | 16000 | 1393 |
| GW 44 681 | 100 | 16000 | 1523 |
| GW 44 682 | 200 | 62400 | 1343 |
| GW 44 682 | 200 | 62400 | 1393 |
| GW 44 682 | 200 | 62400 | 1523 |
| GW 44 683 | 1/50 | 2000 | 1398 |
| GW 44 683 | 1/50 | 2000 | 1523 |
| GW 44 691 | 2/40 | 3600 | 959 |
| GW 44 691 | 2/40 | 3600 | 1233 |
| GW 44 691 | 2/40 | 3600 | 1524 |
| GW 44 693 | 1/12 | 1200 | 959 |
| GW 44 693 | 1/12 | 1200 | 1233 |
| GW 44 693 | 1/12 | 1200 | 1524 |
| GW 44 696 | 2/20 | 880 | 959 |
| GW 44 696 | 2/20 | 880 | 1233 |
| GW 44 696 | 2/20 | 880 | 1525 |
| GW 44 698 | 1/10 | 600 | 959 |
| GW 44 698 | 1/10 | 600 | 1233 |
| GW 44 698 | 1/10 | 600 | 1525 |
| GW 44 699 | 1/12 | 288 | 959 |
| GW 44 699 | 1/12 | 288 | 1233 |

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| | Pack/carton | Pallet | |
| GW 44 699 | 1/12 | 288 | 1525 |
| GW 44 700 | 1/2 | 120 | 958 |
| GW 44 700 | 1/2 | 120 | 1233 |
| GW 44 704 | 10/100 | 7000 | 1342 |
| GW 44 704 | 10/100 | 7000 | 1392 |
| GW 44 704 | 10/100 | 7000 | 1522 |
| GW 44 706 | 10/100 | 7000 | 1342 |
| GW 44 706 | 10/100 | 7000 | 1392 |
| GW 44 706 | 10/100 | 7000 | 1522 |
| GW 44 708 | 10/100 | 5000 | 1342 |
| GW 44 708 | 10/100 | 5000 | 1392 |
| GW 44 708 | 10/100 | 5000 | 1522 |
| GW 44 720 | 1/50 | 2000 | 1342 |
| GW 44 720 | 1/50 | 2000 | 1392 |
| GW 44 720 | 1/50 | 2000 | 1522 |
| GW 44 808 | 4 | 120 | 1234 |
| GW 44 809 | 4 | 80 | 1234 |
| GW 44 810 | 2 | 50 | 1234 |
| GW 44 811 | 2 | 40 | 1234 |
| GW 44 818 | 4 | 120 | 1234 |
| GW 44 819 | 4 | 80 | 1234 |
| GW 44 820 | 2 | 50 | 1234 |
| GW 44 821 | 2 | 24 | 1234 |
| GW 44 852 | 8 | 144 | 1235 |
| GW 44 853 | 8 | 96 | 1235 |
| GW 44 854 | 8 | 96 | 1235 |
| GW 44 855 | 8 | 192 | 1235 |

| GW45 | | | |
|-----------|---|----|-----|
| GW 45 004 | 1 | 8 | 859 |
| GW 45 005 | 1 | 8 | 859 |
| GW 45 007 | 1 | 10 | 859 |
| GW 45 008 | 1 | 9 | 859 |
| GW 45 009 | 1 | 9 | 859 |
| GW 45 014 | 1 | 8 | 859 |
| GW 45 015 | 1 | 8 | 859 |
| GW 45 017 | 1 | 7 | 859 |
| GW 45 018 | 1 | 8 | 859 |
| GW 45 019 | 1 | 8 | 859 |
| GW 45 024 | 1 | 36 | 859 |
| GW 45 025 | 1 | 36 | 859 |
| GW 45 027 | 1 | 36 | 860 |
| GW 45 028 | 1 | 36 | 860 |
| GW 45 029 | 1 | 36 | 860 |
| GW 45 034 | 1 | 30 | 861 |
| GW 45 035 | 1 | 36 | 861 |
| GW 45 037 | 1 | 39 | 861 |
| GW 45 038 | 1 | 39 | 861 |
| GW 45 039 | 1 | 39 | 861 |
| GW 45 047 | 1 | 14 | 861 |
| GW 45 048 | 1 | 14 | 861 |
| GW 45 049 | 1 | 14 | 861 |
| GW 45 054 | 1 | 6 | 882 |
| GW 45 055 | 1 | 8 | 882 |
| GW 45 057 | 1 | 4 | 883 |
| GW 45 058 | 1 | 4 | 883 |
| GW 45 059 | 1 | 4 | 883 |
| GW 45 064 | 1 | 5 | 882 |
| GW 45 065 | 1 | 8 | 882 |
| GW 45 067 | 1 | 4 | 883 |
| GW 45 068 | 1 | 4 | 883 |
| GW 45 069 | 1 | 4 | 883 |
| GW 45 074 | 1 | 42 | 882 |
| GW 45 075 | 1 | 42 | 882 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 45 077 | 1 | 51 | 883 |
| GW 45 078 | 1 | 45 | 883 |
| GW 45 079 | 1 | 38 | 883 |
| GW 45 084 | 1 | 26 | 885 |
| GW 45 085 | 1 | 26 | 885 |
| GW 45 087 | 1 | 30 | 885 |
| GW 45 088 | 1 | 30 | 885 |
| GW 45 089 | 1 | 24 | 885 |
| GW 45 097 | 1 | 8 | 885 |
| GW 45 098 | 1 | 8 | 885 |
| GW 45 099 | 1 | 8 | 885 |
| GW 45 104 | 1 | 8 | 860 |
| GW 45 105 | 1 | 7 | 860 |
| GW 45 107 | 1 | 10 | 860 |
| GW 45 108 | 1 | 10 | 860 |
| GW 45 109 | 1 | 10 | 860 |
| GW 45 114 | 1 | 8 | 860 |
| GW 45 115 | 1 | 7 | 860 |
| GW 45 117 | 1 | 8 | 860 |
| GW 45 118 | 1 | 8 | 860 |
| GW 45 119 | 1 | 8 | 860 |
| GW 45 124 | 1 | 8 | 860 |
| GW 45 125 | 1 | 8 | 860 |
| GW 45 127 | 1 | 11 | 860 |
| GW 45 128 | 1 | 11 | 860 |
| GW 45 129 | 1 | 11 | 860 |
| GW 45 134 | 1 | 8 | 860 |
| GW 45 135 | 1 | 8 | 860 |
| GW 45 137 | 1 | 9 | 860 |
| GW 45 138 | 1 | 9 | 860 |
| GW 45 139 | 1 | 9 | 860 |
| GW 45 147 | 1 | 18 | 861 |
| GW 45 148 | 1 | 18 | 861 |
| GW 45 149 | 1 | 18 | 861 |
| GW 45 154 | 1 | 8 | 884 |
| GW 45 155 | 1 | 10 | 884 |
| GW 45 157 | 1 | 10 | 884 |
| GW 45 158 | 1 | 9 | 884 |
| GW 45 159 | 1 | 9 | 884 |
| GW 45 164 | 1 | 8 | 884 |
| GW 45 165 | 1 | 8 | 884 |
| GW 45 167 | 1 | 8 | 884 |
| GW 45 168 | 1 | 8 | 884 |
| GW 45 169 | 1 | 8 | 884 |
| GW 45 174 | 1 | 14 | 884 |
| GW 45 175 | 1 | 14 | 884 |
| GW 45 177 | 1 | 11 | 884 |
| GW 45 178 | 1 | 11 | 884 |
| GW 45 179 | 1 | 10 | 884 |
| GW 45 184 | 1 | 14 | 884 |
| GW 45 185 | 1 | 8 | 884 |
| GW 45 187 | 1 | 8 | 884 |
| GW 45 188 | 1 | 9 | 884 |
| GW 45 189 | 1 | 8 | 884 |
| GW 45 197 | 1 | 11 | 885 |
| GW 45 198 | 1 | 11 | 885 |
| GW 45 199 | 1 | 11 | 885 |
| GW 45 201 | 1 | 144 | 862 |
| GW 45 201 | 1 | 144 | 886 |
| GW 45 202 | 1 | 140 | 862 |
| GW 45 202 | 1 | 140 | 886 |
| GW 45 203 | 1 | 80 | 862 |
| GW 45 203 | 1 | 80 | 886 |
| GW 45 204 | 1 | 88 | 862 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 45 204 | 1 | 88 | 886 |
| GW 45 206 | 1 | 140 | 862 |
| GW 45 206 | 1 | 140 | 886 |
| GW 45 207 | 1 | 100 | 862 |
| GW 45 207 | 1 | 100 | 886 |
| GW 45 208 | 1 | 45 | 862 |
| GW 45 208 | 1 | 45 | 886 |
| GW 45 209 | 1 | 12 | 862 |
| GW 45 209 | 1 | 12 | 886 |
| GW 45 236 | 1 | 36 | 862 |
| GW 45 236 | 1 | 36 | 886 |
| GW 45 237 | 1 | 48 | 862 |
| GW 45 237 | 1 | 48 | 886 |
| GW 45 238 | 1 | 48 | 862 |
| GW 45 238 | 1 | 48 | 886 |
| GW 45 243 | 1 | 102 | 862 |
| GW 45 243 | 1 | 102 | 886 |
| GW 45 244 | 1 | 102 | 862 |
| GW 45 244 | 1 | 102 | 886 |
| GW 45 245 | 1 | 84 | 862 |
| GW 45 245 | 1 | 84 | 886 |
| GW 45 246 | 1 | 96 | 862 |
| GW 45 246 | 1 | 96 | 886 |
| GW 45 247 | 1 | 96 | 862 |
| GW 45 247 | 1 | 96 | 886 |
| GW 45 248 | 1 | 84 | 863 |
| GW 45 248 | 1 | 84 | 887 |
| GW 45 249 | 1 | 96 | 863 |
| GW 45 249 | 1 | 96 | 887 |
| GW 45 251 | 1 | 36 | 864 |
| GW 45 251 | 1 | 36 | 888 |
| GW 45 252 | 1 | 22 | 864 |
| GW 45 252 | 1 | 22 | 888 |
| GW 45 253 | 1 | 44 | 864 |
| GW 45 253 | 1 | 44 | 888 |
| GW 45 254 | 1 | 33 | 864 |
| GW 45 254 | 1 | 33 | 888 |
| GW 45 256 | 1 | 44 | 864 |
| GW 45 256 | 1 | 44 | 888 |
| GW 45 257 | 1 | 22 | 864 |
| GW 45 257 | 1 | 22 | 888 |
| GW 45 261 | 1 | 42 | 863 |
| GW 45 261 | 1 | 42 | 887 |
| GW 45 262 | 1 | 49 | 863 |
| GW 45 262 | 1 | 49 | 887 |
| GW 45 263 | 1 | 30 | 863 |
| GW 45 263 | 1 | 30 | 887 |
| GW 45 264 | 1 | 105 | 887 |
| GW 45 265 | 1 | 48 | 887 |
| GW 45 266 | 1 | 105 | 863 |
| GW 45 266 | 1 | 105 | 887 |
| GW 45 267 | 1 | 105 | 863 |
| GW 45 267 | 1 | 105 | 887 |
| GW 45 268 | 1 | 91 | 863 |
| GW 45 268 | 1 | 91 | 887 |
| GW 45 271 | 1 | 56 | 862 |
| GW 45 271 | 1 | 56 | 886 |
| GW 45 272 | 1 | 56 | 862 |
| GW 45 272 | 1 | 56 | 886 |
| GW 45 273 | 1 | 56 | 862 |
| GW 45 273 | 1 | 56 | 886 |
| GW 45 274 | 1 | 70 | 862 |
| GW 45 274 | 1 | 70 | 886 |
| GW 45 275 | 1 | 48 | 862 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 45 275 | 1 | 48 | 886 |
| GW 45 276 | 1 | 40 | 862 |
| GW 45 276 | 1 | 40 | 886 |
| GW 45 277 | 1 | 60 | 862 |
| GW 45 277 | 1 | 60 | 886 |
| GW 45 278 | 1 | 48 | 862 |
| GW 45 278 | 1 | 48 | 886 |
| GW 45 281 | 1 | 56 | 863 |
| GW 45 281 | 1 | 56 | 887 |
| GW 45 282 | 1 | 56 | 863 |
| GW 45 282 | 1 | 56 | 887 |
| GW 45 283 | 1 | 56 | 863 |
| GW 45 283 | 1 | 56 | 887 |
| GW 45 284 | 1 | 84 | 863 |
| GW 45 284 | 1 | 84 | 887 |
| GW 45 285 | 1 | 48 | 863 |
| GW 45 285 | 1 | 48 | 887 |
| GW 45 286 | 1 | 20 | 863 |
| GW 45 286 | 1 | 20 | 887 |
| GW 45 287 | 1 | 40 | 863 |
| GW 45 287 | 1 | 40 | 887 |
| GW 45 288 | 1 | 40 | 863 |
| GW 45 288 | 1 | 40 | 887 |
| GW 45 289 | 1 | 60 | 863 |
| GW 45 289 | 1 | 60 | 887 |
| GW 45 290 | 1 | 48 | 863 |
| GW 45 290 | 1 | 48 | 887 |
| GW 45 291 | 1 | 256 | 862 |
| GW 45 291 | 1 | 256 | 886 |
| GW 45 292 | 1 | 180 | 862 |
| GW 45 292 | 1 | 180 | 886 |
| GW 45 293 | 1 | 144 | 862 |
| GW 45 293 | 1 | 144 | 886 |
| GW 45 298 | 1 | 80 | 864 |
| GW 45 298 | 1 | 80 | 888 |
| GW 45 299 | 1 | 60 | 864 |
| GW 45 299 | 1 | 60 | 888 |
| GW 45 301 | 1 | 450 | 865 |
| GW 45 301 | 1 | 450 | 888 |
| GW 45 302 | 1 | 220 | 865 |
| GW 45 302 | 1 | 220 | 888 |
| GW 45 303 | 1 | 200 | 865 |
| GW 45 303 | 1 | 200 | 888 |
| GW 45 304 | 1 | 190 | 865 |
| GW 45 304 | 1 | 190 | 888 |
| GW 45 305 | 1 | 100 | 865 |
| GW 45 305 | 1 | 100 | 888 |
| GW 45 306 | 1 | 100 | 865 |
| GW 45 306 | 1 | 100 | 888 |
| GW 45 307 | 1 | 50 | 865 |
| GW 45 307 | 1 | 50 | 888 |
| GW 45 321 | 1 | 350 | 865 |
| GW 45 321 | 1 | 350 | 888 |
| GW 45 322 | 1 | 200 | 865 |
| GW 45 322 | 1 | 200 | 888 |
| GW 45 323 | 1 | 175 | 865 |
| GW 45 323 | 1 | 175 | 888 |
| GW 45 324 | 1 | 150 | 865 |
| GW 45 324 | 1 | 150 | 888 |
| GW 45 325 | 1 | 100 | 865 |
| GW 45 325 | 1 | 100 | 888 |
| GW 45 326 | 1 | 75 | 865 |
| GW 45 326 | 1 | 75 | 888 |
| GW 45 327 | 1 | 50 | 865 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 45 327 | 1 | 50 | 888 |
| GW 45 341 | 1 | 640 | 865 |
| GW 45 341 | 1 | 640 | 888 |
| GW 45 342 | 1 | 360 | 865 |
| GW 45 342 | 1 | 360 | 888 |
| GW 45 343 | 1 | 280 | 865 |
| GW 45 343 | 1 | 280 | 888 |
| GW 45 344 | 1 | 200 | 865 |
| GW 45 344 | 1 | 200 | 888 |
| GW 45 345 | 1 | 160 | 865 |
| GW 45 345 | 1 | 160 | 888 |
| GW 45 346 | 1 | 160 | 865 |
| GW 45 346 | 1 | 160 | 888 |
| GW 45 347 | 1 | 80 | 865 |
| GW 45 347 | 1 | 80 | 888 |
| GW 45 348 | 1 | 60 | 865 |
| GW 45 348 | 1 | 60 | 888 |
| GW 45 352 | 1 | 44 | 861 |
| GW 45 352 | 1 | 44 | 885 |
| GW 45 353 | 1 | 44 | 861 |
| GW 45 353 | 1 | 44 | 885 |
| GW 45 354 | 1 | 46 | 861 |
| GW 45 354 | 1 | 46 | 885 |
| GW 45 362 | 1 | 200 | 865 |
| GW 45 362 | 1 | 200 | 889 |
| GW 45 367 | 1 | 150 | 865 |
| GW 45 367 | 1 | 150 | 889 |
| GW 45 374 | 1 | 132 | 865 |
| GW 45 374 | 1 | 132 | 888 |
| GW 45 379 | 1 | 125 | 865 |
| GW 45 379 | 1 | 125 | 888 |
| GW 45 381 | 1 | 80 | 957 |
| GW 45 382 | 1 | 60 | 957 |
| GW 45 394 | 1 | 42 | 882 |
| GW 45 395 | 1 | 42 | 882 |
| GW 45 397 | 1 | 54 | 883 |
| GW 45 398 | 1 | 54 | 883 |
| GW 45 399 | 1 | 60 | 883 |
| GW 45 401 | 1 | 250 | 866 |
| GW 45 401 | 1 | 250 | 889 |
| GW 45 402 | 1 | 200 | 866 |
| GW 45 402 | 1 | 200 | 889 |
| GW 45 406 | 1 | 416 | 866 |
| GW 45 406 | 1 | 416 | 889 |
| GW 45 411 | 1 | 320 | 867 |
| GW 45 411 | 1 | 320 | 891 |
| GW 45 412 | 1 | 320 | 867 |
| GW 45 412 | 1 | 320 | 891 |
| GW 45 416 | 1 | 220 | 867 |
| GW 45 416 | 1 | 220 | 891 |
| GW 45 417 | 1 | 220 | 867 |
| GW 45 417 | 1 | 220 | 891 |
| GW 45 421 | 1 | 160 | 866 |
| GW 45 421 | 1 | 160 | 889 |
| GW 45 422 | 1 | 100 | 866 |
| GW 45 422 | 1 | 100 | 889 |
| GW 45 423 | 1 | 100 | 866 |
| GW 45 423 | 1 | 100 | 889 |
| GW 45 431 | 1 | 120 | 866 |
| GW 45 431 | 1 | 120 | 889 |
| GW 45 432 | 1 | 90 | 866 |
| GW 45 432 | 1 | 90 | 889 |
| GW 45 433 | 1 | 50 | 866 |
| GW 45 433 | 1 | 50 | 889 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 45 444 | 1 | 160 | 866 |
| GW 45 445 | 1 | 140 | 866 |
| GW 45 447 | 1 | 140 | 866 |
| GW 45 448 | 1 | 140 | 866 |
| GW 45 449 | 1 | 140 | 866 |
| GW 45 451 | 1 | 160 | 866 |
| GW 45 452 | 1 | 140 | 866 |
| GW 45 453 | 1 | 100 | 889 |
| GW 45 454 | 1 | 80 | 889 |
| GW 45 457 | 1 | 72 | 890 |
| GW 45 458 | 1 | 48 | 890 |
| GW 45 459 | 1 | 48 | 890 |
| GW 45 467 | 1 | 140 | 866 |
| GW 45 468 | 1 | 140 | 866 |
| GW 45 469 | 1 | 30 | 866 |
| GW 45 474 | 1 | 48 | 890 |
| GW 45 475 | 1 | 48 | 890 |
| GW 45 477 | 1 | 72 | 890 |
| GW 45 478 | 1 | 48 | 890 |
| GW 45 479 | 1 | 48 | 890 |
| GW 45 504 | 1 | 60 | 869 |
| GW 45 505 | 1 | 60 | 869 |
| GW 45 507 | 1 | 90 | 869 |
| GW 45 508 | 1 | 90 | 869 |
| GW 45 509 | 1 | 90 | 869 |
| GW 45 511 | 1 | 108 | 869 |
| GW 45 512 | 1 | 84 | 869 |
| GW 45 513 | 1 | 60 | 869 |
| GW 45 516 | 1 | 440 | 870 |
| GW 45 516 | 1 | 440 | 893 |
| GW 45 517 | 1 | 200 | 870 |
| GW 45 517 | 1 | 200 | 893 |
| GW 45 518 | 1 | 250 | 870 |
| GW 45 518 | 1 | 250 | 893 |
| GW 45 519 | 1 | 250 | 870 |
| GW 45 519 | 1 | 250 | 893 |
| GW 45 521 | 1 | 900 | 868 |
| GW 45 521 | 1 | 900 | 892 |
| GW 45 526 | 1 | 550 | 868 |
| GW 45 526 | 1 | 550 | 892 |
| GW 45 527 | 1 | 1000 | 868 |
| GW 45 527 | 1 | 1000 | 892 |
| GW 45 528 | 1 | 200 | 868 |
| GW 45 528 | 1 | 200 | 892 |
| GW 45 531 | 1 | 250 | 869 |
| GW 45 532 | 1 | 312 | 867 |
| GW 45 532 | 1 | 312 | 891 |
| GW 45 533 | 1/10 | 1280 | 893 |
| GW 45 534 | 1 | 800 | 870 |
| GW 45 534 | 1 | 800 | 894 |
| GW 45 535 | 1 | 400 | 870 |
| GW 45 535 | 1 | 400 | 894 |
| GW 45 536 | 1 | 550 | 871 |
| GW 45 537 | 1 | 0 | 870 |
| GW 45 537 | 1 | 0 | 894 |
| GW 45 538 | 1 | 264 | 846 |
| GW 45 538 | 1 | 264 | 870 |
| GW 45 538 | 1 | 264 | 894 |
| GW 45 539 | 1 | 240 | 957 |
| GW 45 541 | 1 | 40 | 958 |
| GW 45 542 | 1 | 30 | 958 |
| GW 45 543 | 1 | 9 | 958 |
| GW 45 544 | 1 | 20 | 958 |
| GW 45 551 | 1 | 340 | 963 |

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| | Pack/carton | Pallet | |
| GW 45 552 | 1 | 150 | 963 |
| GW 45 553 | 1 | 160 | 963 |
| GW 45 554 | 1 | 80 | 963 |
| GW 45 555 | 1 | 250 | 963 |
| GW 45 556 | 1 | 175 | 963 |
| GW 45 557 | 1 | 175 | 963 |
| GW 45 558 | 1 | 80 | 963 |
| GW 45 561 | 1 | 280 | 963 |
| GW 45 562 | 1 | 70 | 963 |
| GW 45 563 | 1 | 80 | 963 |
| GW 45 573 | 1 | 14 | 963 |
| GW 45 574 | 1 | 33 | 963 |
| GW 45 575 | 1 | 126 | 960 |
| GW 45 576 | 1 | 70 | 960 |
| GW 45 577 | 1 | 44 | 960 |
| GW 45 578 | 1 | 33 | 960 |
| GW 45 579 | 1 | 80 | 960 |
| GW 45 580 | 1 | 15 | 960 |
| GW 45 581 | 1 | 70 | 893 |
| GW 45 582 | 1 | 50 | 893 |
| GW 45 583 | 1 | 50 | 893 |
| GW 45 601 | 1 | 20 | 863 |
| GW 45 601 | 1 | 20 | 887 |
| GW 45 602 | 1 | 26 | 887 |
| GW 45 603 | 1 | 16 | 887 |
| GW 45 604 | 1 | 30 | 887 |

| GW46 | | | |
|-------------|---|----|------|
| GW 46 001 F | 1 | 90 | 1220 |
| GW 46 002 F | 1 | 84 | 1220 |
| GW 46 003 F | 1 | 24 | 1122 |
| GW 46 003 F | 1 | 24 | 1220 |
| GW 46 004 F | 1 | 24 | 1122 |
| GW 46 004 F | 1 | 24 | 1220 |
| GW 46 005 F | 1 | 12 | 1122 |
| GW 46 005 F | 1 | 12 | 1220 |
| GW 46 006 F | 1 | 9 | 1122 |
| GW 46 006 F | 1 | 9 | 1220 |
| GW 46 007 F | 1 | 4 | 1220 |
| GW 46 031 | 1 | 90 | 1222 |
| GW 46 032 | 1 | 60 | 1222 |
| GW 46 033 | 1 | 28 | 1222 |
| GW 46 034 | 1 | 20 | 1222 |
| GW 46 035 | 1 | 18 | 1222 |
| GW 46 036 | 1 | 8 | 1222 |
| GW 46 037 | 1 | 4 | 1222 |
| GW 46 052 | 1 | 60 | 1223 |
| GW 46 054 | 1 | 20 | 1223 |
| GW 46 056 | 1 | 8 | 1223 |
| GW 46 201 F | 1 | 90 | 1220 |
| GW 46 202 F | 1 | 84 | 1220 |
| GW 46 203 F | 1 | 24 | 1122 |
| GW 46 203 F | 1 | 24 | 1220 |
| GW 46 204 F | 1 | 24 | 1122 |
| GW 46 204 F | 1 | 24 | 1220 |
| GW 46 205 F | 1 | 12 | 1122 |
| GW 46 205 F | 1 | 12 | 1220 |
| GW 46 206 F | 1 | 9 | 1122 |
| GW 46 206 F | 1 | 9 | 1220 |
| GW 46 207 F | 1 | 4 | 1220 |
| GW 46 232 | 1 | 60 | 1222 |
| GW 46 233 | 1 | 28 | 1222 |
| GW 46 234 | 1 | 20 | 1222 |
| GW 46 235 | 1 | 18 | 1222 |

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| | Pack/carton | Pallet | |
| GW 46 236 | 1 | 8 | 1222 |
| GW 46 237 | 1 | 4 | 1222 |
| GW 46 401 | 1/5 | 900 | 1227 |
| GW 46 402 | 1/5 | 400 | 1227 |
| GW 46 403 | 1/5 | 225 | 1227 |
| GW 46 404 | 1/5 | 160 | 1227 |
| GW 46 405 | 1/4 | 120 | 1227 |
| GW 46 406 | 1/3 | 90 | 1227 |
| GW 46 407 | 1 | 20 | 1227 |
| GW 46 408 | 1/5 | 1350 | 1227 |
| GW 46 409 | 1/5 | 720 | 1227 |
| GW 46 410 | 1/5 | 400 | 1227 |
| GW 46 411 | 1/4 | 288 | 1227 |
| GW 46 412 | 1/3 | 138 | 1227 |
| GW 46 413 | 1/2 | 80 | 1227 |
| GW 46 414 | 1/5 | 120 | 1224 |
| GW 46 415 | 1/4 | 128 | 1224 |
| GW 46 416 | 1/5 | 80 | 1224 |
| GW 46 417 | 1/2 | 120 | 1224 |
| GW 46 418 | 1/2 | 108 | 1224 |
| GW 46 419 | 1 | 13 | 1224 |
| GW 46 420 F | 1/10 | 480 | 1224 |
| GW 46 421 F | 1/10 | 360 | 1224 |
| GW 46 422 F | 1/10 | 240 | 1224 |
| GW 46 423 F | 1/5 | 180 | 1224 |
| GW 46 424 F | 1/5 | 90 | 1224 |
| GW 46 425 F | 1/10 | 640 | 1225 |
| GW 46 426 F | 1/10 | 500 | 1225 |
| GW 46 427 F | 1/13 | 468 | 1225 |
| GW 46 428 F | 1/5 | 400 | 1225 |
| GW 46 429 F | 1/5 | 90 | 1225 |
| GW 46 430 F | 1/10 | 500 | 1225 |
| GW 46 431 F | 1/10 | 240 | 1225 |
| GW 46 432 F | 1/10 | 320 | 1225 |
| GW 46 433 F | 1/10 | 320 | 1225 |
| GW 46 434 F | 1/10 | 220 | 1225 |
| GW 46 435 F | 1/10 | 600 | 1225 |
| GW 46 436 F | 1/10 | 550 | 1225 |
| GW 46 437 F | 1/10 | 330 | 1225 |
| GW 46 438 F | 1/10 | 150 | 1225 |
| GW 46 439 F | 1/10 | 90 | 1225 |
| GW 46 440 | 1/5 | 640 | 1227 |
| GW 46 441 | 1/5 | 360 | 1227 |
| GW 46 442 | 1/5 | 300 | 1227 |
| GW 46 443 | 1/5 | 200 | 1227 |
| GW 46 444 | 1/4 | 80 | 1227 |
| GW 46 445 | 10 | 1100 | 1125 |
| GW 46 445 | 10 | 1100 | 1231 |
| GW 46 445 | 10 | 1100 | 1237 |
| GW 46 446 | 20 | 1280 | 1095 |
| GW 46 446 | 20 | 1280 | 1228 |
| GW 46 446 | 20 | 1280 | 1236 |
| GW 46 447 | 1/10 | 200 | 831 |
| GW 46 447 | 1/10 | 200 | 846 |
| GW 46 447 | 1/10 | 200 | 870 |
| GW 46 447 | 1/10 | 200 | 894 |
| GW 46 447 | 1/10 | 200 | 934 |
| GW 46 447 | 1/10 | 200 | 1125 |
| GW 46 447 | 1/10 | 200 | 1232 |
| GW 46 448 | 1/2 | 120 | 599 |
| GW 46 448 | 1/2 | 120 | 868 |
| GW 46 448 | 1/2 | 120 | 892 |
| GW 46 448 | 1/2 | 120 | 933 |
| GW 46 448 | 1/2 | 120 | 1232 |

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| | Pack/carton | Pallet | |
| GW 46 449 | 1/10 | 700 | 1230 |
| GW 46 450 | 10/100 | 39000 | 1228 |
| GW 46 451 | 20 | 1280 | 1095 |
| GW 46 451 | 20 | 1280 | 1228 |
| GW 46 451 | 20 | 1280 | 1236 |
| GW 46 461 | 1/5 | 1350 | 1227 |
| GW 46 462 | 1/5 | 720 | 1227 |
| GW 46 463 | 1/5 | 360 | 1227 |
| GW 46 464 | 1/5 | 360 | 1227 |
| GW 46 465 | 1/4 | 168 | 1227 |
| GW 46 466 | 1/3 | 114 | 1227 |
| GW 46 467 | 1/2 | 40 | 1227 |
| GW 46 471 | 1/10 | 300 | 599 |
| GW 46 471 | 1/10 | 300 | 869 |
| GW 46 471 | 1/10 | 300 | 893 |
| GW 46 471 | 1/10 | 300 | 933 |
| GW 46 471 | 1/10 | 300 | 1232 |
| GW 46 475 F | 1/5 | 140 | 1225 |
| GW 46 476 F | 1/5 | 90 | 1225 |
| GW 46 477 F | 1/5 | 270 | 1225 |
| GW 46 478 F | 1/5 | 140 | 1225 |
| GW 46 479 F | 1 | 48 | 1225 |
| GW 46 480 | 1/5 | 225 | 1227 |
| GW 46 481 | 1/5 | 140 | 1227 |
| GW 46 482 | 1/5 | 160 | 1227 |
| GW 46 483 | 1/5 | 80 | 1227 |
| GW 46 484 | 1/2 | 40 | 1227 |
| GW 46 501 F | 1/6 | 180 | 1221 |
| GW 46 502 F | 1/6 | 144 | 1221 |
| GW 46 503 F | 1/8 | 72 | 1221 |
| GW 46 504 F | 1/8 | 160 | 1221 |
| GW 46 505 F | 1 | 22 | 1221 |
| GW 46 506 F | 1 | 13 | 1221 |
| GW 46 507 F | 1 | 10 | 1221 |
| GW 46 511 F | 1/6 | 540 | 1221 |
| GW 46 512 F | 1/6 | 144 | 1221 |
| GW 46 513 F | 1/8 | 56 | 1221 |
| GW 46 514 F | 1/8 | 160 | 1221 |
| GW 46 515 F | 1 | 22 | 1221 |
| GW 46 516 F | 1 | 13 | 1221 |
| GW 46 517 F | 1 | 40 | 1221 |
| GW 46 521 F | 1/20 | 1740 | 1230 |
| GW 46 522 | 10 | 3120 | 1231 |
| GW 46 522 | 10 | 3120 | 1236 |
| GW 46 523 | 10 | 1560 | 1231 |
| GW 46 523 | 10 | 1560 | 1237 |
| GW 46 524 F | 1/4 | 812 | 1229 |
| GW 46 526 | 1/20 | 400 | 1228 |
| GW 46 530 F | 1/10 | 400 | 1225 |
| GW 46 531 F | 1/10 | 240 | 1225 |
| GW 46 532 F | 1/10 | 240 | 1225 |
| GW 46 533 F | 1/10 | 240 | 1225 |
| GW 46 534 F | 1/10 | 120 | 1225 |
| GW 46 540 | 1/5 | 480 | 1228 |
| GW 46 541 | 1/5 | 360 | 1228 |
| GW 46 542 | 1/5 | 140 | 1228 |
| GW 46 543 | 1/5 | 120 | 1228 |
| GW 46 544 | 1/4 | 80 | 1228 |
| GW 46 551 | 1 | 80 | 1229 |
| GW 46 552 | 1 | 80 | 1095 |
| GW 46 552 | 1 | 80 | 1177 |
| GW 46 552 | 1 | 80 | 1229 |
| GW 46 553 | 1 | 180 | 1095 |
| GW 46 553 | 1 | 180 | 1229 |

| Code | Quantity | | Page |
|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 46 554 | 1 | 140 | 1123 |
| GW 46 554 | 1 | 140 | 1229 |
| GW 46 555 | 1 | 168 | 1229 |
| GW 46 557 F | 1/10 | 700 | 1229 |
| GW 46 564 | 1/5 | 120 | 1224 |
| GW 46 565 | 1/4 | 56 | 1224 |
| GW 46 566 | 1/5 | 100 | 1224 |
| GW 46 567 | 1/2 | 44 | 1224 |
| GW 46 568 | 1/2 | 44 | 1224 |
| GW 46 569 | 1 | 13 | 1224 |
| GW 46 570 F | 1 | 50 | 1226 |
| GW 46 571 F | 1 | 30 | 1226 |
| GW 46 572 F | 1 | 30 | 1226 |
| GW 46 573 F | 1 | 20 | 1226 |
| GW 46 577 F | 1 | 55 | 1226 |
| GW 46 578 F | 1 | 33 | 1226 |
| GW 46 579 F | 1 | 22 | 1226 |
| GW 46 580 | 1/5 | 200 | 1228 |
| GW 46 581 | 1/5 | 120 | 1228 |
| GW 46 582 | 1/5 | 60 | 1228 |
| GW 46 583 | 1/5 | 60 | 1228 |
| GW 46 584 | 1/2 | 120 | 1228 |
| GW 46 591 | 1/10 | 880 | 1229 |
| GW 46 592 F | 1/100 | 600 | 1231 |

| GW47 | | | |
|-------------|---|----|-----|
| GW 47 001 E | 1 | 12 | 840 |
| GW 47 002 E | 1 | 8 | 840 |
| GW 47 003 E | 1 | 10 | 840 |
| GW 47 004 E | 1 | 10 | 840 |
| GW 47 011 E | 1 | 10 | 840 |
| GW 47 012 E | 1 | 10 | 840 |
| GW 47 013 E | 1 | 8 | 840 |
| GW 47 014 E | 1 | 8 | 840 |
| GW 47 021 E | 1 | 11 | 840 |
| GW 47 022 E | 1 | 10 | 840 |
| GW 47 023 E | 1 | 8 | 840 |
| GW 47 024 E | 1 | 8 | 840 |
| GW 47 031 E | 1 | 10 | 841 |
| GW 47 032 E | 1 | 10 | 841 |
| GW 47 033 E | 1 | 8 | 841 |
| GW 47 034 E | 1 | 8 | 841 |
| GW 47 041 E | 1 | 10 | 841 |
| GW 47 042 E | 1 | 10 | 841 |
| GW 47 043 E | 1 | 8 | 841 |
| GW 47 044 E | 1 | 8 | 841 |
| GW 47 062 E | 1 | 10 | 841 |
| GW 47 063 E | 1 | 7 | 841 |
| GW 47 064 E | 1 | 9 | 841 |
| GW 47 072 | 1 | 12 | 827 |
| GW 47 073 | 1 | 11 | 827 |
| GW 47 074 | 1 | 11 | 827 |
| GW 47 082 | 1 | 10 | 827 |
| GW 47 083 | 1 | 10 | 827 |
| GW 47 084 | 1 | 10 | 827 |
| GW 47 087 | 1 | 12 | 827 |
| GW 47 088 | 1 | 10 | 827 |
| GW 47 089 | 1 | 9 | 827 |
| GW 47 111 | 1 | 9 | 594 |
| GW 47 111 | 1 | 9 | 833 |
| GW 47 111 | 1 | 9 | 848 |
| GW 47 112 | 1 | 10 | 594 |
| GW 47 112 | 1 | 10 | 833 |
| GW 47 112 | 1 | 10 | 848 |

| Code | Quantity | | Page |
|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 47 113 | 1 | 8 | 594 |
| GW 47 113 | 1 | 8 | 833 |
| GW 47 113 | 1 | 8 | 848 |
| GW 47 114 | 1 | 10 | 848 |
| GW 47 121 | 1 | 12 | 833 |
| GW 47 121 | 1 | 12 | 848 |
| GW 47 122 | 1 | 12 | 833 |
| GW 47 122 | 1 | 12 | 848 |
| GW 47 123 | 1 | 10 | 833 |
| GW 47 123 | 1 | 10 | 848 |
| GW 47 124 | 1 | 10 | 848 |
| GW 47 131 | 1 | 6 | 848 |
| GW 47 132 | 1 | 6 | 848 |
| GW 47 133 | 1 | 9 | 848 |
| GW 47 134 | 1 | 9 | 848 |
| GW 47 141 | 1 | 10 | 848 |
| GW 47 142 | 1 | 10 | 848 |
| GW 47 143 | 1 | 5 | 848 |
| GW 47 144 | 1 | 10 | 848 |
| GW 47 162 | 1 | 10 | 849 |
| GW 47 163 | 1 | 10 | 849 |
| GW 47 164 | 1 | 9 | 849 |
| GW 47 171 | 1/10 | 240 | 842 |
| GW 47 172 | 1/8 | 192 | 842 |
| GW 47 173 | 1/10 | 360 | 828 |
| GW 47 173 | 1/10 | 360 | 843 |
| GW 47 174 | 1/10 | 120 | 828 |
| GW 47 174 | 1/10 | 120 | 843 |
| GW 47 175 | 1/10 | 360 | 828 |
| GW 47 175 | 1/10 | 360 | 843 |
| GW 47 176 | 1/10 | 250 | 828 |
| GW 47 176 | 1/10 | 250 | 843 |
| GW 47 177 | 1/10 | 250 | 828 |
| GW 47 177 | 1/10 | 250 | 843 |
| GW 47 178 | 1/10 | 360 | 828 |
| GW 47 178 | 1/10 | 360 | 843 |
| GW 47 179 | 1/10 | 420 | 828 |
| GW 47 179 | 1/10 | 420 | 843 |
| GW 47 181 | 1/10 | 480 | 844 |
| GW 47 182 | 1/10 | 240 | 844 |
| GW 47 183 | 1/10 | 240 | 844 |
| GW 47 186 | 1/5 | 60 | 844 |
| GW 47 187 | 1/5 | 80 | 844 |
| GW 47 191 | 1/20 | 2880 | 830 |
| GW 47 191 | 1/20 | 2880 | 845 |
| GW 47 192 | 1/10 | 1440 | 598 |
| GW 47 192 | 1/10 | 1440 | 831 |
| GW 47 192 | 1/10 | 1440 | 846 |
| GW 47 192 | 1/10 | 1440 | 871 |
| GW 47 192 | 1/10 | 1440 | 894 |
| GW 47 193 | 1/5 | 300 | 598 |
| GW 47 193 | 1/5 | 300 | 831 |
| GW 47 193 | 1/5 | 300 | 846 |
| GW 47 194 E | 1/20 | 800 | 830 |
| GW 47 194 E | 1/20 | 800 | 845 |
| GW 47 195 | 10/100 | 14400 | 831 |
| GW 47 195 | 10/100 | 14400 | 847 |
| GW 47 197 | 1/10 | 1280 | 832 |
| GW 47 198 | 1/10 | 150 | 849 |
| GW 47 201 | 1/5 | 120 | 955 |
| GW 47 202 | 1/5 | 100 | 955 |
| GW 47 204 | 1/5 | 35 | 955 |
| GW 47 206 | 1 | 32 | 955 |
| GW 47 207 | 1 | 90 | 955 |

| Code | Quantity | | Page |
|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 47 211 | 10/100 | 12800 | 955 |
| GW 47 213 | 10/100 | 5000 | 955 |
| GW 47 215 | 10/100 | 28000 | 955 |
| GW 47 220 | 10/100 | 28000 | 955 |
| GW 47 226 | 10/100 | 12800 | 955 |
| GW 47 228 | 10/100 | 5000 | 955 |
| GW 47 231 | 10/100 | 12800 | 955 |
| GW 47 233 | 10/100 | 5000 | 955 |
| GW 47 246 | 10/100 | 12800 | 955 |
| GW 47 248 | 10/100 | 5000 | 955 |
| GW 47 251 | 1/10 | 480 | 829 |
| GW 47 252 | 1/10 | 120 | 829 |
| GW 47 253 | 1/10 | 180 | 829 |
| GW 47 261 | 1/5 | 15 | 842 |
| GW 47 262 | 1/5 | 15 | 842 |
| GW 47 263 | 1/5 | 15 | 828 |
| GW 47 277 | 1/5 | 35 | 842 |
| GW 47 278 | 1/5 | 35 | 842 |
| GW 47 279 | 1/5 | 35 | 842 |
| GW 47 280 | 1/5 | 35 | 842 |
| GW 47 291 | 10 | 800 | 830 |
| GW 47 291 | 10 | 800 | 845 |
| GW 47 291 | 10 | 800 | 867 |
| GW 47 291 | 10 | 800 | 891 |
| GW 47 291 | 10 | 800 | 931 |
| GW 47 291 | 10 | 800 | 1230 |
| GW 47 472 | 1/10 | 960 | 893 |
| GW 47 473 | 1/10 | 120 | 893 |
| GW 47 491 | 1/10 | 3120 | 895 |
| GW 47 492 | 1 | 312 | 934 |
| GW 47 494 | 1 | 312 | 871 |
| GW 47 494 | 1 | 312 | 895 |
| GW 47 601 | 1 | 32 | 958 |
| GW 47 602 | 1 | 20 | 958 |
| GW 47 637 | 1 | 100 | 963 |
| GW 47 651 | 1 | 500 | 965 |
| GW 47 652 | 1 | 500 | 965 |
| GW 47 653 | 1 | 500 | 965 |
| GW 47 654 | 1 | 500 | 965 |
| GW 47 655 | 1 | 50 | 965 |
| GW 47 656 | 1 | 40 | 965 |
| GW 47 691 | 1/5 | 200 | 867 |
| GW 47 691 | 1/5 | 200 | 891 |
| GW 47 691 | 1/5 | 200 | 932 |
| GW 47 692 | 1/5 | 125 | 867 |
| GW 47 692 | 1/5 | 125 | 891 |
| GW 47 692 | 1/5 | 125 | 932 |
| GW 47 693 | 1/5 | 50 | 867 |
| GW 47 693 | 1/5 | 50 | 891 |
| GW 47 693 | 1/5 | 50 | 932 |
| GW48 | | | |
| GW 48 001 | 162 | 4050 | 1389 |
| GW 48 002 | 114 | 2850 | 1389 |
| GW 48 003 | 84 | 2100 | 1389 |
| GW 48 004 | 64 | 1600 | 1389 |
| GW 48 005 | 49 | 980 | 1389 |
| GW 48 006 | 34 | 850 | 1389 |
| GW 48 006 P | 70 | 840 | 1340 |
| GW 48 006 P | 70 | 840 | 1390 |
| GW 48 006 PM | 1/30 | 750 | 1339 |
| GW 48 007 | 22 | 440 | 1389 |
| GW 48 007 P | 60 | 720 | 1340 |
| GW 48 007 P | 60 | 720 | 1390 |

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|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 48 007 PM | 1/21 | 420 | 1339 |
| GW 48 008 | 17 | 340 | 1389 |
| GW 48 008 P | 50 | 800 | 1340 |
| GW 48 008 P | 50 | 800 | 1390 |
| GW 48 008 PM | 1/14 | 350 | 1339 |
| GW 48 009 | 17 | 272 | 1389 |
| GW 48 009 P | 40 | 360 | 1340 |
| GW 48 009 P | 40 | 360 | 1390 |
| GW 48 009 PM | 1/12 | 144 | 1339 |
| GW 48 010 | 9 | 180 | 1389 |
| GW 48 010 P | 30 | 270 | 1390 |
| GW 48 011 | 5 | 125 | 1389 |
| GW 48 011 P | 25 | 175 | 1390 |
| GW 48 012 | 50/300 | 16200 | 1340 |
| GW 48 012 | 50/300 | 16200 | 1390 |
| GW 48 013 | 10/120 | 6480 | 1390 |
| GW 48 014 | 10/100 | 6400 | 1390 |
| GW 48 015 | 10/100 | 5000 | 1390 |
| GW 48 016 | 10/100 | 4000 | 1390 |
| GW 48 017 | 10/100 | 3600 | 1340 |
| GW 48 017 | 10/100 | 3600 | 1390 |
| GW 48 018 | 10/80 | 2400 | 1340 |
| GW 48 018 | 10/80 | 2400 | 1390 |
| GW 48 019 | 10/40 | 1600 | 1340 |
| GW 48 019 | 10/40 | 1600 | 1390 |
| GW 48 020 | 10/40 | 360 | 1340 |
| GW 48 020 | 10/40 | 360 | 1390 |
| GW 48 021 | 10/30 | 720 | 1390 |
| GW 48 022 | 10/20 | 220 | 1390 |
| GW 48 023 | 300/4200 | 0 | 1341 |
| GW 48 023 | 300/4200 | 0 | 1391 |
| GW 48 024 | 10/200 | 5600 | 1398 |
| GW 48 026 | 5/25 | 700 | 1373 |
| GW 48 026 | 5/25 | 700 | 1398 |
| GW 48 051 | 10 | 3120 | 1340 |
| GW 48 051 | 10 | 3120 | 1390 |
| GW 48 084 | 1/10 | 280 | 1391 |
| GW 48 085 | 1/8 | 128 | 1391 |
| GW 48 086 | 1/10 | 180 | 1341 |
| GW 48 086 | 1/10 | 180 | 1391 |
| GW 48 087 | 1/5 | 90 | 1341 |
| GW 48 087 | 1/5 | 90 | 1391 |
| GW 48 088 | 1/5 | 55 | 1341 |
| GW 48 088 | 1/5 | 55 | 1391 |
| GW 48 126 PM | 1/30 | 360 | 1339 |
| GW 48 207 | 8 | 200 | 1394 |
| GW 48 207 PM | 8 | 128 | 1344 |
| GW 48 211 | 6 | 120 | 1394 |
| GW 48 211 PM | 6 | 96 | 1344 |
| GW 48 227 | 4 | 100 | 1394 |
| GW 48 231 | 4 | 64 | 1394 |
| GW 48 247 | 1/15 | 420 | 1344 |
| GW 48 247 | 1/15 | 420 | 1395 |
| GW 48 251 | 1/10 | 200 | 1344 |
| GW 48 251 | 1/10 | 200 | 1395 |
| GW 48 267 | 1/10 | 80 | 1344 |
| GW 48 267 | 1/10 | 80 | 1395 |
| GW 48 271 | 1/5 | 100 | 1344 |
| GW 48 271 | 1/5 | 100 | 1395 |
| GW 48 611 | 1/70 | 490 | 1400 |
| GW 48 612 | 1/25 | 500 | 1400 |
| GW 48 613 | 1/40 | 240 | 1400 |
| GW 48 621 | 1/30 | 810 | 1400 |
| GW 48 622 | 1/20 | 540 | 1400 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 48 623 | 1/15 | 270 | 1400 |
| GW 48 643 | 1/100 | 12800 | 1399 |
| GW 48 644 | 1/10 | 1280 | 1296 |
| GW 48 644 | 1/10 | 1280 | 1376 |
| GW 48 644 | 1/10 | 1280 | 1399 |
| GW 48 645 | 1/100 | 7000 | 1297 |
| GW 48 645 | 1/100 | 7000 | 1338 |
| GW 48 645 | 1/100 | 7000 | 1372 |
| GW 48 645 | 1/100 | 7000 | 1399 |
| GW 48 651 | 1/30 | 810 | 1400 |
| GW 48 661 | 1/28 | 448 | 1396 |
| GW 48 662 | 1/14 | 224 | 1396 |
| GW 48 663 | 1/9 | 135 | 1396 |
| GW 48 671 | 1/28 | 448 | 1396 |
| GW 48 672 | 1/14 | 224 | 1396 |
| GW 48 673 | 1/9 | 135 | 1396 |
| GW 48 681 | 1/6 | 252 | 1371 |
| GW 48 681 | 1/6 | 252 | 1397 |
| GW 48 682 | 1/4 | 96 | 1371 |
| GW 48 682 | 1/4 | 96 | 1397 |
| GW 48 686 | 1/4 | 160 | 1371 |
| GW 48 686 | 1/4 | 160 | 1397 |
| GW 48 691 | 1/28 | 448 | 1396 |

| GW49 | | | |
|-----------|---|-----|-----|
| GW 49 001 | 1 | 8 | 912 |
| GW 49 002 | 1 | 4 | 912 |
| GW 49 003 | 1 | 2 | 912 |
| GW 49 004 | 1 | 15 | 912 |
| GW 49 005 | 1 | 5 | 912 |
| GW 49 006 | 1 | 5 | 912 |
| GW 49 007 | 1 | 10 | 912 |
| GW 49 008 | 1 | 5 | 912 |
| GW 49 009 | 1 | 4 | 912 |
| GW 49 011 | 1 | 30 | 912 |
| GW 49 012 | 1 | 49 | 912 |
| GW 49 021 | 1 | 24 | 913 |
| GW 49 022 | 1 | 40 | 913 |
| GW 49 023 | 1 | 20 | 913 |
| GW 49 024 | 1 | 28 | 913 |
| GW 49 025 | 1 | 100 | 917 |
| GW 49 026 | 1 | 150 | 917 |
| GW 49 031 | 1 | 15 | 914 |
| GW 49 032 | 1 | 15 | 914 |
| GW 49 033 | 1 | 15 | 914 |
| GW 49 034 | 1 | 15 | 914 |
| GW 49 041 | 1 | 30 | 914 |
| GW 49 042 | 1 | 15 | 914 |
| GW 49 043 | 1 | 15 | 914 |
| GW 49 044 | 1 | 30 | 914 |
| GW 49 045 | 1 | 15 | 914 |
| GW 49 046 | 1 | 13 | 914 |
| GW 49 051 | 1 | 20 | 915 |
| GW 49 052 | 1 | 20 | 915 |
| GW 49 053 | 1 | 10 | 915 |
| GW 49 054 | 1 | 10 | 915 |
| GW 49 055 | 1 | 9 | 915 |
| GW 49 056 | 1 | 9 | 915 |
| GW 49 061 | 1 | 11 | 915 |
| GW 49 062 | 1 | 10 | 915 |
| GW 49 063 | 1 | 10 | 915 |
| GW 49 064 | 1 | 10 | 915 |
| GW 49 065 | 1 | 8 | 915 |
| GW 49 066 | 1 | 8 | 915 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 49 071 | 1 | 8 | 915 |
| GW 49 072 | 1 | 6 | 915 |
| GW 49 073 | 1 | 6 | 915 |
| GW 49 074 | 1 | 6 | 915 |
| GW 49 081 | 1 | 11 | 915 |
| GW 49 082 | 1 | 13 | 915 |
| GW 49 083 | 1 | 13 | 915 |
| GW 49 084 | 1 | 14 | 915 |
| GW 49 085 | 1 | 9 | 915 |
| GW 49 086 | 1 | 9 | 915 |
| GW 49 091 | 1 | 23 | 914 |
| GW 49 092 | 1 | 23 | 914 |
| GW 49 093 | 1 | 19 | 914 |
| GW 49 094 | 1 | 23 | 914 |
| GW 49 095 | 1 | 26 | 914 |
| GW 49 096 | 1 | 26 | 914 |
| GW 49 097 | 1 | 40 | 918 |
| GW 49 098 | 1 | 40 | 918 |
| GW 49 101 | 1 | 108 | 916 |
| GW 49 102 | 1 | 150 | 916 |
| GW 49 103 | 1 | 50 | 916 |
| GW 49 104 | 1 | 100 | 916 |
| GW 49 105 | 1 | 200 | 916 |
| GW 49 106 | 1 | 80 | 916 |
| GW 49 107 | 1 | 200 | 916 |
| GW 49 108 | 1 | 100 | 916 |
| GW 49 111 | 1 | 6 | 917 |
| GW 49 112 | 1 | 20 | 917 |
| GW 49 113 | 1 | 18 | 917 |
| GW 49 114 | 1 | 20 | 917 |
| GW 49 115 | 1 | 20 | 918 |
| GW 49 116 | 1 | 4 | 918 |
| GW 49 117 | 1 | 4 | 918 |
| GW 49 121 | 1 | 20 | 918 |
| GW 49 122 | 1 | 20 | 918 |
| GW 49 123 | 1 | 22 | 918 |
| GW 49 124 | 1 | 22 | 918 |
| GW 49 131 | 1 | 80 | 933 |
| GW 49 132 | 1 | 64 | 933 |
| GW 49 133 | 1 | 48 | 933 |
| GW 49 134 | 1 | 80 | 933 |
| GW 49 135 | 1 | 64 | 933 |
| GW 49 136 | 1 | 48 | 933 |
| GW 49 137 | 1 | 64 | 933 |
| GW 49 138 | 1 | 64 | 933 |
| GW 49 139 | 1 | 48 | 933 |
| GW 49 140 | 1 | 48 | 933 |
| GW 49 141 | 1 | 48 | 933 |
| GW 49 142 | 1 | 48 | 933 |
| GW 49 146 | 1 | 160 | 919 |
| GW 49 147 | 1 | 120 | 919 |
| GW 49 148 | 1 | 72 | 919 |
| GW 49 149 | 1 | 48 | 919 |
| GW 49 151 | 1/12 | 480 | 956 |
| GW 49 152 | 1/12 | 1248 | 956 |
| GW 49 153 | 1/12 | 480 | 956 |
| GW 49 154 | 1/12 | 480 | 956 |
| GW 49 155 | 1 | 40 | 957 |
| GW 49 156 | 1/12 | 480 | 956 |
| GW 49 157 | 1/12 | 480 | 956 |
| GW 49 158 | 1/12 | 480 | 956 |
| GW 49 159 | 1/12 | 480 | 956 |
| GW 49 160 | 1 | 40 | 957 |
| GW 49 162 | 1 | 1100 | 934 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 49 163 | 1 | 250 | 932 |
| GW 49 164 | 1 | 1100 | 933 |
| GW 49 167 | 1 | 550 | 934 |
| GW 49 168 | 1 | 250 | 934 |
| GW 49 171 | 1/12 | 480 | 956 |
| GW 49 172 | 1/12 | 480 | 956 |
| GW 49 173 | 1/12 | 480 | 956 |
| GW 49 174 | 1/12 | 1440 | 956 |
| GW 49 175 | 1/12 | 480 | 956 |
| GW 49 176 | 1/12 | 1440 | 956 |
| GW 49 177 | 1/12 | 480 | 956 |
| GW 49 178 | 1/12 | 480 | 956 |
| GW 49 179 | 1 | 40 | 957 |
| GW 49 183 | 1 | 72 | 920 |
| GW 49 184 | 1 | 120 | 920 |
| GW 49 185 | 1 | 120 | 920 |
| GW 49 186 | 1 | 72 | 920 |
| GW 49 187 | 1 | 120 | 920 |
| GW 49 188 | 1 | 96 | 920 |
| GW 49 189 | 1 | 64 | 920 |
| GW 49 190 | 1 | 64 | 920 |
| GW 49 191 | 1 | 48 | 920 |
| GW 49 192 | 1 | 64 | 920 |
| GW 49 193 | 1 | 120 | 920 |
| GW 49 194 | 1 | 60 | 920 |
| GW 49 195 | 1 | 80 | 920 |
| GW 49 196 | 1 | 36 | 920 |
| GW 49 197 | 1 | 44 | 920 |
| GW 49 201 | 1/4 | 440 | 932 |
| GW 49 202 | 1/4 | 512 | 932 |
| GW 49 203 | 1 | 250 | 932 |
| GW 49 207 | 1 | 250 | 932 |
| GW 49 208 | 1 | 250 | 932 |
| GW 49 209 | 1 | 250 | 830 |
| GW 49 209 | 1 | 250 | 845 |
| GW 49 209 | 1 | 250 | 867 |
| GW 49 209 | 1 | 250 | 891 |
| GW 49 209 | 1 | 250 | 931 |
| GW 49 209 | 1 | 250 | 1230 |
| GW 49 211 | 1 | 150 | 916 |
| GW 49 212 | 1 | 150 | 916 |
| GW 49 213 | 1 | 100 | 916 |
| GW 49 221 | 1 | 200 | 919 |
| GW 49 222 | 1 | 1 | 919 |
| GW 49 223 | 1/6 | 60 | 919 |
| GW 49 224 | 1/6 | 144 | 919 |
| GW 49 225 | 1/6 | 72 | 919 |
| GW 49 227 | 1/6 | 42 | 919 |
| GW 49 228 | 1/6 | 378 | 919 |
| GW 49 230 | 1/6 | 600 | 919 |
| GW 49 311 | 1 | 16 | 922 |
| GW 49 312 | 1 | 16 | 922 |
| GW 49 313 | 1 | 20 | 922 |
| GW 49 314 | 1 | 6 | 922 |
| GW 49 315 | 1 | 6 | 922 |
| GW 49 316 | 1 | 6 | 922 |
| GW 49 317 | 1 | 18 | 922 |
| GW 49 318 | 1 | 16 | 922 |
| GW 49 319 | 1 | 6 | 922 |
| GW 49 320 | 1 | 16 | 922 |
| GW 49 322 | 1 | 10 | 922 |
| GW 49 340 | 1 | 10 | 922 |
| GW 49 432 | 1 | 20 | 926 |
| GW 49 433 | 1 | 20 | 926 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 49 434 | 1 | 20 | 926 |
| GW 49 435 | 1 | 12 | 926 |
| GW 49 436 | 1 | 12 | 926 |
| GW 49 437 | 1 | 12 | 926 |
| GW 49 438 | 1 | 12 | 926 |
| GW 49 439 | 1 | 16 | 926 |
| GW 49 440 | 1 | 10 | 926 |
| GW 49 441 | 1 | 20 | 926 |
| GW 49 442 | 1 | 12 | 926 |
| GW 49 443 | 1 | 16 | 926 |
| GW 49 451 | 1 | 120 | 927 |
| GW 49 452 | 1 | 360 | 927 |
| GW 49 453 | 1 | 180 | 927 |
| GW 49 454 | 1 | 120 | 927 |
| GW 49 455 | 1 | 80 | 927 |
| GW 49 456 | 1 | 480 | 927 |
| GW 49 457 | 1 | 288 | 927 |
| GW 49 458 | 1 | 160 | 927 |
| GW 49 459 | 1 | 160 | 927 |
| GW 49 460 | 1 | 80 | 927 |
| GW 49 461 | 1 | 40 | 927 |
| GW 49 463 | 1 | 14 | 927 |
| GW 49 464 | 1 | 14 | 927 |
| GW 49 465 | 1 | 120 | 927 |
| GW 49 466 | 1 | 54 | 927 |
| GW 49 467 | 1 | 24 | 927 |
| GW 49 468 | 1 | 240 | 928 |
| GW 49 469 | 1 | 40 | 928 |
| GW 49 470 | 1 | 400 | 927 |
| GW 49 471 | 1 | 180 | 927 |
| GW 49 472 | 1 | 160 | 927 |
| GW 49 473 | 1 | 120 | 927 |
| GW 49 474 | 1 | 80 | 927 |
| GW 49 476 | 1 | 20 | 927 |
| GW 49 477 | 1 | 20 | 927 |
| GW 49 478 | 1 | 120 | 927 |
| GW 49 479 | 1 | 60 | 927 |
| GW 49 480 | 1 | 32 | 927 |
| GW 49 481 | 1 | 10 | 927 |
| GW 49 491 | 1 | 16 | 923 |
| GW 49 492 | 1 | 28 | 923 |
| GW 49 493 | 1 | 56 | 923 |
| GW 49 494 | 1 | 14 | 923 |
| GW 49 495 | 1 | 14 | 923 |
| GW 49 496 | 1 | 14 | 923 |
| GW 49 501 | 1 | 200 | 919 |
| GW 49 502 | 1 | 288 | 919 |
| GW 49 503 | 1 | 120 | 957 |
| GW 49 504 | 1 | 144 | 919 |
| GW 49 506 | 1 | 180 | 919 |
| GW 49 507 | 1 | 60 | 957 |
| GW 49 508 | 1 | 80 | 919 |
| GW 49 514 | 1 | 160 | 927 |
| GW 49 515 | 1 | 160 | 927 |
| GW 49 516 | 1 | 160 | 927 |
| GW 49 517 | 1 | 160 | 927 |
| GW 49 518 | 1 | 120 | 927 |
| GW 49 519 | 1 | 120 | 927 |
| GW 49 520 | 1 | 120 | 927 |
| GW 49 521 | 1 | 120 | 927 |
| GW 49 531 | 1 | 30 | 930 |
| GW 49 532 | 1 | 48 | 930 |
| GW 49 534 | 1 | 32 | 930 |
| GW 49 535 | 1 | 40 | 930 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 49 536 | 1 | 40 | 930 |
| GW 49 538 | 1 | 16 | 930 |
| GW 49 539 | 1 | 16 | 930 |
| GW 49 540 | 1 | 20 | 930 |
| GW 49 541 | 1 | 20 | 930 |
| GW 49 543 | 1 | 20 | 930 |
| GW 49 544 | 1 | 22 | 930 |
| GW 49 550 | 1 | 550 | 930 |
| GW 49 551 | 1 | 550 | 930 |
| GW 49 553 | 1 | 120 | 930 |
| GW 49 554 | 1 | 0 | 930 |
| GW 49 555 | 1 | 40 | 930 |
| GW 49 556 | 1 | 24 | 930 |
| GW 49 558 | 1 | 40 | 930 |
| GW 49 561 | 1 | 180 | 930 |
| GW 49 562 | 1 | 160 | 930 |
| GW 49 563 | 1 | 80 | 930 |
| GW 49 564 | 1 | 160 | 930 |
| GW 49 565 | 1 | 144 | 930 |
| GW 49 566 | 1 | 160 | 930 |
| GW 49 567 | 1 | 30 | 931 |
| GW 49 568 | 1 | 20 | 931 |
| GW 49 569 | 1 | 10 | 931 |
| GW 49 570 | 1 | 30 | 931 |
| GW 49 571 | 1 | 50 | 931 |
| GW 49 572 | 1 | 80 | 931 |
| GW 49 573 | 1 | 1100 | 931 |
| GW 49 574 | 1 | 42 | 931 |
| GW 49 575 | 1 | 30 | 931 |
| GW 49 576 | 1 | 20 | 931 |
| GW 49 577 | 1 | 20 | 931 |
| GW 49 578 | 1 | 60 | 930 |
| GW 49 584 | 1 | 30 | 924 |
| GW 49 585 | 1 | 30 | 924 |
| GW 49 586 | 1 | 30 | 924 |
| GW 49 587 | 1 | 30 | 924 |
| GW 49 588 | 1 | 22 | 924 |
| GW 49 589 | 1 | 58 | 924 |
| GW 49 590 | 1 | 48 | 924 |
| GW 49 591 | 1 | 1100 | 962 |
| GW 49 592 | 1 | 60 | 924 |
| GW 49 593 | 1 | 48 | 924 |
| GW 49 594 | 1 | 30 | 924 |
| GW 49 595 | 1 | 36 | 924 |
| GW 49 601 | 1 | 77 | 956 |
| GW 49 602 | 1 | 55 | 956 |
| GW 49 603 | 1 | 126 | 956 |
| GW 49 627 | 1/12 | 1680 | 956 |
| GW 49 628 | 1/12 | 864 | 956 |
| GW 49 629 | 1/12 | 1680 | 956 |
| GW 49 630 | 1/12 | 1680 | 956 |
| GW 49 643 | 1/12 | 1680 | 957 |
| GW 49 644 | 1/6 | 840 | 957 |
| GW 49 646 | 1/6 | 1968 | 957 |
| GW 49 647 | 1 | 1100 | 962 |
| GW 49 648 | 1 | 1100 | 962 |
| GW 49 650 | 1 | 240 | 957 |
| GW 49 651 | 1 | 200 | 960 |
| GW 49 652 | 1 | 180 | 960 |
| GW 49 653 | 1 | 80 | 960 |
| GW 49 654 | 1 | 70 | 960 |
| GW 49 656 | 1 | 240 | 960 |
| GW 49 657 | 1 | 90 | 960 |
| GW 49 658 | 1 | 300 | 960 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 49 659 | 1 | 108 | 960 |
| GW 49 660 | 1 | 120 | 960 |
| GW 49 665 | 1 | 528 | 962 |
| GW 49 666 | 1 | 264 | 962 |
| GW 49 667 | 1 | 126 | 962 |
| GW 49 668 | 1 | 0 | 962 |
| GW 49 670 | 1 | 72 | 964 |
| GW 49 671 | 1 | 72 | 964 |
| GW 49 672 | 1 | 80 | 964 |
| GW 49 673 | 1 | 550 | 962 |
| GW 49 674 | 1 | 250 | 962 |
| GW 49 675 | 1 | 550 | 962 |
| GW 49 676 | 1 | 80 | 964 |
| GW 49 677 | 1 | 100 | 963 |
| GW 49 678 | 1 | 90 | 963 |
| GW 49 679 | 1 | 55 | 963 |
| GW 49 680 | 1 | 27 | 963 |
| GW 49 701 | 1 | 100 | 961 |
| GW 49 702 | 1 | 150 | 961 |
| GW 49 703 | 1 | 150 | 961 |
| GW 49 704 | 1 | 10 | 961 |
| GW 49 705 | 1 | 180 | 961 |
| GW 49 706 | 1 | 120 | 961 |
| GW 49 708 | 1 | 270 | 961 |
| GW 49 710 | 1 | 200 | 961 |
| GW 49 711 | 1 | 120 | 961 |
| GW 49 711 | 1 | 120 | 961 |
| GW 49 712 | 1 | 180 | 961 |
| GW 49 713 | 1 | 300 | 961 |
| GW 49 714 | 1 | 0 | 961 |
| GW 49 715 | 1 | 120 | 961 |
| GW 49 716 | 1 | 240 | 961 |
| GW 49 717 | 1 | 50 | 961 |
| GW 49 718 | 1 | 128 | 961 |
| GW 49 720 | 1 | 80 | 961 |
| GW 49 720 | 1 | 80 | 965 |
| GW 49 721 | 1 | 90 | 961 |
| GW 49 722 | 1 | 170 | 961 |
| GW 49 723 | 1 | 100 | 961 |
| GW 49 724 | 1 | 0 | 961 |
| GW 49 725 | 1 | 300 | 961 |
| GW 49 731 | 1 | 180 | 935 |
| GW 49 731 | 1 | 180 | 965 |
| GW 49 732 | 1 | 144 | 935 |
| GW 49 732 | 1 | 144 | 965 |
| GW 49 733 | 1 | 108 | 935 |
| GW 49 733 | 1 | 108 | 965 |
| GW 49 734 | 1 | 120 | 935 |
| GW 49 734 | 1 | 120 | 965 |
| GW 49 735 | 1 | 300 | 935 |
| GW 49 735 | 1 | 300 | 965 |
| GW 49 736 | 1 | 165 | 935 |
| GW 49 736 | 1 | 165 | 965 |
| GW 49 737 | 1 | 110 | 935 |
| GW 49 737 | 1 | 110 | 965 |
| GW 49 738 | 1 | 180 | 935 |
| GW 49 738 | 1 | 180 | 965 |
| GW 49 739 | 1 | 200 | 965 |
| GW 49 740 | 1 | 80 | 965 |
| GW 49 741 | 1 | 160 | 965 |
| GW 49 742 | 1 | 200 | 965 |
| GW 49 743 | 1 | 0 | 965 |
| GW 49 744 | 1 | 50 | 965 |
| GW 49 745 | 1 | 144 | 935 |

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| | Pack/carton | Pallet | |
| GW 49 746 | 1 | 120 | 935 |
| GW 49 747 | 1 | 100 | 935 |
| GW 49 748 | 1 | 300 | 935 |
| GW 49 749 | 1 | 90 | 965 |
| GW 49 762 | 1/6 | 720 | 953 |
| GW 49 763 | 1/6 | 300 | 953 |
| GW 49 764 | 1/6 | 420 | 953 |
| GW 49 766 | 1/6 | 840 | 953 |
| GW 49 767 | 1/6 | 300 | 953 |
| GW 49 768 | 1/6 | 420 | 953 |
| GW 49 769 | 1/6 | 300 | 953 |
| GW 49 770 | 1/6 | 720 | 953 |
| GW 49 771 | 1/6 | 720 | 953 |
| GW 49 772 | 1/6 | 720 | 953 |
| GW 49 773 | 1/6 | 720 | 953 |
| GW 49 774 | 1/6 | 720 | 953 |
| GW 49 775 | 1/6 | 720 | 953 |
| GW 49 776 | 1/6 | 1218 | 953 |
| GW 49 777 | 1/6 | 2100 | 953 |
| GW 49 778 | 1/6 | 2100 | 953 |
| GW 49 779 | 1/6 | 2100 | 953 |
| GW 49 780 | 1/6 | 3216 | 953 |
| GW 49 781 | 1/6 | 3216 | 953 |
| GW 49 782 | 1/6 | 3216 | 953 |
| GW 49 783 | 1/6 | 3216 | 953 |
| GW 49 784 | 1/6 | 720 | 954 |
| GW 49 788 | 1/6 | 546 | 954 |
| GW 49 789 | 1/6 | 546 | 954 |
| GW 49 792 | 1/6 | 300 | 954 |
| GW 49 793 | 1/6 | 300 | 954 |
| GW 49 794 | 1/6 | 300 | 954 |
| GW 49 795 | 1/6 | 300 | 954 |
| GW 49 797 | 1 | 77 | 954 |
| GW 49 798 | 1/6 | 330 | 954 |
| GW 49 801 | 1 | 100 | 929 |
| GW 49 805 | 1 | 80 | 929 |
| GW 49 806 | 1 | 40 | 929 |
| GW 49 807 | 1 | 30 | 929 |
| GW 49 808 | 1 | 20 | 929 |
| GW 49 809 | 1 | 64 | 929 |
| GW 49 810 | 1 | 20 | 929 |
| GW 49 811 | 1 | 6 | 929 |
| GW 49 812 | 1 | 60 | 929 |
| GW 49 813 | 1 | 40 | 929 |
| GW 49 814 | 1 | 30 | 929 |
| GW 49 815 | 1 | 16 | 929 |
| GW 49 816 | 1 | 48 | 929 |
| GW 49 817 | 1 | 15 | 929 |
| GW 49 818 | 1 | 4 | 929 |
| GW 49 819 | 1 | 120 | 929 |
| GW 49 823 | 1 | 120 | 929 |
| GW 49 824 | 1 | 80 | 929 |
| GW 49 825 | 1 | 60 | 929 |
| GW 49 826 | 1 | 30 | 929 |
| GW 49 827 | 1 | 50 | 929 |
| GW 49 828 | 1 | 23 | 929 |
| GW 49 829 | 1 | 23 | 929 |
| GW 49 830 | 1 | 15 | 929 |
| GW 49 831 | 1 | 15 | 929 |
| GW 49 832 | 1 | 50 | 930 |
| GW 49 833 | 1 | 48 | 930 |
| GW 49 834 | 1 | 60 | 930 |
| GW 49 851 | 1 | 60 | 929 |
| GW 49 852 | 1 | 40 | 929 |

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| | Pack/carton | Pallet | |
| GW 49 853 | 1 | 30 | 929 |
| GW 49 854 | 1 | 40 | 929 |
| GW 49 855 | 1 | 20 | 929 |
| GW 49 861 | 1 | 96 | 921 |
| GW 49 862 | 1 | 80 | 921 |
| GW 49 863 | 1 | 80 | 921 |
| GW 49 864 | 1 | 80 | 921 |
| GW 49 865 | 1 | 80 | 921 |
| GW 49 866 | 1 | 20 | 921 |
| GW 49 867 | 1 | 20 | 921 |
| GW 49 868 | 1 | 80 | 921 |
| GW 49 869 | 1 | 36 | 921 |
| GW 49 870 | 1 | 40 | 921 |
| GW 49 871 | 1 | 20 | 921 |
| GW 49 872 | 1 | 80 | 921 |
| GW 49 873 | 1 | 46 | 921 |
| GW 49 874 | 1 | 24 | 921 |
| GW 49 875 | 1 | 28 | 921 |
| GW 49 876 | 1 | 112 | 921 |
| GW 49 877 | 1 | 52 | 921 |
| GW 49 878 | 1 | 80 | 921 |
| GW 49 879 | 1 | 40 | 921 |
| GW 49 880 | 1 | 104 | 921 |
| GW 49 881 | 1 | 22 | 921 |
| GW 49 882 | 1 | 32 | 921 |
| GW 49 883 | 1 | 32 | 921 |
| GW 49 884 | 1 | 6 | 921 |
| GW 49 885 | 1 | 32 | 921 |
| GW 49 886 | 1 | 32 | 921 |
| GW 49 887 | 1 | 32 | 921 |
| GW 49 888 | 1 | 40 | 921 |
| GW 49 889 | 1 | 40 | 921 |
| GW 49 890 | 1 | 40 | 921 |
| GW 49 891 | 1 | 40 | 921 |
| GW 49 892 | 1 | 40 | 921 |
| GW 49 893 | 1 | 32 | 921 |
| GW 49 894 | 1 | 32 | 921 |
| GW 49 895 | 1 | 52 | 921 |
| GW 49 896 | 1 | 40 | 921 |
| GW 49 897 | 1 | 23 | 921 |
| GW 49 898 | 1 | 40 | 921 |
| GW 49 899 | 1 | 23 | 921 |
| GW 49 900 | 1 | 32 | 921 |
| GW 49 901 | 1 | 32 | 921 |
| GW 49 902 | 1 | 46 | 921 |
| GW 49 903 | 1 | 22 | 921 |
| GW 49 904 | 1 | 32 | 921 |
| GW 49 905 | 1 | 32 | 921 |
| GW 49 906 | 1 | 26 | 922 |
| GW 49 907 | 1 | 28 | 922 |
| GW 49 908 | 1 | 44 | 922 |
| GW 49 909 | 1 | 44 | 922 |
| GW 49 910 | 1 | 44 | 922 |
| GW 49 911 | 1 | 6 | 922 |
| GW 49 912 | 1 | 6 | 922 |
| GW 49 913 | 1 | 6 | 922 |
| GW 49 914 | 1 | 6 | 922 |
| GW 49 915 | 1 | 28 | 922 |
| GW 49 916 | 1 | 29 | 922 |
| GW 49 917 | 1 | 44 | 922 |
| GW 49 918 | 1 | 44 | 922 |
| GW 49 919 | 1 | 44 | 922 |
| GW 49 926 | 1 | 16 | 922 |
| GW 49 927 | 1 | 88 | 922 |

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| | Pack/carton | Pallet | |
| GW 49 928 | 1 | 80 | 922 |
| GW 49 929 | 1 | 40 | 922 |
| GW 49 930 | 1 | 52 | 922 |
| GW 49 931 | 1 | 52 | 922 |
| GW 49 932 | 1 | 30 | 922 |
| GW 49 933 | 1 | 40 | 922 |
| GW 49 934 | 1 | 42 | 922 |
| GW 49 935 | 1 | 28 | 922 |
| GW 49 941 | 1 | 104 | 925 |
| GW 49 942 | 1 | 20 | 925 |
| GW 49 943 | 1 | 112 | 925 |
| GW 49 944 | 1 | 48 | 925 |
| GW 49 945 | 1 | 20 | 925 |
| GW 49 946 | 1 | 104 | 925 |
| GW 49 947 | 1 | 20 | 925 |
| GW 49 948 | 1 | 36 | 925 |
| GW 49 949 | 1 | 44 | 925 |
| GW 49 950 | 1 | 56 | 925 |
| GW 49 951 | 1 | 104 | 925 |
| GW 49 952 | 1 | 36 | 925 |
| GW 49 953 | 1 | 32 | 925 |
| GW 49 954 | 1 | 16 | 925 |
| GW 49 955 | 1 | 32 | 925 |
| GW 49 956 | 1 | 32 | 925 |
| GW 49 957 | 1 | 32 | 925 |
| GW 49 958 | 1 | 12 | 925 |
| GW 49 959 | 1 | 12 | 925 |
| GW 49 960 | 1 | 16 | 925 |
| GW 49 961 | 1 | 8 | 925 |
| GW 49 962 | 1 | 8 | 925 |
| GW 49 963 | 1 | 12 | 925 |
| GW 49 964 | 1 | 32 | 925 |
| GW 49 965 | 1 | 32 | 925 |
| GW 49 966 | 1 | 32 | 925 |
| GW 49 967 | 1 | 32 | 925 |
| GW 49 968 | 1 | 16 | 925 |
| GW 49 969 | 1 | 16 | 925 |
| GW 49 970 | 1 | 16 | 925 |
| GW 49 971 | 1 | 16 | 925 |
| GW 49 972 | 1 | 32 | 925 |
| GW 49 973 | 1 | 32 | 925 |
| GW 49 974 | 1 | 32 | 925 |
| GW 49 975 | 1 | 32 | 925 |
| GW 49 976 | 1 | 12 | 925 |
| GW 49 977 | 1 | 12 | 925 |
| GW 49 978 | 1 | 8 | 925 |
| GW 49 979 | 1 | 8 | 925 |
| GW 49 980 | 1 | 48 | 925 |
| GW 49 981 | 1 | 44 | 925 |
| GW 49 982 | 1 | 44 | 925 |
| GW 49 983 | 1 | 44 | 925 |
| GW 49 984 | 1 | 40 | 925 |
| GW 49 985 | 1 | 22 | 925 |
| GW 49 986 | 1 | 12 | 925 |
| GW 49 987 | 1 | 22 | 925 |
| GW 49 988 | 1 | 22 | 925 |
| GW 49 989 | 1 | 44 | 925 |
| GW 49 990 | 1 | 44 | 925 |
| GW 49 991 | 1 | 44 | 925 |
| GW 49 992 | 1 | 44 | 925 |
| GW 49 993 | 1 | 44 | 925 |
| GW 49 996 | 1 | 28 | 930 |
| GW 49 997 | 1 | 28 | 930 |
| GW 49 998 | 1 | 38 | 930 |

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| | Pack/carton | Pallet | |
| GW 49 999 | 1 | 38 | 930 |
| GW50 | | | |
| GW 50 201 | 20/60 | 2400 | 1430 |
| GW 50 201 | 20/60 | 2400 | 1511 |
| GW 50 202 | 20/120 | 4560 | 1430 |
| GW 50 202 | 20/120 | 4560 | 1511 |
| GW 50 203 | 10/40 | 720 | 1430 |
| GW 50 203 | 10/40 | 720 | 1511 |
| GW 50 204 | 10/60 | 960 | 1430 |
| GW 50 204 | 10/60 | 960 | 1511 |
| GW 50 205 | 6/30 | 180 | 1430 |
| GW 50 205 | 6/30 | 180 | 1511 |
| GW 50 206 | 6/36 | 432 | 1430 |
| GW 50 206 | 6/36 | 432 | 1511 |
| GW 50 207 | 20/60 | 6000 | 1430 |
| GW 50 207 | 20/60 | 6000 | 1511 |
| GW 50 208 | 20/120 | 6000 | 1430 |
| GW 50 208 | 20/120 | 6000 | 1511 |
| GW 50 209 | 20/120 | 2880 | 1430 |
| GW 50 209 | 20/120 | 2880 | 1511 |
| GW 50 210 | 10/20 | 1280 | 1430 |
| GW 50 210 | 10/20 | 1280 | 1511 |
| GW 50 211 | 6/30 | 540 | 1430 |
| GW 50 211 | 6/30 | 540 | 1511 |
| GW 50 212 | 6/36 | 432 | 1430 |
| GW 50 212 | 6/36 | 432 | 1511 |
| GW 50 415 | 25/200 | 8000 | 1454 |
| GW 50 415 | 25/200 | 8000 | 1497 |
| GW 50 416 | 25/200 | 14400 | 1454 |
| GW 50 416 | 25/200 | 14400 | 1497 |
| GW 50 417 | 25/150 | 7500 | 1454 |
| GW 50 417 | 25/150 | 7500 | 1497 |
| GW 50 418 | 10/100 | 1800 | 1454 |
| GW 50 418 | 10/100 | 1800 | 1497 |
| GW 50 419 | 6/60 | 1080 | 1454 |
| GW 50 419 | 6/60 | 1080 | 1497 |
| GW 50 420 | 5/50 | 900 | 1454 |
| GW 50 420 | 5/50 | 900 | 1497 |
| GW 50 421 | 50/700 | 12600 | 1497 |
| GW 50 422 | 50/700 | 12600 | 1497 |
| GW 50 423 | 25/350 | 6300 | 1497 |
| GW 50 424 | 25/350 | 6300 | 1497 |
| GW 50 425 | 15/210 | 2100 | 1497 |
| GW 50 426 | 10/160 | 2560 | 1497 |
| GW 50 427 | 10/90 | 1440 | 1497 |
| GW 50 428 | 100/1000 | 0 | 1313 |
| GW 50 428 | 100/1000 | 0 | 1497 |
| GW 50 429 | 100/1000 | 50000 | 1313 |
| GW 50 429 | 100/1000 | 50000 | 1497 |
| GW 50 430 | 100/1000 | 30000 | 1313 |
| GW 50 430 | 100/1000 | 30000 | 1497 |
| GW 50 431 | 50/500 | 21000 | 1313 |
| GW 50 431 | 50/500 | 21000 | 1497 |
| GW 50 432 | 35/350 | 11200 | 1313 |
| GW 50 432 | 35/350 | 11200 | 1497 |
| GW 50 601 | 100/1800 | 97200 | 1501 |
| GW 50 602 | 100/1600 | 86400 | 1501 |
| GW 50 603 | 100/900 | 54000 | 1501 |
| GW 50 604 | 100/900 | 32400 | 1501 |
| GW 50 605 | 100/900 | 54000 | 1501 |
| GW 50 606 | 100/900 | 54000 | 1501 |
| GW 50 607 | 100/600 | 36000 | 1501 |
| GW 50 608 | 50/450 | 27000 | 1501 |

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| | Pack/carton | Pallet | |
| GW 50 609 | 50/350 | 18900 | 1501 |
| GW 50 610 | 100/8000 | 0 | 1505 |
| GW 50 611 | 100/8000 | 0 | 1505 |
| GW 50 612 | 100/8000 | 0 | 1505 |
| GW 50 613 | 100/6000 | 0 | 1505 |
| GW 50 614 | 100/6000 | 0 | 1505 |
| GW 50 615 | 100/6000 | 0 | 1505 |
| GW 50 616 | 100/3000 | 0 | 1505 |
| GW 50 617 | 100/1800 | 72000 | 1505 |
| GW 50 618 | 100/2000 | 32000 | 1505 |
| GW 50 619 | 50/900 | 36000 | 1505 |
| GW 50 620 | 50/1000 | 14000 | 1505 |
| GW 50 621 | 100/8000 | 0 | 1505 |
| GW 50 622 | 100/8000 | 0 | 1505 |
| GW 50 623 | 100/4000 | 0 | 1505 |
| GW 50 624 | 100/15000 | 0 | 1505 |
| GW 50 625 | 100/4800 | 0 | 1505 |
| GW 50 626 | 100/1000 | 16000 | 1505 |
| GW 50 627 | 100/1000 | 16000 | 1505 |
| GW 50 628 | 50/450 | 27000 | 1501 |
| GW 50 629 | 50/450 | 5400 | 1501 |
| GW 50 630 | 35/350 | 7000 | 1501 |
| GW 50 631 | 25/200 | 4000 | 1501 |
| GW 50 641 | 100/600 | 9600 | 1501 |
| GW 50 642 | 50/450 | 7200 | 1501 |
| GW 50 643 | 50/300 | 4800 | 1501 |
| GW 50 644 | 25/150 | 2400 | 1501 |
| GW 50 645 | 30 | 720 | 1502 |
| GW 50 651 | 50/500 | 24000 | 1502 |
| GW 50 652 | 25/250 | 12000 | 1502 |
| GW 50 653 | 15/150 | 7200 | 1502 |
| GW 50 666 | 200/3600 | 86400 | 1504 |
| GW 50 667 | 100/900 | 57600 | 1504 |
| GW 50 671 | 100/900 | 14400 | 1503 |
| GW 50 672 | 100/600 | 28800 | 1503 |
| GW 50 673 | 100/600 | 28800 | 1503 |
| GW 50 681 | 100/600 | 9600 | 1503 |
| GW 50 682 | 50/450 | 7200 | 1503 |
| GW 50 683 | 50/300 | 4800 | 1503 |
| GW 50 691 | 100 | 6400 | 1505 |
| GW 50 692 | 50 | 3200 | 1505 |
| GW 50 706 | 100/1000 | 18000 | 1503 |
| GW 50 707 | 100/1000 | 18000 | 1503 |
| GW 50 708 | 100/1000 | 18000 | 1503 |
| GW 50 709 | 50/500 | 9000 | 1503 |
| GW 50 716 | 100/1200 | 21600 | 1503 |
| GW 50 717 | 100/700 | 12600 | 1503 |
| GW 50 718 | 50/350 | 6300 | 1503 |
| GW 50 726 | 100/700 | 12600 | 1504 |
| GW 50 727 | 50/350 | 6300 | 1504 |
| GW 50 728 | 25/175 | 3150 | 1504 |
| GW 50 776 | 100/900 | 14400 | 1504 |
| GW 50 777 | 100/600 | 9600 | 1504 |
| GW 50 778 | 50/450 | 7200 | 1504 |
| GW 50 786 | 50/450 | 7200 | 1504 |
| GW 50 787 | 50/300 | 4800 | 1504 |
| GW 50 788 | 50 | 3200 | 1504 |
| GW 50 791 | 1/10 | 600 | 1507 |
| GW 50 792 | 10/100 | 1600 | 1507 |
| GW 50 798 | 1/10 | 200 | 1507 |
| GW 50 799 | 200/4000 | 0 | 1507 |
| GW 50 801 | 100/1600 | 38400 | 1506 |
| GW 50 802 | 100/800 | 26400 | 1506 |
| GW 50 803 | 100/800 | 38400 | 1506 |

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| | Pack/carton | Pallet | |
| GW 50 804 | 100/800 | 28800 | 1506 |
| GW 50 805 | 100/800 | 26400 | 1506 |
| GW 50 806 | 100/600 | 12000 | 1506 |
| GW 50 807 | 100/600 | 14400 | 1506 |
| GW 50 808 | 100/600 | 14400 | 1506 |
| GW 50 809 | 100/300 | 9000 | 1506 |
| GW 50 810 | 50/300 | 7200 | 1506 |
| GW 50 811 | 100/2400 | 43200 | 1506 |
| GW 50 812 | 100/2000 | 36000 | 1506 |
| GW 50 813 | 100/2000 | 48000 | 1506 |
| GW 50 814 | 100/1600 | 38400 | 1506 |
| GW 50 815 | 100/1000 | 40000 | 1506 |
| GW 50 816 | 50/1000 | 18000 | 1506 |
| GW 50 817 | 100/1000 | 24000 | 1506 |
| GW 50 818 | 50/600 | 16200 | 1506 |
| GW 50 819 | 50/600 | 7200 | 1506 |
| GW 50 820 | 50/300 | 7200 | 1506 |
| GW 50 821 | 100/2400 | 0 | 1506 |
| GW 50 822 | 100/3500 | 63000 | 1506 |
| GW 50 823 | 100/2000 | 48000 | 1506 |
| GW 50 824 | 100/1600 | 43200 | 1506 |
| GW 50 825 | 100/2000 | 36000 | 1506 |
| GW 50 826 | 50/1000 | 24000 | 1506 |
| GW 50 827 | 50/800 | 26400 | 1506 |
| GW 50 828 | 50/600 | 7200 | 1506 |
| GW 50 829 | 50/600 | 6000 | 1506 |
| GW 50 830 | 50/300 | 7200 | 1506 |
| GW 50 841 | 50/1000 | 18000 | 1506 |
| GW 50 842 | 50/1000 | 18000 | 1506 |
| GW 50 843 | 50/600 | 10800 | 1506 |
| GW 50 844 | 50/500 | 9000 | 1506 |
| GW 50 845 | 25/500 | 9000 | 1506 |
| GW 50 846 | 25/250 | 4500 | 1506 |

| GW52 | | | |
|-----------|--------|-------|------|
| GW 52 001 | 50/900 | 81000 | 1494 |
| GW 52 002 | 50/600 | 42000 | 1494 |
| GW 52 003 | 25/500 | 27000 | 1494 |
| GW 52 004 | 25/500 | 27000 | 1494 |
| GW 52 005 | 25/375 | 18750 | 1494 |
| GW 52 006 | 25/400 | 9600 | 1494 |
| GW 52 007 | 25/250 | 5000 | 1494 |
| GW 52 008 | 10/130 | 3900 | 1494 |
| GW 52 009 | 6/120 | 1440 | 1494 |
| GW 52 010 | 5/100 | 1200 | 1494 |
| GW 52 024 | 15/300 | 7200 | 1495 |
| GW 52 025 | 15/240 | 4320 | 1495 |
| GW 52 026 | 15/240 | 3840 | 1495 |
| GW 52 027 | 15/135 | 2160 | 1495 |
| GW 52 028 | 6/54 | 972 | 1495 |
| GW 52 029 | 4/80 | 480 | 1495 |
| GW 52 042 | 50/600 | 25200 | 1494 |
| GW 52 043 | 50/400 | 8800 | 1494 |
| GW 52 044 | 25/300 | 18000 | 1494 |
| GW 52 045 | 25/200 | 11200 | 1494 |
| GW 52 046 | 25/150 | 6750 | 1494 |
| GW 52 047 | 10/120 | 2400 | 1494 |
| GW 52 048 | 6/84 | 2016 | 1494 |
| GW 52 049 | 5/60 | 600 | 1494 |
| GW 52 071 | 50/600 | 24000 | 1494 |
| GW 52 072 | 50/400 | 38400 | 1494 |
| GW 52 073 | 50/600 | 36000 | 1494 |
| GW 52 074 | 25/300 | 18000 | 1494 |
| GW 52 075 | 25/300 | 18000 | 1494 |

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| | Pack/carton | Pallet | |
| GW 52 076 | 25/200 | 11200 | 1494 |
| GW 52 077 | 25/150 | 6750 | 1494 |
| GW 52 078 | 10/120 | 2400 | 1494 |
| GW 52 079 | 6/84 | 2016 | 1494 |
| GW 52 080 | 5/60 | 1200 | 1494 |
| GW 52 081 | 100/1000 | 36000 | 1495 |
| GW 52 082 | 100/800 | 28800 | 1495 |
| GW 52 083 | 100/800 | 12800 | 1495 |
| GW 52 084 | 100/500 | 9000 | 1495 |
| GW 52 085 | 100/500 | 8000 | 1495 |
| GW 52 086 | 100/500 | 4000 | 1495 |
| GW 52 087 | 50/250 | 2000 | 1495 |
| GW 52 088 | 25/125 | 1000 | 1495 |
| GW 52 201 | 100/4000 | 64000 | 1519 |
| GW 52 202 | 100/3000 | 48000 | 1519 |
| GW 52 203 | 100/1000 | 16000 | 1519 |
| GW 52 204 | 100/3000 | 24000 | 1519 |
| GW 52 205 | 100/1200 | 38400 | 1519 |
| GW 52 206 | 100/1000 | 24000 | 1519 |
| GW 52 207 | 100/500 | 12000 | 1519 |
| GW 52 208 | 100/500 | 4000 | 1519 |
| GW 52 209 | 100/3000 | 54000 | 1520 |
| GW 52 210 | 100/3000 | 96000 | 1520 |
| GW 52 226 | 100/3000 | 0 | 1518 |
| GW 52 227 | 100/3000 | 0 | 1518 |
| GW 52 228 | 100/3000 | 0 | 1519 |
| GW 52 229 | 100/3000 | 0 | 1519 |
| GW 52 231 | 1000/20000 | 0 | 1517 |
| GW 52 232 | 1000/20000 | 0 | 1517 |
| GW 52 233 | 100/10000 | 0 | 1517 |
| GW 52 234 | 100/10000 | 0 | 1517 |
| GW 52 235 | 100/10000 | 0 | 1517 |
| GW 52 236 | 100/10000 | 0 | 1517 |
| GW 52 237 | 100/5000 | 0 | 1517 |
| GW 52 238 | 100/5000 | 0 | 1517 |
| GW 52 239 | 100/5000 | 0 | 1517 |
| GW 52 240 | 100/5000 | 0 | 1517 |
| GW 52 241 | 100/1000 | 50000 | 1517 |
| GW 52 242 | 50/500 | 27500 | 1517 |
| GW 52 243 | 50/500 | 7500 | 1517 |
| GW 52 251 | 1000/20000 | 0 | 1517 |
| GW 52 252 | 1000/20000 | 0 | 1517 |
| GW 52 253 | 100/10000 | 0 | 1517 |
| GW 52 254 | 100/10000 | 0 | 1517 |
| GW 52 255 | 100/10000 | 0 | 1517 |
| GW 52 256 | 100/10000 | 0 | 1517 |
| GW 52 257 | 100/5000 | 0 | 1517 |
| GW 52 258 | 100/5000 | 0 | 1517 |
| GW 52 259 | 100/5000 | 0 | 1517 |
| GW 52 260 | 100/5000 | 0 | 1517 |
| GW 52 261 | 100/1000 | 50000 | 1517 |
| GW 52 262 | 50/500 | 32500 | 1517 |
| GW 52 263 | 50/500 | 15000 | 1517 |
| GW 52 271 | 100/1000 | 64000 | 1518 |
| GW 52 272 | 100/1000 | 27000 | 1518 |
| GW 52 273 | 100/1000 | 27000 | 1518 |
| GW 52 281 | 100/5000 | 0 | 1518 |
| GW 52 282 | 100/2000 | 54000 | 1518 |
| GW 52 291 | 100/5000 | 0 | 1518 |
| GW 52 292 | 100/5000 | 0 | 1518 |
| GW 52 293 | 100/2000 | 54000 | 1518 |
| GW 52 294 | 100/2000 | 54000 | 1518 |
| GW 52 341 | 100/1000 | 50000 | 1496 |
| GW 52 342 | 100/1000 | 50000 | 1496 |

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| | Pack/carton | Pallet | |
| GW 52 343 | 100/800 | 40000 | 1496 |
| GW 52 344 | 100/800 | 40000 | 1496 |
| GW 52 345 | 100/600 | 30000 | 1496 |
| GW 52 346 | 100/500 | 14000 | 1496 |
| GW 52 347 | 50/250 | 12500 | 1496 |
| GW 52 348 | 25/200 | 10000 | 1496 |
| GW 52 349 | 25/150 | 5400 | 1496 |
| GW 52 350 | 25/100 | 3600 | 1496 |
| GW 52 352 | 100/1000 | 50000 | 1496 |
| GW 52 353 | 100/1000 | 50000 | 1496 |
| GW 52 354 | 100/800 | 40000 | 1496 |
| GW 52 355 | 100/800 | 40000 | 1496 |
| GW 52 356 | 100/600 | 16800 | 1496 |
| GW 52 357 | 100/500 | 25000 | 1496 |
| GW 52 358 | 50/250 | 12500 | 1496 |
| GW 52 359 | 25/125 | 4500 | 1496 |
| GW 52 361 | 100/500 | 0 | 1496 |
| GW 52 362 | 100/500 | 0 | 1496 |
| GW 52 363 | 100/400 | 20000 | 1496 |
| GW 52 364 | 100/400 | 28000 | 1496 |
| GW 52 365 | 100/300 | 21000 | 1496 |
| GW 52 366 | 100/300 | 21000 | 1496 |
| GW 52 367 | 50/250 | 7000 | 1496 |
| GW 52 368 | 25/150 | 7500 | 1496 |
| GW 52 369 | 25/125 | 6250 | 1496 |
| GW 52 370 | 10/100 | 5000 | 1496 |
| GW 52 372 | 100/500 | 0 | 1496 |
| GW 52 373 | 100/500 | 0 | 1496 |
| GW 52 374 | 100/400 | 20000 | 1496 |
| GW 52 375 | 100/400 | 28000 | 1496 |
| GW 52 376 | 50/250 | 17500 | 1496 |
| GW 52 377 | 50/200 | 5600 | 1496 |
| GW 52 378 | 25/150 | 7500 | 1496 |
| GW 52 379 | 10/100 | 4000 | 1496 |
| GW 52 401 | 1/4 | 512 | 1313 |
| GW 52 401 | 1/4 | 512 | 1508 |
| GW 52 402 | 10 | 1280 | 1326 |
| GW 52 402 | 10 | 1280 | 1508 |
| GW 52 403 | 10 | 1280 | 1508 |
| GW 52 410 | 1/10 | 640 | 1519 |
| GW 52 411 | 1/10 | 270 | 1520 |
| GW 52 412 | 1/4 | 512 | 1508 |
| GW 52 420 | 1 | 20 | 1507 |
| GW 52 441 | 500/2500 | 0 | 1496 |
| GW 52 442 | 500/2500 | 0 | 1496 |
| GW 52 443 | 500/2000 | 0 | 1496 |
| GW 52 444 | 500/2000 | 0 | 1496 |
| GW 52 445 | 500/2000 | 0 | 1496 |
| GW 52 446 | 500/1500 | 0 | 1496 |
| GW 52 447 | 250/1250 | 87500 | 1496 |
| GW 52 448 | 100/1000 | 70000 | 1496 |
| GW 52 449 | 50/500 | 0 | 1496 |
| GW 52 450 | 50/400 | 0 | 1496 |
| GW 52 452 | 500/2500 | 0 | 1496 |
| GW 52 453 | 500/2500 | 0 | 1496 |
| GW 52 454 | 500/2000 | 0 | 1496 |
| GW 52 455 | 500/2000 | 0 | 1496 |
| GW 52 456 | 250/1250 | 87500 | 1496 |
| GW 52 457 | 50/1250 | 87500 | 1496 |
| GW 52 458 | 500/1000 | 70000 | 1496 |
| GW 52 459 | 50/500 | 35000 | 1496 |
| GW60 | | | |
| GW 60 001 FH | 25 | 450 | 980 |

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| | Pack/carton | Pallet | |
| GW 60 001 H | 50 | 1600 | 982 |
| GW 60 002 FH | 15 | 240 | 980 |
| GW 60 002 H | 100 | 400 | 982 |
| GW 60 003 FH | 50 | 200 | 980 |
| GW 60 003 H | 15 | 240 | 982 |
| GW 60 004 FH | 50 | 800 | 980 |
| GW 60 004 H | 100 | 2500 | 982 |
| GW 60 005 FH | 15 | 240 | 980 |
| GW 60 005 H | 25 | 450 | 982 |
| GW 60 005 WH | 15 | 240 | 984 |
| GW 60 006 FH | 15 | 240 | 980 |
| GW 60 006 H | 15 | 360 | 982 |
| GW 60 006 WH | 15 | 360 | 984 |
| GW 60 007 FH | 15 | 240 | 980 |
| GW 60 007 H | 15 | 360 | 982 |
| GW 60 008 FH | 25 | 450 | 980 |
| GW 60 008 H | 100 | 2000 | 982 |
| GW 60 008 WH | 15 | 360 | 984 |
| GW 60 009 FH | 50 | 400 | 980 |
| GW 60 009 H | 50 | 1200 | 982 |
| GW 60 009 WH | 15 | 960 | 984 |
| GW 60 010 H | 15 | 360 | 982 |
| GW 60 011 H | 15 | 240 | 982 |
| GW 60 012 FH | 15 | 240 | 980 |
| GW 60 012 H | 15 | 360 | 982 |
| GW 60 013 FH | 15 | 240 | 980 |
| GW 60 013 H | 15 | 360 | 982 |
| GW 60 014 FH | 15 | 240 | 980 |
| GW 60 014 H | 15 | 240 | 982 |
| GW 60 015 FH | 15 | 360 | 980 |
| GW 60 015 H | 25 | 1050 | 982 |
| GW 60 016 FH | 15 | 240 | 980 |
| GW 60 016 H | 50 | 400 | 982 |
| GW 60 016 WH | 15 | 240 | 984 |
| GW 60 017 FH | 15 | 240 | 980 |
| GW 60 017 H | 15 | 240 | 982 |
| GW 60 017 WH | 15 | 240 | 984 |
| GW 60 018 FH | 15 | 240 | 980 |
| GW 60 018 H | 15 | 360 | 982 |
| GW 60 019 FH | 15 | 360 | 980 |
| GW 60 019 H | 50 | 1200 | 982 |
| GW 60 019 WH | 15 | 360 | 984 |
| GW 60 020 FH | 15 | 360 | 980 |
| GW 60 020 H | 50 | 800 | 982 |
| GW 60 020 WH | 15 | 960 | 984 |
| GW 60 021 H | 15 | 240 | 982 |
| GW 60 022 H | 15 | 240 | 982 |
| GW 60 023 FH | 15 | 240 | 981 |
| GW 60 023 H | 25 | 450 | 983 |
| GW 60 024 FH | 15 | 240 | 981 |
| GW 60 024 H | 15 | 360 | 983 |
| GW 60 025 FH | 15 | 180 | 981 |
| GW 60 025 H | 15 | 180 | 983 |
| GW 60 026 FH | 50 | 1200 | 981 |
| GW 60 026 H | 100 | 1600 | 983 |
| GW 60 027 FH | 15 | 240 | 981 |
| GW 60 027 H | 15 | 360 | 983 |
| GW 60 027 WH | 15 | 240 | 985 |
| GW 60 028 FH | 15 | 270 | 981 |
| GW 60 028 H | 15 | 270 | 983 |
| GW 60 028 WH | 15 | 120 | 985 |
| GW 60 029 FH | 15 | 240 | 981 |
| GW 60 029 H | 15 | 240 | 983 |
| GW 60 030 FH | 15 | 360 | 981 |

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| | Pack/carton | Pallet | |
| GW 60 030 H | 25 | 1050 | 983 |
| GW 60 030 WH | 15 | 360 | 985 |
| GW 60 031 FH | 25 | 200 | 981 |
| GW 60 031 H | 25 | 600 | 983 |
| GW 60 031 WH | 15 | 270 | 985 |
| GW 60 032 H | 15 | 360 | 983 |
| GW 60 033 H | 15 | 180 | 983 |
| GW 60 034 FH | 15 | 180 | 981 |
| GW 60 034 H | 15 | 270 | 983 |
| GW 60 035 FH | 15 | 270 | 981 |
| GW 60 035 H | 15 | 270 | 983 |
| GW 60 036 FH | 15 | 180 | 981 |
| GW 60 036 H | 15 | 180 | 983 |
| GW 60 037 FH | 15 | 270 | 981 |
| GW 60 037 H | 15 | 270 | 983 |
| GW 60 038 FH | 15 | 180 | 981 |
| GW 60 038 H | 15 | 270 | 983 |
| GW 60 038 WH | 15 | 120 | 985 |
| GW 60 039 FH | 15 | 180 | 981 |
| GW 60 039 H | 15 | 180 | 983 |
| GW 60 039 WH | 15 | 120 | 985 |
| GW 60 040 FH | 15 | 180 | 981 |
| GW 60 040 H | 15 | 180 | 983 |
| GW 60 041 FH | 15 | 90 | 981 |
| GW 60 041 H | 15 | 270 | 983 |
| GW 60 041 WH | 15 | 270 | 985 |
| GW 60 042 FH | 15 | 270 | 981 |
| GW 60 042 H | 25 | 600 | 983 |
| GW 60 042 WH | 15 | 270 | 985 |
| GW 60 043 H | 15 | 270 | 983 |
| GW 60 044 H | 15 | 180 | 983 |
| GW 60 056 H | 1/2 | 48 | 987 |
| GW 60 057 H | 1/2 | 48 | 987 |
| GW 60 058 H | 1/2 | 48 | 987 |
| GW 60 059 H | 1/2 | 48 | 987 |
| GW 60 060 H | 1/2 | 128 | 987 |
| GW 60 061 H | 1/2 | 128 | 987 |
| GW 60 062 H | 1/2 | 48 | 987 |
| GW 60 063 H | 1/2 | 48 | 987 |
| GW 60 064 | 10/40 | 2880 | 1021 |
| GW 60 065 | 10/20 | 720 | 1021 |
| GW 60 066 | 10/20 | 800 | 1021 |
| GW 60 067 | 10/20 | 800 | 1021 |
| GW 60 068 | 10/20 | 720 | 1021 |
| GW 60 069 | 10/20 | 960 | 1021 |
| GW 60 070 | 10/20 | 720 | 1021 |
| GW 60 071 | 10/20 | 960 | 1021 |
| GW 60 072 | 10/20 | 960 | 1021 |
| GW 60 073 | 10/20 | 960 | 1021 |
| GW 60 074 | 10/20 | 960 | 1021 |
| GW 60 075 | 10/20 | 800 | 1021 |
| GW 60 076 | 10/20 | 720 | 1021 |
| GW 60 077 | 10/20 | 960 | 1021 |
| GW 60 078 | 10/20 | 960 | 1021 |
| GW 60 079 | 10/20 | 960 | 1021 |
| GW 60 080 | 10/20 | 960 | 1021 |
| GW 60 081 | 10/20 | 960 | 1021 |
| GW 60 082 | 10/40 | 1440 | 988 |
| GW 60 083 | 10/20 | 560 | 988 |
| GW 60 084 | 10/20 | 560 | 988 |
| GW 60 085 | 10/40 | 960 | 988 |
| GW 60 086 | 10/20 | 560 | 988 |
| GW 60 087 | 10/20 | 560 | 988 |
| GW 60 088 | 10/20 | 720 | 988 |

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| | Pack/carton | Pallet | |
| GW 60 089 | 10/40 | 800 | 988 |
| GW 60 090 | 10/40 | 480 | 988 |
| GW 60 091 | 10/20 | 560 | 988 |
| GW 60 092 | 10/20 | 560 | 988 |
| GW 60 093 | 8/16 | 512 | 988 |
| GW 60 094 | 8/16 | 512 | 988 |
| GW 60 095 | 8/16 | 512 | 988 |
| GW 60 096 | 8/16 | 384 | 988 |
| GW 60 097 | 8/16 | 512 | 988 |
| GW 60 098 | 8/16 | 512 | 988 |
| GW 60 099 | 8/16 | 384 | 988 |
| GW 60 101 | 8/16 | 384 | 988 |
| GW 60 102 | 8/16 | 384 | 988 |
| GW 60 103 | 8/16 | 512 | 988 |
| GW 60 104 | 8/16 | 384 | 988 |
| GW 60 105 | 10/20 | 560 | 988 |
| GW 60 106 | 10/20 | 640 | 988 |
| GW 60 107 | 10/20 | 360 | 988 |
| GW 60 108 | 10/40 | 480 | 988 |
| GW 60 109 | 10/20 | 640 | 988 |
| GW 60 110 | 10/20 | 320 | 988 |
| GW 60 111 | 10/20 | 560 | 988 |
| GW 60 112 | 10/40 | 640 | 988 |
| GW 60 113 | 10/40 | 480 | 988 |
| GW 60 114 | 10/20 | 480 | 988 |
| GW 60 115 | 10/20 | 400 | 988 |
| GW 60 116 | 8/16 | 288 | 988 |
| GW 60 117 | 8/16 | 288 | 988 |
| GW 60 118 | 8/16 | 288 | 988 |
| GW 60 119 | 8/16 | 288 | 988 |
| GW 60 120 | 8/16 | 288 | 988 |
| GW 60 121 | 8/16 | 288 | 988 |
| GW 60 122 | 8/16 | 288 | 988 |
| GW 60 123 | 8/16 | 288 | 988 |
| GW 60 124 | 8/16 | 288 | 988 |
| GW 60 125 | 8/16 | 288 | 988 |
| GW 60 126 | 8/16 | 288 | 988 |
| GW 60 127 | 10/40 | 800 | 1022 |
| GW 60 128 | 10/20 | 800 | 1022 |
| GW 60 129 | 10/20 | 800 | 1022 |
| GW 60 130 | 10/20 | 800 | 1022 |
| GW 60 131 | 10/20 | 800 | 1022 |
| GW 60 132 | 10/20 | 800 | 1022 |
| GW 60 133 | 10/20 | 800 | 1022 |
| GW 60 134 | 10/20 | 800 | 1022 |
| GW 60 135 | 10/20 | 800 | 1022 |
| GW 60 136 | 10/20 | 800 | 1022 |
| GW 60 137 | 10/20 | 800 | 1022 |
| GW 60 138 | 10/20 | 800 | 1022 |
| GW 60 139 | 10/20 | 800 | 1022 |
| GW 60 140 | 10/20 | 800 | 1022 |
| GW 60 141 | 10/20 | 800 | 1022 |
| GW 60 142 | 10/20 | 800 | 1022 |
| GW 60 143 | 10/20 | 800 | 1022 |
| GW 60 144 | 10/20 | 800 | 1022 |
| GW 60 145 H | 25 | 200 | 983 |
| GW 60 146 | 8/16 | 288 | 988 |
| GW 60 201 | 10/20 | 480 | 989 |
| GW 60 202 | 10/20 | 640 | 989 |
| GW 60 203 | 10/20 | 640 | 989 |
| GW 60 204 | 10/20 | 480 | 989 |
| GW 60 205 | 10/20 | 480 | 989 |
| GW 60 206 | 10/20 | 640 | 989 |
| GW 60 207 | 10/20 | 480 | 989 |

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| | Pack/carton | Pallet | |
| GW 60 208 | 10/20 | 640 | 989 |
| GW 60 209 | 10/20 | 400 | 989 |
| GW 60 210 | 10/20 | 640 | 989 |
| GW 60 211 | 10/20 | 480 | 989 |
| GW 60 212 | 8/16 | 288 | 989 |
| GW 60 213 | 8/16 | 288 | 989 |
| GW 60 214 | 8/16 | 288 | 989 |
| GW 60 215 | 8/16 | 288 | 989 |
| GW 60 216 | 8/16 | 288 | 989 |
| GW 60 217 | 8/16 | 288 | 989 |
| GW 60 218 | 8/16 | 288 | 989 |
| GW 60 219 | 8/16 | 288 | 989 |
| GW 60 220 | 8/16 | 288 | 989 |
| GW 60 221 | 8/16 | 288 | 989 |
| GW 60 222 | 8/16 | 288 | 989 |
| GW 60 223 | 10/20 | 400 | 989 |
| GW 60 224 | 10/20 | 240 | 989 |
| GW 60 225 | 10/20 | 400 | 989 |
| GW 60 226 | 10/20 | 360 | 989 |
| GW 60 227 | 10/20 | 360 | 989 |
| GW 60 228 | 10/20 | 360 | 989 |
| GW 60 229 | 10/20 | 400 | 989 |
| GW 60 230 | 10/20 | 400 | 989 |
| GW 60 231 | 10/20 | 400 | 989 |
| GW 60 232 | 10/20 | 400 | 989 |
| GW 60 233 | 10/20 | 400 | 989 |
| GW 60 234 | 8/16 | 288 | 989 |
| GW 60 235 | 8/16 | 288 | 989 |
| GW 60 236 | 8/16 | 96 | 989 |
| GW 60 237 | 8/16 | 192 | 989 |
| GW 60 238 | 8/16 | 288 | 989 |
| GW 60 239 | 8/16 | 128 | 989 |
| GW 60 240 | 8/16 | 288 | 989 |
| GW 60 241 | 8/16 | 288 | 989 |
| GW 60 242 | 8/16 | 96 | 989 |
| GW 60 243 | 8/16 | 288 | 989 |
| GW 60 244 | 8/16 | 128 | 989 |
| GW 60 245 | 10/20 | 560 | 1022 |
| GW 60 246 | 10/20 | 560 | 1022 |
| GW 60 247 | 10/20 | 560 | 1022 |
| GW 60 248 | 10/20 | 560 | 1022 |
| GW 60 249 | 10/20 | 560 | 1022 |
| GW 60 250 | 10/20 | 560 | 1022 |
| GW 60 251 | 10/20 | 560 | 1022 |
| GW 60 252 | 10/20 | 560 | 1022 |
| GW 60 253 | 10/20 | 560 | 1022 |
| GW 60 254 | 10/20 | 560 | 1022 |
| GW 60 255 | 10/20 | 560 | 1022 |
| GW 60 256 | 10/20 | 560 | 1022 |
| GW 60 257 | 10/20 | 560 | 1022 |
| GW 60 258 | 10/20 | 560 | 1022 |
| GW 60 259 | 10/20 | 560 | 1022 |
| GW 60 260 | 10/20 | 560 | 1022 |
| GW 60 261 | 10/20 | 560 | 1022 |
| GW 60 262 | 10/20 | 560 | 1022 |
| GW 60 263 | 10/120 | 1440 | 991 |
| GW 60 264 | 10/120 | 1440 | 991 |
| GW 60 265 | 10/80 | 880 | 991 |
| GW 60 266 | 8/64 | 704 | 991 |
| GW 60 267 | 8/64 | 576 | 991 |
| GW 60 268 | 8/16 | 288 | 989 |
| GW 60 269 | 5/40 | 960 | 991 |
| GW 60 270 | 5/20 | 480 | 991 |
| GW 60 401 | 10/40 | 480 | 990 |

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| | Pack/carton | Pallet | |
| GW 60 402 | 10/20 | 480 | 990 |
| GW 60 403 | 10/20 | 400 | 990 |
| GW 60 404 | 10/40 | 1440 | 990 |
| GW 60 405 | 10/20 | 640 | 990 |
| GW 60 406 | 10/20 | 400 | 990 |
| GW 60 407 | 10/20 | 640 | 990 |
| GW 60 408 | 10/40 | 640 | 990 |
| GW 60 409 | 10/40 | 480 | 990 |
| GW 60 410 | 10/20 | 640 | 990 |
| GW 60 411 | 10/20 | 400 | 990 |
| GW 60 412 | 8/16 | 512 | 990 |
| GW 60 413 | 8/16 | 384 | 990 |
| GW 60 414 | 8/16 | 320 | 990 |
| GW 60 415 | 8/16 | 1024 | 990 |
| GW 60 416 | 8/16 | 384 | 990 |
| GW 60 417 | 8/16 | 320 | 990 |
| GW 60 418 | 8/16 | 512 | 990 |
| GW 60 419 | 8/16 | 384 | 990 |
| GW 60 420 | 8/16 | 672 | 990 |
| GW 60 421 | 8/16 | 512 | 990 |
| GW 60 422 | 8/16 | 320 | 990 |
| GW 60 423 | 10/20 | 400 | 990 |
| GW 60 424 | 10/20 | 400 | 990 |
| GW 60 425 | 10/20 | 240 | 990 |
| GW 60 426 | 10/40 | 1200 | 990 |
| GW 60 427 | 10/20 | 400 | 990 |
| GW 60 428 | 10/20 | 240 | 990 |
| GW 60 429 | 10/20 | 400 | 990 |
| GW 60 430 | 10/40 | 480 | 990 |
| GW 60 431 | 10/20 | 140 | 990 |
| GW 60 432 | 10/20 | 400 | 990 |
| GW 60 433 | 10/20 | 240 | 990 |
| GW 60 434 | 8/16 | 192 | 990 |
| GW 60 435 | 8/16 | 192 | 990 |
| GW 60 436 | 8/16 | 192 | 990 |
| GW 60 437 | 8/16 | 544 | 990 |
| GW 60 438 | 8/16 | 192 | 990 |
| GW 60 439 | 8/16 | 192 | 990 |
| GW 60 440 | 8/16 | 192 | 990 |
| GW 60 441 | 8/16 | 224 | 990 |
| GW 60 442 | 8/16 | 512 | 990 |
| GW 60 443 | 8/16 | 192 | 990 |
| GW 60 444 | 8/16 | 192 | 990 |
| GW 60 456 | 1/2 | 36 | 991 |
| GW 60 457 | 1/2 | 24 | 991 |
| GW 60 458 | 1/2 | 36 | 991 |
| GW 60 459 | 1/2 | 24 | 991 |
| GW 60 460 | 1/2 | 48 | 991 |
| GW 60 461 | 1/2 | 48 | 991 |
| GW 60 462 | 1/2 | 24 | 991 |
| GW 60 463 | 1/2 | 48 | 991 |
| GW 60 464 | 10/40 | 800 | 1023 |
| GW 60 465 | 10/20 | 800 | 1023 |
| GW 60 466 | 10/20 | 800 | 1023 |
| GW 60 467 | 10/20 | 560 | 1023 |
| GW 60 468 | 10/20 | 800 | 1023 |
| GW 60 469 | 10/20 | 800 | 1023 |
| GW 60 470 | 10/20 | 800 | 1023 |
| GW 60 471 | 10/20 | 800 | 1023 |
| GW 60 472 | 10/20 | 800 | 1023 |
| GW 60 473 | 10/20 | 800 | 1023 |
| GW 60 474 | 10/20 | 800 | 1023 |
| GW 60 475 | 10/20 | 800 | 1023 |
| GW 60 476 | 10/20 | 800 | 1023 |

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| | Pack/carton | Pallet | |
| GW 60 477 | 10/20 | 800 | 1023 |
| GW 60 478 | 10/20 | 800 | 1023 |
| GW 60 479 | 10/20 | 800 | 1023 |
| GW 60 480 | 10/20 | 800 | 1023 |
| GW 60 481 | 10/20 | 800 | 1023 |
| GW 60 482 | 8/16 | 192 | 990 |
| GW 60 664 H | 1/2 | 48 | 987 |
| GW 60 665 H | 1/2 | 48 | 987 |
| GW 60 666 H | 1/2 | 48 | 987 |
| GW 60 667 H | 1/2 | 48 | 987 |
| GW 60 668 H | 1/2 | 48 | 987 |
| GW 60 669 H | 1/2 | 48 | 987 |
| GW 60 670 H | 1/2 | 48 | 987 |
| GW 60 671 H | 1/2 | 48 | 987 |
| GW 60 672 H | 1/2 | 48 | 987 |
| GW 60 673 H | 1/2 | 48 | 987 |
| GW 60 674 H | 1/2 | 48 | 987 |
| GW 60 675 H | 1/2 | 48 | 987 |
| GW 60 676 H | 1/2 | 48 | 987 |
| GW 60 677 H | 1/2 | 48 | 987 |
| GW 60 701 H | 15 | 240 | 982 |
| GW 60 702 H | 15 | 240 | 982 |
| GW 60 703 H | 15 | 240 | 982 |
| GW 60 704 H | 15 | 240 | 982 |
| GW 60 705 H | 15 | 240 | 982 |
| GW 60 706 H | 15 | 240 | 982 |
| GW 60 707 H | 15 | 240 | 982 |
| GW 60 708 H | 15 | 240 | 982 |
| GW 60 709 H | 15 | 240 | 982 |
| GW 60 710 H | 15 | 240 | 982 |
| GW 60 711 H | 15 | 240 | 982 |
| GW 60 712 H | 15 | 240 | 982 |
| GW 60 713 H | 15 | 240 | 982 |
| GW 60 714 H | 15 | 240 | 982 |
| GW 60 715 H | 15 | 240 | 982 |
| GW 60 716 H | 15 | 240 | 982 |
| GW 60 717 H | 15 | 240 | 982 |
| GW 60 718 H | 15 | 240 | 982 |
| GW 60 719 H | 15 | 240 | 982 |
| GW 60 720 H | 15 | 240 | 982 |
| GW 60 721 H | 15 | 240 | 982 |
| GW 60 722 H | 15 | 240 | 982 |
| GW 60 723 H | 15 | 240 | 982 |
| GW 60 724 H | 15 | 240 | 982 |
| GW 60 725 H | 15 | 240 | 982 |
| GW 60 726 H | 15 | 240 | 982 |
| GW 60 727 H | 15 | 240 | 982 |
| GW 60 728 H | 15 | 240 | 982 |
| GW 60 729 H | 15 | 240 | 982 |
| GW 60 730 H | 15 | 240 | 982 |
| GW 60 731 H | 15 | 240 | 982 |
| GW 60 732 H | 15 | 240 | 982 |
| GW 60 733 H | 15 | 240 | 982 |
| GW 60 734 H | 15 | 240 | 982 |
| GW 60 735 H | 15 | 240 | 983 |
| GW 60 736 H | 15 | 360 | 983 |
| GW 60 737 H | 15 | 180 | 983 |
| GW 60 738 H | 15 | 240 | 983 |
| GW 60 739 H | 15 | 240 | 983 |
| GW 60 740 H | 15 | 180 | 983 |
| GW 60 741 H | 15 | 240 | 983 |
| GW 60 742 H | 15 | 240 | 983 |
| GW 60 743 H | 15 | 180 | 983 |
| GW 60 744 H | 15 | 240 | 983 |

| Code | Quantity | | Page |
|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 60 745 H | 15 | 180 | 983 |
| GW 60 746 H | 15 | 240 | 983 |
| GW 60 747 H | 15 | 180 | 983 |
| GW 60 748 H | 15 | 240 | 983 |
| GW 60 749 H | 15 | 240 | 983 |
| GW 60 750 H | 15 | 240 | 983 |
| GW 60 751 H | 15 | 240 | 983 |
| GW 60 752 H | 15 | 180 | 983 |
| GW 60 753 H | 15 | 180 | 983 |
| GW 60 754 H | 15 | 180 | 983 |
| GW 60 755 H | 15 | 180 | 983 |
| GW 60 756 H | 15 | 180 | 983 |
| GW 60 757 H | 15 | 180 | 983 |
| GW 60 758 H | 15 | 180 | 983 |
| GW 60 759 H | 15 | 180 | 983 |
| GW 60 760 H | 15 | 180 | 983 |
| GW 60 761 H | 15 | 180 | 983 |
| GW 60 762 H | 15 | 180 | 983 |
| GW 60 763 H | 15 | 180 | 983 |
| GW 60 764 H | 15 | 180 | 983 |
| GW 60 765 H | 15 | 180 | 983 |
| GW 60 766 H | 15 | 180 | 983 |
| GW 60 767 H | 15 | 180 | 983 |

| GW61 | | | |
|-------------|-----|-----|-----|
| GW 61 013 H | 1/4 | 144 | 986 |
| GW 61 014 H | 1/4 | 144 | 986 |
| GW 61 015 H | 1/4 | 144 | 986 |
| GW 61 016 H | 1/4 | 144 | 986 |
| GW 61 017 H | 1/4 | 144 | 986 |
| GW 61 018 H | 1/4 | 144 | 986 |
| GW 61 019 H | 1/4 | 144 | 986 |
| GW 61 020 H | 1/4 | 144 | 986 |
| GW 61 021 H | 1/4 | 144 | 986 |
| GW 61 045 H | 1/4 | 144 | 987 |
| GW 61 046 H | 1/4 | 144 | 987 |
| GW 61 047 H | 1/4 | 144 | 987 |
| GW 61 048 H | 1/4 | 144 | 987 |
| GW 61 049 H | 1/4 | 144 | 987 |
| GW 61 050 H | 1/4 | 48 | 987 |
| GW 61 051 H | 1/4 | 144 | 987 |
| GW 61 052 H | 1/4 | 384 | 987 |
| GW 61 053 H | 1/4 | 288 | 987 |
| GW 61 054 H | 1/4 | 144 | 987 |
| GW 61 055 H | 1/4 | 144 | 987 |
| GW 61 056 H | 1/4 | 48 | 987 |
| GW 61 057 H | 1/4 | 144 | 987 |
| GW 61 058 H | 1/4 | 144 | 987 |
| GW 61 059 H | 1/4 | 144 | 987 |
| GW 61 060 H | 1/4 | 144 | 987 |
| GW 61 061 H | 1/4 | 144 | 987 |
| GW 61 062 H | 1/4 | 144 | 987 |
| GW 61 063 H | 1/4 | 144 | 987 |
| GW 61 064 H | 1/4 | 144 | 987 |
| GW 61 065 H | 1/4 | 144 | 987 |
| GW 61 066 H | 1/4 | 144 | 987 |
| GW 61 067 H | 1/4 | 144 | 987 |
| GW 61 068 H | 1/4 | 144 | 987 |
| GW 61 445 | 1/4 | 48 | 991 |
| GW 61 446 | 1/4 | 48 | 991 |
| GW 61 447 | 1/4 | 48 | 991 |
| GW 61 448 | 1/4 | 96 | 991 |
| GW 61 449 | 1/4 | 48 | 991 |
| GW 61 450 | 1/4 | 48 | 991 |

| Code | Quantity | | Page |
|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 61 451 | 1/4 | 48 | 991 |
| GW 61 452 | 1/4 | 96 | 991 |
| GW 61 453 | 1/4 | 288 | 991 |
| GW 61 454 | 1/4 | 48 | 991 |
| GW 61 455 | 1/4 | 48 | 991 |
| GW62 | | | |
| GW 62 001 FH | 15 | 360 | 992 |
| GW 62 001 H | 50 | 1600 | 994 |
| GW 62 002 FH | 15 | 240 | 992 |
| GW 62 002 H | 100 | 400 | 994 |
| GW 62 003 FH | 15 | 240 | 992 |
| GW 62 003 H | 25 | 300 | 994 |
| GW 62 004 FH | 50 | 800 | 992 |
| GW 62 004 H | 100 | 2500 | 994 |
| GW 62 005 FH | 15 | 240 | 992 |
| GW 62 005 H | 15 | 360 | 994 |
| GW 62 006 FH | 15 | 240 | 992 |
| GW 62 006 H | 15 | 240 | 994 |
| GW 62 007 FH | 15 | 240 | 992 |
| GW 62 007 H | 15 | 240 | 994 |
| GW 62 008 FH | 15 | 360 | 992 |
| GW 62 008 H | 50 | 1600 | 994 |
| GW 62 009 FH | 15 | 360 | 992 |
| GW 62 009 H | 25 | 1050 | 994 |
| GW 62 010 H | 15 | 240 | 994 |
| GW 62 011 H | 15 | 240 | 994 |
| GW 62 012 FH | 15 | 240 | 992 |
| GW 62 012 H | 15 | 360 | 994 |
| GW 62 013 FH | 15 | 240 | 992 |
| GW 62 013 H | 15 | 240 | 994 |
| GW 62 014 FH | 15 | 180 | 992 |
| GW 62 014 H | 15 | 180 | 994 |
| GW 62 015 FH | 15 | 360 | 992 |
| GW 62 015 H | 25 | 800 | 994 |
| GW 62 016 FH | 15 | 240 | 992 |
| GW 62 016 H | 15 | 360 | 994 |
| GW 62 017 FH | 15 | 180 | 992 |
| GW 62 017 H | 15 | 180 | 994 |
| GW 62 018 FH | 15 | 360 | 992 |
| GW 62 018 H | 15 | 240 | 994 |
| GW 62 019 FH | 15 | 360 | 992 |
| GW 62 019 H | 25 | 800 | 994 |
| GW 62 020 FH | 15 | 270 | 992 |
| GW 62 020 H | 25 | 800 | 994 |
| GW 62 021 H | 15 | 240 | 994 |
| GW 62 022 H | 15 | 180 | 994 |
| GW 62 023 FH | 15 | 240 | 993 |
| GW 62 023 H | 50 | 400 | 995 |
| GW 62 024 FH | 25 | 300 | 993 |
| GW 62 024 H | 15 | 180 | 995 |
| GW 62 025 FH | 15 | 180 | 993 |
| GW 62 025 H | 15 | 180 | 995 |
| GW 62 026 FH | 50 | 400 | 993 |
| GW 62 026 H | 50 | 1200 | 995 |
| GW 62 027 FH | 15 | 180 | 993 |
| GW 62 027 H | 15 | 180 | 995 |
| GW 62 028 FH | 15 | 180 | 993 |
| GW 62 028 H | 15 | 180 | 995 |
| GW 62 029 FH | 15 | 240 | 993 |
| GW 62 029 H | 15 | 240 | 995 |
| GW 62 030 FH | 15 | 270 | 993 |
| GW 62 030 H | 25 | 450 | 995 |
| GW 62 031 FH | 25 | 200 | 993 |
| GW 62 031 H | 25 | 200 | 995 |

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|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 62 032 H | 15 | 270 | 995 |
| GW 62 033 H | 25 | 100 | 995 |
| GW 62 034 FH | 15 | 180 | 993 |
| GW 62 034 H | 15 | 270 | 995 |
| GW 62 035 FH | 15 | 180 | 993 |
| GW 62 035 H | 15 | 180 | 995 |
| GW 62 036 FH | 15 | 180 | 993 |
| GW 62 036 H | 15 | 180 | 995 |
| GW 62 037 FH | 15 | 270 | 993 |
| GW 62 037 H | 15 | 270 | 995 |
| GW 62 038 FH | 15 | 180 | 993 |
| GW 62 038 H | 15 | 270 | 995 |
| GW 62 039 FH | 15 | 180 | 993 |
| GW 62 039 H | 15 | 180 | 995 |
| GW 62 040 FH | 15 | 180 | 993 |
| GW 62 040 H | 15 | 180 | 995 |
| GW 62 041 FH | 15 | 270 | 993 |
| GW 62 041 H | 15 | 270 | 995 |
| GW 62 042 FH | 15 | 270 | 993 |
| GW 62 042 H | 15 | 630 | 995 |
| GW 62 043 H | 15 | 180 | 995 |
| GW 62 044 H | 15 | 180 | 995 |
| GW 62 056 H | 1/2 | 48 | 997 |
| GW 62 057 H | 1/2 | 32 | 997 |
| GW 62 058 H | 1/2 | 48 | 997 |
| GW 62 059 H | 1/2 | 32 | 997 |
| GW 62 060 H | 1/2 | 128 | 997 |
| GW 62 060 PH | 1/2 | 48 | 997 |
| GW 62 061 H | 1/2 | 128 | 997 |
| GW 62 061 PH | 1/2 | 48 | 997 |
| GW 62 062 H | 1/2 | 48 | 997 |
| GW 62 063 H | 1/2 | 48 | 997 |
| GW 62 064 | 10/40 | 480 | 1023 |
| GW 62 065 | 10/20 | 800 | 1023 |
| GW 62 066 | 10/20 | 800 | 1023 |
| GW 62 067 | 10/20 | 800 | 1023 |
| GW 62 068 | 10/20 | 800 | 1023 |
| GW 62 069 | 10/20 | 800 | 1023 |
| GW 62 070 | 10/20 | 800 | 1023 |
| GW 62 071 | 10/20 | 800 | 1023 |
| GW 62 072 | 10/20 | 800 | 1023 |
| GW 62 073 | 10/20 | 800 | 1023 |
| GW 62 074 | 10/20 | 800 | 1023 |
| GW 62 075 | 10/20 | 800 | 1023 |
| GW 62 076 | 10/20 | 800 | 1023 |
| GW 62 077 | 10/20 | 800 | 1023 |
| GW 62 078 | 10/20 | 800 | 1023 |
| GW 62 079 | 10/20 | 800 | 1023 |
| GW 62 080 | 10/20 | 800 | 1023 |
| GW 62 081 | 10/20 | 800 | 1023 |
| GW 62 128 H | 25 | 200 | 995 |
| GW 62 201 FH | 15 | 360 | 998 |
| GW 62 201 H | 50 | 800 | 1000 |
| GW 62 202 FH | 15 | 240 | 998 |
| GW 62 202 H | 15 | 240 | 1000 |
| GW 62 203 FH | 15 | 240 | 998 |
| GW 62 203 H | 15 | 240 | 1000 |
| GW 62 204 | 10/100 | 2000 | 1009 |
| GW 62 205 FH | 25 | 450 | 998 |
| GW 62 205 H | 100 | 2000 | 1000 |
| GW 62 206 FH | 15 | 360 | 998 |
| GW 62 206 H | 25 | 150 | 1000 |
| GW 62 207 FH | 15 | 240 | 998 |
| GW 62 207 H | 15 | 240 | 1000 |

| Code | Quantity | | Page |
|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 62 208 FH | 15 | 240 | 998 |
| GW 62 208 H | 15 | 240 | 1000 |
| GW 62 209 FH | 15 | 360 | 998 |
| GW 62 209 H | 50 | 800 | 1000 |
| GW 62 210 FH | 15 | 360 | 998 |
| GW 62 210 H | 50 | 1600 | 1000 |
| GW 62 211 H | 15 | 240 | 1000 |
| GW 62 212 H | 15 | 240 | 1000 |
| GW 62 213 FH | 15 | 120 | 998 |
| GW 62 213 H | 15 | 240 | 1000 |
| GW 62 214 FH | 15 | 120 | 998 |
| GW 62 214 H | 15 | 240 | 1000 |
| GW 62 215 FH | 15 | 120 | 998 |
| GW 62 215 H | 15 | 120 | 1000 |
| GW 62 216 FH | 15 | 240 | 998 |
| GW 62 216 H | 25 | 450 | 1000 |
| GW 62 217 FH | 15 | 120 | 998 |
| GW 62 217 H | 15 | 360 | 1000 |
| GW 62 218 FH | 15 | 120 | 998 |
| GW 62 218 H | 15 | 120 | 1000 |
| GW 62 219 FH | 15 | 120 | 998 |
| GW 62 219 H | 15 | 240 | 1000 |
| GW 62 220 FH | 15 | 240 | 998 |
| GW 62 220 H | 15 | 360 | 1000 |
| GW 62 221 FH | 15 | 240 | 998 |
| GW 62 221 H | 25 | 450 | 1000 |
| GW 62 222 H | 15 | 240 | 1000 |
| GW 62 223 H | 15 | 120 | 1000 |
| GW 62 224 FH | 15 | 240 | 999 |
| GW 62 224 H | 25 | 450 | 1001 |
| GW 62 225 FH | 15 | 240 | 999 |
| GW 62 225 H | 15 | 360 | 1001 |
| GW 62 226 FH | 15 | 240 | 999 |
| GW 62 226 H | 15 | 240 | 1001 |
| GW 62 227 FH | 25 | 450 | 999 |
| GW 62 227 H | 100 | 2000 | 1001 |
| GW 62 228 FH | 15 | 240 | 999 |
| GW 62 228 H | 15 | 240 | 1001 |
| GW 62 229 FH | 15 | 240 | 999 |
| GW 62 229 H | 15 | 240 | 1001 |
| GW 62 230 FH | 15 | 240 | 999 |
| GW 62 230 H | 15 | 240 | 1001 |
| GW 62 231 FH | 15 | 360 | 999 |
| GW 62 231 H | 25 | 450 | 1001 |
| GW 62 232 FH | 15 | 360 | 999 |
| GW 62 232 H | 25 | 450 | 1001 |
| GW 62 233 H | 15 | 240 | 1001 |
| GW 62 234 H | 15 | 240 | 1001 |
| GW 62 235 FH | 15 | 180 | 999 |
| GW 62 235 H | 25 | 200 | 1001 |
| GW 62 236 FH | 15 | 180 | 999 |
| GW 62 236 H | 15 | 270 | 1001 |
| GW 62 237 FH | 15 | 180 | 999 |
| GW 62 237 H | 15 | 180 | 1001 |
| GW 62 238 FH | 15 | 270 | 999 |
| GW 62 238 H | 15 | 270 | 1001 |
| GW 62 239 FH | 15 | 180 | 999 |
| GW 62 239 H | 15 | 270 | 1001 |
| GW 62 240 FH | 15 | 180 | 999 |
| GW 62 240 H | 15 | 180 | 1001 |
| GW 62 241 FH | 15 | 180 | 999 |
| GW 62 241 H | 15 | 180 | 1001 |
| GW 62 242 FH | 15 | 90 | 999 |
| GW 62 242 H | 15 | 270 | 1001 |

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|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 62 243 FH | 15 | 90 | 999 |
| GW 62 243 H | 15 | 270 | 1001 |
| GW 62 244 H | 15 | 180 | 1001 |
| GW 62 245 H | 15 | 180 | 1001 |
| GW 62 257 H | 1/2 | 24 | 1003 |
| GW 62 258 H | 1/2 | 72 | 1003 |
| GW 62 259 H | 1/2 | 72 | 1003 |
| GW 62 260 H | 1/2 | 72 | 1003 |
| GW 62 261 H | 1/2 | 72 | 1003 |
| GW 62 261 PH | 1/2 | 72 | 1003 |
| GW 62 262 H | 1/2 | 72 | 1003 |
| GW 62 262 PH | 1/2 | 48 | 1003 |
| GW 62 263 H | 1/2 | 72 | 1003 |
| GW 62 264 H | 1/2 | 72 | 1003 |
| GW 62 265 | 10/40 | 800 | 1024 |
| GW 62 266 | 10/20 | 560 | 1024 |
| GW 62 267 | 10/20 | 560 | 1024 |
| GW 62 268 | 10/20 | 560 | 1024 |
| GW 62 269 | 10/20 | 560 | 1024 |
| GW 62 270 | 10/20 | 560 | 1024 |
| GW 62 271 | 10/20 | 560 | 1024 |
| GW 62 272 | 10/20 | 560 | 1024 |
| GW 62 273 | 10/20 | 560 | 1024 |
| GW 62 274 | 10/20 | 560 | 1024 |
| GW 62 275 | 10/20 | 560 | 1024 |
| GW 62 276 | 10/20 | 560 | 1024 |
| GW 62 277 | 10/20 | 560 | 1024 |
| GW 62 278 | 10/20 | 560 | 1024 |
| GW 62 279 | 10/20 | 560 | 1024 |
| GW 62 280 | 10/20 | 560 | 1024 |
| GW 62 281 | 10/20 | 560 | 1024 |
| GW 62 282 | 10/20 | 560 | 1024 |
| GW 62 283 H | 25 | 400 | 1001 |
| GW 62 365 | 10/40 | 800 | 1024 |
| GW 62 366 | 10/20 | 400 | 1024 |
| GW 62 392 | 1/12 | 840 | 1009 |
| GW 62 392 | 1/12 | 840 | 1096 |
| GW 62 393 | 1/20 | 2200 | 1009 |
| GW 62 393 | 1/20 | 2200 | 1096 |
| GW 62 394 | 1/20 | 2200 | 1009 |
| GW 62 394 | 1/20 | 2200 | 1096 |
| GW 62 401 | 40 | 240 | 1004 |
| GW 62 402 | 20 | 120 | 1004 |
| GW 62 403 | 20 | 120 | 1004 |
| GW 62 404 | 40 | 720 | 1004 |
| GW 62 405 | 20 | 240 | 1004 |
| GW 62 406 | 20 | 120 | 1004 |
| GW 62 407 | 20 | 240 | 1004 |
| GW 62 408 | 40 | 720 | 1004 |
| GW 62 409 | 40 | 720 | 1004 |
| GW 62 410 | 20 | 120 | 1004 |
| GW 62 411 | 20 | 120 | 1004 |
| GW 62 412 | 16 | 192 | 1004 |
| GW 62 413 | 16 | 96 | 1004 |
| GW 62 414 | 16 | 192 | 1004 |
| GW 62 415 | 16 | 576 | 1004 |
| GW 62 416 | 16 | 96 | 1004 |
| GW 62 417 | 16 | 96 | 1004 |
| GW 62 418 | 16 | 192 | 1004 |
| GW 62 419 | 16 | 192 | 1004 |
| GW 62 420 | 16 | 192 | 1004 |
| GW 62 421 | 14 | 84 | 1004 |
| GW 62 422 | 14 | 84 | 1004 |
| GW 62 423 | 20 | 240 | 1005 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 62 424 | 20 | 120 | 1005 |
| GW 62 425 | 20 | 120 | 1005 |
| GW 62 426 | 40 | 720 | 1005 |
| GW 62 427 | 20 | 120 | 1005 |
| GW 62 428 | 20 | 120 | 1005 |
| GW 62 429 | 20 | 120 | 1005 |
| GW 62 430 | 40 | 720 | 1005 |
| GW 62 431 | 40 | 720 | 1005 |
| GW 62 432 | 20 | 80 | 1005 |
| GW 62 433 | 20 | 240 | 1005 |
| GW 62 434 | 16 | 96 | 1005 |
| GW 62 435 | 16 | 96 | 1005 |
| GW 62 436 | 16 | 96 | 1005 |
| GW 62 437 | 16 | 192 | 1005 |
| GW 62 438 | 16 | 96 | 1005 |
| GW 62 439 | 16 | 96 | 1005 |
| GW 62 440 | 16 | 192 | 1005 |
| GW 62 441 | 16 | 192 | 1005 |
| GW 62 442 | 16 | 576 | 1005 |
| GW 62 443 | 14 | 84 | 1005 |
| GW 62 444 | 14 | 84 | 1005 |
| GW 62 456 | 10/40 | 240 | 1025 |
| GW 62 457 | 10/20 | 240 | 1025 |
| GW 62 458 | 10/20 | 240 | 1025 |
| GW 62 459 | 10/20 | 240 | 1025 |
| GW 62 460 | 10/20 | 240 | 1025 |
| GW 62 461 | 10/20 | 240 | 1025 |
| GW 62 462 | 10/20 | 240 | 1025 |
| GW 62 463 | 10/20 | 240 | 1025 |
| GW 62 464 | 10/20 | 240 | 1025 |
| GW 62 465 | 10/20 | 240 | 1025 |
| GW 62 466 | 10/20 | 240 | 1025 |
| GW 62 467 | 10/20 | 240 | 1025 |
| GW 62 468 | 10/20 | 240 | 1025 |
| GW 62 469 | 10/20 | 240 | 1025 |
| GW 62 470 | 10/20 | 240 | 1025 |
| GW 62 471 | 10/20 | 240 | 1025 |
| GW 62 472 | 10/20 | 240 | 1025 |
| GW 62 473 | 10/20 | 240 | 1025 |
| GW 62 474 | 20 | 760 | 1006 |
| GW 62 475 | 20 | 400 | 1006 |
| GW 62 476 | 20 | 160 | 1006 |
| GW 62 477 | 20 | 760 | 1006 |
| GW 62 478 | 20 | 280 | 1006 |
| GW 62 479 | 20 | 160 | 1006 |
| GW 62 480 | 20 | 280 | 1006 |
| GW 62 481 | 20 | 760 | 1006 |
| GW 62 482 | 20 | 560 | 1006 |
| GW 62 483 | 20 | 160 | 1006 |
| GW 62 484 | 20 | 160 | 1006 |
| GW 62 485 | 16 | 96 | 1006 |
| GW 62 486 | 16 | 96 | 1006 |
| GW 62 487 | 16 | 288 | 1006 |
| GW 62 488 | 16 | 288 | 1006 |
| GW 62 489 | 16 | 288 | 1006 |
| GW 62 490 | 16 | 96 | 1006 |
| GW 62 491 | 16 | 288 | 1006 |
| GW 62 492 | 16 | 288 | 1006 |
| GW 62 493 | 16 | 288 | 1006 |
| GW 62 494 | 16 | 96 | 1006 |
| GW 62 495 | 16 | 96 | 1006 |
| GW 62 496 | 20 | 280 | 1007 |
| GW 62 497 | 20 | 160 | 1007 |
| GW 62 498 | 20 | 160 | 1007 |

| Code | Quantity | | Page |
|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 62 499 | 20 | 760 | 1007 |
| GW 62 501 | 20 | 240 | 1007 |
| GW 62 502 | 20 | 160 | 1007 |
| GW 62 503 | 20 | 240 | 1007 |
| GW 62 504 | 20 | 760 | 1007 |
| GW 62 505 | 20 | 760 | 1007 |
| GW 62 506 | 20 | 160 | 1007 |
| GW 62 507 | 20 | 160 | 1007 |
| GW 62 508 | 16 | 128 | 1007 |
| GW 62 509 | 16 | 128 | 1007 |
| GW 62 510 | 16 | 128 | 1007 |
| GW 62 511 | 16 | 96 | 1007 |
| GW 62 512 | 16 | 96 | 1007 |
| GW 62 513 | 16 | 96 | 1007 |
| GW 62 514 | 16 | 128 | 1007 |
| GW 62 515 | 16 | 128 | 1007 |
| GW 62 516 | 16 | 288 | 1007 |
| GW 62 517 | 16 | 96 | 1007 |
| GW 62 518 | 16 | 96 | 1007 |
| GW 62 530 | 1/2 | 32 | 1008 |
| GW 62 531 | 1/2 | 48 | 1008 |
| GW 62 532 | 1/2 | 48 | 1008 |
| GW 62 533 | 1/2 | 32 | 1008 |
| GW 62 534 | 1/2 | 128 | 1008 |
| GW 62 535 | 1/2 | 128 | 1008 |
| GW 62 536 | 1/2 | 48 | 1008 |
| GW 62 537 | 1/2 | 48 | 1008 |
| GW 62 538 | 10/20 | 280 | 1025 |
| GW 62 539 | 10/20 | 240 | 1025 |
| GW 62 540 | 10/20 | 240 | 1025 |
| GW 62 541 | 10/20 | 240 | 1025 |
| GW 62 542 | 10/20 | 240 | 1025 |
| GW 62 543 | 10/20 | 240 | 1025 |
| GW 62 544 | 10/20 | 240 | 1025 |
| GW 62 545 | 10/20 | 240 | 1025 |
| GW 62 546 | 10/20 | 240 | 1025 |
| GW 62 547 | 10/20 | 240 | 1025 |
| GW 62 548 | 10/20 | 240 | 1025 |
| GW 62 549 | 10/20 | 240 | 1025 |
| GW 62 550 | 10/20 | 240 | 1025 |
| GW 62 551 | 10/20 | 240 | 1025 |
| GW 62 552 | 10/20 | 240 | 1025 |
| GW 62 553 | 10/20 | 240 | 1025 |
| GW 62 554 | 10/20 | 240 | 1025 |
| GW 62 555 | 10/20 | 240 | 1025 |
| GW 62 556 | 16 | 192 | 1005 |
| GW 62 557 | 16 | 128 | 1007 |
| GW 62 664 H | 1/2 | 48 | 997 |
| GW 62 665 H | 1/2 | 48 | 997 |
| GW 62 666 H | 1/2 | 48 | 997 |
| GW 62 667 H | 1/2 | 48 | 997 |
| GW 62 668 H | 1/2 | 48 | 997 |
| GW 62 669 H | 1/2 | 48 | 997 |
| GW 62 670 H | 1/2 | 48 | 997 |
| GW 62 671 H | 1/2 | 48 | 997 |
| GW 62 672 H | 1/2 | 32 | 997 |
| GW 62 673 H | 1/2 | 48 | 997 |
| GW 62 674 H | 1/2 | 48 | 997 |
| GW 62 675 H | 1/2 | 32 | 997 |
| GW 62 676 H | 1/2 | 48 | 997 |
| GW 62 677 H | 1/2 | 32 | 997 |
| GW 62 701 H | 15 | 240 | 994 |
| GW 62 702 H | 15 | 240 | 994 |
| GW 62 703 H | 15 | 240 | 994 |

| Code | Quantity | | Page |
|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 62 704 H | 15 | 240 | 994 |
| GW 62 705 H | 15 | 240 | 994 |
| GW 62 706 H | 15 | 240 | 994 |
| GW 62 707 H | 15 | 240 | 994 |
| GW 62 708 H | 15 | 240 | 994 |
| GW 62 709 H | 15 | 240 | 994 |
| GW 62 710 H | 15 | 240 | 994 |
| GW 62 711 H | 15 | 240 | 994 |
| GW 62 712 H | 15 | 240 | 994 |
| GW 62 713 H | 15 | 240 | 994 |
| GW 62 714 H | 15 | 240 | 994 |
| GW 62 715 H | 15 | 240 | 994 |
| GW 62 716 H | 15 | 240 | 994 |
| GW 62 717 H | 15 | 240 | 994 |
| GW 62 718 H | 15 | 240 | 994 |
| GW 62 719 H | 15 | 240 | 994 |
| GW 62 720 H | 15 | 180 | 994 |
| GW 62 721 H | 15 | 240 | 994 |
| GW 62 722 H | 15 | 240 | 994 |
| GW 62 723 H | 15 | 180 | 994 |
| GW 62 724 H | 15 | 240 | 994 |
| GW 62 725 H | 15 | 240 | 994 |
| GW 62 726 H | 15 | 180 | 994 |
| GW 62 727 H | 15 | 240 | 994 |
| GW 62 728 H | 15 | 180 | 994 |
| GW 62 729 H | 15 | 240 | 994 |
| GW 62 730 H | 15 | 180 | 994 |
| GW 62 731 H | 15 | 240 | 994 |
| GW 62 732 H | 15 | 240 | 994 |
| GW 62 733 H | 15 | 240 | 994 |
| GW 62 734 H | 15 | 240 | 994 |
| GW 62 735 H | 15 | 240 | 995 |
| GW 62 736 H | 15 | 180 | 995 |
| GW 62 737 H | 15 | 180 | 995 |
| GW 62 738 H | 15 | 240 | 995 |
| GW 62 739 H | 15 | 180 | 995 |
| GW 62 740 H | 15 | 180 | 995 |
| GW 62 741 H | 15 | 240 | 995 |
| GW 62 742 H | 15 | 180 | 995 |
| GW 62 743 H | 15 | 180 | 995 |
| GW 62 744 H | 15 | 180 | 995 |
| GW 62 745 H | 15 | 270 | 995 |
| GW 62 746 H | 15 | 180 | 995 |
| GW 62 747 H | 15 | 180 | 995 |
| GW 62 748 H | 15 | 240 | 995 |
| GW 62 749 H | 15 | 180 | 995 |
| GW 62 750 H | 15 | 240 | 995 |
| GW 62 751 H | 15 | 240 | 995 |
| GW 62 752 H | 15 | 180 | 995 |
| GW 62 753 H | 15 | 180 | 995 |
| GW 62 754 H | 15 | 180 | 995 |
| GW 62 755 H | 15 | 180 | 995 |
| GW 62 756 H | 15 | 180 | 995 |
| GW 62 757 H | 15 | 180 | 995 |
| GW 62 758 H | 15 | 180 | 995 |
| GW 62 759 H | 15 | 180 | 995 |
| GW 62 760 H | 15 | 180 | 995 |
| GW 62 761 H | 15 | 180 | 995 |
| GW 62 762 H | 15 | 180 | 995 |
| GW 62 763 H | 15 | 180 | 995 |
| GW 62 764 H | 15 | 180 | 995 |
| GW 62 765 H | 15 | 180 | 995 |
| GW 62 766 H | 15 | 180 | 995 |
| GW 62 767 H | 15 | 180 | 995 |

| Code | Quantity | | Page |
|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 62 801 H | 15 | 240 | 1000 |
| GW 62 802 H | 15 | 240 | 1000 |
| GW 62 803 H | 15 | 240 | 1000 |
| GW 62 804 H | 15 | 240 | 1000 |
| GW 62 805 H | 15 | 240 | 1000 |
| GW 62 806 H | 15 | 240 | 1000 |
| GW 62 807 H | 15 | 240 | 1000 |
| GW 62 808 H | 15 | 240 | 1000 |
| GW 62 809 H | 15 | 240 | 1000 |
| GW 62 810 H | 15 | 240 | 1000 |
| GW 62 811 H | 15 | 240 | 1000 |
| GW 62 812 H | 15 | 240 | 1000 |
| GW 62 813 H | 15 | 240 | 1000 |
| GW 62 814 H | 15 | 240 | 1000 |
| GW 62 815 H | 15 | 240 | 1000 |
| GW 62 816 H | 15 | 240 | 1000 |
| GW 62 817 H | 15 | 240 | 1000 |
| GW 62 818 H | 15 | 240 | 1000 |
| GW 62 819 H | 15 | 240 | 1000 |
| GW 62 820 H | 15 | 120 | 1000 |
| GW 62 821 H | 15 | 240 | 1000 |
| GW 62 822 H | 15 | 240 | 1000 |
| GW 62 823 H | 15 | 120 | 1000 |
| GW 62 824 H | 15 | 240 | 1000 |
| GW 62 825 H | 15 | 240 | 1000 |
| GW 62 826 H | 15 | 120 | 1000 |
| GW 62 827 H | 15 | 240 | 1000 |
| GW 62 828 H | 15 | 120 | 1000 |
| GW 62 829 H | 15 | 240 | 1000 |
| GW 62 830 H | 15 | 120 | 1000 |
| GW 62 831 H | 15 | 240 | 1000 |
| GW 62 832 H | 15 | 240 | 1000 |
| GW 62 833 H | 15 | 240 | 1000 |
| GW 62 834 H | 15 | 240 | 1000 |
| GW 62 835 H | 15 | 240 | 1001 |
| GW 62 836 H | 15 | 240 | 1001 |
| GW 62 837 H | 15 | 240 | 1001 |
| GW 62 838 H | 15 | 240 | 1001 |
| GW 62 839 H | 15 | 240 | 1001 |
| GW 62 840 H | 15 | 240 | 1001 |
| GW 62 841 H | 15 | 240 | 1001 |
| GW 62 842 H | 15 | 240 | 1001 |
| GW 62 843 H | 15 | 240 | 1001 |
| GW 62 844 H | 15 | 240 | 1001 |
| GW 62 845 H | 15 | 240 | 1001 |
| GW 62 846 H | 15 | 240 | 1001 |
| GW 62 847 H | 15 | 240 | 1001 |
| GW 62 848 H | 15 | 240 | 1001 |
| GW 62 849 H | 15 | 240 | 1001 |
| GW 62 850 H | 15 | 240 | 1001 |
| GW 62 851 H | 15 | 240 | 1001 |
| GW 62 852 H | 15 | 180 | 1001 |
| GW 62 853 H | 15 | 180 | 1001 |
| GW 62 854 H | 15 | 180 | 1001 |
| GW 62 855 H | 15 | 180 | 1001 |
| GW 62 856 H | 15 | 180 | 1001 |
| GW 62 857 H | 15 | 180 | 1001 |
| GW 62 858 H | 15 | 180 | 1001 |
| GW 62 859 H | 15 | 180 | 1001 |
| GW 62 860 H | 15 | 180 | 1001 |
| GW 62 861 H | 15 | 180 | 1001 |
| GW 62 862 H | 15 | 180 | 1001 |
| GW 62 863 H | 15 | 270 | 1001 |
| GW 62 864 H | 15 | 180 | 1001 |

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|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 62 865 H | 15 | 180 | 1001 |
| GW 62 866 H | 15 | 240 | 1001 |
| GW 62 867 H | 15 | 240 | 1001 |
| GW 62 965 H | 1/2 | 72 | 1003 |
| GW 62 966 H | 1/2 | 72 | 1003 |
| GW 62 967 H | 1/2 | 72 | 1003 |
| GW 62 968 H | 1/2 | 72 | 1003 |
| GW 62 969 H | 1/2 | 72 | 1003 |
| GW 62 970 H | 1/2 | 72 | 1003 |
| GW 62 971 H | 1/2 | 72 | 1003 |
| GW 62 972 H | 1/2 | 72 | 1003 |
| GW 62 973 H | 1/2 | 72 | 1003 |
| GW 62 974 H | 1/2 | 72 | 1003 |
| GW 62 975 H | 1/2 | 72 | 1003 |
| GW 62 976 H | 1/2 | 72 | 1003 |
| GW 62 977 H | 1/2 | 72 | 1003 |
| GW 62 978 H | 1/2 | 72 | 1003 |

| GW63 | | | |
|--------------|-----|-----|------|
| GW 63 013 H | 1/4 | 112 | 996 |
| GW 63 014 H | 1/4 | 112 | 996 |
| GW 63 015 H | 1/4 | 112 | 996 |
| GW 63 016 H | 1/4 | 168 | 996 |
| GW 63 017 H | 1/4 | 112 | 996 |
| GW 63 018 H | 1/4 | 112 | 996 |
| GW 63 019 H | 1/4 | 112 | 996 |
| GW 63 020 H | 1/4 | 112 | 996 |
| GW 63 021 H | 1/4 | 168 | 996 |
| GW 63 045 H | 1/4 | 168 | 997 |
| GW 63 046 H | 1/4 | 112 | 997 |
| GW 63 047 H | 1/4 | 112 | 997 |
| GW 63 048 H | 1/4 | 112 | 997 |
| GW 63 048 PH | 1/4 | 180 | 997 |
| GW 63 049 H | 1/4 | 112 | 997 |
| GW 63 050 H | 1/4 | 112 | 997 |
| GW 63 051 H | 1/4 | 112 | 997 |
| GW 63 052 H | 1/4 | 280 | 997 |
| GW 63 052 PH | 1/4 | 180 | 997 |
| GW 63 053 H | 1/4 | 280 | 997 |
| GW 63 053 PH | 1/4 | 112 | 997 |
| GW 63 054 H | 1/4 | 112 | 997 |
| GW 63 055 H | 1/4 | 112 | 997 |
| GW 63 056 H | 1/4 | 112 | 997 |
| GW 63 057 H | 1/4 | 112 | 997 |
| GW 63 058 H | 1/4 | 112 | 997 |
| GW 63 059 H | 1/4 | 112 | 997 |
| GW 63 060 H | 1/4 | 112 | 997 |
| GW 63 061 H | 1/4 | 112 | 997 |
| GW 63 062 H | 1/4 | 112 | 997 |
| GW 63 063 H | 1/4 | 112 | 997 |
| GW 63 064 H | 1/4 | 112 | 997 |
| GW 63 065 H | 1/4 | 112 | 997 |
| GW 63 066 H | 1/4 | 112 | 997 |
| GW 63 067 H | 1/4 | 112 | 997 |
| GW 63 068 H | 1/4 | 112 | 997 |
| GW 63 213 H | 1/4 | 128 | 1002 |
| GW 63 214 H | 1/4 | 128 | 1002 |
| GW 63 215 H | 1/4 | 128 | 1002 |
| GW 63 216 H | 1/4 | 128 | 1002 |
| GW 63 217 H | 1/4 | 128 | 1002 |
| GW 63 218 H | 1/4 | 276 | 1002 |
| GW 63 219 H | 1/4 | 128 | 1002 |
| GW 63 220 H | 1/4 | 128 | 1002 |
| GW 63 221 H | 1/4 | 128 | 1002 |

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|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 63 246 H | 1/4 | 128 | 1003 |
| GW 63 247 H | 1/4 | 128 | 1003 |
| GW 63 248 H | 1/4 | 96 | 1003 |
| GW 63 249 H | 1/4 | 288 | 1003 |
| GW 63 249 PH | 1/4 | 128 | 1003 |
| GW 63 250 H | 1/4 | 64 | 1003 |
| GW 63 251 H | 1/4 | 128 | 1003 |
| GW 63 252 H | 1/4 | 128 | 1003 |
| GW 63 253 H | 1/4 | 288 | 1003 |
| GW 63 253 PH | 1/4 | 128 | 1003 |
| GW 63 254 H | 1/4 | 288 | 1003 |
| GW 63 254 PH | 1/4 | 168 | 1003 |
| GW 63 255 H | 1/4 | 288 | 1003 |
| GW 63 256 H | 1/4 | 128 | 1003 |
| GW 63 257 H | 1/4 | 128 | 1003 |
| GW 63 258 H | 1/4 | 128 | 1003 |
| GW 63 259 H | 1/4 | 128 | 1003 |
| GW 63 260 H | 1/4 | 128 | 1003 |
| GW 63 261 H | 1/4 | 128 | 1003 |
| GW 63 262 H | 1/4 | 128 | 1003 |
| GW 63 263 H | 1/4 | 128 | 1003 |
| GW 63 264 H | 1/4 | 128 | 1003 |
| GW 63 265 H | 1/4 | 128 | 1003 |
| GW 63 266 H | 1/4 | 128 | 1003 |
| GW 63 267 H | 1/4 | 128 | 1003 |
| GW 63 268 H | 1/4 | 128 | 1003 |
| GW 63 269 H | 1/4 | 128 | 1003 |
| GW 63 445 | 2/4 | 64 | 1005 |
| GW 63 446 | 2/4 | 64 | 1005 |
| GW 63 447 | 2/4 | 64 | 1005 |
| GW 63 448 | 2/4 | 96 | 1005 |
| GW 63 449 | 2/4 | 64 | 1005 |
| GW 63 450 | 2/4 | 96 | 1005 |
| GW 63 451 | 2/4 | 64 | 1005 |
| GW 63 452 | 2/4 | 96 | 1005 |
| GW 63 453 | 2/4 | 256 | 1005 |
| GW 63 454 | 2/4 | 64 | 1005 |
| GW 63 455 | 2/4 | 64 | 1005 |
| GW 63 519 | 2/4 | 48 | 1008 |
| GW 63 520 | 2/4 | 96 | 1008 |
| GW 63 521 | 2/4 | 48 | 1008 |
| GW 63 522 | 2/4 | 96 | 1008 |
| GW 63 523 | 2/4 | 96 | 1008 |
| GW 63 524 | 2/4 | 96 | 1008 |
| GW 63 525 | 2/4 | 48 | 1008 |
| GW 63 526 | 2/4 | 216 | 1008 |
| GW 63 527 | 2/4 | 216 | 1008 |
| GW 63 528 | 2/4 | 96 | 1008 |
| GW 63 529 | 2/4 | 48 | 1008 |
| GW64 | | | |
| GW 64 008 | 5/20 | 240 | 1030 |
| GW 64 010 | 5/20 | 600 | 1030 |
| GW 64 011 | 5/10 | 120 | 1030 |
| GW 64 012 | 5/10 | 80 | 1030 |
| GW 64 013 | 5/10 | 280 | 1030 |
| GW 64 014 | 5/10 | 180 | 1030 |
| GW 64 022 | 5/10 | 180 | 1030 |
| GW 64 023 | 5/10 | 100 | 1030 |
| GW 64 024 | 5/10 | 180 | 1030 |
| GW 64 025 | 5/10 | 90 | 1030 |
| GW 64 026 | 5/10 | 80 | 1030 |
| GW 64 027 | 5/10 | 180 | 1030 |
| GW 64 028 | 5/10 | 240 | 1030 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 64 050 | 1/6 | 60 | 1030 |
| GW 64 052 | 1/6 | 144 | 1030 |
| GW 64 055 | 1/3 | 27 | 1030 |
| GW 64 056 | 1/3 | 84 | 1030 |
| GW 64 059 | 5/10 | 100 | 1031 |
| GW 64 060 | 5/10 | 100 | 1031 |
| GW 64 061 | 1/5 | 50 | 1031 |
| GW 64 062 | 5/10 | 240 | 1032 |
| GW 64 063 | 5/10 | 80 | 1032 |
| GW 64 064 | 1/5 | 60 | 1032 |
| GW 64 065 | 1/2 | 32 | 1032 |
| GW 64 066 | 10/20 | 480 | 1033 |
| GW 64 067 | 10/20 | 240 | 1033 |
| GW 64 068 | 1/4 | 200 | 1030 |
| GW 64 203 | 10/40 | 960 | 1034 |
| GW 64 204 | 10/40 | 960 | 1034 |
| GW 64 206 | 10/40 | 2880 | 1034 |
| GW 64 207 | 10/40 | 480 | 1034 |
| GW 64 208 | 10/40 | 1920 | 1034 |
| GW 64 209 | 10/40 | 720 | 1034 |
| GW 64 210 | 10/40 | 960 | 1034 |
| GW 64 211 | 10/40 | 2880 | 1034 |
| GW 64 212 | 10/40 | 2880 | 1034 |
| GW 64 216 | 10/40 | 480 | 1034 |
| GW 64 217 | 10/40 | 480 | 1034 |
| GW 64 221 | 5/20 | 320 | 1035 |
| GW 64 222 | 5/20 | 240 | 1035 |
| GW 64 223 | 5/20 | 240 | 1035 |
| GW 64 231 | 5/20 | 240 | 1035 |
| GW 64 232 | 5/20 | 240 | 1035 |
| GW 64 236 | 5/10 | 60 | 1035 |
| GW 64 237 | 5/10 | 60 | 1035 |
| GW 64 256 | 1/3 | 33 | 1036 |
| GW 64 263 | 1/6 | 60 | 1036 |
| GW 64 265 | 5/20 | 240 | 1036 |
| GW66 | | | |
| GW 66 001 | 1/12 | 192 | 1064 |
| GW 66 002 | 1/12 | 144 | 1064 |
| GW 66 003 | 1/12 | 144 | 1064 |
| GW 66 004 | 1/12 | 600 | 1064 |
| GW 66 005 | 1/12 | 144 | 1064 |
| GW 66 006 | 1/12 | 144 | 1064 |
| GW 66 007 | 1/12 | 144 | 1064 |
| GW 66 008 | 1/12 | 384 | 1064 |
| GW 66 009 | 1/12 | 384 | 1064 |
| GW 66 010 | 1/12 | 144 | 1064 |
| GW 66 011 | 1/12 | 144 | 1064 |
| GW 66 012 | 1/12 | 192 | 1064 |
| GW 66 013 | 1/12 | 144 | 1064 |
| GW 66 014 | 1/12 | 144 | 1064 |
| GW 66 015 | 1/12 | 384 | 1064 |
| GW 66 016 | 1/12 | 144 | 1064 |
| GW 66 017 | 1/12 | 144 | 1064 |
| GW 66 018 | 1/12 | 144 | 1064 |
| GW 66 019 | 1/12 | 384 | 1064 |
| GW 66 020 | 1/12 | 384 | 1064 |
| GW 66 021 | 1/12 | 144 | 1064 |
| GW 66 022 | 1/12 | 144 | 1064 |
| GW 66 023 | 1/12 | 96 | 1065 |
| GW 66 024 | 1/12 | 96 | 1065 |
| GW 66 025 | 1/12 | 96 | 1065 |
| GW 66 026 | 1/12 | 240 | 1065 |
| GW 66 027 | 1/12 | 96 | 1065 |

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|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 66 028 | 1/12 | 96 | 1065 |
| GW 66 029 | 1/12 | 96 | 1065 |
| GW 66 030 | 1/12 | 240 | 1065 |
| GW 66 031 | 1/12 | 240 | 1065 |
| GW 66 032 | 1/12 | 96 | 1065 |
| GW 66 033 | 1/12 | 96 | 1065 |
| GW 66 034 | 1/12 | 96 | 1065 |
| GW 66 035 | 1/12 | 96 | 1065 |
| GW 66 036 | 1/12 | 96 | 1065 |
| GW 66 037 | 1/12 | 96 | 1065 |
| GW 66 038 | 1/12 | 96 | 1065 |
| GW 66 039 | 1/12 | 96 | 1065 |
| GW 66 040 | 1/12 | 96 | 1065 |
| GW 66 041 | 1/12 | 96 | 1065 |
| GW 66 042 | 1/12 | 240 | 1065 |
| GW 66 043 | 1/12 | 96 | 1065 |
| GW 66 044 | 1/12 | 96 | 1065 |
| GW 66 051 N | 1/12 | 96 | 1047 |
| GW 66 052 N | 1/12 | 96 | 1047 |
| GW 66 053 N | 1/12 | 96 | 1047 |
| GW 66 054 N | 1/12 | 96 | 1047 |
| GW 66 055 N | 1/12 | 96 | 1047 |
| GW 66 056 N | 1/12 | 96 | 1047 |
| GW 66 057 N | 1/12 | 96 | 1047 |
| GW 66 058 N | 1/12 | 96 | 1047 |
| GW 66 059 N | 1/12 | 96 | 1047 |
| GW 66 062 N | 1/12 | 96 | 1047 |
| GW 66 063 N | 1/12 | 96 | 1047 |
| GW 66 064 N | 1/12 | 96 | 1047 |
| GW 66 065 N | 1/12 | 96 | 1047 |
| GW 66 066 N | 1/12 | 96 | 1047 |
| GW 66 067 N | 1/12 | 96 | 1047 |
| GW 66 068 N | 1/12 | 96 | 1047 |
| GW 66 069 N | 1/12 | 96 | 1047 |
| GW 66 070 N | 1/12 | 96 | 1047 |
| GW 66 101 | 1/12 | 144 | 1064 |
| GW 66 102 | 1/12 | 144 | 1064 |
| GW 66 103 | 1/12 | 144 | 1064 |
| GW 66 104 | 1/12 | 384 | 1064 |
| GW 66 105 | 1/12 | 144 | 1064 |
| GW 66 106 | 1/12 | 144 | 1064 |
| GW 66 107 | 1/12 | 144 | 1064 |
| GW 66 108 | 1/12 | 384 | 1064 |
| GW 66 109 | 1/12 | 384 | 1064 |
| GW 66 110 | 1/12 | 144 | 1064 |
| GW 66 111 | 1/12 | 144 | 1064 |
| GW 66 112 | 1/12 | 144 | 1064 |
| GW 66 113 | 1/12 | 144 | 1064 |
| GW 66 114 | 1/12 | 144 | 1064 |
| GW 66 115 | 1/12 | 192 | 1064 |
| GW 66 116 | 1/12 | 144 | 1064 |
| GW 66 117 | 1/12 | 144 | 1064 |
| GW 66 118 | 1/12 | 144 | 1064 |
| GW 66 119 | 1/12 | 384 | 1064 |
| GW 66 120 | 1/12 | 384 | 1064 |
| GW 66 121 | 1/12 | 144 | 1064 |
| GW 66 122 | 1/12 | 144 | 1064 |
| GW 66 123 | 1/12 | 96 | 1065 |
| GW 66 124 | 1/12 | 96 | 1065 |
| GW 66 125 | 1/12 | 96 | 1065 |
| GW 66 126 | 1/12 | 240 | 1065 |
| GW 66 127 | 1/12 | 96 | 1065 |
| GW 66 128 | 1/12 | 96 | 1065 |
| GW 66 129 | 1/12 | 96 | 1065 |

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|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 66 130 | 1/12 | 240 | 1065 |
| GW 66 131 | 1/12 | 240 | 1065 |
| GW 66 132 | 1/12 | 96 | 1065 |
| GW 66 133 | 1/12 | 96 | 1065 |
| GW 66 134 | 1/12 | 96 | 1065 |
| GW 66 135 | 1/12 | 96 | 1065 |
| GW 66 136 | 1/12 | 96 | 1065 |
| GW 66 137 | 1/12 | 240 | 1065 |
| GW 66 138 | 1/12 | 96 | 1065 |
| GW 66 139 | 1/12 | 96 | 1065 |
| GW 66 140 | 1/12 | 96 | 1065 |
| GW 66 141 | 1/12 | 240 | 1065 |
| GW 66 142 | 1/12 | 240 | 1065 |
| GW 66 143 | 1/12 | 96 | 1065 |
| GW 66 144 | 1/12 | 96 | 1065 |
| GW 66 151 N | 1/12 | 96 | 1046 |
| GW 66 152 N | 1/12 | 96 | 1046 |
| GW 66 153 N | 1/12 | 96 | 1046 |
| GW 66 154 N | 1/12 | 192 | 1046 |
| GW 66 155 N | 1/12 | 96 | 1046 |
| GW 66 156 N | 1/12 | 96 | 1046 |
| GW 66 157 N | 1/12 | 96 | 1046 |
| GW 66 158 N | 1/12 | 192 | 1046 |
| GW 66 159 N | 1/12 | 192 | 1046 |
| GW 66 162 N | 1/12 | 96 | 1046 |
| GW 66 163 N | 1/12 | 96 | 1046 |
| GW 66 164 N | 1/12 | 96 | 1046 |
| GW 66 165 N | 1/12 | 96 | 1046 |
| GW 66 166 N | 1/12 | 96 | 1046 |
| GW 66 167 N | 1/12 | 96 | 1046 |
| GW 66 168 N | 1/12 | 96 | 1046 |
| GW 66 169 N | 1/12 | 96 | 1046 |
| GW 66 170 N | 1/12 | 96 | 1046 |
| GW 66 201 N | 1/12 | 96 | 1049 |
| GW 66 202 N | 1/12 | 96 | 1049 |
| GW 66 203 N | 1/12 | 96 | 1049 |
| GW 66 204 N | 1/12 | 192 | 1049 |
| GW 66 205 N | 1/12 | 96 | 1049 |
| GW 66 206 N | 1/12 | 96 | 1049 |
| GW 66 207 N | 1/12 | 96 | 1049 |
| GW 66 208 N | 1/12 | 192 | 1049 |
| GW 66 209 N | 1/12 | 192 | 1049 |
| GW 66 210 N | 1/12 | 96 | 1049 |
| GW 66 211 N | 1/12 | 96 | 1049 |
| GW 66 212 N | 1/12 | 96 | 1049 |
| GW 66 213 N | 1/12 | 96 | 1049 |
| GW 66 214 N | 1/12 | 96 | 1049 |
| GW 66 215 N | 1/12 | 192 | 1049 |
| GW 66 216 N | 1/12 | 96 | 1049 |
| GW 66 217 N | 1/12 | 96 | 1049 |
| GW 66 218 N | 1/12 | 96 | 1049 |
| GW 66 219 N | 1/12 | 192 | 1049 |
| GW 66 220 N | 1/12 | 192 | 1049 |
| GW 66 221 N | 1/12 | 96 | 1049 |
| GW 66 222 N | 1/12 | 96 | 1049 |
| GW 66 223 N | 1/12 | 96 | 1051 |
| GW 66 224 N | 1/12 | 96 | 1051 |
| GW 66 225 N | 1/12 | 96 | 1051 |
| GW 66 226 N | 1/12 | 192 | 1051 |
| GW 66 227 N | 1/12 | 96 | 1051 |
| GW 66 228 N | 1/12 | 96 | 1051 |
| GW 66 229 N | 1/12 | 96 | 1051 |
| GW 66 230 N | 1/12 | 192 | 1051 |
| GW 66 231 N | 1/12 | 192 | 1051 |

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|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 66 232 N | 1/12 | 96 | 1051 |
| GW 66 233 N | 1/12 | 96 | 1051 |
| GW 66 234 N | 1/12 | 96 | 1051 |
| GW 66 235 N | 1/12 | 96 | 1051 |
| GW 66 236 N | 1/12 | 96 | 1051 |
| GW 66 237 N | 1/12 | 96 | 1051 |
| GW 66 238 N | 1/12 | 96 | 1051 |
| GW 66 239 N | 1/12 | 96 | 1051 |
| GW 66 240 N | 1/12 | 96 | 1051 |
| GW 66 241 N | 1/12 | 192 | 1051 |
| GW 66 242 N | 1/12 | 192 | 1051 |
| GW 66 243 N | 1/12 | 96 | 1051 |
| GW 66 244 N | 1/12 | 96 | 1051 |
| GW 66 257 N | 1/12 | 192 | 1049 |
| GW 66 258 N | 1/12 | 96 | 1051 |
| GW 66 259 N | 1/4 | 56 | 1049 |
| GW 66 301 N | 1/12 | 96 | 1048 |
| GW 66 302 N | 1/12 | 96 | 1048 |
| GW 66 303 N | 1/12 | 96 | 1048 |
| GW 66 304 N | 1/12 | 432 | 1048 |
| GW 66 305 N | 1/12 | 96 | 1048 |
| GW 66 306 N | 1/12 | 96 | 1048 |
| GW 66 307 N | 1/12 | 96 | 1048 |
| GW 66 308 N | 1/12 | 288 | 1048 |
| GW 66 309 N | 1/12 | 288 | 1048 |
| GW 66 310 N | 1/12 | 96 | 1048 |
| GW 66 311 N | 1/12 | 96 | 1048 |
| GW 66 312 N | 1/12 | 96 | 1048 |
| GW 66 313 N | 1/12 | 96 | 1048 |
| GW 66 314 N | 1/12 | 96 | 1048 |
| GW 66 315 N | 1/12 | 288 | 1048 |
| GW 66 316 N | 1/12 | 96 | 1048 |
| GW 66 317 N | 1/12 | 96 | 1048 |
| GW 66 318 N | 1/12 | 96 | 1048 |
| GW 66 319 N | 1/12 | 288 | 1048 |
| GW 66 320 N | 1/12 | 288 | 1048 |
| GW 66 321 N | 1/12 | 96 | 1048 |
| GW 66 322 N | 1/12 | 96 | 1048 |
| GW 66 323 N | 1/12 | 96 | 1050 |
| GW 66 324 N | 1/12 | 96 | 1050 |
| GW 66 325 N | 1/12 | 96 | 1050 |
| GW 66 326 N | 1/12 | 432 | 1050 |
| GW 66 327 N | 1/12 | 96 | 1050 |
| GW 66 328 N | 1/12 | 96 | 1050 |
| GW 66 329 N | 1/12 | 96 | 1050 |
| GW 66 330 N | 1/12 | 288 | 1050 |
| GW 66 331 N | 1/12 | 288 | 1050 |
| GW 66 332 N | 1/12 | 96 | 1050 |
| GW 66 333 N | 1/12 | 96 | 1050 |
| GW 66 334 N | 1/12 | 96 | 1050 |
| GW 66 335 N | 1/12 | 96 | 1050 |
| GW 66 336 N | 1/12 | 96 | 1050 |
| GW 66 337 N | 1/12 | 288 | 1050 |
| GW 66 338 N | 1/12 | 96 | 1050 |
| GW 66 339 N | 1/12 | 96 | 1050 |
| GW 66 340 N | 1/12 | 96 | 1050 |
| GW 66 341 N | 1/12 | 288 | 1050 |
| GW 66 342 N | 1/12 | 192 | 1050 |
| GW 66 343 N | 1/12 | 96 | 1050 |
| GW 66 344 N | 1/12 | 96 | 1050 |
| GW 66 345 N | 1/4 | 64 | 1050 |
| GW 66 346 N | 1/4 | 64 | 1050 |
| GW 66 347 N | 1/4 | 64 | 1050 |
| GW 66 348 N | 1/4 | 64 | 1050 |

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| | Pack/carton | Pallet | |
| GW 66 349 N | 1/4 | 64 | 1050 |
| GW 66 350 N | 1/4 | 64 | 1050 |
| GW 66 351 N | 1/4 | 64 | 1050 |
| GW 66 352 N | 1/4 | 128 | 1050 |
| GW 66 353 N | 1/4 | 128 | 1050 |
| GW 66 354 N | 1/4 | 64 | 1050 |
| GW 66 355 N | 1/4 | 64 | 1050 |
| GW 66 357 N | 1/12 | 96 | 1048 |
| GW 66 358 N | 1/12 | 96 | 1050 |
| GW 66 359 N | 1/4 | 128 | 1048 |
| GW 66 388 | 1 | 6 | 1121 |
| GW 66 389 | 1 | 6 | 1121 |
| GW 66 391 | 1/2 | 36 | 1104 |
| GW 66 392 | 1/2 | 24 | 1104 |
| GW 66 393 | 1/2 | 24 | 1104 |
| GW 66 394 | 1 | 18 | 1104 |
| GW 66 395 | 1 | 18 | 1104 |
| GW 66 396 | 1 | 18 | 1104 |
| GW 66 397 | 1 | 18 | 1104 |
| GW 66 401 | 1/12 | 192 | 1070 |
| GW 66 402 | 1/12 | 192 | 1070 |
| GW 66 403 | 1/12 | 192 | 1070 |
| GW 66 404 | 1/12 | 336 | 1070 |
| GW 66 405 | 1/12 | 192 | 1070 |
| GW 66 406 | 1/12 | 192 | 1070 |
| GW 66 407 | 1/12 | 192 | 1070 |
| GW 66 408 | 1/12 | 336 | 1070 |
| GW 66 409 | 1/12 | 192 | 1070 |
| GW 66 412 | 1/12 | 192 | 1070 |
| GW 66 413 | 1/12 | 192 | 1070 |
| GW 66 414 | 1/12 | 192 | 1070 |
| GW 66 415 | 1/12 | 192 | 1070 |
| GW 66 416 | 1/12 | 192 | 1070 |
| GW 66 417 | 1/12 | 192 | 1070 |
| GW 66 418 | 1/12 | 192 | 1070 |
| GW 66 419 | 1/12 | 168 | 1070 |
| GW 66 420 | 1/12 | 168 | 1070 |
| GW 66 423 | 1/12 | 192 | 1070 |
| GW 66 424 | 1/12 | 192 | 1070 |
| GW 66 425 | 1/12 | 192 | 1070 |
| GW 66 426 | 1/12 | 336 | 1070 |
| GW 66 427 | 1/12 | 192 | 1070 |
| GW 66 428 | 1/12 | 192 | 1070 |
| GW 66 429 | 1/12 | 192 | 1070 |
| GW 66 430 | 1/12 | 336 | 1070 |
| GW 66 431 | 1/12 | 168 | 1070 |
| GW 66 434 | 1/12 | 192 | 1070 |
| GW 66 435 | 1/12 | 192 | 1070 |
| GW 66 436 | 1/12 | 192 | 1070 |
| GW 66 437 | 1/12 | 192 | 1070 |
| GW 66 438 | 1/12 | 192 | 1070 |
| GW 66 439 | 1/12 | 192 | 1070 |
| GW 66 440 | 1/12 | 192 | 1070 |
| GW 66 441 | 1/12 | 168 | 1070 |
| GW 66 442 | 1/12 | 168 | 1070 |
| GW 66 445 | 1/12 | 192 | 1071 |
| GW 66 446 | 1/12 | 192 | 1071 |
| GW 66 447 | 1/12 | 192 | 1071 |
| GW 66 448 | 1/12 | 336 | 1071 |
| GW 66 449 | 1/12 | 96 | 1071 |
| GW 66 450 | 1/12 | 192 | 1071 |
| GW 66 451 | 1/12 | 192 | 1071 |
| GW 66 452 | 1/12 | 168 | 1071 |
| GW 66 453 | 1/12 | 192 | 1071 |

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| GW 66 457 | 1/12 | 120 | 1071 |
| GW 66 458 | 1/12 | 96 | 1071 |
| GW 66 459 | 1/12 | 96 | 1071 |
| GW 66 460 | 1/12 | 96 | 1071 |
| GW 66 461 | 1/12 | 96 | 1071 |
| GW 66 462 | 1/12 | 96 | 1071 |
| GW 66 463 | 1/12 | 96 | 1071 |
| GW 66 464 | 1/12 | 96 | 1071 |
| GW 66 467 | 1/12 | 192 | 1071 |
| GW 66 468 | 1/12 | 336 | 1071 |
| GW 66 469 | 1/12 | 192 | 1071 |
| GW 66 470 | 1/12 | 336 | 1071 |
| GW 66 471 | 1/12 | 192 | 1071 |
| GW 66 472 | 1/12 | 192 | 1071 |
| GW 66 473 | 1/12 | 192 | 1071 |
| GW 66 474 | 1/12 | 336 | 1071 |
| GW 66 475 | 1/12 | 168 | 1071 |
| GW 66 478 | 1/12 | 96 | 1071 |
| GW 66 479 | 1/12 | 96 | 1071 |
| GW 66 480 | 1/12 | 96 | 1071 |
| GW 66 481 | 1/12 | 96 | 1071 |
| GW 66 482 | 1/12 | 96 | 1071 |
| GW 66 483 | 1/12 | 96 | 1071 |
| GW 66 484 | 1/12 | 96 | 1071 |
| GW 66 485 | 1/12 | 96 | 1071 |
| GW 66 486 | 1/12 | 96 | 1071 |
| GW 66 491 | 1/12 | 360 | 1074 |
| GW 66 491 | 1/12 | 360 | 1100 |
| GW 66 492 | 1/6 | 168 | 1074 |
| GW 66 492 | 1/6 | 168 | 1100 |
| GW 66 493 | 1/4 | 120 | 1074 |
| GW 66 493 | 1/4 | 120 | 1100 |
| GW 66 496 | 1/12 | 864 | 1072 |
| GW 66 498 | 1/12 | 432 | 1072 |
| GW 66 501 | 1/6 | 48 | 1057 |
| GW 66 502 | 1/6 | 24 | 1057 |
| GW 66 503 | 1/6 | 48 | 1057 |
| GW 66 504 | 1/6 | 48 | 1057 |
| GW 66 505 | 1/6 | 48 | 1057 |
| GW 66 506 | 1/6 | 48 | 1057 |
| GW 66 507 | 1/6 | 48 | 1057 |
| GW 66 508 | 1/6 | 48 | 1057 |
| GW 66 509 | 1/6 | 48 | 1057 |
| GW 66 510 | 1/6 | 48 | 1057 |
| GW 66 511 | 1/6 | 48 | 1057 |
| GW 66 512 | 1/6 | 48 | 1057 |
| GW 66 513 | 1/6 | 48 | 1057 |
| GW 66 514 | 1/6 | 48 | 1057 |
| GW 66 515 | 1/6 | 48 | 1057 |
| GW 66 516 | 1/6 | 48 | 1057 |
| GW 66 517 | 1/6 | 48 | 1057 |
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| GW 66 520 | 1/6 | 48 | 1057 |
| GW 66 521 | 1/6 | 48 | 1057 |
| GW 66 522 | 1/6 | 48 | 1057 |
| GW 66 523 | 1/6 | 120 | 1057 |
| GW 66 524 | 1/3 | 18 | 1057 |
| GW 66 525 | 1/3 | 18 | 1057 |
| GW 66 526 | 1/3 | 135 | 1057 |
| GW 66 527 | 1/3 | 54 | 1057 |
| GW 66 528 | 1/3 | 18 | 1057 |
| GW 66 529 | 1/3 | 18 | 1057 |

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| | Pack/carton | Pallet | |
| GW 66 530 | 1/3 | 18 | 1057 |
| GW 66 531 | 1/3 | 54 | 1057 |
| GW 66 532 | 1/3 | 54 | 1057 |
| GW 66 533 | 1/3 | 18 | 1057 |
| GW 66 534 | 1/3 | 18 | 1057 |
| GW 66 535 | 1/6 | 48 | 1056 |
| GW 66 536 | 1/6 | 48 | 1056 |
| GW 66 537 | 1/6 | 48 | 1056 |
| GW 66 538 | 1/6 | 48 | 1056 |
| GW 66 539 | 1/6 | 48 | 1056 |
| GW 66 540 | 1/6 | 48 | 1056 |
| GW 66 541 | 1/6 | 48 | 1056 |
| GW 66 542 | 1/6 | 48 | 1056 |
| GW 66 543 | 1/6 | 48 | 1056 |
| GW 66 544 | 1/6 | 48 | 1056 |
| GW 66 545 | 1/6 | 48 | 1056 |
| GW 66 546 | 1/6 | 48 | 1056 |
| GW 66 547 | 1/6 | 48 | 1056 |
| GW 66 548 | 1/6 | 48 | 1056 |
| GW 66 549 | 1/6 | 48 | 1056 |
| GW 66 550 | 1/6 | 48 | 1056 |
| GW 66 551 | 1/6 | 48 | 1056 |
| GW 66 552 | 1/6 | 48 | 1056 |
| GW 66 553 | 1/6 | 48 | 1056 |
| GW 66 554 | 1/6 | 48 | 1056 |
| GW 66 555 | 1/6 | 48 | 1056 |
| GW 66 556 | 1/6 | 48 | 1056 |
| GW 66 557 | 1/6 | 48 | 1056 |
| GW 66 581 | 1 | 8 | 1063 |
| GW 66 582 | 1 | 8 | 1063 |
| GW 66 583 | 1 | 8 | 1063 |
| GW 66 584 | 1 | 8 | 1063 |
| GW 66 585 | 1 | 8 | 1063 |
| GW 66 586 | 1 | 12 | 1063 |
| GW 66 587 | 1 | 8 | 1063 |
| GW 66 588 | 1 | 8 | 1063 |
| GW 66 591 | 1 | 8 | 1063 |
| GW 66 592 | 1 | 8 | 1063 |
| GW 66 593 | 1 | 8 | 1063 |
| GW 66 594 | 1 | 8 | 1063 |
| GW 66 595 | 1 | 8 | 1063 |
| GW 66 596 | 1 | 8 | 1063 |
| GW 66 597 | 1 | 8 | 1063 |
| GW 66 598 | 1 | 8 | 1063 |
| GW 66 673 | 10/120 | 4800 | 1099 |
| GW 66 676 | 1/10 | 900 | 1066 |
| GW 66 677 | 1/10 | 540 | 1068 |
| GW 66 678 N | 1/12 | 840 | 1052 |
| GW 66 680 N | 1/10 | 160 | 1052 |
| GW 66 681 | 1/10 | 420 | 1066 |
| GW 66 681 PM | 1/10 | 420 | 1066 |
| GW 66 681 PM | 1/10 | 420 | 1347 |
| GW 66 682 | 1/10 | 240 | 1068 |
| GW 66 682 PM | 1/10 | 240 | 1068 |
| GW 66 682 PM | 1/10 | 240 | 1347 |
| GW 66 683 N | 1/10 | 360 | 1053 |
| GW 66 683 PM | 1/10 | 300 | 1054 |
| GW 66 683 PM | 1/10 | 300 | 1347 |
| GW 66 685 | 1/10 | 240 | 1062 |
| GW 66 686 | 1/10 | 120 | 1052 |
| GW 66 690 | 1/6 | 288 | 1053 |
| GW 66 691 | 1/6 | 144 | 1053 |
| GW 66 693 | 1/6 | 96 | 1053 |
| GW 66 694 | 1/6 | 96 | 1053 |

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| | Pack/carton | Pallet | |
| GW 66 696 | 1/6 | 108 | 1062 |
| GW 66 697 | 1/2 | 40 | 1062 |
| GW 66 698 | 1/2 | 36 | 1062 |
| GW 66 700 | 1/6 | 72 | 1062 |
| GW 66 701 | 1/10 | 1280 | 1066 |
| GW 66 701 | 1/10 | 1280 | 1097 |
| GW 66 702 | 1/10 | 1100 | 1068 |
| GW 66 702 | 1/10 | 1100 | 1097 |
| GW 66 703 N | 1/10 | 1100 | 1054 |
| GW 66 703 N | 1/10 | 1100 | 1097 |
| GW 66 705 N | 1/10 | 720 | 1054 |
| GW 66 705 N | 1/10 | 720 | 1097 |
| GW 66 706 | 1/10 | 240 | 1062 |
| GW 66 707 | 1/10 | 240 | 1063 |
| GW 66 708 | 1/20 | 1400 | 1098 |
| GW 66 708 | 1/20 | 1400 | 1208 |
| GW 66 708 | 1/20 | 1400 | 1375 |
| GW 66 708 | 1/20 | 1400 | 1399 |
| GW 66 709 N | 1/10 | 1200 | 1054 |
| GW 66 709 N | 1/10 | 1200 | 1097 |
| GW 66 715 N | 1/10 | 1000 | 1055 |
| GW 66 715 N | 1/10 | 1000 | 1098 |
| GW 66 716 N | 1/10 | 200 | 1055 |
| GW 66 716 N | 1/10 | 200 | 1098 |
| GW 66 741 N | 1/10 | 360 | 1053 |
| GW 66 742 | 1/10 | 120 | 1002 |
| GW 66 743 N | 1/10 | 140 | 1054 |
| GW 66 745 | 1/20 | 1400 | 1098 |
| GW 66 745 | 1/20 | 1400 | 1208 |
| GW 66 745 | 1/20 | 1400 | 1375 |
| GW 66 745 | 1/20 | 1400 | 1399 |
| GW 66 781 | 1/6 | 108 | 1062 |
| GW 66 782 | 1/2 | 40 | 1062 |
| GW 66 783 | 1/2 | 36 | 1062 |
| GW 66 784 | 1/6 | 72 | 1062 |
| GW 66 801 | 1/6 | 48 | 1060 |
| GW 66 802 | 1/6 | 120 | 1060 |
| GW 66 803 | 1/6 | 120 | 1060 |
| GW 66 804 | 1/6 | 48 | 1060 |
| GW 66 805 | 1/6 | 48 | 1060 |
| GW 66 806 | 1/6 | 48 | 1060 |
| GW 66 807 | 1/6 | 48 | 1060 |
| GW 66 808 | 1/6 | 120 | 1060 |
| GW 66 809 | 1/6 | 120 | 1060 |
| GW 66 810 | 1/6 | 120 | 1060 |
| GW 66 811 | 1/6 | 120 | 1060 |
| GW 66 812 | 1/6 | 120 | 1060 |
| GW 66 813 | 1/6 | 120 | 1060 |
| GW 66 814 | 1/6 | 120 | 1060 |
| GW 66 815 | 1/6 | 48 | 1060 |
| GW 66 816 | 1/6 | 120 | 1060 |
| GW 66 817 | 1/6 | 48 | 1060 |
| GW 66 818 | 1/6 | 120 | 1060 |
| GW 66 819 | 1/6 | 60 | 1060 |
| GW 66 820 | 1/6 | 120 | 1060 |
| GW 66 821 | 1/6 | 120 | 1060 |
| GW 66 822 | 1/6 | 48 | 1060 |
| GW 66 823 | 1/6 | 120 | 1060 |
| GW 66 824 | 1/6 | 120 | 1058 |
| GW 66 825 | 1/6 | 120 | 1058 |
| GW 66 826 | 1/6 | 48 | 1058 |
| GW 66 827 | 1/6 | 120 | 1058 |
| GW 66 828 | 1/6 | 48 | 1058 |
| GW 66 829 | 1/6 | 120 | 1058 |

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| | Pack/carton | Pallet | |
| GW 66 830 | 1/6 | 48 | 1058 |
| GW 66 831 | 1/6 | 48 | 1058 |
| GW 66 832 | 1/6 | 48 | 1058 |
| GW 66 833 | 1/6 | 120 | 1058 |
| GW 66 834 | 1/6 | 48 | 1058 |
| GW 66 835 | 1/6 | 48 | 1058 |
| GW 66 836 | 1/6 | 120 | 1058 |
| GW 66 837 | 1/6 | 120 | 1058 |
| GW 66 838 | 1/6 | 48 | 1058 |
| GW 66 839 | 1/6 | 48 | 1058 |
| GW 66 840 | 1/6 | 48 | 1058 |
| GW 66 841 | 1/6 | 96 | 1058 |
| GW 66 842 | 1/6 | 48 | 1058 |
| GW 66 843 | 1/6 | 48 | 1058 |
| GW 66 844 | 1/6 | 120 | 1058 |
| GW 66 845 | 1/6 | 120 | 1058 |
| GW 66 846 | 1/6 | 120 | 1058 |
| GW 66 847 | 1/3 | 24 | 1061 |
| GW 66 848 | 1/3 | 60 | 1061 |
| GW 66 849 | 1/3 | 18 | 1061 |
| GW 66 850 | 1/3 | 18 | 1061 |
| GW 66 851 | 1/3 | 48 | 1061 |
| GW 66 852 | 1/3 | 18 | 1061 |
| GW 66 853 | 1/3 | 18 | 1061 |
| GW 66 854 | 1/3 | 54 | 1061 |
| GW 66 855 | 1/3 | 54 | 1061 |
| GW 66 856 | 1/3 | 18 | 1061 |
| GW 66 857 | 1/3 | 24 | 1061 |
| GW 66 866 | 1/3 | 18 | 1059 |
| GW 66 867 | 1/3 | 18 | 1059 |
| GW 66 868 | 1/3 | 18 | 1059 |
| GW 66 869 | 1/3 | 60 | 1059 |
| GW 66 870 | 1/3 | 54 | 1059 |
| GW 66 871 | 1/3 | 18 | 1059 |
| GW 66 872 | 1/3 | 18 | 1059 |
| GW 66 873 | 1/3 | 18 | 1059 |
| GW 66 874 | 1/3 | 54 | 1059 |
| GW 66 875 | 1/3 | 18 | 1059 |
| GW 66 876 | 1/3 | 18 | 1059 |
| GW 66 886 | 1/4 | 48 | 1060 |
| GW 66 951 | 1/6 | 48 | 1061 |
| GW 66 952 | 1/6 | 48 | 1061 |
| GW 66 953 | 1/6 | 48 | 1061 |
| GW 66 954 | 1/6 | 48 | 1061 |
| GW 66 955 | 1/6 | 48 | 1061 |
| GW 66 956 | 1/6 | 48 | 1061 |
| GW 66 957 | 1/6 | 48 | 1061 |
| GW 66 958 | 1/6 | 48 | 1061 |
| GW 66 959 | 1/6 | 48 | 1061 |
| GW 66 960 | 1/6 | 48 | 1061 |
| GW 66 961 | 1/6 | 48 | 1061 |
| GW 66 962 | 1/6 | 48 | 1061 |
| GW 66 963 | 1/6 | 48 | 1061 |
| GW 66 964 | 1/6 | 48 | 1061 |
| GW 66 965 | 1/6 | 48 | 1061 |
| GW 66 966 | 1/6 | 48 | 1061 |
| GW 66 967 | 1/6 | 48 | 1061 |
| GW 66 968 | 1/6 | 48 | 1061 |
| GW 66 969 | 1/6 | 48 | 1061 |
| GW 66 970 | 1/6 | 48 | 1061 |
| GW 66 971 | 1/6 | 240 | 1061 |
| GW 66 972 | 1/6 | 48 | 1061 |
| GW 66 973 | 1/6 | 72 | 1061 |
| GW 66 974 | 1/6 | 48 | 1059 |

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| | Pack/carton | Pallet | |
| GW 66 975 | 1/6 | 48 | 1059 |
| GW 66 976 | 1/6 | 48 | 1059 |
| GW 66 977 | 1/6 | 48 | 1059 |
| GW 66 978 | 1/6 | 48 | 1059 |
| GW 66 979 | 1/6 | 48 | 1059 |
| GW 66 980 | 1/6 | 48 | 1059 |
| GW 66 981 | 1/6 | 48 | 1059 |
| GW 66 982 | 1/6 | 48 | 1059 |
| GW 66 983 | 1/6 | 48 | 1059 |
| GW 66 984 | 1/6 | 48 | 1059 |
| GW 66 985 | 1/6 | 48 | 1059 |
| GW 66 986 | 1/6 | 48 | 1059 |
| GW 66 987 | 1/6 | 48 | 1059 |
| GW 66 988 | 1/6 | 48 | 1059 |
| GW 66 989 | 1/6 | 48 | 1059 |
| GW 66 990 | 1/6 | 48 | 1059 |
| GW 66 991 | 1/6 | 48 | 1059 |
| GW 66 992 | 1/6 | 48 | 1059 |
| GW 66 993 | 1/6 | 48 | 1059 |
| GW 66 994 | 1/6 | 48 | 1059 |
| GW 66 995 | 1/6 | 48 | 1059 |
| GW 66 996 | 1/6 | 48 | 1059 |
| GW 66 998 | 1/4 | 48 | 1061 |

| GW67 | | | |
|-------------|-----|-----|------|
| GW 67 245 N | 1/4 | 32 | 1051 |
| GW 67 246 N | 1/4 | 32 | 1051 |
| GW 67 247 N | 1/4 | 32 | 1051 |
| GW 67 248 N | 1/4 | 32 | 1051 |
| GW 67 249 N | 1/4 | 32 | 1051 |
| GW 67 250 N | 1/4 | 32 | 1051 |
| GW 67 251 N | 1/4 | 32 | 1051 |
| GW 67 252 N | 1/4 | 64 | 1051 |
| GW 67 253 N | 1/4 | 64 | 1051 |
| GW 67 254 N | 1/4 | 32 | 1051 |
| GW 67 255 N | 1/4 | 32 | 1051 |
| GW 67 256 N | 1/4 | 64 | 1049 |
| GW 67 257 N | 1/4 | 64 | 1049 |
| GW 67 258 N | 1/4 | 64 | 1049 |
| GW 67 259 N | 1/4 | 64 | 1049 |
| GW 67 260 N | 1/4 | 64 | 1049 |
| GW 67 261 N | 1/4 | 64 | 1049 |
| GW 67 262 N | 1/4 | 64 | 1049 |
| GW 67 263 N | 1/4 | 128 | 1049 |
| GW 67 264 N | 1/4 | 128 | 1049 |
| GW 67 265 N | 1/4 | 64 | 1049 |
| GW 67 266 N | 1/4 | 64 | 1049 |
| GW 67 356 N | 1/4 | 64 | 1048 |
| GW 67 357 N | 1/4 | 64 | 1048 |
| GW 67 358 N | 1/4 | 64 | 1048 |
| GW 67 359 N | 1/4 | 64 | 1048 |
| GW 67 360 N | 1/4 | 64 | 1048 |
| GW 67 361 N | 1/4 | 64 | 1048 |
| GW 67 362 N | 1/4 | 64 | 1048 |
| GW 67 363 N | 1/4 | 64 | 1048 |
| GW 67 364 N | 1/4 | 128 | 1048 |
| GW 67 365 N | 1/4 | 64 | 1048 |
| GW 67 366 N | 1/4 | 64 | 1048 |

| GW68 | | | |
|-------------|---|-----|------|
| GW 68 001 N | 8 | 320 | 1092 |
| GW 68 002 N | 6 | 120 | 1092 |
| GW 68 003 N | 6 | 210 | 1092 |
| GW 68 004 N | 4 | 120 | 1093 |

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| | Pack/carton | Pallet | |
| GW 68 005 N | 4 | 120 | 1093 |
| GW 68 006 N | 4 | 80 | 1067 |
| GW 68 006 N | 4 | 80 | 1093 |
| GW 68 007 N | 3 | 90 | 1093 |
| GW 68 008 N | 3 | 90 | 1093 |
| GW 68 009 N | 3 | 90 | 1067 |
| GW 68 009 N | 3 | 90 | 1093 |
| GW 68 010 N | 3 | 90 | 1055 |
| GW 68 010 N | 3 | 90 | 1093 |
| GW 68 012 N | 2 | 48 | 1093 |
| GW 68 013 N | 2 | 48 | 1093 |
| GW 68 014 N | 2 | 36 | 1069 |
| GW 68 014 N | 2 | 36 | 1093 |
| GW 68 015 N | 2 | 48 | 1055 |
| GW 68 015 N | 2 | 48 | 1094 |
| GW 68 017 N | 16 | 320 | 1092 |
| GW 68 018 N | 12 | 360 | 1092 |
| GW 68 019 N | 6 | 120 | 1067 |
| GW 68 019 N | 6 | 120 | 1092 |
| GW 68 020 N | 8 | 320 | 1092 |
| GW 68 021 N | 2 | 36 | 1093 |
| GW 68 022 N | 2 | 36 | 1055 |
| GW 68 022 N | 2 | 36 | 1094 |
| GW 68 023 N | 1/3 | 108 | 1094 |
| GW 68 024 N | 1/3 | 72 | 1094 |
| GW 68 025 N | 6 | 120 | 1055 |
| GW 68 025 N | 6 | 120 | 1092 |
| GW 68 026 N | 8 | 192 | 1092 |
| GW 68 027 N | 6 | 120 | 1092 |
| GW 68 031 N | 4 | 96 | 1092 |
| GW 68 032 N | 4 | 32 | 1092 |
| GW 68 101 | 1 | 0 | 1178 |
| GW 68 101 R | 1 | 0 | 1178 |
| GW 68 102 | 1 | 10 | 1178 |
| GW 68 102 R | 1 | 10 | 1178 |
| GW 68 103 | 1 | 0 | 1178 |
| GW 68 103 R | 1 | 0 | 1178 |
| GW 68 104 | 1 | 10 | 1178 |
| GW 68 104 C | 1 | 0 | 1178 |
| GW 68 104 R | 1 | 10 | 1178 |
| GW 68 105 | 1 | 120 | 1178 |
| GW 68 105 R | 1 | 0 | 1178 |
| GW 68 106 | 1 | 4 | 1179 |
| GW 68 106 C | 1 | 4 | 1179 |
| GW 68 106 R | 1 | 6 | 1179 |
| GW 68 107 | 1 | 0 | 1179 |
| GW 68 108 | 1 | 0 | 1179 |
| GW 68 109 | 1 | 0 | 1179 |
| GW 68 110 | 1 | 0 | 1180 |
| GW 68 111 | 1 | 100 | 1180 |
| GW 68 112 | 1 | 100 | 1180 |
| GW 68 113 | 1 | 100 | 1180 |
| GW 68 114 | 1 | 0 | 1175 |
| GW 68 115 | 1 | 0 | 1175 |
| GW 68 116 | 1 | 0 | 1175 |
| GW 68 117 | 1 | 0 | 1175 |
| GW 68 118 | 1 | 0 | 1175 |
| GW 68 119 | 1 | 0 | 1176 |
| GW 68 120 | 1 | 0 | 1176 |
| GW 68 202 N | 1/3 | 30 | 1101 |
| GW 68 203 N | 1/3 | 48 | 1119 |
| GW 68 204 N | 1/2 | 40 | 1119 |
| GW 68 205 N | 1/3 | 48 | 1102 |
| GW 68 206 N | 1 | 28 | 1102 |

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| | Pack/carton | Pallet | |
| GW 68 207 N | 1 | 28 | 1102 |
| GW 68 208 N | 1 | 18 | 1103 |
| GW 68 212 N | 1/8 | 96 | 1101 |
| GW 68 216 N | 1/2 | 48 | 1119 |
| GW 68 217 N | 1/3 | 60 | 1118 |
| GW 68 223 N | 1/2 | 14 | 1118 |
| GW 68 224 N | 1/2 | 36 | 1101 |
| GW 68 225 N | 1/6 | 48 | 1101 |
| GW 68 226 N | 1/6 | 48 | 1101 |
| GW 68 227 N | 1/8 | 96 | 1101 |
| GW 68 228 N | 1/3 | 30 | 1101 |
| GW 68 229 N | 1 | 28 | 1102 |
| GW 68 230 N | 1 | 9 | 1102 |
| GW 68 231 N | 1 | 9 | 1102 |
| GW 68 232 N | 1/2 | 18 | 1101 |
| GW 68 233 N | 1/2 | 12 | 1101 |
| GW 68 235 N | 1/2 | 0 | 1121 |
| GW 68 236 N | 1 | 0 | 1121 |
| GW 68 241 N | 1/3 | 0 | 1118 |
| GW 68 242 N | 1/3 | 0 | 1118 |
| GW 68 243 N | 1/3 | 0 | 1118 |
| GW 68 244 N | 1/3 | 0 | 1118 |
| GW 68 245 N | 1/2 | 16 | 1119 |
| GW 68 246 N | 1/2 | 0 | 1119 |
| GW 68 247 N | 1/2 | 0 | 1119 |
| GW 68 248 N | 1 | 0 | 1120 |
| GW 68 249 N | 1 | 11 | 1120 |
| GW 68 250 N | 1 | 0 | 1120 |
| GW 68 251 N | 1 | 11 | 1120 |
| GW 68 281 | 1/10 | 200 | 1098 |
| GW 68 292 | 1/10 | 2760 | 1097 |
| GW 68 293 | 1/10 | 3120 | 1097 |
| GW 68 294 | 1/10 | 3120 | 1097 |
| GW 68 295 | 1/10 | 3120 | 1072 |
| GW 68 295 | 1/10 | 3120 | 1074 |
| GW 68 295 | 1/10 | 3120 | 1100 |
| GW 68 296 | 1/10 | 1320 | 1097 |
| GW 68 401 N | 1 | 10 | 1119 |
| GW 68 411 N | 1 | 6 | 1120 |
| GW 68 421 N | 1 | 6 | 1120 |
| GW 68 424 N | 1 | 6 | 1120 |
| GW 68 431 | 1 | 30 | 1095 |
| GW 68 432 | 1 | 20 | 1095 |
| GW 68 433 | 1 | 20 | 1095 |
| GW 68 434 ① | 1 | 0 | 1177 |
| GW 68 436 N | 1/10 | 960 | 1097 |
| GW 68 441 | 1/6 | 168 | 1055 |
| GW 68 441 | 1/6 | 168 | 1067 |
| GW 68 441 | 1/6 | 168 | 1069 |
| GW 68 441 | 1/6 | 168 | 1073 |
| GW 68 441 | 1/6 | 168 | 1325 |
| GW 68 463 | 1 | 10 | 1125 |
| GW 68 465 | 1 | 9 | 1123 |
| GW 68 466 | 1 | 9 | 1123 |
| GW 68 468 | 1 | 0 | 1112 |
| GW 68 469 | 1 | 0 | 1112 |
| GW 68 471 | 1 | 4 | 1115 |
| GW 68 471 F | 1 | 0 | 1117 |
| GW 68 472 | 1 | 4 | 1115 |
| GW 68 472 F | 1 | 0 | 1117 |
| GW 68 473 | 1 | 4 | 1115 |
| GW 68 473 F | 1 | 0 | 1117 |
| GW 68 474 | 1 | 4 | 1115 |
| GW 68 481 | 1 | 6 | 1114 |

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|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 68 481 F | 1 | 6 | 1117 |
| GW 68 482 | 1 | 6 | 1114 |
| GW 68 482 F | 1 | 6 | 1117 |
| GW 68 483 | 1 | 6 | 1115 |
| GW 68 483 F | 1 | 6 | 1117 |
| GW 68 484 | 1 | 6 | 1115 |
| GW 68 484 F | 1 | 6 | 1117 |
| GW 68 491 | 1 | 4 | 1114 |
| GW 68 491 F | 1 | 4 | 1116 |
| GW 68 492 | 1 | 4 | 1114 |
| GW 68 493 | 1 | 4 | 1114 |
| GW 68 493 F | 1 | 4 | 1116 |
| GW 68 494 | 1 | 4 | 1114 |
| GW 68 494 F | 1 | 4 | 1116 |
| GW 68 495 | 1 | 4 | 1114 |
| GW 68 496 | 1 | 4 | 1114 |
| GW 68 497 | 1 | 4 | 1114 |
| GW 68 498 F | 1 | 4 | 1116 |
| GW 68 503 | 1/8 | 80 | 1124 |
| GW 68 504 | 1/4 | 280 | 1124 |
| GW 68 505 | 1/10 | 1440 | 1125 |
| GW 68 511 | 1 | 6 | 1113 |
| GW 68 511 F | 1 | 0 | 1116 |
| GW 68 512 | 1 | 6 | 1113 |
| GW 68 512 F | 1 | 0 | 1116 |
| GW 68 513 | 1 | 6 | 1113 |
| GW 68 513 F | 1 | 0 | 1116 |
| GW 68 514 | 1 | 6 | 1113 |
| GW 68 514 F | 1 | 0 | 1116 |
| GW 68 521 | 1 | 6 | 1112 |
| GW 68 526 | 1 | 4 | 1112 |
| GW 68 531 | 1 | 3 | 1112 |
| GW 68 536 ① | 1 | 0 | 1112 |
| GW 68 537 ① | 1 | 0 | 1112 |
| GW 68 538 ① | 1 | 0 | 1112 |
| GW 68 539 ① | 1 | 0 | 1112 |
| GW 68 541 | 1 | 6 | 1113 |
| GW 68 542 | 1 | 6 | 1113 |
| GW 68 543 | 1 | 4 | 1114 |
| GW 68 544 | 1 | 4 | 1114 |
| GW 68 551 | 1 | 48 | 1124 |
| GW 68 552 | 1 | 48 | 1124 |
| GW 68 554 | 1 | 48 | 1124 |
| GW 68 556 | 1 | 48 | 1124 |
| GW 68 559 | 1 | 20 | 1124 |
| GW 68 561 | 1 | 0 | 1113 |
| GW 68 561 F | 1 | 0 | 1116 |
| GW 68 562 | 1 | 0 | 1113 |
| GW 68 562 F | 1 | 0 | 1116 |
| GW 68 563 | 1 | 0 | 1113 |
| GW 68 563 F | 1 | 0 | 1116 |
| GW 68 564 | 1 | 0 | 1113 |
| GW 68 564 F | 1 | 6 | 1116 |
| GW 68 565 | 1 | 0 | 1113 |
| GW 68 565 F | 1 | 0 | 1116 |
| GW 68 566 | 1 | 0 | 1113 |
| GW 68 566 F | 1 | 0 | 1116 |
| GW 68 567 | 1 | 0 | 1113 |
| GW 68 567 F | 1 | 0 | 1116 |
| GW 68 568 | 1 | 0 | 1113 |
| GW 68 568 F | 1 | 0 | 1116 |
| GW 68 569 | 1 | 0 | 1113 |
| GW 68 569 F | 1 | 0 | 1116 |
| GW 68 570 | 1 | 0 | 1113 |

| Code | Quantity | | Page |
|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 68 570 F | 1 | 0 | 1116 |
| GW 68 571 | 1 | 0 | 1113 |
| GW 68 571 F | 1 | 0 | 1116 |
| GW 68 572 | 1 | 0 | 1113 |
| GW 68 572 F | 1 | 0 | 1116 |
| GW 68 573 | 1 | 0 | 1113 |
| GW 68 573 F | 1 | 0 | 1116 |
| GW 68 574 | 1 | 0 | 1113 |
| GW 68 574 F | 1 | 4 | 1116 |
| GW 68 575 | 1 | 0 | 1114 |
| GW 68 575 F | 1 | 0 | 1116 |
| GW 68 576 | 1 | 0 | 1114 |
| GW 68 576 F | 1 | 4 | 1116 |
| GW 68 577 | 1 | 0 | 1114 |
| GW 68 577 F | 1 | 4 | 1116 |
| GW 68 578 | 1 | 0 | 1114 |
| GW 68 578 F | 1 | 4 | 1116 |
| GW 68 579 | 1 | 0 | 1114 |
| GW 68 579 F | 1 | 4 | 1116 |
| GW 68 580 | 1 | 0 | 1114 |
| GW 68 580 F | 1 | 4 | 1116 |
| GW 68 581 | 1 | 0 | 1114 |
| GW 68 582 | 1 | 0 | 1114 |
| GW 68 582 F | 1 | 4 | 1116 |
| GW 68 583 | 1 | 0 | 1114 |
| GW 68 583 F | 1 | 4 | 1116 |
| GW 68 584 | 1 | 0 | 1114 |
| GW 68 584 F | 1 | 0 | 1117 |
| GW 68 585 | 1 | 0 | 1114 |
| GW 68 586 | 1 | 0 | 1114 |
| GW 68 586 F | 1 | 6 | 1117 |
| GW 68 587 | 1 | 0 | 1114 |
| GW 68 587 F | 1 | 6 | 1117 |
| GW 68 588 | 1 | 0 | 1114 |
| GW 68 588 F | 1 | 0 | 1117 |
| GW 68 589 | 1 | 0 | 1115 |
| GW 68 589 F | 1 | 6 | 1117 |
| GW 68 590 | 1 | 0 | 1115 |
| GW 68 590 F | 1 | 6 | 1117 |
| GW 68 591 | 1/20 | 600 | 1124 |
| GW 68 592 | 1 | 0 | 1115 |
| GW 68 592 F | 1 | 6 | 1117 |
| GW 68 593 | 1 | 0 | 1115 |
| GW 68 594 | 1 | 0 | 1115 |
| GW 68 594 F | 1 | 0 | 1117 |
| GW 68 595 | 1 | 0 | 1115 |
| GW 68 595 F | 1 | 0 | 1117 |
| GW 68 596 | 1 | 0 | 1115 |
| GW 68 596 F | 1 | 0 | 1117 |
| GW 68 597 | 1 | 0 | 1115 |
| GW 68 597 F | 1 | 0 | 1117 |
| GW 68 598 | 1 | 0 | 1115 |
| GW 68 598 F | 1 | 0 | 1117 |
| GW 68 599 | 1 | 0 | 1115 |
| GW 68 599 F | 1 | 0 | 1117 |
| GW 68 600 | 1 | 0 | 1115 |
| GW 68 600 F | 1 | 0 | 1117 |
| GW 68 701 A | 1 | 10 | 1146 |
| GW 68 701 W | 1 | 10 | 1146 |
| GW 68 711 A | 1 | 10 | 1146 |
| GW 68 711 W | 1 | 10 | 1146 |
| GW 68 712 A | 1 | 10 | 1146 |
| GW 68 712 W | 1 | 10 | 1146 |
| GW 68 713 A | 1 | 6 | 1146 |

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|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 68 713 G | 1 | 6 | 1146 |
| GW 68 713 W | 1 | 6 | 1146 |
| GW 68 714 A | 1 | 6 | 1146 |
| GW 68 714 W | 1 | 6 | 1146 |
| GW 68 715 A | 1 | 3 | 1154 |
| GW 68 715 W | 1 | 3 | 1154 |
| GW 68 716 A | 1 | 6 | 1146 |
| GW 68 716 W | 1 | 10 | 1146 |
| GW 68 717 A | 1 | 2 | 1157 |
| GW 68 717 W | 1 | 2 | 1157 |
| GW 68 721 A | 1 | 6 | 1147 |
| GW 68 721 W | 1 | 6 | 1147 |
| GW 68 722 A | 1 | 6 | 1147 |
| GW 68 722 W | 1 | 6 | 1147 |
| GW 68 723 A | 1 | 6 | 1147 |
| GW 68 723 W | 1 | 6 | 1147 |
| GW 68 726 A | 1 | 3 | 1154 |
| GW 68 726 W | 1 | 4 | 1154 |
| GW 68 728 A | 1 | 2 | 1157 |
| GW 68 728 W | 1 | 2 | 1157 |
| GW 68 729 A | 1 | 6 | 1147 |
| GW 68 729 W | 1 | 8 | 1147 |
| GW 68 731 W | 1/2 | 112 | 1159 |
| GW 68 732 W | 1/2 | 112 | 1159 |
| GW 68 733 W | 1/2 | 110 | 1159 |
| GW 68 734 W | 1/2 | 108 | 1159 |
| GW 68 735 W | 1/2 | 110 | 1159 |
| GW 68 736 W | 1/2 | 24 | 1159 |
| GW 68 737 A | 1/2 | 48 | 1159 |
| GW 68 737 W | 1/2 | 48 | 1159 |
| GW 68 741 A | 1/2 | 48 | 1159 |
| GW 68 741 W | 1/2 | 48 | 1159 |
| GW 68 745 A | 1/2 | 100 | 1150 |
| GW 68 745 G | 1/2 | 0 | 1150 |
| GW 68 745 W | 1/2 | 100 | 1150 |
| GW 68 746 A | 1/2 | 100 | 1150 |
| GW 68 746 W | 1/2 | 100 | 1150 |
| GW 68 747 A | 1/2 | 100 | 1150 |
| GW 68 747 W | 1/2 | 48 | 1150 |
| GW 68 748 A | 1/2 | 100 | 1150 |
| GW 68 748 G | 1/2 | 0 | 1150 |
| GW 68 748 W | 1/2 | 100 | 1150 |
| GW 68 749 A | 1/2 | 100 | 1150 |
| GW 68 749 W | 1/2 | 100 | 1150 |
| GW 68 750 A | 1/2 | 100 | 1150 |
| GW 68 750 G | 1/2 | 0 | 1150 |
| GW 68 750 W | 1/2 | 100 | 1150 |
| GW 68 751 | 1/4 | 48 | 1160 |
| GW 68 752 | 1 | 42 | 1160 |
| GW 68 753 | 1 | 24 | 1160 |
| GW 68 756 | 1 | 20 | 1154 |
| GW 68 756 | 1 | 20 | 1157 |
| GW 68 757 | 1 | 10 | 1154 |
| GW 68 757 | 1 | 10 | 1157 |
| GW 68 758 | 1/5 | 1560 | 1161 |
| GW 68 761 | 1 | 16 | 1161 |
| GW 68 762 A | 1/2 | 32 | 1161 |
| GW 68 762 W | 1/2 | 32 | 1161 |
| GW 68 763 | 1 | 40 | 1160 |
| GW 68 764 | 1 | 21 | 1160 |
| GW 68 765 | 1 | 108 | 1160 |
| GW 68 766 | 1 | 72 | 1160 |
| GW 68 767 | 1 | 72 | 1160 |
| GW 68 768 | 1 | 72 | 1160 |

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| | Pack/carton | Pallet | |
| GW 68 769 | 1 | 72 | 1160 |
| GW 68 770 | 1 | 110 | 1152 |
| GW 68 770 | 1 | 110 | 1160 |
| GW 68 776 | 1/5 | 1560 | 1152 |
| GW 68 777 | 1 | 12 | 1148 |
| GW 68 778 | 1/5 | 1560 | 1152 |
| GW 68 779 | 1 | 12 | 1148 |
| GW 68 780 | 1 | 18 | 1154 |
| GW 68 780 | 1 | 18 | 1157 |
| GW 68 781 | 1 | 176 | 1152 |
| GW 68 782 | 1 | 16 | 1152 |
| GW 68 785 | 1 | 72 | 1004 |
| GW 68 785 | 1 | 72 | 1159 |
| GW 68 786 | 1 | 72 | 1004 |
| GW 68 786 | 1 | 72 | 1159 |
| GW 68 788 | 1 | 312 | 1151 |
| GW 68 789 | 1 | 312 | 1151 |
| GW 68 790 | 1 | 50 | 1151 |
| GW 68 791 | 1 | 50 | 1151 |
| GW 68 792 | 1 | 110 | 1151 |
| GW 68 793 | 1 | 110 | 1151 |
| GW 68 794 | 1 | 72 | 1151 |
| GW 68 795 | 1/10 | 1300 | 1161 |
| GW 68 796 | 1 | 70 | 1152 |
| GW 68 798 | 1 | 9 | 1148 |
| GW 68 799 | 1 | 312 | 1152 |
| GW 68 800 | 1 | 110 | 1151 |
| GW 68 801 A | 1 | 3 | 1153 |
| GW 68 801 W | 1 | 3 | 1153 |
| GW 68 802 A | 1 | 3 | 1153 |
| GW 68 802 W | 1 | 3 | 1153 |
| GW 68 803 A | 1 | 3 | 1153 |
| GW 68 803 W | 1 | 4 | 1153 |
| GW 68 831 A | 1 | 2 | 1155 |
| GW 68 831 W | 1 | 2 | 1155 |
| GW 68 832 A | 1 | 2 | 1155 |
| GW 68 832 W | 1 | 2 | 1155 |
| GW 68 833 A | 1 | 2 | 1155 |
| GW 68 833 W | 1 | 2 | 1155 |
| GW 68 841 A | 1 | 10 | 1142 |
| GW 68 841 W | 1 | 10 | 1142 |
| GW 68 842 A | 1 | 10 | 1142 |
| GW 68 842 W | 1 | 8 | 1142 |
| GW 68 846 A | 1 | 10 | 1142 |
| GW 68 846 W | 1 | 10 | 1142 |
| GW 68 847 A | 1 | 10 | 1142 |
| GW 68 847 W | 1 | 10 | 1142 |
| GW 68 851 A | 1 | 6 | 1143 |
| GW 68 851 W | 1 | 6 | 1143 |
| GW 68 852 A | 1 | 6 | 1143 |
| GW 68 852 W | 1 | 6 | 1143 |
| GW 68 855 G | 1 | 6 | 1143 |
| GW 68 855 G | 1 | 6 | 1180 |
| GW 68 856 A | 1 | 8 | 1143 |
| GW 68 856 W | 1 | 5 | 1143 |
| GW 68 857 A | 1 | 6 | 1144 |
| GW 68 857 W | 1 | 6 | 1144 |
| GW 68 858 A | 1 | 6 | 1144 |
| GW 68 858 W | 1 | 8 | 1144 |
| GW 68 867 A | 1 | 2 | 1156 |
| GW 68 867 W | 1 | 2 | 1156 |
| GW 68 868 A | 1 | 0 | 1156 |
| GW 68 868 W | 1 | 2 | 1156 |
| GW 68 869 A | 1 | 0 | 1156 |

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|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 68 869 W | 1 | 0 | 1156 |
| GW 68 874 A | 1 | 6 | 1145 |
| GW 68 874 W | 1 | 6 | 1145 |
| GW 68 875 A | 1 | 0 | 1145 |
| GW 68 875 W | 1 | 6 | 1145 |
| GW 68 876 A | 1 | 6 | 1145 |
| GW 68 876 W | 1 | 6 | 1145 |
| GW 68 877 A | 1 | 6 | 1145 |
| GW 68 877 W | 1 | 4 | 1145 |
| GW 68 878 A | 1 | 6 | 1145 |
| GW 68 878 W | 1 | 6 | 1145 |
| GW 68 881 A | 1 | 10 | 1122 |
| GW 68 883 A | 1 | 10 | 1122 |
| GW 68 884 A | 1 | 10 | 1122 |
| GW 68 901 | 1 | 6 | 1140 |
| GW 68 902 | 1 | 0 | 1140 |
| GW 68 903 | 1 | 5 | 1140 |
| GW 68 904 | 1 | 0 | 1140 |
| GW 68 905 | 1 | 6 | 1140 |
| GW 68 921 | 1 | 6 | 1141 |
| GW 68 923 | 1 | 16 | 1141 |
| GW 68 931 | 1 | 6 | 1141 |
| GW 68 990 | 1 | 48 | 1151 |
| GW 68 991 | 1 | 280 | 1149 |
| GW 68 991 | 1 | 280 | 1158 |
| GW 68 991 | 1 | 280 | 1176 |
| GW 68 992 | 1/10 | 3120 | 1149 |
| GW 68 992 | 1/10 | 3120 | 1158 |
| GW 68 992 | 1/10 | 3120 | 1176 |
| GW 68 994 | 1 | 110 | 1149 |
| GW 68 994 | 1 | 110 | 1158 |
| GW 68 994 | 1 | 110 | 1176 |
| GW 68 995 | 1 | 128 | 1149 |
| GW 68 995 | 1 | 128 | 1158 |
| GW 68 995 | 1 | 128 | 1177 |
| GW 68 998 ① | 1 | 0 | 1145 |

| GW70 | | | |
|-----------|------|------|------|
| GW 70 001 | 1/10 | 300 | 1196 |
| GW 70 002 | 1/10 | 300 | 1196 |
| GW 70 003 | 1/10 | 900 | 1196 |
| GW 70 004 | 1/10 | 400 | 1196 |
| GW 70 005 | 1/10 | 300 | 1196 |
| GW 70 006 | 1/10 | 900 | 1196 |
| GW 70 007 | 1/5 | 300 | 1196 |
| GW 70 008 | 1/5 | 250 | 1196 |
| GW 70 009 | 1/10 | 1440 | 1196 |
| GW 70 009 | 1/10 | 1440 | 1373 |
| GW 70 009 | 1/10 | 1440 | 1398 |
| GW 70 201 | 1/30 | 1200 | 1196 |
| GW 70 202 | 1/30 | 1200 | 1196 |
| GW 70 203 | 1/30 | 1200 | 1196 |
| GW 70 204 | 1/24 | 960 | 1196 |
| GW 70 205 | 1/24 | 960 | 1196 |
| GW 70 206 | 1/24 | 864 | 1196 |
| GW 70 207 | 1/12 | 504 | 1196 |
| GW 70 208 | 1/12 | 504 | 1196 |
| GW 70 401 | 1/16 | 768 | 1193 |
| GW 70 402 | 1/16 | 768 | 1193 |
| GW 70 403 | 1/16 | 864 | 1193 |
| GW 70 404 | 1/16 | 256 | 1193 |
| GW 70 405 | 1/16 | 768 | 1193 |
| GW 70 406 | 1/16 | 864 | 1193 |
| GW 70 407 | 1/6 | 108 | 1193 |
| GW 70 408 | 1/6 | 252 | 1193 |

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| | Pack/carton | Pallet | |
| GW 70 409 | 1/20 | 1440 | 1197 |
| GW 70 410 | 1/18 | 756 | 1197 |
| GW 70 413 | 1/16 | 288 | 1193 |
| GW 70 414 | 1/16 | 288 | 1193 |
| GW 70 415 | 1/16 | 288 | 1193 |
| GW 70 431 | 1/16 | 768 | 1193 |
| GW 70 432 | 1/16 | 768 | 1193 |
| GW 70 433 | 1/16 | 768 | 1193 |
| GW 70 434 | 1/16 | 768 | 1193 |
| GW 70 435 | 1/16 | 768 | 1193 |
| GW 70 436 | 1/16 | 768 | 1193 |
| GW 70 437 | 1/6 | 252 | 1193 |
| GW 70 438 | 1/6 | 252 | 1193 |
| GW 70 441 | 1/16 | 768 | 1193 |
| GW 70 442 | 1/16 | 864 | 1193 |
| GW 70 443 | 1/16 | 864 | 1193 |
| GW 70 451 | 1 | 72 | 1197 |
| GW 70 452 | 1 | 72 | 1197 |
| GW 70 453 | 1 | 72 | 1197 |
| GW 70 454 | 1 | 72 | 1197 |
| GW 70 455 | 1 | 72 | 1197 |
| GW 70 456 | 1 | 72 | 1197 |
| GW 70 457 | 1 | 72 | 1197 |
| GW 70 458 | 1 | 72 | 1197 |
| GW 70 459 | 1 | 36 | 1197 |
| GW 70 460 | 1 | 36 | 1197 |
| GW 70 471 | 1 | 72 | 1197 |
| GW 70 472 | 1 | 72 | 1197 |
| GW 70 473 | 1 | 72 | 1197 |
| GW 70 474 | 1 | 72 | 1197 |
| GW 70 475 | 1 | 72 | 1197 |
| GW 70 476 | 1 | 72 | 1197 |
| GW 70 477 | 1 | 72 | 1197 |
| GW 70 478 | 1 | 72 | 1197 |
| GW 70 479 | 1 | 36 | 1197 |
| GW 70 480 | 1 | 36 | 1197 |
| GW 70 531 | 1 | 128 | 1194 |
| GW 70 532 | 1 | 156 | 1194 |
| GW 70 533 | 1 | 128 | 1194 |
| GW 70 534 | 1 | 128 | 1194 |
| GW 70 535 | 1 | 128 | 1194 |
| GW 70 536 | 1 | 128 | 1194 |
| GW 70 537 | 1 | 156 | 1194 |
| GW 70 538 | 1 | 156 | 1194 |
| GW 70 539 | 1 | 128 | 1194 |
| GW 70 540 | 1 | 72 | 1194 |
| GW 70 541 | 1 | 28 | 1194 |
| GW 70 542 | 1 | 28 | 1194 |
| GW 70 543 | 1 | 28 | 1194 |
| GW 70 544 | 1 | 48 | 1194 |
| GW 70 545 | 1 | 28 | 1194 |
| GW 70 546 | 1 | 10 | 1194 |
| GW 70 547 | 1 | 20 | 1194 |
| GW 70 548 | 1 | 20 | 1194 |
| GW 70 549 | 1 | 20 | 1194 |
| GW 70 561 | 1 | 128 | 1195 |
| GW 70 562 | 1 | 128 | 1195 |
| GW 70 563 | 1 | 128 | 1195 |
| GW 70 564 | 1 | 128 | 1195 |
| GW 70 565 | 1 | 156 | 1195 |
| GW 70 566 | 1 | 156 | 1195 |
| GW 70 567 | 1 | 128 | 1195 |
| GW 70 568 | 1 | 128 | 1195 |
| GW 70 569 | 1 | 156 | 1195 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 70 570 | 1 | 36 | 1195 |
| GW 70 571 | 1 | 28 | 1195 |
| GW 70 572 | 1 | 36 | 1195 |
| GW 70 573 | 1 | 72 | 1195 |
| GW 70 574 | 1 | 36 | 1195 |
| GW 70 575 | 1 | 72 | 1195 |
| GW 70 576 | 1 | 20 | 1195 |
| GW 70 577 | 1 | 20 | 1195 |
| GW 70 578 | 1 | 20 | 1195 |
| GW 70 579 | 1 | 20 | 1195 |

| GW72 | | | |
|-----------|--------|-------|------|
| GW 72 001 | 10/100 | 5000 | 1075 |
| GW 72 003 | 10/100 | 12500 | 1075 |
| GW 72 005 | 10/100 | 12500 | 1075 |
| GW 72 013 | 10/100 | 10000 | 1075 |
| GW 72 015 | 10/100 | 10000 | 1075 |
| GW 72 021 | 10/50 | 5000 | 1075 |
| GW 72 023 | 10/50 | 5000 | 1075 |
| GW 72 065 | 5/20 | 2000 | 1075 |
| GW 72 092 | 5/20 | 2000 | 1075 |
| GW 72 095 | 5/20 | 2000 | 1075 |
| GW 72 101 | 10/100 | 10000 | 716 |
| GW 72 101 | 10/100 | 10000 | 1075 |
| GW 72 103 | 10/30 | 3000 | 716 |
| GW 72 103 | 10/30 | 3000 | 1075 |
| GW 72 104 | 10/100 | 10000 | 716 |
| GW 72 104 | 10/100 | 10000 | 1075 |
| GW 72 105 | 10/100 | 10000 | 716 |
| GW 72 105 | 10/100 | 10000 | 1075 |
| GW 72 107 | 10/100 | 10000 | 716 |
| GW 72 108 | 10/100 | 10000 | 716 |
| GW 72 109 | 10/100 | 10000 | 716 |
| GW 72 110 | 10/100 | 10000 | 716 |
| GW 72 110 | 10/100 | 10000 | 1075 |
| GW 72 111 | 10/100 | 19500 | 716 |
| GW 72 112 | 10/100 | 19500 | 716 |
| GW 72 113 | 10/100 | 19500 | 716 |
| GW 72 114 | 10/100 | 19500 | 716 |
| GW 72 115 | 10/100 | 19500 | 716 |
| GW 72 116 | 10/100 | 19500 | 716 |
| GW 72 117 | 10/100 | 19500 | 716 |
| GW 72 121 | 10/100 | 19500 | 716 |
| GW 72 122 | 10/100 | 19500 | 716 |
| GW 72 122 | 10/100 | 19500 | 1075 |
| GW 72 123 | 10/100 | 19500 | 716 |
| GW 72 124 | 10/100 | 4000 | 716 |
| GW 72 131 | 10 | 32000 | 717 |
| GW 72 131 | 10 | 32000 | 747 |
| GW 72 132 | 10 | 32000 | 717 |
| GW 72 132 | 10 | 32000 | 747 |
| GW 72 133 | 10 | 32000 | 717 |
| GW 72 133 | 10 | 32000 | 747 |
| GW 72 134 | 10 | 32000 | 717 |
| GW 72 134 | 10 | 32000 | 747 |
| GW 72 135 | 10 | 32000 | 717 |
| GW 72 135 | 10 | 32000 | 747 |
| GW 72 136 | 10 | 32000 | 717 |
| GW 72 136 | 10 | 32000 | 747 |

| GW74 | | | |
|-----------|-------|------|------|
| GW 74 201 | 10/60 | 7680 | 1296 |
| GW 74 202 | 10/60 | 3840 | 1296 |
| GW 74 232 | 1 | 76 | 1209 |
| GW 74 233 | 1 | 38 | 1209 |

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| | Pack/carton | Pallet | |
| GW 74 301 | 10/60 | 1320 | 1203 |
| GW 74 302 | 10/60 | 1320 | 1203 |
| GW 74 303 | 10/60 | 1320 | 1203 |
| GW 74 304 | 10/60 | 1320 | 1203 |
| GW 74 305 | 10/60 | 1320 | 1203 |
| GW 74 306 | 10/60 | 1320 | 1203 |
| GW 74 311 | 10/60 | 1320 | 1203 |
| GW 74 312 | 10/60 | 1320 | 1203 |
| GW 74 313 | 10/60 | 1320 | 1203 |
| GW 74 314 | 10/60 | 1320 | 1203 |
| GW 74 315 | 10/60 | 1320 | 1203 |
| GW 74 316 | 10/60 | 1320 | 1203 |
| GW 74 341 | 10/60 | 1320 | 1203 |
| GW 74 342 | 10/60 | 1320 | 1203 |
| GW 74 343 | 10/60 | 1320 | 1203 |
| GW 74 344 | 10/60 | 1320 | 1203 |
| GW 74 345 | 10/60 | 1320 | 1203 |
| GW 74 361 | 10/60 | 2640 | 1096 |
| GW 74 361 | 10/60 | 2640 | 1204 |
| GW 74 362 | 10/60 | 1320 | 1204 |
| GW 74 363 | 10/60 | 1320 | 1204 |
| GW 74 364 | 10/60 | 1320 | 1204 |
| GW 74 365 | 10/60 | 1320 | 1204 |
| GW 74 366 | 10/60 | 1320 | 1204 |
| GW 74 367 | 10/60 | 1320 | 1204 |
| GW 74 401 | 10/60 | 1320 | 1204 |
| GW 74 402 | 10/60 | 1320 | 1204 |
| GW 74 411 | 10/60 | 1320 | 1204 |
| GW 74 412 | 10/60 | 1320 | 1204 |
| GW 74 421 | 10/60 | 1320 | 1205 |
| GW 74 422 | 10/60 | 1320 | 1205 |
| GW 74 451 | 10/60 | 1320 | 1205 |
| GW 74 452 | 10/60 | 1320 | 1205 |
| GW 74 453 | 10/60 | 1320 | 1205 |
| GW 74 454 | 10/60 | 1320 | 1205 |
| GW 74 455 | 10/60 | 1320 | 1205 |
| GW 74 501 | 1/30 | 13500 | 1096 |
| GW 74 501 | 1/30 | 13500 | 1206 |
| GW 74 501 | 1/30 | 13500 | 1209 |
| GW 74 502 | 1/30 | 13500 | 1096 |
| GW 74 502 | 1/30 | 13500 | 1206 |
| GW 74 502 | 1/30 | 13500 | 1209 |
| GW 74 502 | 1/30 | 13500 | 1209 |
| GW 74 503 | 1/30 | 9000 | 1096 |
| GW 74 503 | 1/30 | 9000 | 1206 |
| GW 74 504 | 1/30 | 9000 | 1096 |
| GW 74 504 | 1/30 | 9000 | 1206 |
| GW 74 505 | 1/30 | 9000 | 1096 |
| GW 74 505 | 1/30 | 9000 | 1206 |
| GW 74 511 | 1/30 | 13500 | 1206 |
| GW 74 515 | 10/100 | 30000 | 1206 |
| GW 74 516 | 10/100 | 30000 | 1206 |
| GW 74 517 | 10/100 | 30000 | 1206 |
| GW 74 518 | 10/100 | 30000 | 1206 |
| GW 74 521 | 10/100 | 13000 | 1206 |
| GW 74 522 | 5/100 | 1600 | 1207 |
| GW 74 523 | 10/100 | 13000 | 1207 |
| GW 74 524 | 10/100 | 1200 | 1207 |
| GW 74 525 | 10/100 | 13000 | 1207 |

| GW76 | | | |
|-----------|------|------|------|
| GW 76 261 | 1/40 | 1680 | 1320 |
| GW 76 262 | 1/32 | 1344 | 1320 |
| GW 76 263 | 1/24 | 720 | 1320 |
| GW 76 264 | 1/16 | 384 | 1320 |
| GW 76 265 | 1/8 | 224 | 1320 |

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| | Pack/carton | Pallet | |
| GW 76 266 | 1/4 | 120 | 1320 |
| GW 76 267 | 1 | 60 | 1320 |
| GW 76 272 | 1/10 | 1950 | 1321 |
| GW 76 273 | 1/10 | 1600 | 1321 |
| GW 76 274 | 1/10 | 1200 | 1321 |
| GW 76 275 | 1/5 | 720 | 1321 |
| GW 76 276 | 1/5 | 720 | 1321 |
| GW 76 277 | 1/5 | 360 | 1321 |
| GW 76 281 | 1/40 | 1680 | 1320 |
| GW 76 282 | 1/32 | 1344 | 1320 |
| GW 76 283 | 1/24 | 720 | 1320 |
| GW 76 284 | 1/16 | 384 | 1320 |
| GW 76 285 | 1/8 | 224 | 1320 |
| GW 76 286 | 1/4 | 120 | 1320 |
| GW 76 287 | 1 | 42 | 1320 |
| GW 76 291 | 1/40 | 1680 | 1321 |
| GW 76 292 | 1/32 | 1152 | 1321 |
| GW 76 293 | 1/24 | 720 | 1321 |
| GW 76 294 | 1/16 | 192 | 1321 |
| GW 76 295 | 1/8 | 224 | 1321 |
| GW 76 296 | 1/4 | 120 | 1321 |
| GW 76 297 | 1 | 60 | 1321 |
| GW 76 825 | 10/100 | 4800 | 1498 |
| GW 76 826 | 10/100 | 4800 | 1498 |
| GW 76 827 | 10/100 | 7200 | 1498 |
| GW 76 828 | 5/50 | 2400 | 1498 |
| GW 76 829 | 5/50 | 3600 | 1498 |
| GW 76 830 | 5/50 | 2400 | 1498 |
| GW 76 831 | 10/100 | 7200 | 1498 |
| GW 76 832 | 10/100 | 9000 | 1498 |
| GW 76 833 | 5/50 | 6000 | 1498 |
| GW 76 834 | 5/50 | 3600 | 1498 |
| GW 76 835 | 2/10 | 1200 | 1498 |
| GW 76 841 | 1/50 | 6000 | 1498 |
| GW 76 842 | 1/50 | 6000 | 1498 |
| GW 76 843 | 1/50 | 6000 | 1498 |
| GW 76 844 | 1/50 | 3600 | 1498 |
| GW 76 845 | 1/10 | 2500 | 1498 |
| GW 76 846 | 1/10 | 960 | 1498 |
| GW 76 847 | 1/10 | 720 | 1498 |
| GW 76 848 | 1/50 | 12500 | 1498 |
| GW 76 849 | 1/50 | 4800 | 1498 |
| GW 76 850 | 1/10 | 3850 | 1498 |
| GW 76 851 | 1/10 | 2500 | 1498 |
| GW 76 852 | 1/10 | 720 | 1498 |
| GW 76 865 | 10/100 | 11000 | 1498 |
| GW 76 866 | 10/100 | 0 | 1498 |
| GW 76 867 | 10/100 | 12000 | 1498 |
| GW 76 868 | 5/50 | 13200 | 1498 |
| GW 76 869 | 5/50 | 1800 | 1498 |
| GW 76 870 | 10/100 | 4400 | 1498 |
| GW 76 871 | 10/100 | 4400 | 1498 |
| GW 76 872 | 5/50 | 2200 | 1498 |
| GW 76 873 | 5/50 | 2200 | 1498 |
| GW 76 894 | 50/250 | 2000 | 1498 |
| GW 76 895 | 5/40 | 360 | 1498 |
| GW 76 896 | 10/100 | 4800 | 1498 |
| GW 76 897 | 2/10 | 1440 | 1498 |
| GW 76 901 | 10/100 | 8700 | 1500 |
| GW 76 902 | 10/100 | 8700 | 1500 |
| GW 76 903 | 10/100 | 7800 | 1500 |
| GW 76 904 | 10/100 | 7800 | 1500 |
| GW 76 905 | 10/100 | 7800 | 1500 |
| GW 76 906 | 5/50 | 3900 | 1500 |

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| | Pack/carton | Pallet | |
| GW 76 907 | 5/50 | 3200 | 1500 |
| GW 76 908 | 5/50 | 1500 | 1500 |
| GW 76 909 | 2/10 | 580 | 1500 |
| GW 76 910 | 2/10 | 780 | 1500 |
| GW 76 921 | 10/100 | 8700 | 1500 |
| GW 76 922 | 10/100 | 8700 | 1500 |
| GW 76 923 | 10/100 | 7800 | 1500 |
| GW 76 924 | 10/100 | 3000 | 1500 |
| GW 76 925 | 5/50 | 400 | 1500 |
| GW 76 926 | 5/50 | 1500 | 1500 |
| GW 76 927 | 2/10 | 580 | 1500 |
| GW 76 928 | 2/10 | 200 | 1500 |
| GW 76 941 | 25/100 | 19500 | 1500 |
| GW 76 942 | 25/100 | 19500 | 1500 |
| GW 76 943 | 10/50 | 3900 | 1500 |
| GW 76 949 | 25/100 | 19500 | 1500 |
| GW 76 950 | 10/50 | 1000 | 1500 |
| GW 76 951 | 25/100 | 21600 | 1499 |
| GW 76 951 | 25/100 | 21600 | 1500 |
| GW 76 952 | 25/100 | 19500 | 1499 |
| GW 76 952 | 25/100 | 19500 | 1500 |
| GW 76 953 | 25/100 | 19500 | 1499 |
| GW 76 953 | 25/100 | 19500 | 1500 |
| GW 76 954 | 25/100 | 19500 | 1499 |
| GW 76 954 | 25/100 | 19500 | 1500 |
| GW 76 955 | 10/50 | 9750 | 1499 |
| GW 76 955 | 10/50 | 9750 | 1500 |
| GW 76 956 | 10/50 | 9750 | 1499 |
| GW 76 956 | 10/50 | 9750 | 1500 |
| GW 76 957 | 25/100 | 19500 | 1499 |
| GW 76 957 | 25/100 | 19500 | 1500 |
| GW 76 958 | 25/100 | 19500 | 1499 |
| GW 76 958 | 25/100 | 19500 | 1500 |
| GW 76 959 | 25/100 | 19500 | 1499 |
| GW 76 959 | 25/100 | 19500 | 1500 |
| GW 76 960 | 25/100 | 19500 | 1499 |
| GW 76 960 | 25/100 | 19500 | 1500 |
| GW 76 961 | 25/100 | 19500 | 1499 |
| GW 76 961 | 25/100 | 19500 | 1500 |
| GW 76 962 | 10/50 | 6000 | 1499 |
| GW 76 962 | 10/50 | 6000 | 1500 |
| GW 76 963 | 10/50 | 3600 | 1499 |
| GW 76 963 | 10/50 | 3600 | 1500 |
| GW 76 966 | 100/500 | 0 | 1499 |
| GW 76 967 | 25/125 | 2250 | 1499 |
| GW 76 972 | 100/400 | 28800 | 1499 |
| GW 76 973 | 100/300 | 21600 | 1499 |
| GW 76 974 | 10/100 | 3000 | 1499 |
| GW 76 975 | 10/100 | 6600 | 1499 |
| GW 76 976 | 10/100 | 11000 | 1499 |
| GW 76 977 | 10/100 | 6600 | 1499 |
| GW 76 978 | 5/50 | 3300 | 1499 |
| GW 76 979 | 5/50 | 3300 | 1499 |
| GW 76 980 | 10/100 | 21600 | 1499 |
| GW 76 981 | 10/100 | 21600 | 1499 |
| GW 76 982 | 10/100 | 6600 | 1499 |
| GW 76 983 | 10/100 | 6600 | 1499 |
| GW 76 984 | 5/50 | 3300 | 1499 |
| GW 76 985 | 5/50 | 3300 | 1499 |
| GW 76 986 | 5/50 | 3300 | 1499 |
| GW80 | | | |
| GW 80 401 | 12 | 480 | 1127 |
| GW 80 402 | 12 | 240 | 1127 |

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| | Pack/carton | Pallet | |
| GW 80 403 | 12 | 480 | 1127 |
| GW 80 404 | 12 | 240 | 1127 |
| GW 80 409 | 36 | 900 | 1127 |
| GW 80 410 | 36 | 576 | 1127 |
| GW 80 411 | 36 | 576 | 1127 |
| GW 80 412 | 36 | 144 | 1127 |
| GW81 | | | |
| GW 81 691 | 1/24 | 384 | 544 |
| GW 81 692 | 1/24 | 384 | 544 |
| GW 81 693 | 1/24 | 384 | 544 |
| GW 81 694 | 1/24 | 384 | 544 |
| GW 81 701 | 1/4 | 64 | 544 |
| GW 81 702 | 1/4 | 64 | 544 |
| GW 81 703 | 1/4 | 64 | 544 |
| GW 81 704 | 1/4 | 64 | 544 |
| GW 81 711 | 1/4 | 64 | 544 |
| GW 81 712 | 1/4 | 64 | 544 |
| GW 81 721 | 1/4 | 24 | 545 |
| GW 81 722 | 1/4 | 24 | 545 |
| GW 81 723 | 1/4 | 24 | 545 |
| GW 81 724 | 1/4 | 24 | 545 |
| GW84 | | | |
| GW 84 204 | 1 | 50 | 1126 |
| GW 84 205 | 1 | 28 | 1126 |
| GW 84 220 | 1 | 24 | 1126 |
| GW88 | | | |
| GW 88 202 | 1/5 | 360 | 1126 |
| GW 88 223 | 1/5 | 480 | 1126 |
| GW90 | | | |
| GW 90 005 | 6/24 | 1536 | 660 |
| GW 90 006 | 6/24 | 1536 | 660 |
| GW 90 007 | 6/24 | 1536 | 660 |
| GW 90 008 | 6/24 | 1536 | 660 |
| GW 90 009 | 6/24 | 1536 | 660 |
| GW 90 010 | 6/24 | 1536 | 660 |
| GW 90 011 | 6/24 | 0 | 660 |
| GW 90 022 | 6/24 | 1536 | 660 |
| GW 90 025 | 6/24 | 3840 | 660 |
| GW 90 026 | 6/24 | 3840 | 660 |
| GW 90 027 | 6/24 | 3840 | 660 |
| GW 90 028 | 6/24 | 3840 | 660 |
| GW 90 029 | 6/24 | 3840 | 660 |
| GW 90 030 | 6/24 | 2304 | 660 |
| GW 90 031 | 6/24 | 1536 | 660 |
| GW 90 045 | 6/24 | 2304 | 660 |
| GW 90 046 | 6/24 | 3840 | 660 |
| GW 90 047 | 6/24 | 3840 | 660 |
| GW 90 048 | 6/24 | 1536 | 660 |
| GW 90 049 | 6/24 | 1536 | 660 |
| GW 90 050 | 6/24 | 1536 | 660 |
| GW 90 051 | 6/24 | 1536 | 660 |
| GW 90 065 | 3/12 | 768 | 660 |
| GW 90 066 | 3/12 | 768 | 660 |
| GW 90 067 | 3/12 | 768 | 660 |
| GW 90 068 | 3/12 | 768 | 660 |
| GW 90 069 | 3/12 | 768 | 660 |
| GW 90 070 | 3/12 | 768 | 660 |
| GW 90 071 | 3/12 | 768 | 660 |
| GW 90 085 | 3/12 | 768 | 661 |
| GW 90 086 | 3/12 | 768 | 661 |
| GW 90 087 | 3/12 | 768 | 661 |

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| | Pack/carton | Pallet | |
| GW 90 088 | 3/12 | 768 | 661 |
| GW 90 089 | 3/12 | 768 | 661 |
| GW 90 090 | 3/12 | 768 | 661 |
| GW 90 091 | 3/12 | 0 | 661 |
| GW 90 225 | 6/24 | 2304 | 661 |
| GW 90 226 | 6/24 | 3840 | 661 |
| GW 90 227 | 6/24 | 3840 | 661 |
| GW 90 228 | 6/24 | 2304 | 661 |
| GW 90 229 | 6/24 | 2304 | 661 |
| GW 90 230 | 6/24 | 1536 | 661 |
| GW 90 231 | 6/24 | 1536 | 661 |
| GW 90 245 | 6/24 | 2304 | 661 |
| GW 90 246 | 6/24 | 3840 | 661 |
| GW 90 247 | 6/24 | 3840 | 661 |
| GW 90 248 | 6/24 | 1536 | 661 |
| GW 90 249 | 6/24 | 1536 | 661 |
| GW 90 250 | 6/24 | 1536 | 661 |
| GW 90 251 | 6/24 | 1536 | 661 |
| GW 90 265 | 3/12 | 768 | 661 |
| GW 90 266 | 3/12 | 768 | 661 |
| GW 90 267 | 3/12 | 1152 | 661 |
| GW 90 268 | 3/12 | 384 | 661 |
| GW 90 269 | 3/12 | 768 | 661 |
| GW 90 270 | 3/12 | 768 | 661 |
| GW 90 271 | 3/12 | 768 | 661 |
| GW 90 285 | 3/12 | 768 | 661 |
| GW 90 286 | 3/12 | 768 | 661 |
| GW 90 287 | 3/12 | 1152 | 661 |
| GW 90 288 | 3/12 | 768 | 661 |
| GW 90 289 | 3/12 | 768 | 661 |
| GW 90 290 | 3/12 | 1152 | 661 |
| GW 90 291 | 3/12 | 768 | 661 |
| GW 90 325 | 6/24 | 1536 | 662 |
| GW 90 326 | 6/24 | 1536 | 662 |
| GW 90 327 | 6/24 | 1536 | 662 |
| GW 90 328 | 6/24 | 3840 | 662 |
| GW 90 329 | 6/24 | 1536 | 662 |
| GW 90 330 | 6/24 | 1536 | 662 |
| GW 90 331 | 6/24 | 1536 | 662 |
| GW 90 345 | 6/24 | 0 | 662 |
| GW 90 346 | 6/24 | 0 | 662 |
| GW 90 347 | 6/24 | 0 | 662 |
| GW 90 348 | 6/24 | 1536 | 662 |
| GW 90 349 | 6/24 | 1152 | 662 |
| GW 90 350 | 6/24 | 1536 | 662 |
| GW 90 351 | 6/24 | 1536 | 662 |
| GW 90 425 | 6/24 | 1536 | 662 |
| GW 90 426 | 6/24 | 1536 | 662 |
| GW 90 427 | 6/24 | 1536 | 662 |
| GW 90 428 | 6/24 | 1536 | 662 |
| GW 90 429 | 6/24 | 1536 | 662 |
| GW 90 430 | 6/24 | 1536 | 662 |
| GW 90 431 | 6/24 | 864 | 662 |
| GW 90 445 | 6/24 | 1536 | 662 |
| GW 90 446 | 6/24 | 2304 | 662 |
| GW 90 447 | 6/24 | 1536 | 662 |
| GW 90 448 | 6/24 | 1536 | 662 |
| GW 90 449 | 6/24 | 1536 | 662 |
| GW 90 450 | 6/24 | 1536 | 662 |
| GW 90 451 | 6/24 | 1536 | 662 |
| GW 90 582 | 100 | 8400 | 509 |
| GW 90 582 | 100 | 8400 | 547 |
| GW 90 583 | 100 | 11000 | 509 |
| GW 90 583 | 100 | 11000 | 547 |

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| | Pack/carton | Pallet | |
| GW 90 602 | 6/24 | 2304 | 660 |
| GW 90 605 | 6/24 | 2304 | 660 |
| GW 90 606 | 6/24 | 3840 | 660 |
| GW 90 607 | 6/24 | 3840 | 660 |
| GW 90 608 | 6/24 | 3840 | 660 |
| GW 90 609 | 6/24 | 1536 | 660 |
| GW 90 610 | 6/24 | 3840 | 660 |
| GW 90 706 B | 1 | 280 | 491 |
| GW 90 706 B | 1 | 280 | 516 |
| GW 90 706 S | 1 | 280 | 492 |
| GW 90 706 S | 1 | 280 | 517 |
| GW 90 708 A | 1/4 | 120 | 491 |
| GW 90 708 A | 1/4 | 120 | 516 |
| GW 90 709 | 1 | 192 | 491 |
| GW 90 709 | 1 | 192 | 516 |
| GW 90 710 | 1 | 192 | 491 |
| GW 90 710 | 1 | 192 | 516 |
| GW 90 721 A | 1 | 1248 | 523 |
| GW 90 727 | 1 | 1120 | 523 |
| GW 90 728 | 1 | 168 | 523 |
| GW 90 729 | 1 | 168 | 523 |
| GW 90 730 | 1 | 280 | 533 |
| GW 90 740 A | 1 | 234 | 531 |
| GW 90 741 | 1 | 224 | 531 |
| GW 90 742 | 1 | 192 | 531 |
| GW 90 764 | 1 | 224 | 534 |
| GW 90 765 | 1 | 192 | 534 |
| GW 90 766 | 1/4 | 168 | 504 |
| GW 90 766 | 1/4 | 168 | 535 |
| GW 90 769 | 1 | 36 | 501 |
| GW 90 770 | 1 | 195 | 501 |
| GW 90 782 | 1 | 156 | 529 |
| GW 90 787 | 1 | 60 | 529 |
| GW 90 797 A | 1 | 351 | 543 |
| GW 90 800 | 1 | 40 | 542 |
| GW 90 802 | 1 | 228 | 519 |
| GW 90 802 | 1 | 228 | 569 |
| GW 90 807 | 50 | 7800 | 509 |
| GW 90 807 | 50 | 7800 | 547 |
| GW 90 808 | 50 | 7800 | 509 |
| GW 90 808 | 50 | 7800 | 547 |
| GW 90 833 | 1 | 1120 | 496 |
| GW 90 834 A | 1 | 780 | 496 |
| GW 90 835 B | 1 | 192 | 502 |
| GW 90 836 B | 1 | 192 | 502 |
| GW 90 851 | 1 | 224 | 503 |
| GW 90 852 | 1 | 224 | 503 |
| GW 90 854 | 1 | 192 | 504 |
| GW 90 855 | 1 | 128 | 504 |
| GW 90 856 | 1 | 224 | 532 |
| GW 90 857 | 1 | 224 | 532 |
| GW 90 871 | 1 | 156 | 546 |
| GW 90 872 A | 1/4 | 168 | 546 |
| GW 90 876 | 1/5 | 960 | 508 |
| GW 90 876 | 1/5 | 960 | 539 |
| GW 90 876 | 1/5 | 960 | 736 |
| GW 90 881 | 1 | 40 | 542 |
| GW 90 882 | 1 | 40 | 542 |
| GW 90 883 | 1 | 48 | 542 |
| GW 90 884 | 1 | 80 | 543 |
| GW 90 885 | 1 | 195 | 543 |
| GW 90 893 | 1/4 | 220 | 648 |
| GW 90 896 | 1/4 | 168 | 648 |
| GW 90 901 N | 1/4 | 216 | 642 |

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| | Pack/carton | Pallet | |
| GW 90 902 N | 1/4 | 216 | 642 |
| GW 90 911 | 1/4 | 132 | 642 |
| GW 90 912 | 1/4 | 0 | 642 |
| GW 90 913 | 1/4 | 132 | 642 |
| GW 90 921 | 1/2 | 160 | 643 |
| GW 90 922 | 1/2 | 160 | 643 |
| GW 90 923 | 1/2 | 160 | 643 |
| GW 90 927 | 1/2 | 96 | 643 |
| GW 90 928 | 1/2 | 160 | 643 |
| GW 90 929 | 1/2 | 96 | 643 |
| GW 90 953 ② | 1/4 | 0 | 649 |
| GW 90 967 | 1/4 | 220 | 645 |
| GW 90 969 | 1/4 | 184 | 645 |
| GW 90 986 | 1/4 | 216 | 647 |
| GW 90 988 | 1/4 | 108 | 647 |
| GW 90 992 | 1 | 280 | 649 |

| GW92 | | | |
|-----------|------|------|-----|
| GW 92 001 | 6/24 | 1536 | 665 |
| GW 92 002 | 6/24 | 2304 | 665 |
| GW 92 003 | 6/24 | 1536 | 665 |
| GW 92 004 | 6/24 | 2304 | 665 |
| GW 92 005 | 6/24 | 3840 | 665 |
| GW 92 006 | 6/24 | 3840 | 665 |
| GW 92 007 | 6/24 | 3840 | 665 |
| GW 92 008 | 6/24 | 3840 | 665 |
| GW 92 009 | 6/24 | 3840 | 665 |
| GW 92 010 | 6/24 | 3840 | 665 |
| GW 92 011 | 6/24 | 3840 | 665 |
| GW 92 012 | 6/24 | 3840 | 665 |
| GW 92 013 | 6/24 | 3840 | 665 |
| GW 92 014 | 6/24 | 1536 | 665 |
| GW 92 021 | 3/12 | 768 | 665 |
| GW 92 022 | 3/12 | 768 | 665 |
| GW 92 023 | 3/12 | 768 | 665 |
| GW 92 024 | 3/12 | 768 | 665 |
| GW 92 025 | 3/12 | 1152 | 665 |
| GW 92 026 | 3/12 | 1920 | 665 |
| GW 92 027 | 3/12 | 1920 | 665 |
| GW 92 028 | 3/12 | 1920 | 665 |
| GW 92 029 | 3/12 | 1920 | 665 |
| GW 92 030 | 3/12 | 1920 | 665 |
| GW 92 031 | 3/12 | 1920 | 665 |
| GW 92 032 | 3/12 | 1920 | 665 |
| GW 92 033 | 3/12 | 1920 | 665 |
| GW 92 034 | 3/12 | 768 | 665 |
| GW 92 041 | 3/12 | 768 | 665 |
| GW 92 042 | 3/12 | 768 | 665 |
| GW 92 043 | 3/12 | 768 | 665 |
| GW 92 044 | 3/12 | 768 | 665 |
| GW 92 045 | 3/12 | 1152 | 665 |
| GW 92 046 | 3/12 | 1920 | 665 |
| GW 92 047 | 3/12 | 1920 | 665 |
| GW 92 048 | 3/12 | 1920 | 665 |
| GW 92 049 | 3/12 | 1920 | 665 |
| GW 92 050 | 3/12 | 1920 | 665 |
| GW 92 051 | 3/12 | 1152 | 665 |
| GW 92 052 | 3/12 | 1920 | 665 |
| GW 92 053 | 3/12 | 1920 | 665 |
| GW 92 054 | 3/12 | 768 | 665 |
| GW 92 061 | 2/8 | 512 | 665 |
| GW 92 062 | 2/8 | 512 | 665 |
| GW 92 063 | 2/8 | 512 | 665 |
| GW 92 064 | 2/8 | 512 | 665 |

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| | Pack/carton | Pallet | |
| GW 92 065 | 2/8 | 512 | 665 |
| GW 92 066 | 2/8 | 1280 | 665 |
| GW 92 067 | 2/8 | 1280 | 665 |
| GW 92 068 | 2/8 | 1280 | 665 |
| GW 92 069 | 2/8 | 1280 | 665 |
| GW 92 070 | 2/8 | 1280 | 665 |
| GW 92 071 | 2/8 | 1280 | 665 |
| GW 92 072 | 2/8 | 1280 | 665 |
| GW 92 074 | 2/8 | 512 | 665 |
| GW 92 081 | 1/3 | 348 | 666 |
| GW 92 082 | 1/3 | 348 | 666 |
| GW 92 083 | 1/3 | 348 | 666 |
| GW 92 084 | 1/3 | 348 | 666 |
| GW 92 085 | 1/3 | 261 | 666 |
| GW 92 086 | 1/3 | 609 | 666 |
| GW 92 087 | 1/3 | 960 | 666 |
| GW 92 088 | 1/3 | 960 | 666 |
| GW 92 089 | 1/3 | 912 | 666 |
| GW 92 090 | 1/3 | 960 | 666 |
| GW 92 091 | 1/3 | 960 | 666 |
| GW 92 092 | 1/3 | 912 | 666 |
| GW 92 093 | 1/3 | 960 | 666 |
| GW 92 094 | 1/3 | 348 | 666 |
| GW 92 105 | 6/24 | 2304 | 663 |
| GW 92 106 | 6/24 | 3840 | 663 |
| GW 92 107 | 6/24 | 1536 | 663 |
| GW 92 108 | 6/24 | 3840 | 663 |
| GW 92 109 | 6/24 | 3840 | 663 |
| GW 92 110 | 6/24 | 3840 | 663 |
| GW 92 111 | 6/24 | 3840 | 663 |
| GW 92 112 | 6/24 | 3840 | 663 |
| GW 92 125 | 3/12 | 768 | 663 |
| GW 92 126 | 3/12 | 1920 | 663 |
| GW 92 127 | 3/12 | 768 | 663 |
| GW 92 128 | 3/12 | 1920 | 663 |
| GW 92 129 | 3/12 | 768 | 663 |
| GW 92 130 | 3/12 | 768 | 663 |
| GW 92 131 | 3/12 | 768 | 663 |
| GW 92 132 | 3/12 | 768 | 663 |
| GW 92 145 | 3/12 | 768 | 663 |
| GW 92 146 | 3/12 | 768 | 663 |
| GW 92 147 | 3/12 | 768 | 663 |
| GW 92 148 | 3/12 | 768 | 663 |
| GW 92 149 | 3/12 | 768 | 663 |
| GW 92 150 | 3/12 | 768 | 663 |
| GW 92 151 | 3/12 | 768 | 663 |
| GW 92 152 | 3/12 | 768 | 663 |
| GW 92 165 | 2/8 | 512 | 663 |
| GW 92 166 | 2/8 | 512 | 663 |
| GW 92 167 | 2/8 | 512 | 663 |
| GW 92 168 | 2/8 | 1280 | 663 |
| GW 92 169 | 2/8 | 1280 | 663 |
| GW 92 170 | 2/8 | 1280 | 663 |
| GW 92 171 | 2/8 | 768 | 663 |
| GW 92 172 | 2/8 | 768 | 663 |
| GW 92 185 | 1/3 | 348 | 663 |
| GW 92 186 | 1/3 | 348 | 663 |
| GW 92 187 | 1/3 | 348 | 663 |
| GW 92 188 | 1/3 | 348 | 663 |
| GW 92 189 | 1/3 | 348 | 663 |
| GW 92 190 | 1/3 | 348 | 663 |
| GW 92 191 | 1/3 | 522 | 663 |
| GW 92 192 | 1/3 | 348 | 663 |
| GW 92 205 | 6/24 | 2304 | 667 |

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| | Pack/carton | Pallet | |
| GW 92 206 | 6/24 | 3840 | 667 |
| GW 92 207 | 6/24 | 3840 | 667 |
| GW 92 208 | 6/24 | 3840 | 667 |
| GW 92 209 | 6/24 | 3840 | 667 |
| GW 92 210 | 6/24 | 3840 | 667 |
| GW 92 211 | 6/24 | 3840 | 667 |
| GW 92 212 | 6/24 | 1536 | 667 |
| GW 92 213 | 6/24 | 2304 | 667 |
| GW 92 214 | 6/24 | 1536 | 667 |
| GW 92 245 | 3/12 | 768 | 667 |
| GW 92 246 | 3/12 | 768 | 667 |
| GW 92 247 | 3/12 | 768 | 667 |
| GW 92 248 | 3/12 | 768 | 667 |
| GW 92 249 | 3/12 | 768 | 667 |
| GW 92 250 | 3/12 | 768 | 667 |
| GW 92 251 | 3/12 | 768 | 667 |
| GW 92 252 | 3/12 | 768 | 667 |
| GW 92 253 | 3/12 | 768 | 667 |
| GW 92 254 | 3/12 | 768 | 667 |
| GW 92 265 | 2/8 | 512 | 667 |
| GW 92 266 | 2/8 | 512 | 667 |
| GW 92 267 | 2/8 | 1280 | 667 |
| GW 92 268 | 2/8 | 512 | 667 |
| GW 92 269 | 2/8 | 768 | 667 |
| GW 92 270 | 2/8 | 768 | 667 |
| GW 92 271 | 2/8 | 512 | 667 |
| GW 92 272 | 2/8 | 512 | 667 |
| GW 92 273 | 2/8 | 512 | 667 |
| GW 92 274 | 2/8 | 512 | 667 |
| GW 92 285 | 1/3 | 609 | 667 |
| GW 92 286 | 1/3 | 348 | 667 |
| GW 92 287 | 1/3 | 609 | 667 |
| GW 92 288 | 1/3 | 348 | 667 |
| GW 92 289 | 1/3 | 348 | 667 |
| GW 92 290 | 1/3 | 348 | 667 |
| GW 92 291 | 1/3 | 348 | 667 |
| GW 92 292 | 1/3 | 348 | 667 |
| GW 92 293 | 1/3 | 348 | 667 |
| GW 92 294 | 1/3 | 348 | 667 |
| GW 92 305 | 6/24 | 1536 | 664 |
| GW 92 306 | 6/24 | 3840 | 664 |
| GW 92 307 | 6/24 | 1536 | 664 |
| GW 92 308 | 6/24 | 3840 | 664 |
| GW 92 309 | 6/24 | 3840 | 664 |
| GW 92 310 | 6/24 | 3840 | 664 |
| GW 92 311 | 6/24 | 3840 | 664 |
| GW 92 312 | 6/24 | 1536 | 664 |
| GW 92 325 | 3/12 | 0 | 664 |
| GW 92 326 | 3/12 | 768 | 664 |
| GW 92 327 | 3/12 | 0 | 664 |
| GW 92 328 | 3/12 | 0 | 664 |
| GW 92 329 | 3/12 | 768 | 664 |
| GW 92 330 | 3/12 | 768 | 664 |
| GW 92 331 | 3/12 | 768 | 664 |
| GW 92 332 | 3/12 | 768 | 664 |
| GW 92 345 | 3/12 | 768 | 664 |
| GW 92 346 | 3/12 | 768 | 664 |
| GW 92 347 | 3/12 | 0 | 664 |
| GW 92 348 | 3/12 | 768 | 664 |
| GW 92 349 | 3/12 | 768 | 664 |
| GW 92 350 | 3/12 | 768 | 664 |
| GW 92 351 | 3/12 | 768 | 664 |
| GW 92 352 | 3/12 | 768 | 664 |
| GW 92 365 | 2/8 | 0 | 664 |

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| | Pack/carton | Pallet | |
| GW 92 366 | 2/8 | 512 | 664 |
| GW 92 367 | 2/8 | 0 | 664 |
| GW 92 368 | 2/8 | 256 | 664 |
| GW 92 369 | 2/8 | 512 | 664 |
| GW 92 370 | 2/8 | 512 | 664 |
| GW 92 371 | 2/8 | 512 | 664 |
| GW 92 372 | 2/8 | 512 | 664 |
| GW 92 385 | 1/3 | 348 | 664 |
| GW 92 386 | 1/3 | 348 | 664 |
| GW 92 387 | 1/3 | 348 | 664 |
| GW 92 388 | 1/3 | 348 | 664 |
| GW 92 389 | 1/3 | 348 | 664 |
| GW 92 390 | 1/3 | 348 | 664 |
| GW 92 391 | 1/3 | 348 | 664 |
| GW 92 392 | 1/3 | 348 | 664 |
| GW 92 405 | 6/24 | 1536 | 668 |
| GW 92 406 | 6/24 | 1536 | 668 |
| GW 92 407 | 6/24 | 1536 | 668 |
| GW 92 408 | 6/24 | 1536 | 668 |
| GW 92 409 | 6/24 | 1536 | 668 |
| GW 92 410 | 6/24 | 1536 | 668 |
| GW 92 411 | 6/24 | 1536 | 668 |
| GW 92 414 | 6/24 | 1536 | 668 |
| GW 92 445 | 3/12 | 768 | 668 |
| GW 92 446 | 3/12 | 768 | 668 |
| GW 92 447 | 3/12 | 768 | 668 |
| GW 92 448 | 3/12 | 768 | 668 |
| GW 92 449 | 3/12 | 768 | 668 |
| GW 92 450 | 3/12 | 768 | 668 |
| GW 92 451 | 3/12 | 768 | 668 |
| GW 92 454 | 3/12 | 0 | 668 |
| GW 92 465 | 2/8 | 512 | 668 |
| GW 92 466 | 2/8 | 512 | 668 |
| GW 92 467 | 2/8 | 512 | 668 |
| GW 92 468 | 2/8 | 512 | 668 |
| GW 92 469 | 2/8 | 512 | 668 |
| GW 92 470 | 2/8 | 512 | 668 |
| GW 92 471 | 2/8 | 512 | 668 |
| GW 92 474 | 2/8 | 0 | 668 |
| GW 92 485 | 1/3 | 348 | 668 |
| GW 92 486 | 1/3 | 348 | 668 |
| GW 92 487 | 1/3 | 348 | 668 |
| GW 92 488 | 1/3 | 348 | 668 |
| GW 92 489 | 1/3 | 348 | 668 |
| GW 92 490 | 1/3 | 348 | 668 |
| GW 92 491 | 1/3 | 348 | 668 |
| GW 92 494 | 1/3 | 348 | 668 |
| GW 92 505 | 6/24 | 1536 | 670 |
| GW 92 506 | 6/24 | 2304 | 670 |
| GW 92 507 | 6/24 | 1536 | 670 |
| GW 92 508 | 6/24 | 3840 | 670 |
| GW 92 509 | 6/24 | 2304 | 670 |
| GW 92 510 | 6/24 | 1536 | 670 |
| GW 92 511 | 6/24 | 3840 | 670 |
| GW 92 512 | 6/24 | 1536 | 670 |
| GW 92 513 | 6/24 | 1536 | 670 |
| GW 92 514 | 6/24 | 1536 | 670 |
| GW 92 545 | 3/12 | 0 | 670 |
| GW 92 546 | 3/12 | 768 | 670 |
| GW 92 547 | 3/12 | 768 | 670 |
| GW 92 548 | 3/12 | 768 | 670 |
| GW 92 549 | 3/12 | 768 | 670 |
| GW 92 550 | 3/12 | 768 | 670 |
| GW 92 551 | 3/12 | 768 | 670 |

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| GW 92 552 | 3/12 | 768 | 670 |
| GW 92 553 | 3/12 | 768 | 670 |
| GW 92 554 | 3/12 | 768 | 670 |
| GW 92 565 | 2/8 | 512 | 670 |
| GW 92 566 | 2/8 | 512 | 670 |
| GW 92 567 | 2/8 | 512 | 670 |
| GW 92 568 | 2/8 | 768 | 670 |
| GW 92 569 | 2/8 | 512 | 670 |
| GW 92 570 | 2/8 | 512 | 670 |
| GW 92 571 | 2/8 | 512 | 670 |
| GW 92 572 | 2/8 | 512 | 670 |
| GW 92 573 | 2/8 | 512 | 670 |
| GW 92 574 | 2/8 | 512 | 670 |
| GW 92 585 | 1/3 | 348 | 670 |
| GW 92 586 | 1/3 | 348 | 670 |
| GW 92 587 | 1/3 | 348 | 670 |
| GW 92 588 | 1/3 | 348 | 670 |
| GW 92 589 | 1/3 | 348 | 670 |
| GW 92 590 | 1/3 | 348 | 670 |
| GW 92 591 | 1/3 | 348 | 670 |
| GW 92 592 | 1/3 | 348 | 670 |
| GW 92 593 | 1/3 | 348 | 670 |
| GW 92 594 | 1/3 | 348 | 670 |
| GW 92 605 | 6/24 | 1536 | 669 |
| GW 92 606 | 6/24 | 2304 | 669 |
| GW 92 607 | 6/24 | 3840 | 669 |
| GW 92 608 | 6/24 | 3840 | 669 |
| GW 92 609 | 6/24 | 1536 | 669 |
| GW 92 610 | 6/24 | 1536 | 669 |
| GW 92 611 | 6/24 | 1536 | 669 |
| GW 92 612 | 6/24 | 1536 | 669 |
| GW 92 613 | 6/24 | 1536 | 669 |
| GW 92 614 | 6/24 | 1536 | 669 |
| GW 92 645 | 3/12 | 768 | 669 |
| GW 92 646 | 3/12 | 768 | 669 |
| GW 92 647 | 3/12 | 1152 | 669 |
| GW 92 648 | 3/12 | 768 | 669 |
| GW 92 649 | 3/12 | 768 | 669 |
| GW 92 650 | 3/12 | 768 | 669 |
| GW 92 651 | 3/12 | 768 | 669 |
| GW 92 652 | 3/12 | 768 | 669 |
| GW 92 653 | 3/12 | 768 | 669 |
| GW 92 654 | 3/12 | 768 | 669 |
| GW 92 665 | 2/8 | 512 | 669 |
| GW 92 666 | 2/8 | 512 | 669 |
| GW 92 667 | 2/8 | 768 | 669 |
| GW 92 668 | 2/8 | 768 | 669 |
| GW 92 669 | 2/8 | 512 | 669 |
| GW 92 670 | 2/8 | 768 | 669 |
| GW 92 671 | 2/8 | 512 | 669 |
| GW 92 672 | 2/8 | 512 | 669 |
| GW 92 673 | 2/8 | 512 | 669 |
| GW 92 674 | 2/8 | 512 | 669 |
| GW 92 685 | 1/3 | 348 | 669 |
| GW 92 686 | 1/3 | 348 | 669 |
| GW 92 687 | 1/3 | 348 | 669 |
| GW 92 688 | 1/3 | 348 | 669 |
| GW 92 689 | 1/3 | 348 | 669 |
| GW 92 690 | 1/3 | 609 | 669 |
| GW 92 691 | 1/3 | 348 | 669 |
| GW 92 692 | 1/3 | 348 | 669 |
| GW 92 693 | 1/3 | 348 | 669 |
| GW 92 694 | 1/3 | 348 | 669 |
| GW 92 701 | 6/24 | 1536 | 671 |

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| GW 92 702 | 6/24 | 1536 | 671 |
| GW 92 703 | 6/24 | 1536 | 671 |
| GW 92 704 | 6/24 | 1536 | 671 |
| GW 92 705 | 6/24 | 1536 | 671 |
| GW 92 706 | 6/24 | 1536 | 671 |
| GW 92 707 | 6/24 | 1536 | 671 |
| GW 92 708 | 6/24 | 1536 | 671 |
| GW 92 709 | 6/24 | 1536 | 671 |
| GW 92 710 | 6/24 | 1536 | 671 |
| GW 92 711 | 6/24 | 1536 | 671 |
| GW 92 714 | 6/24 | 0 | 671 |
| GW 92 741 | 3/12 | 768 | 671 |
| GW 92 742 | 3/12 | 768 | 671 |
| GW 92 743 | 3/12 | 768 | 671 |
| GW 92 744 | 3/12 | 768 | 671 |
| GW 92 745 | 3/12 | 768 | 671 |
| GW 92 746 | 3/12 | 768 | 671 |
| GW 92 747 | 3/12 | 768 | 671 |
| GW 92 748 | 3/12 | 768 | 671 |
| GW 92 749 | 3/12 | 768 | 671 |
| GW 92 750 | 3/12 | 768 | 671 |
| GW 92 751 | 3/12 | 768 | 671 |
| GW 92 754 | 3/12 | 0 | 671 |
| GW 92 761 | 2/8 | 512 | 671 |
| GW 92 762 | 2/8 | 512 | 671 |
| GW 92 763 | 2/8 | 512 | 671 |
| GW 92 764 | 2/8 | 512 | 671 |
| GW 92 765 | 2/8 | 512 | 671 |
| GW 92 766 | 2/8 | 512 | 671 |
| GW 92 767 | 2/8 | 512 | 671 |
| GW 92 768 | 2/8 | 512 | 671 |
| GW 92 769 | 2/8 | 512 | 671 |
| GW 92 770 | 2/8 | 512 | 671 |
| GW 92 771 | 2/8 | 512 | 671 |
| GW 92 774 | 2/8 | 0 | 671 |
| GW 92 781 | 1/3 | 348 | 671 |
| GW 92 782 | 1/3 | 348 | 671 |
| GW 92 783 | 1/3 | 348 | 671 |
| GW 92 784 | 1/3 | 348 | 671 |
| GW 92 785 | 1/3 | 348 | 671 |
| GW 92 786 | 1/3 | 348 | 671 |
| GW 92 787 | 1/3 | 348 | 671 |
| GW 92 788 | 1/3 | 348 | 671 |
| GW 92 789 | 1/3 | 348 | 671 |
| GW 92 790 | 1/3 | 348 | 671 |
| GW 92 791 | 1/3 | 348 | 671 |
| GW 92 794 | 1/3 | 348 | 671 |
| GW 92 805 | 6/24 | 1536 | 672 |
| GW 92 806 | 6/24 | 1536 | 672 |
| GW 92 807 | 6/24 | 1536 | 672 |
| GW 92 808 | 6/24 | 1536 | 672 |
| GW 92 809 | 6/24 | 1536 | 672 |
| GW 92 810 | 6/24 | 1536 | 672 |
| GW 92 811 | 6/24 | 1536 | 672 |
| GW 92 812 | 6/24 | 1536 | 672 |
| GW 92 813 | 6/24 | 1536 | 672 |
| GW 92 845 | 3/12 | 768 | 672 |
| GW 92 846 | 3/12 | 768 | 672 |
| GW 92 847 | 3/12 | 768 | 672 |
| GW 92 848 | 3/12 | 768 | 672 |
| GW 92 849 | 3/12 | 768 | 672 |
| GW 92 850 | 3/12 | 768 | 672 |
| GW 92 851 | 3/12 | 768 | 672 |
| GW 92 852 | 3/12 | 768 | 672 |

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| GW 92 853 | 3/12 | 768 | 672 |
| GW 92 865 | 2/8 | 512 | 672 |
| GW 92 866 | 2/8 | 512 | 672 |
| GW 92 867 | 2/8 | 512 | 672 |
| GW 92 868 | 2/8 | 512 | 672 |
| GW 92 869 | 2/8 | 512 | 672 |
| GW 92 870 | 2/8 | 512 | 672 |
| GW 92 871 | 2/8 | 512 | 672 |
| GW 92 872 | 2/8 | 512 | 672 |
| GW 92 873 | 2/8 | 512 | 672 |
| GW 92 885 | 1/3 | 348 | 672 |
| GW 92 886 | 1/3 | 348 | 672 |
| GW 92 887 | 1/3 | 348 | 672 |
| GW 92 888 | 1/3 | 348 | 672 |
| GW 92 889 | 1/3 | 348 | 672 |
| GW 92 890 | 1/3 | 348 | 672 |
| GW 92 891 | 1/3 | 348 | 672 |
| GW 92 892 | 1/3 | 348 | 672 |
| GW 92 893 | 1/3 | 348 | 672 |

| GW93 | | | |
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| GW 93 201 | 1/12 | 768 | 674 |
| GW 93 202 | 1/12 | 768 | 674 |
| GW 93 203 | 1/12 | 768 | 674 |
| GW 93 204 | 1/12 | 768 | 674 |
| GW 93 205 | 1/12 | 768 | 674 |
| GW 93 206 | 1/12 | 768 | 674 |
| GW 93 221 | 1/8 | 224 | 674 |
| GW 93 222 | 1/8 | 224 | 674 |
| GW 93 223 | 1/8 | 224 | 674 |
| GW 93 224 | 1/8 | 224 | 674 |
| GW 93 225 | 1/8 | 224 | 674 |
| GW 93 226 | 1/8 | 224 | 674 |
| GW 93 231 | 1/4 | 120 | 674 |
| GW 93 232 | 1/4 | 120 | 674 |
| GW 93 233 | 1/4 | 120 | 674 |
| GW 93 234 | 1/4 | 120 | 674 |
| GW 93 235 | 1/4 | 120 | 674 |
| GW 93 236 | 1/4 | 120 | 674 |
| GW 93 241 | 1/4 | 120 | 674 |
| GW 93 242 | 1/4 | 120 | 674 |
| GW 93 243 | 1/4 | 120 | 674 |
| GW 93 244 | 1/4 | 120 | 674 |
| GW 93 245 | 1/4 | 120 | 674 |
| GW 93 246 | 1/4 | 120 | 674 |
| GW 93 307 | 1/12 | 768 | 673 |
| GW 93 308 | 1/12 | 384 | 673 |
| GW 93 309 | 1/12 | 768 | 673 |
| GW 93 327 | 1/8 | 360 | 673 |
| GW 93 328 | 1/8 | 360 | 673 |
| GW 93 329 | 1/8 | 224 | 673 |
| GW 93 337 | 1/4 | 240 | 673 |
| GW 93 338 | 1/4 | 240 | 673 |
| GW 93 339 | 1/4 | 240 | 673 |
| GW 93 347 | 1/4 | 240 | 673 |
| GW 93 348 | 1/4 | 240 | 673 |
| GW 93 349 | 1/4 | 240 | 673 |
| GW 93 356 | 1/12 | 768 | 673 |
| GW 93 357 | 1/12 | 768 | 673 |
| GW 93 358 | 1/12 | 768 | 673 |
| GW 93 376 | 1/8 | 224 | 673 |
| GW 93 377 | 1/8 | 224 | 673 |
| GW 93 378 | 1/8 | 224 | 673 |
| GW 93 386 | 1/4 | 120 | 673 |

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| GW 93 387 | 1/4 | 120 | 673 |
| GW 93 388 | 1/4 | 120 | 673 |
| GW 93 396 | 1/4 | 120 | 673 |
| GW 93 397 | 1/4 | 120 | 673 |
| GW 93 398 | 1/4 | 120 | 673 |
| GW94 | | | |
| GW 94 005 | 1/6 | 696 | 686 |
| GW 94 006 | 1/6 | 1218 | 686 |
| GW 94 007 | 1/6 | 1218 | 686 |
| GW 94 008 | 1/6 | 1218 | 686 |
| GW 94 009 | 1/6 | 1218 | 686 |
| GW 94 010 | 1/6 | 1218 | 686 |
| GW 94 011 | 1/6 | 696 | 686 |
| GW 94 015 | 1/6 | 696 | 686 |
| GW 94 016 | 1/6 | 696 | 686 |
| GW 94 017 | 1/6 | 696 | 686 |
| GW 94 018 | 1/6 | 696 | 686 |
| GW 94 019 | 1/6 | 696 | 686 |
| GW 94 020 | 1/6 | 696 | 686 |
| GW 94 025 | 1/6 | 696 | 686 |
| GW 94 026 | 1/6 | 1218 | 686 |
| GW 94 027 | 1/6 | 1218 | 686 |
| GW 94 028 | 1/6 | 696 | 686 |
| GW 94 029 | 1/6 | 696 | 686 |
| GW 94 030 | 1/6 | 696 | 686 |
| GW 94 031 | 1/6 | 696 | 686 |
| GW 94 035 | 1/6 | 696 | 686 |
| GW 94 036 | 1/6 | 696 | 686 |
| GW 94 037 | 1/6 | 696 | 686 |
| GW 94 038 | 1/6 | 696 | 686 |
| GW 94 039 | 1/6 | 696 | 686 |
| GW 94 040 | 1/6 | 696 | 686 |
| GW 94 045 | 1/4 | 464 | 687 |
| GW 94 046 | 1/4 | 464 | 687 |
| GW 94 047 | 1/4 | 464 | 687 |
| GW 94 048 | 1/4 | 464 | 687 |
| GW 94 049 | 1/4 | 464 | 687 |
| GW 94 050 | 1/4 | 464 | 687 |
| GW 94 051 | 1/4 | 464 | 687 |
| GW 94 055 | 1/4 | 464 | 687 |
| GW 94 056 | 1/4 | 464 | 687 |
| GW 94 057 | 1/4 | 464 | 687 |
| GW 94 058 | 1/4 | 464 | 687 |
| GW 94 059 | 1/4 | 464 | 687 |
| GW 94 060 | 1/4 | 464 | 687 |
| GW 94 065 | 1/3 | 348 | 687 |
| GW 94 066 | 1/3 | 348 | 687 |
| GW 94 067 | 1/3 | 348 | 687 |
| GW 94 068 | 1/3 | 348 | 687 |
| GW 94 069 | 1/3 | 348 | 687 |
| GW 94 070 | 1/3 | 348 | 687 |
| GW 94 071 | 1/3 | 348 | 687 |
| GW 94 075 | 1/3 | 348 | 687 |
| GW 94 076 | 1/3 | 348 | 687 |
| GW 94 077 | 1/3 | 348 | 687 |
| GW 94 078 | 1/3 | 348 | 687 |
| GW 94 079 | 1/3 | 348 | 687 |
| GW 94 080 | 1/3 | 348 | 687 |
| GW 94 105 | 1/6 | 696 | 689 |
| GW 94 106 | 1/6 | 696 | 689 |
| GW 94 107 | 1/6 | 696 | 689 |
| GW 94 108 | 1/6 | 696 | 689 |
| GW 94 109 | 1/6 | 696 | 689 |

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| GW 94 111 | 1/6 | 696 | 689 |
| GW 94 115 | 1/6 | 696 | 689 |
| GW 94 116 | 1/6 | 696 | 689 |
| GW 94 117 | 1/6 | 696 | 689 |
| GW 94 118 | 1/6 | 696 | 689 |
| GW 94 119 | 1/6 | 696 | 689 |
| GW 94 120 | 1/6 | 696 | 689 |
| GW 94 125 | 1/6 | 696 | 689 |
| GW 94 126 | 1/6 | 1218 | 689 |
| GW 94 127 | 1/6 | 1218 | 689 |
| GW 94 128 | 1/6 | 696 | 689 |
| GW 94 129 | 1/6 | 696 | 689 |
| GW 94 130 | 1/6 | 696 | 689 |
| GW 94 131 | 1/6 | 696 | 689 |
| GW 94 135 | 1/6 | 696 | 689 |
| GW 94 136 | 1/6 | 696 | 689 |
| GW 94 137 | 1/6 | 696 | 689 |
| GW 94 138 | 1/6 | 696 | 689 |
| GW 94 139 | 1/6 | 696 | 689 |
| GW 94 140 | 1/6 | 696 | 689 |
| GW 94 145 | 1/4 | 464 | 689 |
| GW 94 146 | 1/4 | 464 | 689 |
| GW 94 147 | 1/4 | 464 | 689 |
| GW 94 148 | 1/4 | 464 | 689 |
| GW 94 149 | 1/4 | 464 | 689 |
| GW 94 150 | 1/4 | 464 | 689 |
| GW 94 151 | 1/4 | 464 | 689 |
| GW 94 155 | 1/4 | 464 | 689 |
| GW 94 156 | 1/4 | 464 | 689 |
| GW 94 157 | 1/4 | 464 | 689 |
| GW 94 158 | 1/4 | 464 | 689 |
| GW 94 159 | 1/4 | 464 | 689 |
| GW 94 160 | 1/4 | 464 | 689 |
| GW 94 165 | 1/3 | 348 | 689 |
| GW 94 166 | 1/3 | 348 | 689 |
| GW 94 167 | 1/3 | 609 | 689 |
| GW 94 168 | 1/3 | 348 | 689 |
| GW 94 169 | 1/3 | 348 | 689 |
| GW 94 170 | 1/3 | 348 | 689 |
| GW 94 171 | 1/3 | 348 | 689 |
| GW 94 175 | 1/3 | 348 | 689 |
| GW 94 176 | 1/3 | 348 | 689 |
| GW 94 177 | 1/3 | 348 | 689 |
| GW 94 178 | 1/3 | 348 | 689 |
| GW 94 179 | 1/3 | 348 | 689 |
| GW 94 180 | 1/3 | 348 | 689 |
| GW 94 205 | 1/6 | 696 | 688 |
| GW 94 206 | 1/6 | 696 | 688 |
| GW 94 207 | 1/6 | 696 | 688 |
| GW 94 208 | 1/6 | 696 | 688 |
| GW 94 209 | 1/6 | 696 | 688 |
| GW 94 210 | 1/6 | 696 | 688 |
| GW 94 211 | 1/6 | 696 | 688 |
| GW 94 215 | 1/6 | 696 | 688 |
| GW 94 216 | 1/6 | 696 | 688 |
| GW 94 217 | 1/6 | 696 | 688 |
| GW 94 218 | 1/6 | 696 | 688 |
| GW 94 219 | 1/6 | 696 | 688 |
| GW 94 220 | 1/6 | 696 | 688 |
| GW 94 225 | 1/6 | 696 | 688 |
| GW 94 226 | 1/6 | 696 | 688 |
| GW 94 227 | 1/6 | 696 | 688 |
| GW 94 228 | 1/6 | 696 | 688 |

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| GW 94 230 | 1/6 | 696 | 688 |
| GW 94 231 | 1/6 | 696 | 688 |
| GW 94 235 | 1/6 | 696 | 688 |
| GW 94 236 | 1/6 | 696 | 688 |
| GW 94 237 | 1/6 | 696 | 688 |
| GW 94 238 | 1/6 | 696 | 688 |
| GW 94 239 | 1/6 | 696 | 688 |
| GW 94 240 | 1/6 | 696 | 688 |
| GW 94 245 | 1/4 | 464 | 688 |
| GW 94 246 | 1/4 | 464 | 688 |
| GW 94 247 | 1/4 | 464 | 688 |
| GW 94 248 | 1/4 | 464 | 688 |
| GW 94 249 | 1/4 | 464 | 688 |
| GW 94 250 | 1/4 | 464 | 688 |
| GW 94 251 | 1/4 | 464 | 688 |
| GW 94 255 | 1/4 | 464 | 688 |
| GW 94 256 | 1/4 | 464 | 688 |
| GW 94 257 | 1/4 | 464 | 688 |
| GW 94 258 | 1/4 | 464 | 688 |
| GW 94 259 | 1/4 | 464 | 688 |
| GW 94 260 | 1/4 | 464 | 688 |
| GW 94 265 | 1/3 | 348 | 688 |
| GW 94 266 | 1/3 | 348 | 688 |
| GW 94 267 | 1/3 | 348 | 688 |
| GW 94 268 | 1/3 | 348 | 688 |
| GW 94 269 | 1/3 | 348 | 688 |
| GW 94 270 | 1/3 | 348 | 688 |
| GW 94 271 | 1/3 | 348 | 688 |
| GW 94 275 | 1/3 | 348 | 688 |
| GW 94 276 | 1/3 | 348 | 688 |
| GW 94 277 | 1/3 | 348 | 688 |
| GW 94 278 | 1/3 | 348 | 688 |
| GW 94 279 | 1/3 | 348 | 688 |
| GW 94 280 | 1/3 | 348 | 688 |
| GW 94 305 | 1/6 | 696 | 690 |
| GW 94 306 | 1/6 | 696 | 690 |
| GW 94 307 | 1/6 | 1218 | 690 |
| GW 94 308 | 1/6 | 696 | 690 |
| GW 94 309 | 1/6 | 696 | 690 |
| GW 94 310 | 1/6 | 696 | 690 |
| GW 94 311 | 1/6 | 696 | 690 |
| GW 94 315 | 1/6 | 696 | 690 |
| GW 94 316 | 1/6 | 696 | 690 |
| GW 94 317 | 1/6 | 696 | 690 |
| GW 94 318 | 1/6 | 696 | 690 |
| GW 94 319 | 1/6 | 696 | 690 |
| GW 94 320 | 1/6 | 696 | 690 |
| GW 94 325 | 1/6 | 696 | 690 |
| GW 94 326 | 1/6 | 696 | 690 |
| GW 94 327 | 1/6 | 696 | 690 |
| GW 94 328 | 1/6 | 696 | 690 |
| GW 94 329 | 1/6 | 696 | 690 |
| GW 94 330 | 1/6 | 696 | 690 |
| GW 94 331 | 1/6 | 696 | 690 |
| GW 94 335 | 1/6 | 696 | 690 |
| GW 94 336 | 1/6 | 696 | 690 |
| GW 94 337 | 1/6 | 696 | 690 |
| GW 94 338 | 1/6 | 696 | 690 |
| GW 94 339 | 1/6 | 696 | 690 |
| GW 94 340 | 1/6 | 696 | 690 |
| GW 94 345 | 1/4 | 464 | 690 |
| GW 94 346 | 1/4 | 464 | 690 |
| GW 94 347 | 1/4 | 464 | 690 |

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| GW 94 349 | 1/4 | 464 | 690 |
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| GW 94 356 | 1/4 | 464 | 690 |
| GW 94 357 | 1/4 | 464 | 690 |
| GW 94 358 | 1/4 | 464 | 690 |
| GW 94 359 | 1/4 | 464 | 690 |
| GW 94 360 | 1/4 | 464 | 690 |
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| GW 94 366 | 1/3 | 348 | 690 |
| GW 94 367 | 1/3 | 609 | 690 |
| GW 94 368 | 1/3 | 348 | 690 |
| GW 94 369 | 1/3 | 348 | 690 |
| GW 94 370 | 1/3 | 348 | 690 |
| GW 94 371 | 1/3 | 348 | 690 |
| GW 94 375 | 1/3 | 348 | 690 |
| GW 94 376 | 1/3 | 348 | 690 |
| GW 94 377 | 1/3 | 348 | 690 |
| GW 94 378 | 1/3 | 348 | 690 |
| GW 94 379 | 1/3 | 348 | 690 |
| GW 94 380 | 1/3 | 348 | 690 |
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| GW 94 402 | 1/2 | 468 | 697 |
| GW 94 403 | 1/2 | 432 | 697 |
| GW 94 404 | 1/2 | 288 | 697 |
| GW 94 412 | 1/2 | 216 | 697 |
| GW 94 413 | 1/2 | 216 | 697 |
| GW 94 414 | 1/2 | 288 | 697 |
| GW 94 422 | 1/2 | 252 | 697 |
| GW 94 423 | 1/2 | 228 | 697 |
| GW 94 424 | 1/2 | 152 | 697 |
| GW 94 432 | 1/2 | 252 | 697 |
| GW 94 433 | 1/2 | 258 | 697 |
| GW 94 434 | 1/2 | 152 | 697 |
| GW 94 442 | 1/2 | 192 | 697 |
| GW 94 443 | 1/2 | 192 | 697 |
| GW 94 444 | 1/2 | 192 | 697 |
| GW 94 448 | 1/2 | 192 | 697 |
| GW 94 449 | 1/2 | 192 | 697 |
| GW 94 450 | 1/2 | 192 | 697 |
| GW 94 502 | 1/2 | 432 | 697 |
| GW 94 503 | 1/2 | 288 | 697 |
| GW 94 504 | 1/2 | 288 | 697 |
| GW 94 512 | 1/2 | 288 | 697 |
| GW 94 513 | 1/2 | 288 | 697 |
| GW 94 514 | 1/2 | 288 | 697 |
| GW 94 522 | 1/2 | 152 | 697 |
| GW 94 523 | 1/2 | 152 | 697 |
| GW 94 524 | 1/2 | 152 | 697 |
| GW 94 532 | 1/2 | 152 | 697 |
| GW 94 533 | 1/2 | 152 | 697 |
| GW 94 534 | 1/2 | 152 | 697 |
| GW 94 542 | 1/2 | 192 | 697 |
| GW 94 543 | 1/2 | 192 | 697 |
| GW 94 544 | 1/2 | 192 | 697 |
| GW 94 547 | 1/2 | 192 | 697 |
| GW 94 548 | 1/2 | 192 | 697 |
| GW 94 549 | 1/2 | 192 | 697 |
| GW 94 563 | 1/2 | 432 | 698 |
| GW 94 565 | 1/2 | 288 | 698 |
| GW 94 566 | 1/2 | 216 | 698 |
| GW 94 583 | 1/2 | 228 | 698 |

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| GW 94 586 | 1/2 | 192 | 698 |
| GW 94 595 | 1/2 | 288 | 698 |
| GW 94 598 | 1/2 | 192 | 698 |
| GW 94 600 | 1/2 | 192 | 698 |
| GW 94 662 | 1/4 | 464 | 701 |
| GW 94 664 | 1/4 | 464 | 701 |
| GW 94 667 | 1/4 | 812 | 701 |
| GW 94 668 | 1/4 | 640 | 701 |
| GW 94 669 | 1/4 | 464 | 701 |
| GW 94 670 | 1/4 | 464 | 701 |
| GW 94 866 | 1/4 | 640 | 703 |
| GW 94 867 | 1/4 | 464 | 703 |
| GW 94 869 | 1/4 | 640 | 703 |
| GW 94 897 | 1/4 | 812 | 703 |
| GW 94 898 | 1/4 | 640 | 703 |
| GW 94 899 | 1/4 | 464 | 703 |
| GW 94 900 | 1/4 | 464 | 703 |
| GW95 | | | |
| GW 95 005 | 1/6 | 696 | 693 |
| GW 95 006 | 1/6 | 696 | 693 |
| GW 95 007 | 1/6 | 696 | 693 |
| GW 95 008 | 1/6 | 696 | 693 |
| GW 95 009 | 1/6 | 696 | 693 |
| GW 95 010 | 1/6 | 696 | 693 |
| GW 95 011 | 1/6 | 696 | 693 |
| GW 95 015 | 1/6 | 696 | 693 |
| GW 95 016 | 1/6 | 696 | 693 |
| GW 95 017 | 1/6 | 696 | 693 |
| GW 95 018 | 1/6 | 696 | 693 |
| GW 95 019 | 1/6 | 696 | 693 |
| GW 95 020 | 1/6 | 696 | 693 |
| GW 95 025 | 1/6 | 696 | 693 |
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| GW 95 026 MA | 1/6 | 696 | 693 |
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| GW 95 028 MA | 1/6 | 696 | 693 |
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| GW 95 029 MA | 1/6 | 696 | 693 |
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| GW 95 031 | 1/6 | 696 | 693 |
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| GW 95 035 | 1/6 | 696 | 693 |
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| GW 95 036 | 1/6 | 696 | 693 |
| GW 95 036 MA | 1/6 | 696 | 693 |
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| GW 95 037 MA | 1/6 | 696 | 693 |
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| GW 95 040 | 1/6 | 696 | 693 |
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| GW 95 105 | 1/6 | 696 | 692 |
| GW 95 106 | 1/6 | 696 | 692 |
| GW 95 107 | 1/6 | 1218 | 692 |
| GW 95 108 | 1/6 | 696 | 692 |
| GW 95 109 | 1/6 | 696 | 692 |

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| GW 95 111 | 1/6 | 696 | 692 |
| GW 95 115 | 1/6 | 696 | 692 |
| GW 95 116 | 1/6 | 696 | 692 |
| GW 95 117 | 1/6 | 696 | 692 |
| GW 95 118 | 1/6 | 696 | 692 |
| GW 95 119 | 1/6 | 522 | 692 |
| GW 95 120 | 1/6 | 696 | 692 |
| GW 95 125 | 1/6 | 696 | 692 |
| GW 95 126 | 1/6 | 696 | 692 |
| GW 95 127 | 1/6 | 696 | 692 |
| GW 95 128 | 1/6 | 696 | 692 |
| GW 95 129 | 1/6 | 696 | 692 |
| GW 95 130 | 1/6 | 696 | 692 |
| GW 95 131 | 1/6 | 696 | 692 |
| GW 95 135 | 1/6 | 696 | 692 |
| GW 95 136 | 1/6 | 696 | 692 |
| GW 95 137 | 1/6 | 696 | 692 |
| GW 95 138 | 1/6 | 522 | 692 |
| GW 95 139 | 1/6 | 696 | 692 |
| GW 95 140 | 1/6 | 522 | 692 |
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| GW 95 147 | 1/4 | 464 | 692 |
| GW 95 148 | 1/4 | 464 | 692 |
| GW 95 149 | 1/4 | 0 | 692 |
| GW 95 150 | 1/4 | 512 | 692 |
| GW 95 151 | 1/4 | 0 | 692 |
| GW 95 155 | 1/4 | 464 | 692 |
| GW 95 156 | 1/4 | 464 | 692 |
| GW 95 157 | 1/4 | 464 | 692 |
| GW 95 158 | 1/4 | 0 | 692 |
| GW 95 159 | 1/4 | 0 | 692 |
| GW 95 160 | 1/4 | 464 | 692 |
| GW 95 165 | 1/3 | 348 | 692 |
| GW 95 166 | 1/3 | 348 | 692 |
| GW 95 167 | 1/3 | 348 | 692 |
| GW 95 168 | 1/3 | 348 | 692 |
| GW 95 169 | 1/3 | 348 | 692 |
| GW 95 170 | 1/3 | 348 | 692 |
| GW 95 171 | 1/3 | 348 | 692 |
| GW 95 175 | 1/3 | 348 | 692 |
| GW 95 176 | 1/3 | 348 | 692 |
| GW 95 177 | 1/3 | 348 | 692 |
| GW 95 178 | 1/3 | 348 | 692 |
| GW 95 179 | 1/3 | 348 | 692 |
| GW 95 180 | 1/3 | 348 | 692 |
| GW 95 205 | 1/6 | 696 | 694 |
| GW 95 206 | 1/6 | 696 | 694 |
| GW 95 207 | 1/6 | 696 | 694 |
| GW 95 208 | 1/6 | 696 | 694 |
| GW 95 209 | 1/6 | 696 | 694 |
| GW 95 210 | 1/6 | 696 | 694 |
| GW 95 211 | 1/6 | 696 | 694 |
| GW 95 215 | 1/6 | 696 | 694 |
| GW 95 216 | 1/6 | 696 | 694 |
| GW 95 217 | 1/6 | 696 | 694 |
| GW 95 218 | 1/6 | 696 | 694 |
| GW 95 219 | 1/6 | 696 | 694 |
| GW 95 220 | 1/6 | 696 | 694 |
| GW 95 225 | 1/6 | 696 | 694 |
| GW 95 225 MA | 1/6 | 696 | 695 |
| GW 95 226 | 1/6 | 1218 | 694 |
| GW 95 226 MA | 1/6 | 696 | 695 |

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| GW 95 227 MA | 1/6 | 696 | 695 |
| GW 95 228 | 1/6 | 696 | 694 |
| GW 95 228 MA | 1/6 | 696 | 695 |
| GW 95 229 | 1/6 | 696 | 694 |
| GW 95 229 MA | 1/6 | 696 | 695 |
| GW 95 230 | 1/6 | 696 | 694 |
| GW 95 230 MA | 1/6 | 696 | 695 |
| GW 95 231 | 1/6 | 696 | 694 |
| GW 95 231 MA | 1/6 | 696 | 695 |
| GW 95 235 | 1/6 | 696 | 694 |
| GW 95 235 MA | 1/6 | 696 | 695 |
| GW 95 236 | 1/6 | 696 | 694 |
| GW 95 236 MA | 1/6 | 696 | 695 |
| GW 95 237 | 1/6 | 696 | 694 |
| GW 95 237 MA | 1/6 | 696 | 695 |
| GW 95 238 | 1/6 | 696 | 694 |
| GW 95 238 MA | 1/6 | 696 | 695 |
| GW 95 239 | 1/6 | 696 | 694 |
| GW 95 239 MA | 1/6 | 696 | 695 |
| GW 95 240 | 1/6 | 696 | 694 |
| GW 95 240 MA | 1/6 | 696 | 695 |
| GW 95 245 | 1/4 | 464 | 694 |
| GW 95 246 | 1/4 | 464 | 694 |
| GW 95 247 | 1/4 | 464 | 694 |
| GW 95 248 | 1/4 | 464 | 694 |
| GW 95 249 | 1/4 | 464 | 694 |
| GW 95 250 | 1/4 | 464 | 694 |
| GW 95 325 | 1/6 | 696 | 696 |
| GW 95 326 | 1/6 | 696 | 696 |
| GW 95 327 | 1/6 | 1218 | 696 |
| GW 95 328 | 1/6 | 696 | 696 |
| GW 95 329 | 1/6 | 696 | 696 |
| GW 95 330 | 1/6 | 696 | 696 |
| GW 95 331 | 1/6 | 696 | 696 |
| GW 95 335 | 1/6 | 0 | 696 |
| GW 95 336 | 1/6 | 696 | 696 |
| GW 95 337 | 1/6 | 522 | 696 |
| GW 95 338 | 1/6 | 522 | 696 |
| GW 95 339 | 1/6 | 522 | 696 |
| GW 95 340 | 1/6 | 696 | 696 |
| GW 95 406 | 1/2 | 152 | 699 |
| GW 95 408 | 1/2 | 152 | 699 |
| GW 95 416 | 1/2 | 128 | 699 |
| GW 95 418 | 1/2 | 128 | 699 |
| GW 95 426 | 1/2 | 128 | 699 |
| GW 95 428 | 1/2 | 64 | 699 |
| GW 95 436 | 1/2 | 152 | 699 |
| GW 95 438 | 1/2 | 152 | 699 |
| GW 95 446 | 1/2 | 128 | 699 |
| GW 95 448 | 1/2 | 128 | 699 |
| GW 95 456 | 1/2 | 128 | 699 |
| GW 95 458 | 1/2 | 128 | 699 |
| GW 95 468 | 1/2 | 152 | 699 |
| GW 95 470 | 1/2 | 152 | 699 |
| GW 95 478 | 1/2 | 128 | 699 |
| GW 95 480 | 1/2 | 128 | 699 |
| GW 95 488 | 1/2 | 128 | 699 |
| GW 95 490 | 1/2 | 64 | 699 |
| GW 95 512 | 1/2 | 128 | 700 |
| GW 95 601 | 1 | 320 | 701 |
| GW 95 603 | 1 | 320 | 701 |
| GW 95 604 | 1 | 320 | 701 |
| GW 95 606 | 1 | 320 | 703 |

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| GW 95 608 | 1 | 320 | 703 |
| GW 95 609 | 1 | 320 | 703 |
| GW 95 701 | 1 | 176 | 705 |
| GW 95 706 | 1 | 176 | 705 |
| GW 95 716 | 1 | 176 | 705 |
| GW 95 718 | 1 | 176 | 705 |
| GW 95 721 | 1 | 176 | 705 |
| GW 95 723 | 1 | 176 | 705 |
| GW 95 726 | 1 | 176 | 705 |
| GW 95 728 | 1 | 176 | 705 |
| GW 95 729 | 1 | 176 | 705 |
| GW 95 731 | 1 | 176 | 705 |
| GW 95 733 | 1 | 176 | 705 |
| GW 95 737 | 1 | 176 | 705 |
| GW 95 743 | 1 | 176 | 705 |
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| GW 95 786 | 1/6 | 696 | 694 |
| GW 95 787 | 1/6 | 696 | 694 |
| GW 95 788 | 1/6 | 696 | 694 |
| GW 95 789 | 1/6 | 696 | 694 |
| GW 95 790 | 1/6 | 696 | 694 |
| GW 95 791 | 1/6 | 696 | 694 |
| GW 95 795 | 1/6 | 0 | 696 |
| GW 95 796 | 1/6 | 0 | 696 |
| GW 95 797 | 1/6 | 0 | 696 |
| GW 95 798 | 1/6 | 0 | 696 |
| GW 95 799 | 1/6 | 0 | 696 |
| GW 95 800 | 1/6 | 0 | 696 |
| GW 95 801 | 1/6 | 0 | 696 |
| GW 95 805 | 1/6 | 696 | 691 |
| GW 95 806 | 1/6 | 696 | 691 |
| GW 95 807 | 1/6 | 696 | 691 |
| GW 95 808 | 1/6 | 696 | 691 |
| GW 95 809 | 1/6 | 696 | 691 |
| GW 95 810 | 1/6 | 696 | 691 |
| GW 95 811 | 1/6 | 696 | 691 |
| GW 95 815 | 1/3 | 348 | 691 |
| GW 95 816 | 1/3 | 348 | 691 |
| GW 95 817 | 1/3 | 348 | 691 |
| GW 95 818 | 1/3 | 348 | 691 |
| GW 95 819 | 1/3 | 348 | 691 |
| GW 95 820 | 1/3 | 348 | 691 |
| GW 95 821 | 1/3 | 348 | 691 |
| GW 95 825 | 1/6 | 0 | 695 |
| GW 95 826 | 1/6 | 696 | 695 |
| GW 95 827 | 1/6 | 696 | 695 |
| GW 95 828 | 1/6 | 696 | 695 |
| GW 95 829 | 1/6 | 696 | 695 |
| GW 95 830 | 1/6 | 696 | 695 |
| GW 95 831 | 1/6 | 696 | 695 |
| GW 95 835 | 1/6 | 696 | 696 |
| GW 95 836 | 1/6 | 696 | 696 |
| GW 95 837 | 1/6 | 696 | 696 |
| GW 95 838 | 1/6 | 696 | 696 |
| GW 95 839 | 1/6 | 696 | 696 |
| GW 95 840 | 1/6 | 696 | 696 |
| GW 95 841 | 1/6 | 696 | 696 |
| GW 95 847 | 1/6 | 696 | 691 |
| GW 95 848 | 1/6 | 696 | 691 |
| GW 95 849 | 1/6 | 696 | 691 |
| GW 95 850 | 1/6 | 696 | 691 |
| GW 95 857 | 1/3 | 348 | 691 |
| GW 95 858 | 1/3 | 348 | 691 |
| GW 95 859 | 1/3 | 348 | 691 |

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| GW 95 921 | 1/2 | 320 | 391 |
| GW 95 921 | 1/2 | 320 | 706 |
| GW 95 922 | 1/2 | 480 | 391 |
| GW 95 922 | 1/2 | 480 | 706 |
| GW 95 923 | 1/2 | 320 | 391 |
| GW 95 923 | 1/2 | 320 | 706 |
| GW 95 924 | 1/2 | 560 | 391 |
| GW 95 924 | 1/2 | 560 | 706 |
| GW 95 925 | 1/2 | 320 | 391 |
| GW 95 925 | 1/2 | 320 | 706 |
| GW 95 926 | 1/2 | 320 | 391 |
| GW 95 926 | 1/2 | 320 | 706 |
| GW 95 928 | 5/100 | 400 | 391 |
| GW 95 928 | 5/100 | 400 | 706 |

| GW96 | | | |
|-----------|--------|-------|-----|
| GW 96 001 | 1/16 | 1824 | 710 |
| GW 96 003 | 1/12 | 912 | 712 |
| GW 96 004 | 1/12 | 1392 | 712 |
| GW 96 005 | 1 | 1392 | 712 |
| GW 96 006 | 1/16 | 1216 | 710 |
| GW 96 007 | 1 | 1044 | 712 |
| GW 96 009 | 1/16 | 1216 | 710 |
| GW 96 011 | 1/8 | 1280 | 711 |
| GW 96 012 | 1/8 | 1920 | 711 |
| GW 96 014 | 1/6 | 696 | 648 |
| GW 96 015 | 1/12 | 2736 | 712 |
| GW 96 016 | 1/8 | 1280 | 711 |
| GW 96 017 | 1/8 | 1280 | 711 |
| GW 96 018 | 1/8 | 1280 | 711 |
| GW 96 022 | 10/100 | 16000 | 711 |
| GW 96 026 | 10/100 | 16000 | 711 |
| GW 96 038 | 1/10 | 15600 | 713 |
| GW 96 041 | 10/100 | 16000 | 713 |
| GW 96 042 | 10/100 | 6400 | 711 |
| GW 96 104 | 6/12 | 1392 | 722 |
| GW 96 105 | 6/12 | 2304 | 722 |
| GW 96 114 | 3/12 | 1152 | 722 |
| GW 96 115 | 3/12 | 1152 | 722 |
| GW 96 124 | 2/8 | 512 | 722 |
| GW 96 125 | 2/8 | 768 | 722 |
| GW 96 134 | 1/3 | 609 | 722 |
| GW 96 135 | 1/3 | 609 | 722 |
| GW 96 146 | 6/24 | 1536 | 722 |
| GW 96 147 | 6/24 | 1536 | 722 |
| GW 96 148 | 6/24 | 1536 | 722 |
| GW 96 149 | 6/24 | 1536 | 722 |
| GW 96 156 | 3/12 | 768 | 722 |
| GW 96 157 | 3/12 | 768 | 722 |
| GW 96 158 | 3/12 | 768 | 722 |
| GW 96 159 | 3/12 | 768 | 722 |
| GW 96 166 | 2/8 | 512 | 722 |
| GW 96 167 | 2/8 | 512 | 722 |
| GW 96 168 | 2/8 | 512 | 722 |
| GW 96 169 | 2/8 | 512 | 722 |
| GW 96 176 | 1/2 | 560 | 722 |
| GW 96 177 | 1/2 | 320 | 722 |
| GW 96 178 | 1/2 | 320 | 722 |
| GW 96 179 | 1/2 | 320 | 722 |
| GW 96 186 | 1 | 480 | 722 |
| GW 96 186 | 1 | 480 | 746 |
| GW 96 187 | 1 | 480 | 722 |
| GW 96 187 | 1 | 480 | 746 |

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| GW 96 205 | 12 | 1152 | 716 |
| GW 96 206 | 12 | 1536 | 716 |
| GW 96 207 | 12 | 768 | 716 |
| GW 96 215 | 6 | 768 | 716 |
| GW 96 216 | 6 | 1404 | 716 |
| GW 96 217 | 6 | 384 | 716 |
| GW 96 218 | 2 | 360 | 716 |
| GW 96 220 | 12 | 4032 | 716 |
| GW 96 226 | 12 | 2460 | 716 |
| GW 96 226 | 12 | 2460 | 747 |
| GW 96 227 | 6 | 1260 | 716 |
| GW 96 227 | 6 | 1260 | 747 |
| GW 96 301 | 6 | 384 | 716 |
| GW 96 302 | 6 | 1404 | 716 |
| GW 96 303 | 6 | 384 | 716 |
| GW 96 306 | 4 | 512 | 716 |
| GW 96 307 | 4 | 936 | 716 |
| GW 96 308 | 4 | 256 | 716 |
| GW 96 311 | 3 | 320 | 716 |
| GW 96 312 | 3 | 702 | 716 |
| GW 96 313 | 3 | 256 | 716 |
| GW 96 314 | 1 | 225 | 716 |
| GW 96 321 | 4 | 1148 | 741 |
| GW 96 322 | 4 | 640 | 741 |
| GW 96 323 | 1 | 495 | 741 |
| GW 96 324 | 1 | 360 | 741 |
| GW 96 331 | 1/4 | 464 | 721 |
| GW 96 332 | 1 | 360 | 721 |
| GW 96 333 | 1 | 180 | 721 |
| GW 96 334 | 1 | 180 | 721 |
| GW 96 335 | 1 | 60 | 721 |
| GW 96 336 | 1 | 100 | 721 |
| GW 96 337 | 1 | 50 | 721 |
| GW 96 339 | 1/2 | 390 | 731 |
| GW 96 340 | 1/5 | 780 | 731 |
| GW 96 401 | 12 | 3168 | 740 |
| GW 96 402 | 12 | 3108 | 740 |
| GW 96 403 | 6 | 1584 | 740 |
| GW 96 406 | 12 | 3168 | 740 |
| GW 96 407 | 12 | 3168 | 740 |
| GW 96 408 | 6 | 1584 | 740 |
| GW 96 411 | 4 | 660 | 740 |
| GW 96 421 | 6 | 1722 | 741 |
| GW 96 422 | 6 | 1722 | 741 |
| GW 96 423 | 6 | 1230 | 741 |
| GW 96 424 | 6 | 1230 | 741 |
| GW 96 425 | 6 | 1230 | 741 |
| GW 96 426 | 6 | 1230 | 741 |
| GW 96 431 | 4 | 656 | 741 |
| GW 96 432 | 4 | 820 | 741 |
| GW 96 433 | 4 | 984 | 741 |
| GW 96 434 | 4 | 820 | 741 |
| GW 96 441 | 1 | 448 | 738 |
| GW 96 442 | 1 | 448 | 738 |
| GW 96 443 | 1 | 384 | 738 |
| GW 96 444 | 1 | 384 | 738 |
| GW 96 445 | 1 | 384 | 738 |
| GW 96 446 | 1 | 126 | 738 |
| GW 96 447 | 1 | 384 | 738 |
| GW 96 448 | 1 | 396 | 738 |
| GW 96 449 | 1 | 384 | 738 |
| GW 96 450 | 1 | 84 | 738 |
| GW 96 451 | 1 | 108 | 738 |
| GW 96 452 | 1 | 72 | 738 |

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| | Pack/carton | Pallet | |
| GW 96 453 | 1 | 90 | 738 |
| GW 96 500 | 1/25 | 11000 | 714 |
| GW 96 501 | 1/25 | 11000 | 714 |
| GW 96 503 | 1/50 | 22000 | 715 |
| GW 96 507 F | 1/10 | 1120 | 714 |
| GW 96 522 | 2/8 | 768 | 742 |
| GW 96 523 | 2/8 | 512 | 742 |
| GW 96 524 | 2/8 | 768 | 742 |
| GW 96 525 | 2/8 | 0 | 742 |
| GW 96 526 | 2/8 | 768 | 742 |
| GW 96 531 | 3/12 | 1392 | 723 |
| GW 96 532 | 3/12 | 1044 | 723 |
| GW 96 533 | 3/12 | 2088 | 723 |
| GW 96 534 | 3/12 | 1440 | 723 |
| GW 96 535 | 1/12 | 1392 | 723 |
| GW 96 536 | 1/12 | 1392 | 723 |
| GW 96 537 | 1/12 | 1392 | 723 |
| GW 96 538 | 1/12 | 1392 | 723 |
| GW 96 539 | 3/12 | 1392 | 723 |
| GW 96 540 | 1/12 | 1044 | 723 |
| GW 96 541 | 1/12 | 1392 | 723 |
| GW 96 542 | 1/12 | 1392 | 723 |
| GW 96 551 | 3/12 | 1392 | 723 |
| GW 96 552 | 1/12 | 1392 | 723 |
| GW 96 553 | 3/12 | 1392 | 723 |
| GW 96 554 | 1/12 | 1392 | 723 |
| GW 96 555 | 3/12 | 0 | 723 |
| GW 96 556 | 1/12 | 1392 | 723 |
| GW 96 561 | 3/12 | 1044 | 739 |
| GW 96 562 | 3/12 | 1044 | 739 |
| GW 96 563 | 1/12 | 1044 | 739 |
| GW 96 564 | 1/12 | 1044 | 739 |
| GW 96 565 | 1/12 | 1044 | 739 |
| GW 96 566 | 1/12 | 1044 | 739 |
| GW 96 567 | 1/12 | 1044 | 739 |
| GW 96 568 | 1/12 | 1392 | 739 |
| GW 96 569 | 1/12 | 1044 | 739 |
| GW 96 570 | 1/12 | 1044 | 739 |
| GW 96 571 | 1/12 | 1044 | 739 |
| GW 96 581 | 3/12 | 2436 | 739 |
| GW 96 582 | 3/12 | 1392 | 739 |
| GW 96 583 | 3/12 | 1044 | 739 |
| GW 96 584 | 3/12 | 1044 | 739 |
| GW 96 585 | 3/12 | 1044 | 739 |
| GW 96 586 | 1/12 | 1044 | 739 |
| GW 96 587 | 1/12 | 1044 | 739 |
| GW 96 588 | 1/12 | 1044 | 739 |
| GW 96 589 | 1/12 | 1044 | 739 |
| GW 96 590 | 1/12 | 1044 | 739 |
| GW 96 591 | 1/12 | 1044 | 739 |
| GW 96 592 | 1/12 | 1392 | 739 |
| GW 96 598 | 1/12 | 0 | 739 |
| GW 96 751 | 1/4 | 464 | 717 |
| GW 96 752 | 1/4 | 464 | 717 |
| GW 96 753 | 1/4 | 464 | 717 |
| GW 96 754 | 1/4 | 464 | 717 |
| GW 96 755 | 1/4 | 464 | 717 |
| GW 96 756 | 1/4 | 464 | 717 |
| GW 96 757 | 1/4 | 464 | 717 |
| GW 96 758 | 1/4 | 464 | 717 |
| GW 96 759 | 1/4 | 464 | 717 |
| GW 96 760 | 1/4 | 464 | 717 |
| GW 96 761 | 1/4 | 464 | 717 |
| GW 96 762 | 1/4 | 464 | 717 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 96 763 | 1/4 | 464 | 717 |
| GW 96 764 | 1/12 | 1044 | 717 |
| GW 96 765 | 1/12 | 1392 | 717 |
| GW 96 767 | 1/6 | 696 | 717 |
| GW 96 769 | 1/6 | 696 | 718 |
| GW 96 770 | 1/6 | 696 | 718 |
| GW 96 771 | 1 | 64 | 718 |
| GW 96 781 | 1/6 | 1044 | 741 |
| GW 96 782 | 1/3 | 348 | 741 |
| GW 96 783 | 1/50 | 1500 | 741 |
| GW 96 809 | 1/8 | 0 | 732 |
| GW 96 814 | 1/8 | 1280 | 732 |
| GW 96 815 | 1/8 | 1280 | 732 |
| GW 96 821 | 1/4 | 464 | 734 |
| GW 96 830 | 1/8 | 1280 | 733 |
| GW 96 831 | 1/4 | 812 | 733 |
| GW 96 832 | 1/4 | 464 | 733 |
| GW 96 836 | 1/8 | 1280 | 733 |
| GW 96 844 | 1/4 | 464 | 733 |
| GW 96 845 | 1/4 | 464 | 733 |
| GW 96 846 | 1/4 | 348 | 733 |
| GW 96 851 | 1/4 | 464 | 724 |
| GW 96 852 | 1/4 | 464 | 724 |
| GW 96 853 | 1/4 | 348 | 724 |
| GW 96 856 | 1/4 | 348 | 724 |
| GW 96 861 | 1/4 | 1056 | 734 |
| GW 96 862 | 1/4 | 528 | 734 |
| GW 96 867 | 1/4 | 640 | 734 |
| GW 96 871 | 1/4 | 1056 | 735 |
| GW 96 872 | 1/4 | 1056 | 735 |
| GW 96 873 | 1/4 | 1056 | 735 |
| GW 96 878 | 1/4 | 464 | 735 |
| GW 96 879 | 1/4 | 640 | 735 |
| GW 96 881 | 1/4 | 640 | 737 |
| GW 96 891 | 1/2 | 174 | 733 |
| GW 96 892 | 1/2 | 400 | 733 |
| GW 96 895 | 1 | 160 | 733 |
| GW 96 897 | 1/4 | 640 | 737 |
| GW 96 899 | 1/2 | 360 | 737 |
| GW 96 906 | 1/8 | 1280 | 729 |
| GW 96 907 | 1/8 | 1280 | 729 |
| GW 96 908 | 1/8 | 1280 | 729 |
| GW 96 909 | 1/8 | 1280 | 729 |
| GW 96 951 | 1/4 | 464 | 724 |
| GW 96 952 | 1/4 | 464 | 724 |
| GW 96 953 | 1/4 | 464 | 724 |
| GW 96 961 | 50 | 3000 | 715 |
| GW 96 962 | 50 | 3000 | 715 |
| GW 96 963 | 10 | 58000 | 715 |
| GW 96 964 | 10 | 58000 | 715 |
| GW 96 965 | 10 | 58000 | 715 |
| GW 96 966 | 10 | 58000 | 715 |
| GW 96 967 | 10 | 8320 | 715 |
| GW 96 971 | 1/10 | 11600 | 735 |
| GW 96 972 | 1/10 | 11600 | 735 |
| GW 96 973 | 1/10 | 11600 | 735 |
| GW 96 974 | 1/10 | 11600 | 735 |
| GW 96 975 | 1/10 | 11600 | 735 |
| GW 96 976 | 1/10 | 11600 | 735 |
| GW 96 977 | 1/10 | 11600 | 735 |
| GW 96 978 | 1/10 | 11600 | 735 |
| GW 96 979 | 1/10 | 11600 | 735 |
| GW 96 980 | 1/10 | 32000 | 735 |
| GW 96 981 | 1/10 | 32000 | 735 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 96 984 | 50 | 10500 | 714 |
| GW 96 985 | 25 | 5250 | 714 |
| GW 96 986 | 25 | 5250 | 714 |
| GW 96 987 | 20 | 3200 | 714 |
| GW 96 988 | 50 | 3500 | 714 |
| GW 96 988 | 50 | 3500 | 714 |
| GW 96 989 | 20 | 1400 | 714 |
| GW 96 990 | 20 | 1400 | 714 |
| GW 96 991 | 15 | 225 | 714 |
| GW 96 992 | 50 | 10500 | 714 |
| GW 96 993 | 25 | 5250 | 714 |
| GW 96 994 | 25 | 5250 | 714 |
| GW 96 995 | 20 | 4200 | 714 |
| GW 96 996 | 50 | 3150 | 714 |
| GW 96 997 | 20 | 1400 | 714 |
| GW 96 998 | 20 | 1260 | 714 |
| GW 96 999 | 15 | 735 | 714 |

| GW97 | | | |
|-----------|---|---|-----|
| GW 97 601 | 1 | 5 | 785 |
| GW 97 602 | 1 | 5 | 785 |
| GW 97 604 | 1 | 5 | 785 |
| GW 97 605 | 1 | 5 | 785 |
| GW 97 607 | 1 | 5 | 785 |
| GW 97 608 | 1 | 5 | 785 |
| GW 97 610 | 1 | 5 | 785 |
| GW 97 611 | 1 | 5 | 785 |
| GW 97 613 | 1 | 5 | 785 |
| GW 97 614 | 1 | 5 | 785 |
| GW 97 616 | 1 | 5 | 785 |
| GW 97 617 | 1 | 5 | 785 |
| GW 97 619 | 1 | 5 | 785 |
| GW 97 620 | 1 | 5 | 785 |
| GW 97 622 | 1 | 5 | 785 |
| GW 97 623 | 1 | 5 | 785 |
| GW 97 625 | 1 | 5 | 785 |
| GW 97 626 | 1 | 5 | 785 |
| GW 97 628 | 1 | 5 | 785 |
| GW 97 629 | 1 | 5 | 785 |
| GW 97 631 | 1 | 5 | 785 |
| GW 97 632 | 1 | 5 | 785 |
| GW 97 634 | 1 | 5 | 785 |
| GW 97 635 | 1 | 5 | 785 |
| GW 97 637 | 1 | 5 | 785 |
| GW 97 638 | 1 | 5 | 785 |
| GW 97 640 | 1 | 5 | 785 |
| GW 97 641 | 1 | 5 | 785 |
| GW 97 643 | 1 | 5 | 785 |
| GW 97 644 | 1 | 5 | 785 |
| GW 97 646 | 1 | 5 | 785 |
| GW 97 647 | 1 | 5 | 785 |
| GW 97 649 | 1 | 5 | 786 |
| GW 97 650 | 1 | 5 | 786 |
| GW 97 652 | 1 | 5 | 786 |
| GW 97 653 | 1 | 5 | 786 |
| GW 97 655 | 1 | 5 | 786 |
| GW 97 656 | 1 | 5 | 786 |
| GW 97 658 | 1 | 5 | 786 |
| GW 97 659 | 1 | 5 | 786 |
| GW 97 661 | 1 | 5 | 786 |
| GW 97 662 | 1 | 5 | 786 |
| GW 97 664 | 1 | 5 | 786 |
| GW 97 665 | 1 | 5 | 786 |
| GW 97 667 | 1 | 5 | 786 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 97 668 | 1 | 5 | 786 |
| GW 97 670 | 1 | 5 | 786 |
| GW 97 671 | 1 | 5 | 786 |
| GW 97 715 | 1 | 5 | 788 |
| GW 97 716 | 1 | 5 | 788 |
| GW 97 718 | 1 | 5 | 788 |
| GW 97 719 | 1 | 5 | 788 |
| GW 97 721 | 1 | 228 | 817 |
| GW 97 722 | 1 | 228 | 817 |
| GW 97 723 | 1 | 456 | 817 |
| GW 97 724 | 1 | 228 | 817 |
| GW 97 725 | 1 | 228 | 817 |
| GW 97 726 | 1 | 504 | 817 |
| GW 97 727 | 1 | 224 | 817 |
| GW 97 728 | 1 | 224 | 817 |
| GW 97 729 | 1 | 126 | 817 |
| GW 97 730 | 1 | 126 | 817 |
| GW 97 731 | 1 | 48 | 818 |
| GW 97 732 | 1 | 48 | 818 |
| GW 97 733 | 1 | 48 | 818 |
| GW 97 734 | 1 | 48 | 818 |
| GW 97 761 | 1 | 144 | 818 |
| GW 97 767 | 1 | 24 | 818 |
| GW 97 772 | 1 | 150 | 819 |
| GW 97 773 | 1 | 117 | 819 |
| GW 97 774 | 1 | 117 | 819 |
| GW 97 775 | 1 | 117 | 819 |

| GW98 | | | |
|-----------|---|-----|-----|
| GW 98 221 | 1 | 4 | 795 |
| GW 98 222 | 1 | 4 | 795 |
| GW 98 223 | 1 | 4 | 795 |
| GW 98 224 | 1 | 4 | 795 |
| GW 98 225 | 1 | 8 | 795 |
| GW 98 226 | 1 | 16 | 795 |
| GW 98 227 | 1 | 16 | 795 |
| GW 98 228 | 1 | 8 | 795 |
| GW 98 260 | 1 | 280 | 797 |
| GW 98 261 | 1 | 264 | 797 |
| GW 98 263 | 1 | 160 | 797 |
| GW 98 264 | 1 | 280 | 797 |
| GW 98 265 | 1 | 160 | 797 |
| GW 98 268 | 1 | 0 | 798 |
| GW 98 281 | 1 | 264 | 797 |
| GW 98 282 | 1 | 132 | 797 |
| GW 98 284 | 1 | 132 | 797 |
| GW 98 285 | 1 | 160 | 797 |
| GW 98 286 | 1 | 160 | 797 |
| GW 98 288 | 1 | 132 | 797 |
| GW 98 289 | 1 | 160 | 797 |
| GW 98 291 | 1 | 132 | 797 |
| GW 98 292 | 1 | 132 | 797 |
| GW 98 295 | 1 | 160 | 796 |
| GW 98 296 | 1 | 780 | 796 |
| GW 98 300 | 1 | 160 | 798 |
| GW 98 301 | 1 | 264 | 798 |
| GW 98 305 | 1 | 36 | 798 |
| GW 98 306 | 1 | 160 | 798 |
| GW 98 307 | 1 | 264 | 798 |
| GW 98 310 | 1 | 264 | 796 |
| GW 98 311 | 1 | 780 | 796 |
| GW 98 326 | 1 | 16 | 799 |
| GW 98 331 | 1 | 16 | 799 |
| GW 98 332 | 1 | 16 | 799 |

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|-----------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW 98 335 | 1 | 160 | 796 |
| GW 98 336 | 1 | 640 | 796 |
| GW 98 344 | 1 | 24 | 799 |
| GW 98 345 | 1 | 72 | 799 |
| GW 98 346 | 1 | 72 | 799 |
| GW 98 354 | 1 | 18 | 800 |
| GW 98 355 | 1 | 0 | 800 |
| GW 98 356 | 1 | 0 | 800 |
| GW 98 361 | 1 | 96 | 800 |
| GW 98 362 | 1 | 100 | 800 |
| GW 98 364 | 1 | 0 | 801 |
| GW 98 365 | 1 | 0 | 801 |
| GW 98 366 | 1 | 160 | 801 |
| GW 98 367 | 1 | 160 | 796 |
| GW 98 380 | 1 | 5 | 802 |
| GW 98 389 | 1 | 84 | 803 |
| GW 98 390 | 1 | 160 | 803 |
| GW 98 399 | 1 | 90 | 803 |
| GW 98 400 | 1 | 90 | 803 |
| GW 98 401 | 1 | 84 | 803 |
| GW 98 421 | 1 | 0 | 804 |
| GW 98 422 | 1 | 0 | 804 |
| GW 98 424 | 1 | 195 | 798 |
| GW 98 434 | 1 | 80 | 805 |
| GW 98 435 | 1 | 80 | 805 |
| GW 98 456 | 1 | 30 | 806 |
| GW 98 457 | 1 | 24 | 806 |
| GW 98 458 | 1 | 0 | 807 |
| GW 98 481 | 1 | 280 | 796 |
| GW 98 482 | 1 | 280 | 796 |
| GW 98 483 | 1 | 280 | 796 |
| GW 98 484 | 1 | 280 | 796 |
| GW 98 485 | 1 | 160 | 796 |
| GW 98 486 | 1 | 160 | 796 |
| GW 98 487 | 1 | 280 | 796 |
| GW 98 490 | 1 | 280 | 800 |
| GW 98 508 | 1 | 960 | 819 |
| GW 98 509 | 1 | 320 | 819 |
| GW 98 510 | 1 | 320 | 819 |
| GW 98 511 | 1 | 320 | 819 |
| GW 98 512 | 1 | 320 | 819 |
| GW 98 514 | 1 | 3900 | 819 |
| GW 98 515 | 1 | 4680 | 819 |
| GW 98 516 | 1 | 1560 | 819 |
| GW 98 517 | 1 | 609 | 819 |
| GW 98 521 | 1 | 1160 | 818 |
| GW 98 522 | 1 | 150 | 818 |
| GW 98 523 | 1 | 1160 | 818 |
| GW 98 524 | 1 | 1160 | 818 |
| GW 98 525 | 1 | 360 | 818 |

| GWA1 | | | |
|-----------|-----|---|-----|
| GW A1 514 | 1 | 0 | 115 |
| GW A1 514 | 1 | 0 | 163 |
| GW A1 514 | 1 | 0 | 211 |
| GW A1 514 | 1 | 0 | 336 |
| GW A1 514 | 1 | 0 | 362 |
| GW A1 521 | 1/4 | 0 | 115 |
| GW A1 521 | 1/4 | 0 | 163 |
| GW A1 521 | 1/4 | 0 | 211 |
| GW A1 521 | 1/4 | 0 | 336 |
| GW A1 521 | 1/4 | 0 | 362 |
| GW A1 523 | 1/4 | 0 | 730 |
| GW A1 526 | 1/4 | 0 | 730 |

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|-------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW A1 911 | 1 | 0 | 731 |
| GW A1 912 | 1 | 0 | 731 |
| GW A1 916 | 1/6 | 0 | 730 |
| GWA9 | | | |
| GW A9 108 | 1 | 64 | 532 |
| GW A9 126 | 1 | 40 | 533 |
| GW A9 301 | 1 | 168 | 534 |
| GW A9 302 | 1 | 224 | 534 |
| GW A9 313 | 1 | 96 | 534 |
| GW A9 350 | 1/48 | 3072 | 503 |
| GW A9 350 | 1/48 | 3072 | 534 |
| GW A9 351 | 1 | 112 | 503 |
| GW A9 352 | 1 | 112 | 503 |
| GW A9 421 | 1 | 117 | 521 |
| GW A9 471 | 1 | 117 | 494 |
| GW A9 531 | 1 | 224 | 529 |
| GW A9 532 | 1 | 288 | 530 |
| GW A9 540 | 1 | 800 | 530 |
| GW A9 541 | 1 | 300 | 530 |
| GW A9 542 | 1 | 240 | 530 |
| GW A9 705 | 1/8 | 960 | 492 |
| GW A9 705 | 1/8 | 960 | 517 |
| GW A9 707 | 1/8 | 936 | 517 |
| GW A9 781 | 1 | 100 | 541 |
| GW A9 782 | 1 | 100 | 541 |
| GW A9 783 | 1 | 100 | 541 |
| GW A9 784 | 1 | 100 | 541 |
| GWD0 | | | |
| GW D0 951 ① | 1/4 | 0 | 649 |
| GW D0 953 ② | 1/4 | 0 | 649 |
| GW D0 971 ① | 1/4 | 0 | 645 |
| GW D0 976 ① | 1/4 | 0 | 645 |
| GW D0 978 ① | 1/4 | 0 | 645 |
| GW D0 991 ① | 1/4 | 0 | 647 |
| GW D0 996 ① | 1/4 | 0 | 647 |
| GW D0 998 ① | 1/4 | 0 | 647 |
| GWD4 | | | |
| GW D4 001 | 1/6 | 696 | 701 |
| GW D4 002 | 1/6 | 1218 | 701 |
| GW D4 003 | 1/6 | 696 | 701 |
| GW D4 004 | 1/6 | 696 | 701 |
| GW D4 011 | 1/6 | 696 | 703 |
| GW D4 012 | 1/6 | 696 | 703 |
| GW D4 013 | 1/6 | 1218 | 703 |
| GW D4 014 | 1/6 | 696 | 703 |
| GW D4 022 | 1/6 | 1218 | 701 |
| GW D4 023 | 1/6 | 696 | 701 |
| GW D4 024 | 1/6 | 696 | 701 |
| GW D4 025 | 1/6 | 696 | 701 |
| GW D4 032 | 1/6 | 1218 | 703 |
| GW D4 033 | 1/6 | 696 | 703 |
| GW D4 034 | 1/6 | 696 | 703 |
| GW D4 035 | 1/6 | 696 | 703 |
| GW D4 042 | 1/6 | 696 | 701 |
| GW D4 043 | 1/6 | 696 | 701 |
| GW D4 044 | 1/6 | 696 | 701 |
| GW D4 045 | 1/6 | 696 | 701 |
| GW D4 052 | 1/6 | 696 | 703 |
| GW D4 053 | 1/6 | 696 | 703 |
| GW D4 054 | 1/6 | 696 | 703 |
| GW D4 055 | 1/6 | 696 | 703 |
| GW D4 062 | 1/6 | 696 | 701 |

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|---------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW D4 063 | 1/6 | 0 | 701 |
| GW D4 064 | 1/6 | 696 | 701 |
| GW D4 072 | 1/6 | 696 | 703 |
| GW D4 073 | 1/6 | 696 | 703 |
| GW D4 074 | 1/6 | 696 | 703 |
| GW D4 082 | 1/6 | 0 | 701 |
| GW D4 084 | 1/6 | 0 | 701 |
| GW D4 092 | 1/6 | 0 | 703 |
| GW D4 093 | 1/6 | 0 | 703 |
| GW D4 094 | 1/6 | 0 | 703 |
| GW D4 102 | 1/3 | 348 | 701 |
| GW D4 103 | 1/3 | 348 | 701 |
| GW D4 104 | 1/3 | 348 | 701 |
| GW D4 111 | 1/3 | 348 | 703 |
| GW D4 112 | 1/3 | 348 | 703 |
| GW D4 113 | 1/3 | 348 | 703 |
| GW D4 114 | 1/3 | 348 | 703 |
| GW D4 122 | 1/3 | 348 | 701 |
| GW D4 123 | 1/3 | 348 | 701 |
| GW D4 124 | 1/3 | 348 | 701 |
| GW D4 125 | 1/3 | 348 | 701 |
| GW D4 132 | 1/3 | 609 | 703 |
| GW D4 133 | 1/3 | 261 | 703 |
| GW D4 134 | 1/3 | 348 | 703 |
| GW D4 135 | 1/3 | 348 | 703 |
| GW D4 142 | 1/3 | 348 | 701 |
| GW D4 143 | 1/3 | 348 | 701 |
| GW D4 144 | 1/3 | 348 | 701 |
| GW D4 145 | 1/3 | 348 | 701 |
| GW D4 152 | 1/3 | 348 | 703 |
| GW D4 153 | 1/3 | 348 | 703 |
| GW D4 154 | 1/3 | 348 | 703 |
| GW D4 155 | 1/3 | 348 | 703 |
| GW D4 162 | 1/3 | 348 | 701 |
| GW D4 163 | 1/3 | 348 | 701 |
| GW D4 164 | 1/3 | 348 | 701 |
| GW D4 172 | 1/3 | 348 | 703 |
| GW D4 173 | 1/3 | 348 | 703 |
| GW D4 174 | 1/3 | 348 | 703 |
| GW D4 182 | 1/3 | 348 | 701 |
| GW D4 183 | 1/3 | 348 | 701 |
| GW D4 184 | 1/3 | 348 | 701 |
| GW D4 185 | 1/3 | 348 | 701 |
| GW D4 192 | 1/3 | 348 | 703 |
| GW D4 193 | 1/3 | 348 | 703 |
| GW D4 194 | 1/3 | 348 | 703 |
| GW D4 195 | 1/3 | 348 | 703 |
| GW D4 202 | 1/6 | 696 | 704 |
| GW D4 203 | 1/6 | 696 | 704 |
| GW D4 205 | 1/6 | 696 | 704 |
| GW D4 206 | 1/6 | 696 | 704 |
| GW D4 208 | 1/6 | 696 | 704 |
| GW D4 209 | 1/6 | 696 | 704 |
| GW D4 211 | 1/6 | 0 | 704 |
| GW D4 217 | 1/3 | 348 | 704 |
| GW D4 218 | 1/3 | 348 | 704 |
| GW D4 220 | 1/3 | 348 | 704 |
| GW D4 221 | 1/3 | 348 | 704 |
| GW D4 223 | 1/3 | 348 | 704 |
| GW D4 224 | 1/3 | 348 | 704 |
| GW D4 226 | 1/3 | 348 | 704 |
| GW D4 227 | 1/3 | 348 | 704 |
| GW D4 227 P ① | 1/4 | 0 | 646 |
| GW D4 227 R ① | 1/4 | 0 | 646 |

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|---------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW D4 229 P ① | 1/4 | 0 | 646 |
| GW D4 229 R ① | 1/4 | 0 | 646 |
| GW D4 234 | 1/6 | 696 | 704 |
| GW D4 235 | 1/6 | 696 | 704 |
| GW D4 237 | 1/6 | 696 | 704 |
| GW D4 238 | 1/6 | 696 | 704 |
| GW D4 240 | 1/6 | 696 | 704 |
| GW D4 243 | 1/6 | 0 | 704 |
| GW D4 244 | 1/6 | 0 | 704 |
| GW D4 249 | 1/3 | 348 | 704 |
| GW D4 250 | 1/3 | 348 | 704 |
| GW D4 252 | 1/3 | 348 | 704 |
| GW D4 253 | 1/3 | 348 | 704 |
| GW D4 255 | 1/3 | 348 | 704 |
| GW D4 258 | 1/3 | 348 | 704 |
| GW D4 259 | 1/3 | 0 | 704 |
| GW D4 302 | 1/3 | 348 | 702 |
| GW D4 304 | 1/3 | 348 | 702 |
| GW D4 312 | 1/3 | 348 | 703 |
| GW D4 314 | 1/3 | 348 | 703 |
| GW D4 317 | 1/3 | 0 | 704 |
| GW D4 322 | 1/3 | 348 | 702 |
| GW D4 324 | 1/3 | 348 | 702 |
| GW D4 332 | 1/3 | 348 | 703 |
| GW D4 334 | 1/3 | 348 | 703 |
| GW D4 337 | 1/3 | 0 | 704 |
| GW D4 342 | 1/3 | 348 | 702 |
| GW D4 344 | 1/3 | 348 | 702 |
| GW D4 352 | 1/3 | 348 | 703 |
| GW D4 354 | 1/3 | 348 | 703 |
| GW D4 357 | 1/3 | 0 | 704 |
| GW D4 362 | 1/3 | 348 | 702 |
| GW D4 364 | 1/3 | 348 | 702 |
| GW D4 382 | 1/3 | 348 | 702 |
| GW D4 384 | 1/3 | 348 | 702 |
| GW D4 427 | 1/3 | 348 | 700 |
| GW D4 429 | 1/3 | 348 | 700 |
| GW D4 431 | 1/3 | 348 | 700 |
| GW D4 433 | 1/3 | 348 | 700 |
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| GW D4 439 | 1/3 | 348 | 700 |
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| GW D4 445 | 1/3 | 348 | 700 |
| GW D4 447 | 1/3 | 348 | 700 |
| GW D4 449 | 1/3 | 348 | 700 |
| GW D4 617 | 1/6 | 1218 | 700 |
| GW D4 627 | 1/6 | 1218 | 700 |
| GW D4 817 | 1/6 | 1218 | 700 |
| GW D4 817 P ① | 1/4 | 0 | 644 |
| GW D4 817 R ① | 1/4 | 0 | 644 |
| GW D4 827 | 1/6 | 1218 | 700 |
| GW D4 827 P ① | 1/4 | 0 | 644 |
| GW D4 827 R ① | 1/4 | 0 | 644 |
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| GW D6 007 | 1/16 | 928 | 712 |
| GW D6 010 | 1/16 | 928 | 712 |
| GW D6 013 | 1/8 | 928 | 712 |
| GW D6 015 | 1/8 | 928 | 712 |
| GW D6 026 | 1/50 | 6000 | 713 |
| GW D6 027 | 1/10 | 1200 | 713 |

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| GW D6 405 | 1 | 96 | 719 |
| GW D6 407 | 1 | 696 | 719 |
| GW D6 409 | 1 | 348 | 719 |
| GW D6 411 | 1 | 1044 | 719 |
| GW D6 412 | 1 | 1044 | 719 |
| GW D6 413 | 1 | 1044 | 719 |
| GW D6 417 | 1 | 696 | 719 |
| GW D6 418 | 1 | 1218 | 719 |
| GW D6 419 | 1 | 348 | 719 |
| GW D6 420 | 1 | 348 | 719 |
| GW D6 426 | 1 | 480 | 719 |
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| GW D6 428 | 1 | 464 | 719 |
| GW D6 428 | 1 | 464 | 746 |
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| GW D6 433 | 1 | 1392 | 720 |
| GW D6 434 | 1 | 696 | 720 |
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| GW D6 436 | 1 | 756 | 720 |
| GW D6 438 | 1 | 756 | 720 |
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| GW D6 443 | 1 | 420 | 720 |
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| GW D6 467 | 1/4 | 80 | 720 |
| GW D6 468 | 1/4 | 80 | 720 |
| GW D6 474 | 1/4 | 120 | 720 |
| GW D6 475 | 1/4 | 120 | 720 |
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| GW D6 602 | 6/24 | 1920 | 726 |
| GW D6 603 | 6/24 | 1920 | 726 |
| GW D6 604 | 6/24 | 1920 | 726 |
| GW D6 606 | 6/24 | 1920 | 726 |
| GW D6 608 | 6/24 | 1920 | 726 |
| GW D6 610 | 6/24 | 1920 | 726 |
| GW D6 611 | 6/24 | 1920 | 726 |
| GW D6 617 | 6/24 | 1920 | 726 |
| GW D6 618 | 6/24 | 1920 | 726 |
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| GW D6 627 | 3/12 | 960 | 726 |
| GW D6 629 | 3/12 | 960 | 726 |
| GW D6 630 | 3/12 | 960 | 726 |
| GW D6 632 | 3/12 | 960 | 726 |
| GW D6 633 | 3/12 | 960 | 726 |
| GW D6 634 | 3/12 | 960 | 726 |
| GW D6 641 | 6/24 | 1536 | 727 |
| GW D6 642 | 6/24 | 1536 | 727 |
| GW D6 643 | 6/24 | 1536 | 727 |
| GW D6 644 | 6/24 | 2304 | 727 |
| GW D6 646 | 6/24 | 1536 | 727 |
| GW D6 647 | 6/24 | 1536 | 727 |
| GW D6 648 | 6/24 | 1536 | 727 |
| GW D6 649 | 6/24 | 1536 | 727 |

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| GW D6 657 | 6/24 | 1536 | 727 |
| GW D6 658 | 6/24 | 1536 | 727 |
| GW D6 659 | 6/24 | 1536 | 727 |
| GW D6 663 | 3/12 | 768 | 727 |
| GW D6 664 | 3/12 | 768 | 727 |
| GW D6 667 | 3/12 | 768 | 727 |
| GW D6 668 | 3/12 | 0 | 727 |
| GW D6 669 | 3/12 | 768 | 727 |
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| GW D6 672 | 1/20 | 1600 | 728 |
| GW D6 676 | 1/20 | 1600 | 728 |
| GW D6 677 | 1/20 | 1600 | 728 |
| GW D6 678 | 1/20 | 1600 | 728 |
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| GW D6 702 | 6/24 | 1920 | 725 |
| GW D6 703 | 6/24 | 1920 | 725 |
| GW D6 705 | 6/24 | 1920 | 725 |
| GW D6 706 | 6/24 | 1920 | 725 |
| GW D6 707 | 6/24 | 1920 | 725 |
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| GW D6 709 | 3/12 | 768 | 725 |
| GW D6 711 | 3/12 | 960 | 725 |
| GW D6 712 | 3/12 | 960 | 725 |
| GW D6 713 | 3/12 | 960 | 725 |
| GW D6 714 | 3/12 | 960 | 725 |
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| GW D6 718 | 3/12 | 960 | 725 |
| GW D6 721 | 2/8 | 640 | 725 |
| GW D6 722 | 2/8 | 640 | 725 |
| GW D6 723 | 2/8 | 640 | 725 |
| GW D6 724 | 2/8 | 1280 | 725 |
| GW D6 725 | 2/8 | 640 | 725 |
| GW D6 731 | 2/8 | 640 | 725 |
| GW D6 732 | 2/8 | 640 | 725 |
| GW D6 733 | 2/8 | 640 | 725 |
| GW D6 734 | 2/8 | 640 | 725 |
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| GW D6 751 | 3/12 | 960 | 725 |
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| GW D6 754 | 3/12 | 960 | 725 |
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| GW D6 763 | 1/10 | 1920 | 727 |
| GW D6 764 | 1/10 | 960 | 727 |
| GW D6 765 | 1/10 | 640 | 727 |
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| GW D6 766 | 12 | 1404 | 726 |
| GW D6 766 | 12 | 1404 | 728 |
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| GW D6 801 | 1/5 | 580 | 539 |
| GW D6 801 | 1/5 | 580 | 736 |
| GW D6 802 | 1/5 | 800 | 508 |
| GW D6 802 | 1/5 | 800 | 539 |
| GW D6 802 | 1/5 | 800 | 736 |

| Code | Quantity | | Page |
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| | Pack/carton | Pallet | |
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| GW D6 807 | 1/2 | 80 | 508 |
| GW D6 807 | 1/2 | 80 | 539 |
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| GW D6 808 | 1/2 | 80 | 508 |
| GW D6 808 | 1/2 | 80 | 539 |
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| GW D6 809 | 1/2 | 80 | 508 |
| GW D6 809 | 1/2 | 80 | 539 |
| GW D6 809 | 1/2 | 80 | 736 |
| GW D6 820 | 1/5 | 800 | 736 |
| GW D6 916 | 1/6 | 540 | 730 |

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| GW D7 005 | 1 | 96 | 765 |
| GW D7 006 | 1 | 96 | 765 |
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| GW D7 083 | 1 | 96 | 767 |
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| GW D7 085 | 1 | 96 | 767 |
| GW D7 086 | 1 | 96 | 767 |
| GW D7 087 | 1 | 96 | 767 |
| GW D7 091 | 1 | 96 | 767 |
| GW D7 092 | 1 | 96 | 767 |

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| GW D7 168 | 1 | 96 | 768 |

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| Code | Quantity | | Page |
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| GW D7 902 | 1 | 96 | 786 |
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| GW D7 913 | 1 | 8 | 788 |
| GW D7 914 | 1 | 8 | 788 |
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| GW D7 932 | 1 | 144 | 767 |

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| GW D7 938 | 1 | 90 | 767 |
| GW D7 939 | 1 | 50 | 767 |
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| GW D8 002 | 1 | 116 | 789 |
| GW D8 003 | 1 | 116 | 789 |
| GW D8 004 | 1 | 72 | 789 |
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| GW D8 010 | 1 | 42 | 790 |
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| GW D8 012 | 1 | 117 | 793 |
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| GW D8 038 | 1 | 4 | 794 |
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| Code | Quantity | | Page |
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| GW D8 067 | 1 | 116 | 792 |
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| GW D8 069 | 1 | 64 | 793 |
| GW D8 070 | 1 | 64 | 793 |
| GW D8 071 | 1 | 64 | 793 |
| GW D8 072 | 1 | 16 | 794 |
| GW D8 073 | 1 | 16 | 794 |
| GW D8 079 | 1 | 12 | 792 |
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| GW D8 086 | 1 | 195 | 796 |
| GW D8 087 | 1 | 195 | 796 |
| GW D8 091 | 1 | 195 | 797 |
| GW D8 092 | 1 | 144 | 797 |
| GW D8 093 | 1 | 160 | 797 |
| GW D8 094 | 1 | 116 | 797 |
| GW D8 101 | 1 | 195 | 797 |
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| GW D8 103 | 1 | 195 | 797 |
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| GW D8 105 | 1 | 195 | 797 |
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| GW D8 119 | 1 | 195 | 797 |
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| GW D8 125 | 1 | 195 | 797 |
| GW D8 126 | 1 | 195 | 797 |
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| GW D8 135 | 1 | 195 | 796 |
| GW D8 136 | 1 | 160 | 798 |
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| GW D8 160 | 1 | 195 | 796 |
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| GW D8 166 | 1 | 195 | 796 |
| GW D8 167 | 1 | 195 | 796 |
| GW D8 171 | 1 | 96 | 799 |
| GW D8 172 | 1 | 96 | 799 |
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| GW D8 174 | 1 | 96 | 799 |
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| GW D8 195 | 1 | 200 | 800 |
| GW D8 196 | 1 | 0 | 800 |
| GW D8 197 | 1 | 195 | 800 |
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| GW D8 202 | 1 | 0 | 800 |
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| GW D8 210 | 1 | 195 | 801 |
| GW D8 213 | 1 | 195 | 801 |
| GW D8 214 | 1 | 195 | 801 |
| GW D8 217 | 1 | 195 | 801 |
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| GW D8 239 | 1 | 195 | 802 |
| GW D8 241 | 1 | 24 | 788 |
| GW D8 242 | 1 | 30 | 788 |
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| GW D8 272 | 1 | 195 | 806 |
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| GW D8 274 | 1 | 144 | 806 |
| GW D8 275 | 1 | 64 | 806 |
| GW D8 276 | 1 | 64 | 806 |
| GW D8 281 | 1 | 195 | 806 |
| GW D8 282 | 1 | 195 | 806 |
| GW D8 283 | 1 | 160 | 806 |

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| GW D8 295 | 1 | 195 | 806 |
| GW D8 296 | 1 | 116 | 806 |
| GW D8 301 | 1 | 195 | 806 |
| GW D8 302 | 1 | 195 | 806 |
| GW D8 303 | 1 | 195 | 806 |
| GW D8 304 | 1 | 195 | 806 |
| GW D8 305 | 1 | 116 | 806 |
| GW D8 306 | 1 | 42 | 806 |
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| GW D8 324 | 1 | 195 | 803 |
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| GW D8 382 | 1 | 195 | 804 |

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| GW D8 388 | 1 | 160 | 804 |
| GW D8 391 | 1 | 160 | 804 |
| GW D8 392 | 1 | 116 | 804 |
| GW D8 393 | 1 | 160 | 804 |
| GW D8 394 | 1 | 116 | 804 |
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| GW D8 402 | 1 | 195 | 805 |
| GW D8 403 | 1 | 195 | 805 |
| GW D8 404 | 1 | 195 | 805 |
| GW D8 405 | 1 | 116 | 805 |
| GW D8 406 | 1 | 195 | 805 |
| GW D8 407 | 1 | 195 | 805 |
| GW D8 408 | 1 | 195 | 805 |
| GW D8 409 | 1 | 195 | 805 |
| GW D8 410 | 1 | 116 | 805 |
| GW D8 416 | 1 | 195 | 805 |
| GW D8 417 | 1 | 195 | 805 |
| GW D8 418 | 1 | 195 | 805 |
| GW D8 421 | 1 | 66 | 807 |
| GW D8 422 | 1 | 60 | 807 |

GWD9

| | | | |
|-----------|---|----|-----|
| GW D9 901 | 1 | 28 | 746 |
| GW D9 902 | 1 | 20 | 746 |
| GW D9 903 | 1 | 20 | 746 |
| GW D9 906 | 1 | 20 | 746 |
| GW D9 907 | 1 | 20 | 746 |
| GW D9 908 | 1 | 20 | 746 |

GWN1

| | | | |
|--------------|---|-----|-----|
| GW N1 002 | 1 | 8 | 620 |
| GW N1 003 | 1 | 8 | 620 |
| GW N1 012 | 1 | 15 | 620 |
| GW N1 014 | 1 | 30 | 620 |
| GW N1 022 | 1 | 15 | 620 |
| GW N1 024 | 1 | 30 | 620 |
| GW N1 031 | 1 | 10 | 620 |
| GW N1 042 XB | 1 | 30 | 621 |
| GW N1 043 XB | 1 | 30 | 621 |
| GW N1 051 XB | 1 | 15 | 621 |
| GW N1 062 XB | 1 | 30 | 621 |
| GW N1 064 XB | 1 | 20 | 621 |
| GW N1 066 XB | 1 | 10 | 621 |
| GW N1 071 XB | 1 | 30 | 621 |
| GW N1 072 XB | 1 | 8 | 621 |
| GW N1 077 XB | 1 | 30 | 621 |
| GW N1 078 XB | 1 | 30 | 621 |
| GW N1 101 CF | 1 | 16 | 622 |
| GW N1 101 CP | 1 | 16 | 622 |
| GW N1 101 XB | 1 | 16 | 622 |
| GW N1 111 CF | 1 | 16 | 622 |
| GW N1 111 CP | 1 | 16 | 622 |
| GW N1 111 XB | 1 | 16 | 622 |
| GW N1 121 XB | 1 | 30 | 622 |
| GW N1 122 XB | 1 | 20 | 623 |
| GW N1 124 XB | 1 | 30 | 623 |
| GW N1 131 | 1 | 160 | 623 |
| GW N1 132 | 1 | 160 | 623 |
| GW N1 133 | 1 | 8 | 624 |
| GW N1 134 | 1 | 160 | 624 |

| Code | Quantity | | Page |
|--------------|-------------|--------|------|
| | Pack/carton | Pallet | |
| GW N1 135 | 1/10 | 1600 | 624 |
| GW N1 201 XB | 1 | 0 | 616 |
| GW N1 231 XB | 1 | 0 | 616 |
| GW N1 261 XB | 1 | 0 | 617 |
| GW N1 401 XB | 1 | 0 | 617 |
| GW N1 431 CP | 1 | 0 | 617 |
| GW N1 461 XB | 1 | 0 | 617 |
| GW N1 601 XB | 1 | 1 | 618 |
| GW N1 631 XB | 1 | 0 | 618 |
| GW N1 661 XB | 1 | 0 | 618 |
| GW N1 801 XB | 1 | 1 | 619 |
| GW N1 831 CP | 1 | 1 | 619 |
| GW N1 861 XB | 1 | 1 | 619 |

| Code | Quantity | | Page |
|------|-------------|--------|------|
| | Pack/carton | Pallet | |

1. DEFINITIONS

1.1 In these General Sales Conditions the terms hereunder have the meaning as specified for each one of them:

- a) "GEWISS": the company GEWISS S.p.A.;
- b) "PURCHASER": the subject, natural person or legal entity requesting the purchase of GEWISS products;
- c) "PARTY" or "PARTIES": GEWISS and the PURCHASER individually or jointly considered;
- d) "ORDER" or "ORDERS": the purchase order or orders issued by the PURCHASER to GEWISS;
- e) "PRODUCTS": all the products offered by GEWISS and described in catalogues, drawings, technical sheets or its brochures;
- f) "GENERAL CONDITIONS": the general sales conditions hereunder.

2. SCOPE OF APPLICATION

2.1 The GENERAL CONDITIONS apply to all sales made between GEWISS and the PURCHASER whose subject matter is the PRODUCTS. As of 01.01.2017 these GENERAL CONDITIONS replace GEWISS' previous general sales conditions.

2.2 The PURCHASER cannot demand or take exception to conditions other than those contained in the GENERAL CONDITIONS. Therefore, any conditions set out in writing by the PURCHASER on the ORDER shall not be valid, or those in any other phase of the contractual negotiations as well as after the acceptance or knowledge of the GENERAL CONDITIONS, as well as any general purchasing conditions of the PURCHASER. To this end, the performance, even partial, of the ORDER by GEWISS or fulfilment of any other obligation in terms of the PURCHASER are not valid and cannot be interpreted as tacit or implicit acceptance of any general condition which has not been explicitly signed by GEWISS.

2.3 The GENERAL CONDITIONS are only valid for contractual relationships between GEWISS and professional operators, thus the Italian Legislative Decree no. 206 of 6th September 2005 (Consumer Law) is not applicable.

2.4 In the event of differences, unless otherwise agreed in writing between the PARTIES (for example in the sales conditions letter or in a specific contract) these GENERAL CONDITIONS shall have precedence.

3. PROCEDURE FOR FINALISING THE SALES CONTRACT

3.1 The ORDER sent by the PURCHASER to GEWISS constitutes an irrevocable contractual proposal which is binding for 30 days from the time GEWISS learns of it.

3.2 Within this 30 days period GEWISS, at its sole discretion, reserves the right to accept the ORDER or not, and notify the PURCHASER of its decision.

3.3 The sales contract shall be considered finalised following acceptance pursuant to the previous point or with the performance of the ORDER by GEWISS; in this case, the PURCHASER cannot cancel the ORDER without previous written approval from GEWISS and he cannot refuse the ordered PRODUCTS. Up to the time of finalising of the sales contract under the above conditions, offers and estimates made by GEWISS or its agents, representatives and assistants, shall not be binding for GEWISS.

3.4 In the event that the ORDER confirmation from GEWISS differs from the ORDER sent by the PURCHASER, for example but not limited to, the quantity of PRODUCTS, prices, discounts and delivery terms, such confirmation shall be considered as a counterproposal from GEWISS, and must be expressly accepted by the PURCHASER, for the contract to be considered finalised.

3.5 In any case, it is hereby understood that any oral agreement with the PURCHASER related to the sale shall not be binding for GEWISS unless confirmed in writing by

GEWISS.

3.6 In the event that the ORDER is cancelled by the PURCHASER before it is accepted or performed by GEWISS, GEWISS may ask the buyer to reimburse any expenses or charges incurred to perform the ORDER or part of it as well as compensation for any sustained damages.

4. PRICES

4.1 The prices indicated in GEWISS catalogues and price lists are considered VAT excluded for goods delivered EXW Incoterms® 2010 (ex works) of GEWISS, transportation, insurance, packing and assistance expenses excluded.

4.2 Such prices are merely given as a guideline and are not binding on GEWISS in any way, who reserves the right to make changes to the same proportionate to increases in labour, raw material and other cost items and for other causes which occur during the catalogue/price list validity period.

5. DELIVERIES

5.1 Unless otherwise agreed between the PARTIES, the PRODUCTS ARE delivered to the PURCHASER or third party assigned by the PURCHASER as per EXW Incoterms® 2010 (ex works) at GEWISS warehouse.

5.2 The delivery conditions indicated in the Order or order confirmation are not binding for GEWISS.

5.3 GEWISS is not liable for any indemnity or claim for compensation against GEWISS for direct or indirect damages due to delays or partial dispatch of the deliveries, as long as not attributable to fraud or gross negligence by GEWISS.

5.4 In the event that performance of the ORDER is obstructed by the occurrence of force majeure events, lack of regular raw material supplies or sub-supplies or other unpredictable circumstances occurring when the contract is finalised, the delivery dates shall be considered extended, without GEWISS being held liable for the delay and new dates shall be established by the PARTIES. The PURCHASER shall not have the right to refuse the delivery of the PRODUCT.

5.5 If, once the PRODUCTS are ready for shipping to the PURCHASER, and delivery is not made due to circumstances not attributable to GEWISS or due to force majeure, the delivery shall be considered performed for all extents and purposes with a simple notice of goods ready for picking-up to be notified to the PURCHASER by registered letter, fax or e-mail. From the day after sending the above notice, GEWISS shall be due in addition to the agreed upon price, a fee for storage at GEWISS' warehouse totalling 2% of the amount on the invoice for each entire week of delay; in the event of a delay less than a week the percentage shall be calculated in proportion to the days of delay. All risks related to the goods storage period at GEWISS' warehouse are the sole responsibility of the PURCHASER. If the PURCHASER'S refusal to receive the goods lasts for more than 30 days from the notice of goods ready for picking-up, GEWISS shall be entitled to terminate the sale contract and claim for compensation of damages.

6. RISKS

6.1 The risks of the delivery of the PRODUCTS are regulated by Incoterms® 2010 terms which are agreed by the PARTIES.

6.2 The PURCHASER, at the time of receiving the PRODUCTS, must always, in their own interest, check the quantity and conditions before the acceptance and notify the carrier of any damage immediately and in writing. Otherwise, every dispute related to the quantity and conditions of the packed and delivered PRODUCTS shall be refused.

7. QUANTITY AND PACKING

7.1 The ORDERS must comply with the minimum packing

quantities. In the event of ORDERS for lower quantities GEWISS reserves the right to charge the PURCHASER, subject to notification, the lump sum of 5 EUR for each line of bulk PRODUCT ORDER.

7.2 Standard packing are considered included in the sales price, while the costs for any non-standard packing, unless otherwise established between the PARTIES, shall be charged by GEWISS to the PURCHASER.

8. COMPLIANCE WITH PRODUCT STANDARDS

8.1 GEWISS guarantees that all PRODUCTS, which fall under the scope of application of European Directives and Regulations, comply with the essentials requirements set out in them, in order to be put on the market and ordered in European Union. Compliance with the Directives and Regulations is indicated by affixing of the graphic symbol "CE".

8.2 The exportation in some UE or extra UE Countries can be forbidden or require specific documents, mark or certification. The PURCHASER shall contact GEWISS for the relevant information.

9. MODIFICATIONS TO PRODUCTS

9.1 The indications, measurements, drawings and images of the PRODUCTS and related components present in GEWISS catalogues, brochures and websites, and in general all GEWISS technical and informational documentation are given as a guideline and example and are not binding in any way.

9.2 GEWISS, at any time and with no obligation for prior notice, reserves the right to make all of the modifications that it, at its sole discretion, feels opportune for improving the PRODUCT features and performance as well as to meet its own technological and production needs.

9.3 The quality and certification marks mentioned on GEWISS paper material shall be considered in force at the date of the printing of the documents. The updated list of marks is available on the site www.gewiss.com or through the Technical Assistance Service. The updated certification list is available on www.gewiss.com or upon request to the Technical Assistance Service.

10. QUALITY, WARRANTIES AND COMPLAINTS

10.1 All of the PRODUCTS have the qualities necessary for the normal uses for which they are intended, as shown in the technical documentation in effect at the time of sale, which the PURCHASER declares to know and accept. In addition, the PRODUCTS are covered by warranty for their correct operation and warranty for design and manufacturing faults and/or defects for a period of 24 months from the delivery date, with the exception of normal wear and tear parts. Once this period has elapsed the warranty becomes null and void, even if the PRODUCTS have not been put into operation for any reason.

10.2 The warranty is effective as long as the malfunctioning, faults and/or defects are not the result of: assembly or installation errors, failure to comply with or incorrect compliance with the technical specifications contained in the GEWISS catalogue or on any instruction sheets, failure to perform or incorrect maintenance, natural wear and tear, faults caused by inexperience or negligence, poor storage conditions, failure to immediately adopt measures to limit any malfunctions, overloading compared to the limits in the technical instruction, unauthorised intervention, tampering by or requested by the PURCHASER or others, fortuitous event or force majeure. Moreover, the warranty is not effective in case of malfunctioning of the software installed on the PRODUCT, due to overloading, interruption and/or suspension of electric energy.

10.3 Any complaint due to quality defects, failure to operate

Generale sales conditions

or faulty operation or design and manufacturing faults and/or defects of the PRODUCTS must be notified to GEWISS in writing, subject to forfeiture of the warranty:

- within 8 days from delivery of the PRODUCTS in the event of clear faults and/or defects;

- within 8 days from discovery of the faults and/or defects becoming evident following delivery but within two years from the delivery.

10.4 For the complaint to be accepted, the PURCHASER is required to prove in writing the validity of the warranty, the correct storage and installation of the PRODUCT, and to supply GEWISS with adequate documentation proving the FAULTS/DEFECTS.

10.5 The warranty is limited, up to the sole discretion of GEWISS, to replacement of the defective PRODUCTS or components (both with identical or similar products) or by repairing the defective PRODUCTS or components. In any case the accessory expenses of the replacement or repair are excluded from the warranty.

10.6 Both in the case of replacement and repair of the defective PRODUCTS the original warranty period will continue and shall not be considered renewed.

10.7 GEWISS shall not be held liable for any additional warranty obligation, including implicit, resulting from laws, whether statutory or not, in favour of the PURCHASER, including implicit warranties for non-compliance, non-saleable defects and the suitability of the PRODUCTS for a special use.

11. LIABILITY

11.1 Without prejudice to mandatory limits set by law and with the exclusion of fraud and gross negligence, GEWISS shall not be liable for damages resulting from any non-fulfilment, as well as direct and/or indirect damages resulting from PRODUCT faults or defects, their malfunctioning or from repairs or replacements, by means of example and not limited to, loss of profit, loss of savings, loss of reputation, loss of goodwill and interruption of plants where the PRODUCTS are intended to be used.

11.2 GEWISS shall not be held liable for PRODUCTS sold and/or installed in Countries where there are regulations which do not allow their use, for uses which they are not intended or for installations and uses not in compliance with the PRODUCTS technical specifications indicated in the catalogues and instruction handbooks in effect at the time of the sale.

11.3 In the event of revision of the technical specifications and instruction handbook for PRODUCTS already delivered and/or installed during the warranty period, the PURCHASER shall not be covered under warranty for correct operation according to the new technical specifications.

11.4 The PURCHASER agrees to establish in all contracts regarding the PRODUCTS a clause limiting GEWISS' liability substantially identical to that envisaged by this article, assuming the complete and sole liability for the additional movement of PRODUCTS supplied by GEWISS.

12. RETURNS

12.1 Return of the PRODUCTS is not allowed without prior written authorisation from GEWISS, without which the goods shall be delivered again to the PURCHASER at the PURCHASER expenses and risks.

12.2 In the event of authorised return, the PRODUCTS shall be returned carriage paid at the expense and risk of the PURCHASER to GEWISS warehouses, within the term indicated by GEWISS. The PURCHASER shall be credited for the purchase price of the PRODUCTS, minus a minimum amount of 15% for administrative expenses. However, GEWISS reserves the right not to accept the return or to apply a higher percentage for administrative expenses if the

goods are returned after the period indicated above.

12.3 In any case, the return of PRODUCTS not present in the catalogue in effect at the time of the request to return or for which significant changes have been made to the technical specifications is prohibited.

13. PAYMENT OF THE PRICE

13.1 Payments shall be made in compliance with the "Supply Conditions" in the GEWISS catalogue in effect or according to what is otherwise agreed between the PARTIES in writing.

13.2 The delay, even partial of the payment of the invoices beyond their due date shall cause the immediate charging of interest in accordance with the legal measures in force, in addition to debiting of any bank expenses and fees.

13.3 Failure to pay for any reason, as well as failure to fulfil any other obligation by the PURCHASER authorises GEWISS to suspend the sales and related deliveries, as well as demand payment for the entire amount due, without prejudice to its right to withdraw from the ORDER being performed.

13.4 GEWISS also reserves the right to suspend supplies in the event of a significant modification in the PURCHASER'S economic situation, by means of example but not limited to, receivership, settlement with creditors, bankruptcy, transfer of the business, or serious financial difficulty.

13.5 Possible collection expenses or stamp duty for payments received by bank transfer or other forms of payment are at the PURCHASER charge.

13.6 Any discount agreed upon in writing between the PARTIES, is subject to complete compliance with payment due dates. Failure to pay within the agreed due dates shall result in forfeiture of the discount and the PURCHASER who unduly withheld it is obligated to reimburse it.

13.7 Any complaint from the PURCHASER including for late delivery of incomplete supply, shall not give the PURCHASER the right to suspend or delay payment.

13.8 The PURCHASER cannot claim any non-fulfilment of GEWISS', nor claim the warranty as per article 10 above, if not up to date with payments.

14. INTELLECTUAL PROPERTY

14.1 GEWISS shall remain the sole owner of the patents, drawings, designs and anything else used to create the PRODUCTS, which, therefore, the PURCHASER agrees not to give to third parties, reproduce or use, without prior authorization of GEWISS. If the creation of the PRODUCTS is performed by GEWISS based on specific request and technical documentation of the PURCHASER, GEWISS shall not be held liable for the violation of industrial property rights by third parties, which shall be the sole responsibility of the PURCHASER, who agrees to guarantee and indemnify and hold GEWISS harmless from any claims made against it.

14.2 The PURCHASER agrees to use GEWISS trademarks solely for the purposes of identifying, advertising and selling the PRODUCTS, refraining from registering them or having them registered without prior written approval from GEWISS.

14.3 The Purchaser is prevented from registering "gewiss" as domain name as well as any domain which contains words which look like or recall GEWISS.

14.4 Possible links to GEWISS' website and the publication on the PURCHASER's website of contents which refer to GEWISS shall be authorized in writing by the latter beforehand.

15. CONFIDENTIALITY OBLIGATION

15.1 The sales commercial conditions, particularly regarding the budget, incentive and discount conditions, as well as all other documentation or information classified by GEWISS as confidential, have a strictly confidential nature, therefore,

the PURCHASER agrees not to divulge them or communicate them to third parties, nor to use them for purposes other than the finalising and performance of this sales contract, for the period of 5 years after performance of the ORDER.

15.2 GEWISS reserves the right to pursue, including legally, any violations of the aforesaid confidentiality obligation.

16. PRIVACY

16.1 GEWISS agrees to collect and process the personal data it may learn of in compliance with the Italian Legislative Decree 196/2003, with the purposes connected to performing this contract and to fulfil all legal requirements including of a tax or accounting nature. The information is available on the website www.gewiss.com.

17. GEWISS CODE OF ETHICS AND ORGANIZATION, MANAGEMENT AND CONTROL MODEL - ANTI-CORRUPTION POLICY

17.1 The commercial relations governed by the GENERAL CONDITIONS are based on the principles of legality, transparency, correctness and fairness, in accordance with the contents of the Code of Ethics, the Organisation Management and Control Framework adopted by GEWISS and with the principles of the Anti-Corruption Policy available on the website www.gewiss.com. Any notifications about the violation of the aforesaid Framework may be sent using the "notification procedure" available on the website, to the e-mail address ia-odv@gewiss.com.

17.2 If, behaviours are adopted which do not comply with the aforesaid principles, GEWISS shall be entitled to take opportune measures, including cancellation of the ORDERS and request compensation for damages.

18. APPLICABLE LAW, COURT AND LANGUAGE

18.1 All sales contracts finalised by GEWISS, regardless of the PURCHASER'S nationality and place of destination of the PRODUCTS, are governed by Italian laws.

18.2 Application of the Vienna Convention on contracts for the international sale of goods of 11 April 1980 remains expressly excluded, as well as other statutory Conventions concerning international sales and governing conflicts between laws.

18.3 Any dispute arising between the PARTIES shall be submitted to the Italian court and solely to the Court of GEWISS' registered office, without prejudice to GEWISS' right to act at the PURCHASER'S address.

18.4 If these GENERAL CONDITIONS are drafted in more than one language, in case of conflicts, the text in Italian shall be decisive.



WARRANTY CONDITIONS FOR GEWISS PRODUCTS WITH LED TECHNOLOGY

1.

This warranty is provided by Gewiss S.p.A. (hereinafter "Gewiss") in favour of the purchasers (hereinafter "Purchasers" or, individually, the "Purchaser") of Gewiss lighting products with LED technology (hereinafter "Products" or, individually, the "Product"), subject to the condition that the Purchaser has bought the Products in new conditions, in their original package and complete of their handling instructions.

2.

This warranty does not affect, but it is in addition to the guarantee rights provided by law and by Gewiss general sales conditions, or contractually agreed between Gewiss and the Purchaser.

3.

This warranty covers the Product defects, which can be demonstrated to be determined by raw material defects, or by constructive or manufacturing defects, for the period indicated in the table below, starting from the date of purchase of the Product.

| Product | Warranty period |
|--|-----------------|
| Street lighting ranges: Street, Urban and Road | 5 years |
| Smart[Pro] range | 5 years |
| Smart[4] range | 5 years |
| Smart[3] range | 5 years |
| All other LED products | 2 years |

4.

Products shall not be considered defective when at least one of the situations indicated below occurs:

- less than 20% malfunction LEDs in each Product;
- a variation of the light flux up to 0,4%/1.000 working hours, that is considered to be conform to the state of the technology art;
- a defect of the driver not exceeding the nominal failure rate, which is considered equal to 0,1%/1.000 working hours, at the average temperature of 25° C, increased of further 0,1%/1.000 working hours per each 10° C of average temperature, exceeding 25° C;
- Product components subject to wear and tear (such as batteries) and parties subject to a natural aesthetic decay, which does not affect the functionality or the safety of use of the Product.

5.

Gewiss, if the Product falls within the scope of this warranty, shall choose – at its sole discretion – whether to refund the Purchaser of the purchase price of the Product, or to repair the Product, or replace it with a Product of equivalent price and equivalent performances.

6.

Gewiss, when it chooses to repair the Product, may use new or reconditioned parts, guaranteeing in this case that the substitutive components are equivalent to the substituted ones in terms of performance and reliability. Whatever it is the solution chosen by Gewiss, none of these options involves the change or extension of the original warranty term of validity, i.e. starting from the purchase date of the Product.

7.

The Purchaser, subject to forfeiture of the warranty, shall notify the existence of defects to Gewiss e-mail gestioneresi@gewiss.com no later than thirty days from the discovery of the defect, providing at the same time: (i) a document proving the purchase date (for example: purchase invoice) and (ii) the data indicated on the label of the defected Product, including the production lot. Upon receipt of the notification and of the documents indicated above, Gewiss can ask the Purchaser to promptly return the Product directly to Gewiss, or to a sales point authorized by the same.

8.

In any case, the warranty does not apply when the defectiveness of the Product is determined by:

- fire, Acts of God, vandalism, negligence, installation not properly set up or installation carried out by people not adequately qualified, use not allowed or use different than the purpose for which the Product was intended;
- improper installation, wrong supply voltage and wrong wiring of the Products;
- overcoming of the limits foreseen by Gewiss on the Products or packaging labels, on the instructions sheet or, if they are lacking, by the Regulations EN 60598 and EN 61547 concerning: overvoltage, voltage fluctuations, included harmonic oscillations and fast transients, electrostatic discharges, injected power supplies, presence of radio frequency electromagnetic fields, magnetic fields at mains frequency, voltage pulses, dips and short voltage interruptions, induced mechanical vibrations, harmonic oscillations and resonance associated with movements of air circulating around the Product, impacts, shocks, accelerations, aggressive atmospheres, temperature and its rapid changes, humidity, atmospheric pressure, presence of water, presence of sand or dust, solar radiation, thermic irradiation, wind, ice or frost, hail, condensation, contact with chemicals, presence of flora, presence of fauna, presence of moulds, vandalism, inadequate storage or transport conditions, or in any case, any other environmental condition, mechanical, electrical or thermal not expressly permitted;
- improper or inadequate maintenance, if allowed or prescribed by Gewiss, or maintenance performed by a person not adequately qualified;
- Product modification or repair performed by the Purchaser or by its delegate, without the express written consent by Gewiss.

With reference to the situations mentioned above, the Purchaser, upon Gewiss request, shall provide appropriate and complete proof about the proper use, the proper installation and maintenance of the Product, such as about the environmental and the installation context of the same.

9.

The warranty does not cover the costs incurred for the elimination of the defects, including – by way of indication only – the costs of disassembly and assembly, transportation or shipping costs of the defective or repaired Product, the rental costs of any lifting device.

10.

Except to the binding extent required by Law and with the exclusion of wilful misconduct and gross negligence, in no event Gewiss shall be liable for damages resulting from any breach, as well as from any direct or indirect damages caused by faults or defects of the Products, or by their malfunction such as by repairs or replacements, among which, by way of example, loss of profits, lack of savings, loss of reputation, loss of goodwill, block of plants in which the Products are destined to work. In any case, Gewiss liability shall not exceed the purchase price of the defective Product.

11.

Gewiss reserves the right to modify these warranty conditions at any time, by publishing the new terms on its website www.gewiss.com and on its catalogues.

12.

This warranty is valid for Products purchased starting from the date below.

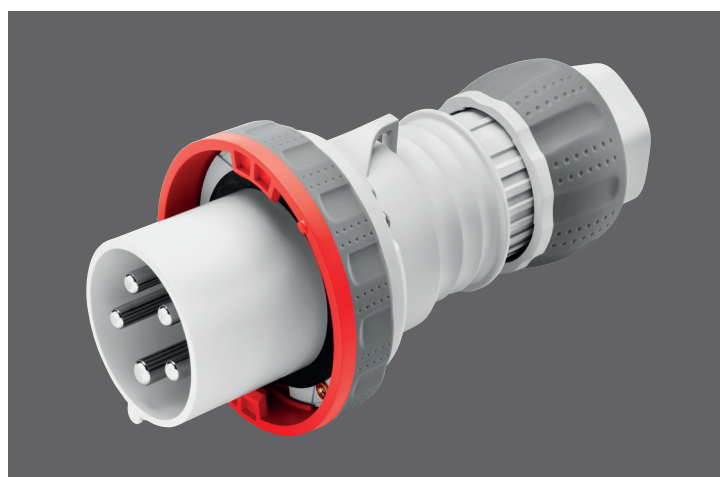
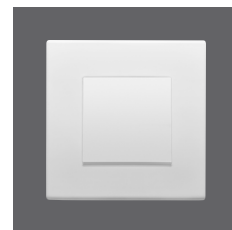
Effective date: November 1st, 2016

GEWISS

GEWISS S.p.A.

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REA 107496 - Share Capital 60,000,000.00 EUR fully paid up



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