

# GEWISS

## Apparatskåp



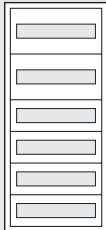
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# 47 CVX 160i RANGE

FLUSH-MOUNTING DISTRIBUTION BOARDS UP TO 160A

## CVX 160 I STRUCTURES

| BOARDS WITH DIN RAILS, FRONT PANELS AND ALL FIXING ACCESSORIES INCLUDED                                                      |                                                                                                    |                                                                                                          |                                                                                                           |                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| GENERAL CHARACTERISTICS<br>In: up to 160A<br>Capacity: 24 modules* each row<br>Installation: indoors<br>Color: RAL 7035 grey |                                                                                                    | NO. EN 50022 MODULES (17,5 mm)                                                                           |                                                                                                           |                                                                                                            |
|                                                                                                                              |                                                                                                    | 96                                                                                                       | 120                                                                                                       | 144                                                                                                        |
| No. rows per No. modules                                                                                                     |                                                                                                    | 4 rows x 24 modules<br> | 5 rows x 24 modules<br> | 6 rows x 24 modules<br> |
| Board functional height: (mm)                                                                                                |                                                                                                    | 600                                                                                                      | 800                                                                                                       | 1000                                                                                                       |
| Front panels with window height: (mm)                                                                                        |                                                                                                    | 150                                                                                                      | 200 (first row)<br>150 (other rows)                                                                       | 200 (first and second row)<br>150 (other rows)                                                             |
| IP 30                                                                                                                        | <br>without door | GW 47 072                                                                                                | GW 47 073                                                                                                 | GW 47 074                                                                                                  |
|                                                                                                                              | <br>glass door  | GW 47 082                                                                                                | GW 47 083                                                                                                 | GW 47 084                                                                                                  |
|                                                                                                                              | <br>solid door  | GW 47 087                                                                                                | GW 47 088                                                                                                 | GW 47 089                                                                                                  |
| IP 40                                                                                                                        |                                                                                                    |                                                                                                          |                                                                                                           |                                                                                                            |

\* EN 50022 modules (17,5 mm)

### CVX 160 I DISTRIBUTION BOARD CONFIGURATION

|                         | FRONT PANELS       |              |                                                                |                 | DIN RAIL KIT  |                                  |               | DEVICE<br>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<br>GW 47 176<br><br>Instrum. 96x96<br>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                          | <br>GW 47 111 | <br>GW 47 121 |
| 800                          | GW 47 112                                                                                        | GW 47 122                                                                                          |
| 1000                         | GW 47 113                                                                                        | GW 47 123                                                                                          |

# 47 CVX 160i RANGE

FLUSH-MOUNTING DISTRIBUTION BOARDS UP TO 160A

| CVX 160i                                                                                        |                                                                      |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| ELECTRICAL CHARACTERISTICS                                                                      | MECHANICAL CHARACTERISTICS                                           |
| Standards: EN 60439-1 and EN 60439-3, EN 61439-1 and EN 61439-2, EN 62208, CEI 23-48, CEI 23-49 | Degree of protection IP: IP 30 without door                          |
| Rated current (In): up to 160 A                                                                 | IP 40 with glass/blank door                                          |
| Rated operational voltage (Ue): up to 500 V AC                                                  | Impact resistance IK: IK 07 for glass door                           |
| Rated insulation voltage (Ui): up to 500 V AC                                                   | IK 09 for 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 |

## STRUCTURES

### IP30 DISTRIBUTION BOARDS

GW47072



#### PREASSEMBLED DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - GREY RAL 7035 COMPLETE WITH OUTFIT FOR MODULAR DEVICES - WITHOUT DOOR

| Code      | Functional dim.<br>LxHxD (mm) | Box dimensions<br>BxHxD (mm) | Outer dim.<br>LxHxD (mm) | No. of modules<br>EN 50022 | Pack<br>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.  
Front panels complete with EN 50022 rail (DIN 35) and fixing accessories. Module masks.

### IP40 DISTRIBUTION BOARDS

GW47082



#### PREASSEMBLED DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - GREY RAL 7035 - COMPLETE WITH OUTFIT FOR MODULAR DEVICES - SMOKED CURVED TEMPERED SAFETY GLASS DOOR EQUIPPED WITH 2 LOCKS

| Code      | Functional dim.<br>LxHxD (mm) | Box dimensions<br>BxHxD (mm) | Outer dim.<br>LxHxD (mm) | No. of modules<br>EN 50022 | Pack<br>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.  
Front panels complete with EN 50022 rail (DIN 35) and fixing accessories. Module masks. 2 double-fin keys.

GW47087



#### PREASSEMBLED DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - GREY RAL 7035 COMPLETE WITH OUTFIT FOR MODULAR DEVICES BLANK DOOR IN SHEET METAL WITH 2 LOCKS

| Code      | Functional dim.<br>LxHxD (mm) | Box dimensions<br>BxHxD (mm) | Outer dim.<br>LxHxD (mm) | No. of modules<br>EN 50022 | Pack<br>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.  
Front panels complete with EN 50022 rail (DIN 35) and fixing accessories. Module masks. 2 double-fin keys.

## FRONT CONFIGURATION

## INSTALLATION KIT FOR COUNTRY-SPECIFIC DEVICES



GW47263

## FRONT PANELS 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<br>LxH (mm) | Suitable<br>for | Suited for<br>EN 50022 | Pack<br>Carton |
|-----------|------------------------|-----------------|------------------------|----------------|
| GW 47 263 | 600x300                | Command lock    | 24 modules (2x12)      | 1/5            |

ACCESSORIES SUPPLIED: Module masks, fixing accessories, Earthing set.

## FRONT PANELS



GW47179

## FRONT PANELS WITH WINDOW FOR MODULAR DEVICES

| Code               | External dim.<br>LxH (mm) | Pack<br>Carton |
|--------------------|---------------------------|----------------|
| <b>MODULES: 24</b> |                           |                |
| GW 47 178          | 600x150                   | 1/10           |
| GW 47 179          | 600x200                   | 1/10           |

ACCESSORIES SUPPLIED: module masks, 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).



GW47174

## SOLID FRONT PANELS

| Code               | External dim.<br>LxH (mm) | Pack<br>Carton |
|--------------------|---------------------------|----------------|
| <b>MODULES: 24</b> |                           |                |
| 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).



GW47177

## FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

| Code               | External dim.<br>LxH (mm) | 3-way switch<br>no. x hole Ø | Instruments<br>N. x dimensions | Pack<br>Carton |
|--------------------|---------------------------|------------------------------|--------------------------------|----------------|
| <b>MODULES: 24</b> |                           |                              |                                |                |
| 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 selector 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



GW47251

## DIN RAILS FOR MODULAR DEVICES (90 RANGE) AND MOULDED-CASE DEVICES UP TO 160A (MTX/M 160C / MTX/E 160 RANGES) - COMPLETE WITH BRACKETS AND SUPPORTS FOR ASSEMBLY

| Code               | Section dim.<br>HxD (mm) | Profile                  | Material         | Pack<br>Carton |
|--------------------|--------------------------|--------------------------|------------------|----------------|
| <b>MODULES: 24</b> |                          |                          |                  |                |
| 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           |

# 47 CVX 160i RANGE

FLUSH-MOUNTING DISTRIBUTION BOARDS UP TO 160A

## COMPLEMENTARY ITEMS

### ACCESSORIES



#### 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        |

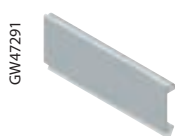
ACCESSORIES SUPPLIED: 1 panel closing cap.



#### 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 60mm width vertically and up to 40mm horizontally.



#### BLANKING MODULE PROFILE IN PLASTIC MATERIAL - GREY RAL 7035

| Code      | Modules | Pack Carton |
|-----------|---------|-------------|
| GW 47 291 | 24      | 10          |

CHARACTERISTICS: clip fixing on DIN perforated front panels.



#### 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 devices (MTX 160/c-250 range).



#### EARTH BUSBAR WITH THREADED HOLES FOR THE CONNECTION OF EQUIPOTENTIAL BONDING

| 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.



#### MISCELLANEOUS ACCESSORIES

| Code      | Description              | Characteristics            | Pack Carton |
|-----------|--------------------------|----------------------------|-------------|
| GW 46 447 | Adhesive document pocket | dimensions 310x230 mm      | 1/10        |
| GW 47 197 | Set of 4 metal brackets  | for fixing on plasterboard | 1/10        |
| GW 47 192 | Lock insert              | Yale Type                  | 1/10        |
| GW 47 195 | Nuts in cage             | Galvanised steel           | 10/100      |

APPLICATIONS: GW47195 suitable for mounting wiring trunking and accessories on functional profile.

NOTE: GW47192 is supplied with identical keys

### SPARE PARTS



#### SMOKED CURVED TEMPERED SAFETY GLASS DOORS FOR IP40 (DISTRIBUTION BOARDS NOT FOR IP30 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.



#### SOLID DOORS IN PAINTED SHEET METAL FOR IP40 (DISTRIBUTION BOARDS NOT FOR IP30 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.



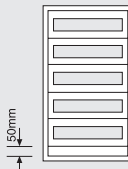
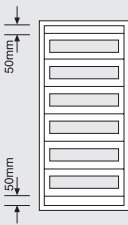
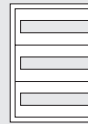
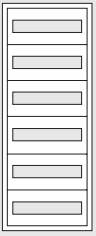
# 47 CVX 160 E RANGE

WALL-MOUNTING DISTRIBUTION BOARDS UP TO 160A

## CVX 160 E STRUCTURES

| GENERAL CHARACTERISTICS<br>In: up to 160 A<br>Capacity: 24 modules each row<br>Installation: indoor<br>Colour: RAL 7035 grey |                                                                                                   | FUNCTIONAL HEIGHT (MM) |             |             |             |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------|-------------|-------------|-------------|
|                                                                                                                              |                                                                                                   | 600                    | 800         | 1000        | 1200        |
| IP 30                                                                                                                        | Without door<br> | GW 47 001 E            | GW 47 002 E | GW 47 003 E | GW 47 004 E |
|                                                                                                                              | Glass door<br>   | GW 47 011 E            | GW 47 012 E | GW 47 013 E | GW 47 014 E |
| IP 40                                                                                                                        | Solid door<br>   | GW 47 021 E            | GW 47 022 E | GW 47 023 E | GW 47 024 E |
|                                                                                                                              | Glass door<br>  | GW 47 031 E            | GW 47 032 E | GW 47 033 E | GW 47 034 E |
| IP 55                                                                                                                        | Solid door<br> | GW 47 041 E            | GW 47 042 E | GW 47 043 E | GW 47 044 E |
|                                                                                                                              | Glass door<br> | -                      | GW 47 062 E | GW 47 063 E | GW 47 064 E |
| IP 65                                                                                                                        | Solid door<br> | -                      | GW 47 062 E | GW 47 063 E | GW 47 064 E |

NOTE: the codes do not include DIN rail and front panels.

| EXAMPLES OF BOARD CONFIGURATIONS |              |                                                                                                             |                                                                                                              |                                                                                                                |                                                                                                                |
|----------------------------------|--------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| NO. ROWS / NO. MODULES<br>MAX.   | Pitch 150 mm | <br>4 rows - 96 modules* | <br>5 rows - 120 modules* | <br>6 rows - 144 modules* | <br>8 rows - 192 modules* |
|                                  | Pitch 200 mm | <br>3 rows - 72 modules* | <br>4 rows - 96 modules*  | <br>5 rows - 120 modules* | <br>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 panel height (mm) | Panels with window and EN 50022 rail                        | Panels with window | Solid panels | Panels for instruments                                         | Pair of hinges | EN 50022 rail | Double EN 50022 rail (aluminium) | EN 50035 rail | For moulded-case devices                                                                                          | 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)<br>GW 47 278 (MTX/E 160)<br>GW 47 279 (MTX/M 160c+BD 160c)<br>GW 47 280 (MTX/E 160+BD 160) | -                                         |
| 200                     | GW 47 172                                                   | GW 47 179          | GW 47 175    | Instrum. 72x72<br>GW 47 176<br><br>Instrum. 96x96<br>GW 47 177 |                |               |                                  |               |                                                                                                                   |                                           |
| 300                     | -                                                           | -                  | -            | -                                                              | -              | -             | -                                | -             | -                                                                                                                 | GW 47 261 (Spanish)<br>GW 47 262 (French) |

| COMPLEMENTARY ITEMS |                          |              |                            |             |                 |                        |                       |
|---------------------|--------------------------|--------------|----------------------------|-------------|-----------------|------------------------|-----------------------|
| Earth bar           | Wiring trunking supports | Nuts in cage | Cable gland plate          | Module mask | 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             |

|                              | SPARE DOORS |            |            |            |            |
|------------------------------|-------------|------------|------------|------------|------------|
| Board functional height (mm) | IP 40       |            | IP 55      |            | IP 65      |
|                              | Glass door  | Solid door | Glass door | Solid door | Solid door |
| 600                          |             |            |            |            | -          |
| 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  |

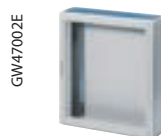
# 47 CVX 160 E RANGE

WALL-MOUNTING DISTRIBUTION BOARDS UP TO 160A

| CVX 160E                                                                                        |                                                                   |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| ELECTRICAL CHARACTERISTICS                                                                      | MECHANICAL CHARACTERISTICS                                        |
| Standards: EN 60439-1 and EN 60439-3, EN 61439-1 and EN 61439-2, EN 62208, CEI 23-48, CEI 23-49 | Degree of protection IP: IP 30 without door                       |
| Rated current (In): up to 160 A                                                                 | IP 40 with glass/blank door                                       |
| Rated operational voltage (Ue): up to 500V AC                                                   | IP 55 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: IK 07 for glass door                        |
| Rated conditioned short-circuit current (Icc): 10 kA                                            | IK 09 for 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 Grey RAL 7035 epoxy-polyester powder     |

## STRUCTURES

### IP30 DISTRIBUTION BOARDS



GW47002E

#### MONOBLOC DISTRIBUTION BOARD IN PAINTED SHEET STEEL - GREY RAL 7035 WITHOUT DOOR - WITH EXTRACTABLE FRAME

| Code        | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>Carton |
|-------------|-------------------------------|--------------------------|----------------|
| GW 47 001 E | 600x600x170                   | 700x700x140              | 1              |
| GW 47 002 E | 600x800x170                   | 700x900x140              | 1              |
| GW 47 003 E | 600x1000x170                  | 700x1100x140             | 1              |
| GW 47 004 E | 600x1200x170                  | 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



GW47014E

#### MONOBLOC DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - GREY RAL 7035 SMOKED CURVED TEMPERED SAFETY GLASS DOOR EQUIPPED WITH 2 LOCKS - WITH EXTRACTABLE FRAME

| Code        | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>Carton |
|-------------|-------------------------------|--------------------------|----------------|
| GW 47 011 E | 600x600x170                   | 700x700x200              | 1              |
| GW 47 012 E | 600x800x170                   | 700x900x200              | 1              |
| GW 47 013 E | 600x1000x170                  | 700x1100x200             | 1              |
| GW 47 014 E | 600x1200x170                  | 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



GW47024E

#### MONOBLOC DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - GREY RAL 7035 SOLID SHEET METAL DOOR EQUIPPED WITH 2 LOCKS - WITH EXTRACTABLE FRAME

| Code        | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>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

GW47034E


**MONOBLOC DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - GREY RAL 7035  
SMOKED CURVED TEMPERED SAFETY GLASS DOOR EQUIPPED WITH 2 LOCKS - WITH EXTRACTABLE FRAME**

| Code        | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>Carton |
|-------------|-------------------------------|--------------------------|----------------|
| GW 47 031 E | 600x600x170                   | 700x700x200              | 1              |
| GW 47 032 E | 600x800x170                   | 700x900x200              | 1              |
| GW 47 033 E | 600x1000x170                  | 700x1100x200             | 1              |
| GW 47 034 E | 600x1200x170                  | 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.

GW47044E


**MONOBLOC DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - GREY RAL 7035  
SOLID SHEET METAL DOOR EQUIPPED WITH 2 LOCK - WITH EXTRACTABLE FRAME**

| Code        | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>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


**MONOBLOC DISTRIBUTION BOARDS IN PAINTED SHEET STEEL - GREY RAL 7035  
SOLID SHEET METAL DOOR EQUIPPED WITH ROD-MECHANISM LOCK - WITH EXTRACTABLE FRAME**

| Code        | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>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 alloy.  
**CHARACTERISTICS:** sealing gaskets applied on the door. Single lock with 4 mounting pins.

# 47 CVX 160 E RANGE

WALL-MOUNTING DISTRIBUTION BOARDS UP TO 160A

## FRONT CONFIGURATION

### INSTALLATION KIT FOR DEVICES ON DIN RAIL



GW47172

**INSTALLATION KIT FOR MODULAR DEVICES (90 RANGE) AND MOULDED-CASE DEVICES UP TO 160A (MTX/M 160C, MTX/E 160 RANGE) - COMPLETE WITH FRONT PANELS WITH WINDOWS AND STANDARD DIN RAIL EN 50022 (DIN 35)**

| Code               | Dimensions<br>LxH (mm) | Section dim.<br>HxD (mm) | Pack<br>Carton |
|--------------------|------------------------|--------------------------|----------------|
| <b>MODULES: 24</b> |                        |                          |                |
| GW 47 171          | 600x150                | 35x15                    | 1/10           |
| GW 47 172          | 600x200                | 35x15                    | 1/8            |

**ACCESSORIES SUPPLIED:** module masks, 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 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.

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 MOULDED-CASE DEVICES ON PLATE



GW47277

**INSTALLATION KIT FOR A MCCB UP TO 160A (MTX/M 160C, MTX/E 160 RANGE) COMPLETE WITH PERFORATED FRONT PANELS AND FIXING PLATES**

| Code               | Dimensions<br>LxH (mm) | For<br>MCCB | No.<br>of poles | Type           | Installation | Pack<br>Carton |
|--------------------|------------------------|-------------|-----------------|----------------|--------------|----------------|
| <b>MODULES: 24</b> |                        |             |                 |                |              |                |
| 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 moulded-case devices; simple fixing of devices, thanks to the threaded bushings on the assembly plate; pre-arrangement for the assembly of the panel hinges (included).

GW 47 279 not suitable for lowered "L" add-on residual current device.

### INSTALLATION KIT FOR COUNTRY-SPECIFIC DEVICES



GW47261

**FRONT PANEL COMPLETE WITH MOUNTING RAILS EN 50 022 AND ENCLOSURE FOR HOUSING POWER LIMITING CIRCUIT BREAKER ICP IN=40A - SPANISH STANDARD**

| Code      | Suited for<br>EN 50022 | Dimensions<br>LxH (mm) | No. EN 50022<br>mod. ICP sect. | Pack<br>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. Module masks, 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).

**FRONT PANELS 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<br>LxH (mm) | Suitable<br>for | Suited for<br>EN 50022 | Pack<br>Carton |
|-----------|------------------------|-----------------|------------------------|----------------|
| GW 47 262 | 600x300                | Command lock    | 24 modules (2x12)      | 1/5            |

**ACCESSORIES SUPPLIED:** Module masks, fixing accessories. Earthing set.

**CHARACTERISTICS:** pre-galvanised metal plate with prearrangement for the installation of the mains switch.

## FRONT PANELS

GW47179



## FRONT PANELS WITH WINDOW FOR MODULAR DEVICES

| Code               | Dimensions<br>LxH (mm) | Pack<br>Carton |
|--------------------|------------------------|----------------|
| <b>MODULES: 24</b> |                        |                |
| GW 47 178          | 600x150                | 1/10           |
| GW 47 179          | 600x200                | 1/10           |

ACCESSORIES SUPPLIED: module masks, 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).

GW47175



## SOLID FRONT PANELS

| Code               | Dimensions<br>LxH (mm) | Pack<br>Carton |
|--------------------|------------------------|----------------|
| <b>MODULES: 24</b> |                        |                |
| 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)

GW47177



## FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

| Code               | Dimensions<br>LxH (mm) | 3-way switch<br>no. x hole Ø | Instruments<br>N. x dimensions | Pack<br>Carton |
|--------------------|------------------------|------------------------------|--------------------------------|----------------|
| <b>MODULES: 24</b> |                        |                              |                                |                |
| 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 selector 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

GW47181



## DIN RAILS FOR MODULAR DEVICES AND TERMINALS COMPLETE WITH BRACKETS AND SUPPORTS FOR ASSEMBLY

| Code               | Section dim.<br>HxD (mm) | Profile                  | Material         | Pack<br>Carton |
|--------------------|--------------------------|--------------------------|------------------|----------------|
| <b>MODULES: 24</b> |                          |                          |                  |                |
| 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

GW47186



## BACK-MOUNTING PLATES FOR NON-MODULAR DEVICES COMPLETE WITH MOUNTING SUPPORTS

| Code               | Dimensions<br>LxH (mm) | No. mounting<br>straps | Pack<br>Carton |
|--------------------|------------------------|------------------------|----------------|
| <b>MODULES: 24</b> |                        |                        |                |
| 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, 15/10mm thick.

# 47 CVX 160 E RANGE

WALL-MOUNTING DISTRIBUTION BOARDS UP TO 160A

## COMPLEMENTARY ITEMS

### ACCESSORIES



#### 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        |

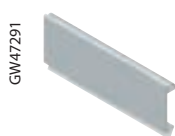
ACCESSORIES SUPPLIED: 1 panel closing cap.



#### 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 60mm width vertically and up to 40mm horizontally.



#### BLANKING MODULE PROFILE IN PLASTIC MATERIAL - GREY RAL 7035

| Code      | Modules | Pack Carton |
|-----------|---------|-------------|
| GW 47 291 | 24      | 10          |

CHARACTERISTICS: clip fixing on DIN perforated front panels.



#### 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 160/c-250 range).



#### 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.



#### EARTH TERMINAL BLOCKS

| Code      | For distribution boards | Section (mm <sup>2</sup> ) | N. terminal and section (mm <sup>2</sup> ) | Step drilling (mm) | Pack Carton |
|-----------|-------------------------|----------------------------|--------------------------------------------|--------------------|-------------|
| GW 45 538 | L=600                   | 10x7                       | 2x(1x35+11x16+13x10)                       | 6.5 mm             | 1           |



#### MISCELLANEOUS ACCESSORIES

| Code      | Description              | Characteristics       | Pack Carton |
|-----------|--------------------------|-----------------------|-------------|
| GW 46 447 | Adhesive document pocket | dimensions 310x230 mm | 1/10        |
| GW 47 192 | Lock insert              | Yale Type             | 1/10        |
| GW 47 195 | Nuts in cage             | Galvanised steel      | 10/100      |

APPLICATIONS: GW47195 suitable for mounting wiring trunking and accessories on functional profile. GW47192 not suited for version IP65; is supplied with identical keys.

### SPARE PARTS

GW47114



| SMOKED CURVED TEMPERED SAFETY GLASS DOORS FOR IP40 DISTRIBUTION BOARDS |                        |                |
|------------------------------------------------------------------------|------------------------|----------------|
| Code                                                                   | For boards<br>LxH (mm) | Pack<br>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.

GW47124



| SOLID DOORS IN PAINTED SHEET METAL FOR IP40 DISTRIBUTION BOARDS |                        |                |
|-----------------------------------------------------------------|------------------------|----------------|
| Code                                                            | For boards<br>LxH (mm) | Pack<br>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.

GW47134



| SMOKED CURVED TEMPERED SAFETY GLASS DOOR FOR IP55 DISTRIBUTION BOARD |                        |                |
|----------------------------------------------------------------------|------------------------|----------------|
| Code                                                                 | For boards<br>LxH (mm) | Pack<br>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.

GW47144



| SOLID DOORS IN PAINTED SHEET METAL FOR IP55 DISTRIBUTION BOARDS |                        |                |
|-----------------------------------------------------------------|------------------------|----------------|
| Code                                                            | For boards<br>LxH (mm) | Pack<br>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.

GW47164



| SOLID DOORS IN PAINTED SHEET STEEL FOR IP65 DISTRIBUTION BOARDS EQUIPPED WITH ROD-MECHANISM CLOSURES |                        |                |
|------------------------------------------------------------------------------------------------------|------------------------|----------------|
| Code                                                                                                 | For boards<br>LxH (mm) | Pack<br>Carton |
| GW 47 162                                                                                            | 600x800                | 1              |
| GW 47 163                                                                                            | 600x1000               | 1              |
| GW 47 164                                                                                            | 600x1200               | 1              |

ACCESSORIES SUPPLIED: 4 mounting pins. key in zama alloy.

GW47198



| CABLE GLAND PLATES - COLOUR BLUE RAL 5003 |                  |          |                |
|-------------------------------------------|------------------|----------|----------------|
| Code                                      | Description      | Material | Pack<br>Carton |
| GW 47 198                                 | Top/bottom plate | Plastic  | 1/10           |

# 47 CVX 630 K RANGE

MODULAR DISTRIBUTION BOARDS UP TO 630A - IP43

## 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.<br>(24x6) | 192 mod.<br>(24x8) | 144 mod.<br>(24x6) | 216 mod.<br>(36x6) | 192 mod.<br>(24x8) | 288 mod.<br>(36x8) |
|                               | Pitch 200 mm                                                                        | 120 mod.<br>(24x5) | 144 mod.<br>(24x6) | 120 mod.<br>(24x5) | 180 mod.<br>(36x5) | 144 mod.<br>(24x6) | 216 mod.<br>(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

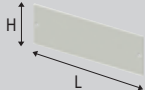
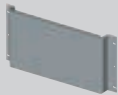
| STRUCTURES                    |                                                                                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|-------------------------------|-------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| FUNCTIONAL DIM. (LxH)         |                                                                                     | 600x1600 mm         | 600x1800 mm         | 600x2000 mm         | 850x1600 mm         |                     | 850x1800 mm         |                     | 850x2000 mm         |                     |
| Modular capacity              | Pitch 150 mm                                                                        | 240 mod.<br>(24x10) | 288 mod.<br>(24x12) | 312 mod.<br>(24x13) | 240 mod.<br>(24x10) | 360 mod.<br>(36x10) | 288 mod.<br>(24x12) | 432 mod.<br>(36x12) | 312 mod.<br>(24x13) | 468 mod.<br>(36x13) |
|                               | Pitch 200 mm                                                                        | 192 mod.<br>(24x8)  | 216 mod.<br>(24x9)  | 240 mod.<br>(24x10) | 192 mod.<br>(24x8)  | 288 mod.<br>(36x8)  | 216 mod.<br>(24x9)  | 324 mod.<br>(36x9)  | 240 mod.<br>(24x10) | 360 mod.<br>(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 RANGE

MODULAR DISTRIBUTION BOARDS UP TO 630A - IP43

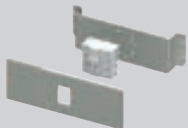
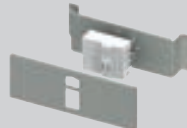
## CVX 630 K DISTRIBUTION BOARD CONFIGURATION

|                                                                                                                                                                | Panel height H (mm) | L = 400 mm (10 mod.) | L = 600 mm (24 mod.) | L = 850 mm (36 mod.) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|----------------------|----------------------|
| <b>DIN rail installation kit</b><br> 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            |
| <b>Solid front panels</b><br>                                                 | 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            | -                    | -                    |
| <b>Front panels for instruments</b><br>                                       | 200                 | -                    | GW 45 374            | GW 45 379            |
| <b>Front aerated panels</b><br>                                               | 200                 | -                    | GW 45 362            | GW 45 367            |
| <b>DIN rails</b><br> DIN EN 50022 double - aluminium                          | -                   | -                    | GW 45 401            | GW 45 402            |
| <b>Profiles for fixing directly on frame</b><br> DIN EN 50022<br>DIN EN 50035 | -                   | -                    | GW 45 411            | GW 45 416            |
|                                                                                                                                                                | -                   | -                    | GW 45 412            | GW 45 417            |
| <b>Back-mounting plates</b><br>                                             | 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            |
| <b>Earth terminal blocks</b><br>                                            | -                   | GW 45 537            | GW 45 538            | -                    |
| <b>Earth bar</b><br>                                                        | -                   | -                    | GW 45 534            | GW 45 535            |
| <b>Horizontal dividers</b><br>                                              | -                   | -                    | GW 45 451            | GW 45 452            |

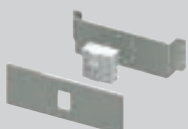
(1) Specific version for MTX/M 160c, MTX/E 160 or MTX/M 250 combined with an "L"-shaped add-on residual current device.

### 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                 |

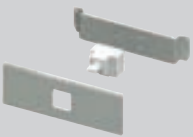
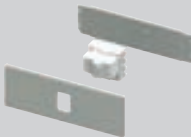
47 CVX 630  
K RANGE

| 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                 |

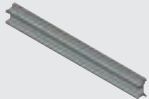
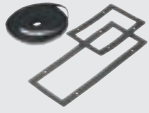
# 47 CVX 630 K RANGE

MODULAR DISTRIBUTION BOARDS UP TO 630A - IP43

## 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                                                                                                            |               |                     |
| <br>Kit for MTX rotary handle |          |           |                     | <br>Kit for MTX motor control |           |                     | <br>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 horizontal/vertical wiring trunking                 | GW 45 521 |
|                                                 |                                                                                     | for horizontal terminal block - 45°                     | GW 45 526 |
|                                                 |                                                                                     | for vertical terminal block in the internal compartment | GW 45 527 |
|                                                 |                                                                                     | for vertical terminal block in the external compartment | GW 45 528 |
| DIN profiles<br>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<br>(for wall-mounting boards) |  |                                                         | GW 45 536 |

(\*) For further accessories, refer to the COMPLEMENTARY ITEMS section.

| CVX 630K                                                                           |                                                                                           |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| ELECTRICAL CHARACTERISTICS                                                         | MECHANICAL CHARACTERISTICS                                                                |
| Standards: EN 60439-1, EN 61439-1 and EN 61439-2                                   | Degree of protection IP: IP 30 without door                                               |
| Rated current (In): up to 630 A                                                    | IP 40 with glass/blank door                                                               |
| Rated operational voltage (Ue): up to 690V AC                                      | IP 43 with glass/blank door and IP 43 kit                                                 |
| Rated insulation voltage (Ui): up to 1000V AC                                      | Impact resistance IK: IK 07 for glass door                                                |
| Rated impulse withstand voltage (Uimp): 8kV 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                                    | 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 Grey RAL 7035 epoxy-polyester powder                             |

### STRUCTURAL ELEMENTS

#### WALL-MOUNTING DISTRIBUTION BOARDS

GW45004



#### MODULAR SIDE-BY-SIDE WALL-MOUNTING STRUCTURES IN PAINTED SHEET STEEL GREY RAL 7035 - COMPLETE WITH FUNCTIONAL FRAMES, CABLE GLAND PLATES

| Code      | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>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 boards L=600 mm.

6 cable gland plates with fixing screws for boards L=850 mm.

NOTE: surface-mounting fixing with wall plugs. For fixing without wall plugs, order GW 45 536 separately (4 fixing brackets).

#### SIDE PLATES FOR WALL-MOUNTING DISTRIBUTION BOARDS

GW45024



#### PAIR OF SIDE PLATES FOR WALL-MOUNTING BOARDS IN PAINTED SHEET STEEL

| Code      | For structures<br>HxD (mm) | Pack<br>Carton |
|-----------|----------------------------|----------------|
| GW 45 024 | 1000x230                   | 1              |
| GW 45 025 | 1200x230                   | 1              |

ACCESSORIES SUPPLIED: screws for fixing to the structure.

#### FLOOR-MOUNTING DISTRIBUTION BOARDS

GW45009



#### MODULAR SIDE-BY-SIDE FLOOR-MOUNTING STRUCTURES IN PAINTED SHEET STEEL GREY RAL 7035 - COMPLETE WITH FUNCTIONAL FRAMES, CABLE GLAND PLATES AND INSPECTABLE BASE H = 100MM - BLUE RAL 5003

| Code      | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>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 boards B=600mm.

3 cable gland plates complete with fixing screws for the boards B=850mm. 2 brackets for surface-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

GW45029



#### PAIR OF SIDE PLATES FOR FLOOR-MOUNTING BOARDS IN PAINTED SHEET STEEL

| Code      | For structures<br>HxD (mm) | Pack<br>Carton |
|-----------|----------------------------|----------------|
| GW 45 027 | 1600x230                   | 1              |
| GW 45 028 | 1800x230                   | 1              |
| GW 45 029 | 2000x230                   | 1              |

ACCESSORIES SUPPLIED: screws for fixing to the structure.

# 47 CVX 630 K RANGE

MODULAR DISTRIBUTION BOARDS UP TO 630A - IP43

## DOORS

GW45109



### TRANSPARENT DOORS IN CURVED, SMOKED GLASS, TEMPERED FOR SAFETY AND FITTED WITH HANDLE AND ROD CLOSURE

| Code      | For structures<br>LxH (mm) | Pack<br>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 alloy.

CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); painted sheet metal, Grey RAL 7035.

GW45129



### BLANK DOORS IN PAINTED SHEET METAL, FITTED WITH HANDLE AND ROD CLOSURE

| Code      | For structures<br>LxH (mm) | Pack<br>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 alloy.

CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); painted sheet metal, Grey RAL 7035.

## INTERNAL CABLE COMPARTMENT

GW45039



### INTERNAL CABLE COMPARTMENT KIT FOR MODULAR BOARDS, COMPLETE WITH HINGED COVER

| Code      | For structures<br>LxH (mm) | Pack<br>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

GW45049



### EXTERNAL CABLE COMPARTMENT KIT FOR MODULAR BOARDS AND CONTROLLABLE PLINTH H=100 COLOUR: BLUE RAL 5003

| Code      | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>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).

GW45149



### INTERNAL/EXTERNAL BLANK DOORS IN PAINTED SHEET METAL

| Code                              | For structures<br>LxH (mm) | Pack<br>Carton |
|-----------------------------------|----------------------------|----------------|
| <b>DESCRIPTION: EXTERNAL DOOR</b> |                            |                |
| GW 45 147                         | 400x1600                   | 1              |
| GW 45 148                         | 400x1800                   | 1              |
| GW 45 149                         | 400x2000                   | 1              |
| <b>DESCRIPTION: INTERNAL DOOR</b> |                            |                |
| GW 45 352                         | 400x1600                   | 1              |
| GW 45 353                         | 400x1800                   | 1              |
| GW 45 354                         | 400x2000                   | 1              |

ACCESSORIES SUPPLIED: external door equipped with handle with 4 mounting pins and alloy key.

NOTES: the internal doors are used on an external cable compartment put together with an IP 30 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.

News

④=Available while stocks last

①=April 2013

②=June 2013

③=September 2013

## FRONT CONFIGURATION

## INSTALLATION KIT FOR DEVICES ON DIN RAIL

GW45202


**INSTALLATION KIT FOR MODULAR DEVICES (90 RANGE)  
AND MOULDED-CASE DEVICES UP TO 250A (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<br>LxH (mm) | Section dim.<br>HxD (mm) | Pack<br>Carton |
|------------------------|------------------------|--------------------------|----------------|
| <b>No. MODULES: 10</b> |                        |                          |                |
| GW 45 291              | 400x150                | 2x(35x7.5)               | 1              |
| GW 45 292              | 400x200                | 2x(35x7.5)               | 1              |
| GW 45 293              | 400x300                | 2x(35x7.5)               | 1              |
| <b>No. MODULES: 24</b> |                        |                          |                |
| 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              |
| <b>No. MODULES: 36</b> |                        |                          |                |
| 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 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.

GW45201/6 for modular devices of the 90 range only.

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 MOULDED-CASE DEVICES FIXED ON PLATE

GW45236


**INSTALLATION KIT FOR MCCB UP TO 630A, IN FIXED ASSEMBLY  
COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE**

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for      | No.<br>of poles | Installation | Pack<br>Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| <b>No. MODULES: 10</b> |                        |                      |                 |              |                |
| 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              |
| <b>No. MODULES: 24</b> |                        |                      |                 |              |                |
| 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.

GW45273


**INSTALLATION KIT FOR MCCB UP TO 630A, IN FIXED ASSEMBLY  
COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE**

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for      | No.<br>of poles | Installation | Pack<br>Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| <b>No. MODULES: 24</b> |                        |                      |                 |              |                |
| 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              |
| <b>No. MODULES: 36</b> |                        |                      |                 |              |                |
| 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.

# 47 CVX 630 K RANGE

MODULAR DISTRIBUTION BOARDS UP TO 630A - IP43

GW45283



## INSTALLATION KIT FOR MCCB UP TO 500A WITH ADD-ON RESIDUAL CURRENT DEVICE IN FIXED ASSEMBLY COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for      | No.<br>of poles | Installation | Pack<br>Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| <b>No. modules: 10</b> |                        |                      |                 |              |                |
| GW 45 248              | 400x300                | MTX/M 160c           | 4P              | Vertical     | 1              |
| GW 45 249              | 400x400                | MTX/M 250            | 4P              | Vertical     | 1              |
| <b>No. modules: 24</b> |                        |                      |                 |              |                |
| 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              |
| <b>No. modules: 36</b> |                        |                      |                 |              |                |
| 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. GW 45 281/6 not suitable for lowered "L" add-on residual current device.

GW45262



## INSTALLATION KIT FOR MCCB UP TO 250A WITH DIRECT ROTARY HANDLE OR MOTOR CONTROL, COMPLETE WITH PERFORATED PANEL AND FIXING PLATE

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for | No.<br>of poles | Installation | Complete<br>with     | Pack<br>Carton |
|------------------------|------------------------|-----------------|-----------------|--------------|----------------------|----------------|
| <b>No. modules: 24</b> |                        |                 |                 |              |                      |                |
| 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 control        | 1              |
| GW 45 267              | 600x200                | MTX/E 160       | 3P - 4P         | Horizontal   | Motor control        | 1              |
| GW 45 268              | 600x200                | MTX/M 250       | 3P - 4P         | Horizontal   | Motor control        | 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 bars on the bottom to pass behind the kit plate itself.

GW45601



## INSTALLATION KIT FOR INTERLOCKED MCCBS UP TO 250A, COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for                | No.<br>of poles | Installation | Control | Pack<br>Carton |
|------------------------|------------------------|--------------------------------|-----------------|--------------|---------|----------------|
| <b>No. modules: 24</b> |                        |                                |                 |              |         |                |
| 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

GW45252



## INSTALLATION KIT FOR SWITCH-DISCONNECTORS IN FIXED ASSEMBLY COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for | No.<br>of poles | Installation        | Pack<br>Carton |
|------------------------|------------------------|-----------------|-----------------|---------------------|----------------|
| <b>No. modules: 10</b> |                        |                 |                 |                     |                |
| GW 45 298              | 400x300                | MSS 250         | 3P - 4P         | Vertical            | 1              |
| GW 45 299              | 400x500                | MSS 630         | 3P - 4P         | Vertical            | 1              |
| <b>No. modules: 24</b> |                        |                 |                 |                     |                |
| 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              |
| <b>No. modules: 36</b> |                        |                 |                 |                     |                |
| 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.

### FRONT PANELS

GW45304



#### SOLID FRONT PANELS

| Code                   | Dimensions<br>LxH (mm) | Pack<br>Carton |
|------------------------|------------------------|----------------|
| <b>No. MODULES: 10</b> |                        |                |
| 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              |
| <b>No. MODULES: 24</b> |                        |                |
| 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              |
| <b>No. MODULES: 36</b> |                        |                |
| 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; prearrangement of the panels, except for GW45341/2, GW45301/2 and GW45321/2, for rotation hinges (included).

GW45374



#### METAL FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

| Code                   | Dimensions<br>LxH (mm) | 3-way switch<br>no. x hole Ø | Instruments<br>N. x dimensions | Pack<br>Carton |
|------------------------|------------------------|------------------------------|--------------------------------|----------------|
| <b>No. MODULES: 24</b> |                        |                              |                                |                |
| GW 45 374              | 600x200                | 1 Ø 9.5 mm                   | 4 96x96 mm                     | 1              |
| <b>No. MODULES: 36</b> |                        |                              |                                |                |
| 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 selector switches.

GW45362



#### AERATION FRONT PANELS

| Code                   | Dimensions<br>LxH (mm) | Pack<br>Carton |
|------------------------|------------------------|----------------|
| <b>No. MODULES: 24</b> |                        |                |
| GW 45 362              | 600x200                | 1              |
| <b>No. MODULES: 36</b> |                        |                |
| 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 boards.

# 47 CVX 630 K RANGE

MODULAR DISTRIBUTION BOARDS UP TO 630A - IP43

## ACCESSORIES

GW49209



### DEPTH ADAPTER

| Code      | Length<br>(mm) | Pack<br>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 160/c-250 range).

GW47291



### BLANKING MODULE PROFILE IN PLASTIC MATERIAL - GREY RAL 7035

| Code      | No. of modules<br>EN 50022 | Pack<br>Carton |
|-----------|----------------------------|----------------|
| GW 47 291 | 24                         | 10             |

**CHARACTERISTICS:** clip fixing on DIN perforated front panels.

GW45532



### PAIR OF METAL HINGES FOR FRONT PANELS

| Code      | Fixing<br>type | Opening<br>angle | Suitable<br>for                 | Pack<br>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.

## INTERNAL CONFIGURATION

## DIN RAILS



GW45401

## SHEET METAL RAILS FOR MODULAR DEVICES, COMPLETE WITH FIXING SUPPORTS

| Code                   | Section dim.<br>HxD (mm) | Profile                  | Material  | Pack<br>Carton |
|------------------------|--------------------------|--------------------------|-----------|----------------|
| <b>No. MODULES: 24</b> |                          |                          |           |                |
| GW 45 401              | 2x(35x7.5)               | double EN 50022 (DIN 35) | Aluminium | 1              |
| <b>No. MODULES: 36</b> |                          |                          |           |                |
| 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



GW45422

## BACK-MOUNTING PLATES FOR NON-MODULAR DEVICES, COMPLETE WITH FIXING SUPPORTS

| Code                   | Dimensions<br>LxH (mm) | Pack<br>Carton |
|------------------------|------------------------|----------------|
| <b>No. MODULES: 10</b> |                        |                |
| GW 45 406              | 400x300                | 1              |
| <b>No. MODULES: 24</b> |                        |                |
| GW 45 421              | 600x200                | 1              |
| GW 45 422              | 600x400                | 1              |
| GW 45 423              | 600x600                | 1              |
| <b>No. MODULES: 36</b> |                        |                |
| 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

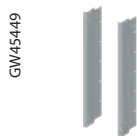


GW45451

## HORIZONTAL DIVIDING RAILS IN THE STRUCTURE

| Code                   | Width<br>(mm) | Pack<br>Carton |
|------------------------|---------------|----------------|
| <b>No. MODULES: 24</b> |               |                |
| GW 45 451              | 600           | 1              |
| <b>No. MODULES: 36</b> |               |                |
| GW 45 452              | 850           | 1              |

CHARACTERISTICS: allow the internal separation of the distribution board.



GW45449

## VERTICAL DIVIDING RAILS IN THE STRUCTURE AND IN THE CABLE COMPARTMENT

| Code                                               | Height<br>H (mm) | Pack<br>Carton |
|----------------------------------------------------|------------------|----------------|
| <b>SUITABLE FOR: INTERNAL CABLE COMPARTMENT</b>    |                  |                |
| 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              |
| <b>SUITABLE FOR: STRUCTURES / EXT. CABLE COMP.</b> |                  |                |
| GW 45 467                                          | 1600             | 1              |
| GW 45 468                                          | 1800             | 1              |
| GW 45 469                                          | 2000             | 1              |

CHARACTERISTICS: allow the internal separation (form 2) in the case of busbar in the cable compartment.

# 47 CVX 630 K RANGE

MODULAR DISTRIBUTION BOARDS UP TO 630A - IP43

## COMPLEMENTARY ITEMS

### ACCESSORIES

GW45411

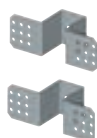


#### DIN PROFILES

| Code                      | Section dim.<br>HxD (mm) | Profile           | Material         | Pack<br>Carton |
|---------------------------|--------------------------|-------------------|------------------|----------------|
| <b>LENGTH: 24 MODULES</b> |                          |                   |                  |                |
| GW 45 411                 | 35x15                    | EN 50022 (DIN 35) | Galvanized metal | 1              |
| GW 45 412                 | 32x15                    | EN 50035 (G 32)   | Galvanized metal | 1              |
| <b>LENGTH: 36 MODULES</b> |                          |                   |                  |                |
| GW 45 416                 | 35x15                    | EN 50022 (DIN 35) | Galvanized metal | 1              |
| GW 45 417                 | 32x15                    | EN 50035 (G 32)   | Galvanized metal | 1              |
| <b>LENGTH: 2000 MM</b>    |                          |                   |                  |                |
| 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.

GW45521



#### PAIR OF SUPPORTS

| Code      | Type                | Installation        | Suitable<br>for            | Pack<br>Carton |
|-----------|---------------------|---------------------|----------------------------|----------------|
| GW 45 521 | For wiring trunking | Horizontal/Vertical | Boards B=600 / 850mm       | 1              |
| GW 45 526 | For terminal block  | Horizontal          | Boards B=600 / 850mm       | 1              |
| GW 45 527 | For terminal block  | Vertical            | Internal cable compartment | 1              |
| GW 45 528 | For terminal block  | Vertical            | External cable compartment | 1              |

GW46448



#### VENTILATION KIT

| Code      | Description     | Pack<br>Carton |
|-----------|-----------------|----------------|
| GW 46 448 | Ventilation kit | 1/2            |
| GW 46 471 | Aeration kit    | 1/10           |

NOTE: hole dimensions 125x117 mm; fixing screw centre distance 123x115 mm.

GW45512



#### ADDITIONAL PAINTED BASE H=100 BLUE RAL 5003 WITH CONTROLLABLE FRONT AND REAR

| Code      | Dimensions<br>LxD (mm) | Pack<br>Carton |
|-----------|------------------------|----------------|
| GW 45 511 | 400x230                | 1              |
| GW 45 512 | 600x230                | 1              |
| GW 45 513 | 850x230                | 1              |

CHARACTERISTICS: additional block-mount to facilitate cable entry and raise the distribution board. Lateral pre-breaking for the cable passages.

GW45509

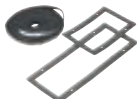


#### KIT FOR SIDE-BY-SIDE COUPLING OF STRUCTURES

| Code      | Suitable<br>for     | Pack<br>Carton |
|-----------|---------------------|----------------|
| GW 45 504 | Structures H=1000mm | 1              |
| GW 45 505 | Structures H=1200mm | 1              |
| GW 45 507 | Structures H=1600mm | 1              |
| GW 45 508 | Structures H=1800mm | 1              |
| GW 45 509 | Structures H=2000mm | 1              |

ACCESSORIES SUPPLIED: frontal upright, plates and gasket.

GW45531



#### GASKET KIT IP43

| Code      | Suitable<br>for             | Pack<br>Carton |
|-----------|-----------------------------|----------------|
| GW 45 531 | Door and cable gland plates | 1              |

ACCESSORIES SUPPLIED: roll gasket for door and shaped gasket for cable gland plates.

GW45518



#### CROSSPIECES FOR CABLE FIXING

| Code      | Suitable<br>for            | Pack<br>Carton |
|-----------|----------------------------|----------------|
| GW 45 516 | Internal cable compartment | 1              |
| GW 45 517 | External cable compartment | 1              |
| GW 45 518 | Boards B=600mm             | 1              |
| GW 45 519 | Boards B=850mm             | 1              |

APPLICATION: permits the fixing of the input/output cables on the board structure.

GW45534



### EARTH BUSBAR WITH THREADED HOLES FOR THE CONNECTION OF EQUIPOTENTIAL BONDING

| Code      | For distribution boards | Section (mm <sup>2</sup> ) | 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.

GW45537



### EARTH TERMINAL BLOCKS

| Code      | For distribution boards | Section (mm <sup>2</sup> ) | N. terminal and section (mm <sup>2</sup> ) | 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           |

GW46447



### MISCELLANEOUS ACCESSORIES

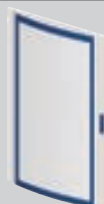
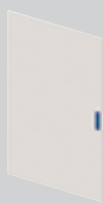
| Code      | Description              | Characteristics        | Suitable for                 | Pack Carton |
|-----------|--------------------------|------------------------|------------------------------|-------------|
| GW 46 447 | Adhesive document pocket | dimensions 310x230 mm  |                              | 1/10        |
| GW 45 536 | N. 4 fixing brackets     |                        | Wall mounting fixing         | 1           |
| GW 47 192 | Lock insert              | Yale Type              | wall-mounting distr. boards  | 1/10        |
| GW 47 494 | Rotary handle            | with Yale type inserts | floor-mounting distr. boards | 1           |

NOTE: GW47192 is supplied with identical keys. GW47494 is supplied with identical keys.

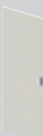
# 47 CVX 630 M RANGE

MONOBLOC DISTRIBUTION BOARDS UP TO 630A - IP55

## 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.<br>(24x6) | 192 mod.<br>(24x8) | 144 mod.<br>(24x6) | 216 mod.<br>(36x6) | 192 mod.<br>(24x8) |
|                               | Pitch 200 mm                                                                                    | 120 mod.<br>(24x5) | 144 mod.<br>(24x6) | 120 mod.<br>(24x5) | 180 mod.<br>(36x5) | 216 mod.<br>(24x6) |
| 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          |                    |

### CVX 630 M FLOOR-MOUNTING STRUCTURES

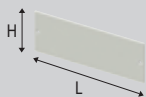
| STRUCTURES                    |                                                                                                 |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| FUNCTIONAL DIM. (LxH)         |                                                                                                 | 600x1600 mm         | 600x1800 mm         | 600x2000 mm         | 850x1600 mm         |                     | 850x1800 mm         |                     | 850x2000 mm         |                     |
| Modular capacity              | Pitch 150 mm                                                                                    | 240 mod.<br>(24x10) | 288 mod.<br>(24x12) | 312 mod.<br>(24x13) | 240 mod.<br>(24x10) | 360 mod.<br>(36x10) | 288 mod.<br>(24x12) | 432 mod.<br>(36x12) | 312 mod.<br>(24x13) | 468 mod.<br>(36x13) |
|                               | Pitch 200 mm                                                                                    | 192 mod.<br>(24x8)  | 216 mod.<br>(24x9)  | 240 mod.<br>(24x10) | 192 mod.<br>(24x8)  | 288 mod.<br>(36x8)  | 216 mod.<br>(24x9)  | 324 mod.<br>(36x9)  | 240 mod.<br>(24x10) | 360 mod.<br>(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   |

# 47 CVX 630 M RANGE

MONOBLOC DISTRIBUTION BOARDS UP TO 630A - IP55

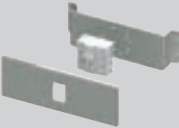
## CVX 630 M DISTRIBUTION BOARD CONFIGURATION

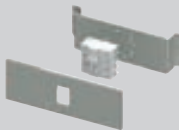
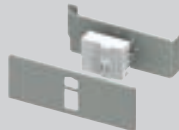
|                                             |                                                                                     |                                    |                                                                                    | Panel height H (mm) | L = 400 mm (10 mod.) | L = 600 mm (24 mod.) | L = 850 mm (36 mod.) |
|---------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|---------------------|----------------------|----------------------|----------------------|
| DIN rail<br>installation kit                |    | DIN EN 50022<br>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<br>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<br>for instruments             |    |                                    |                                                                                    | 200                 | -                    | GW 45 374            | GW 45 379            |
| Front aerated<br>panels                     |    |                                    |                                                                                    | 200                 | -                    | GW 45 362            | GW 45 367            |
| DIN rails                                   |    | DIN EN 50022<br>double - aluminium |   | -                   | -                    | GW 45 401            | GW 45 402            |
| Profiles for<br>fixing directly<br>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                 |

| 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                                                                                                            |               |                     |
|                          | <br>Kit for MTX rotary handle |           |                     | <br>Kit for MTX motor control |           |                     | <br>Kit for interlocked MTX lever control |           |                     | <br>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<br>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 horizontal/vertical wiring trunking                 | GW 45 521 |
|                                                  |                                                                                     | for horizontal terminal block - 45°                     | GW 45 526 |
|                                                  |                                                                                     | for vertical terminal block in the internal compartment | GW 45 527 |
|                                                  |                                                                                     | for vertical terminal block in the external compartment | GW 45 528 |
| DIN profiles<br>L = 2 meters                     |  | EN 50022 (DIN35)                                        | GW 47 691 |
|                                                  |                                                                                     | EN 50035 (G32)                                          | GW 47 692 |
|                                                  |                                                                                     | EN 50024 (C30)                                          | GW 47 693 |
| Rotating handle with key                         |  |                                                         | GW 47 494 |
| 2 fixing brackets<br>(for floor-mounting boards) |  |                                                         | GW 47 491 |

(\*) For further accessories, refer to the COMPLEMENTARY ITEMS section.

| CVX 630M                                                                           |                                                                                           |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| ELECTRICAL CHARACTERISTICS                                                         | MECHANICAL CHARACTERISTICS                                                                |
| Standards: EN 60439-1, EN 61439-1 and EN 61439-2                                   | Degree of protection IP: IP 30 without door                                               |
| Rated current (In): up to 630 A                                                    | IP 55 with glass/blank door                                                               |
| Rated operational voltage (Ue): up to 690V AC                                      | Impact resistance IK: 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): 8kV 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, 1.5/10mm thick                                |
| Rated short-time withstand current (Icw): 35 kA                                    | Sheet steel panels, 12/10mm thick                                                         |
| Protection against indirect contact: metal casing prearranged for earth connection | Sheet steel door, 1.5/10mm thick                                                          |
|                                                                                    | Back-mounting plates and kit for MCCB plates in hot galvanised sheet metal, 20/10mm thick |
|                                                                                    | Sheet metal painted with Grey RAL 7035 epoxy-polyester powder                             |

## STRUCTURAL ELEMENTS

## WALL-MOUNTING DISTRIBUTION BOARDS

GW45054


**MONOBLOC SIDE-BY-SIDE WALL-MOUNTING STRUCTURES IN PAINTED SHEET STEEL  
GREY RAL 7035 - COMPLETE WITH FUNCTIONAL FRAMES, CABLE GLAND PLATES**

| Code      | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>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 boards L=600 mm.  
6 cable gland plates with fixing screws for boards L=850 mm. 4 brackets for wall-mounting.

## SIDE PANELS FOR WALL-MOUNTING DISTRIBUTION BOARDS

GW45074


**PAIR OF SIDE PANELS FOR WALL-MOUNTING DISTRIBUTION BOARDS IN PAINTED SHEET STEEL**

| Code      | For structures<br>HxD (mm) | Pack<br>Carton |
|-----------|----------------------------|----------------|
| GW 45 074 | 1000x280                   | 1              |
| GW 45 075 | 1200x280                   | 1              |

ACCESSORIES SUPPLIED: screws for fixing to the structure.

GW45394


**PAIR OF AERATED SIDE PANELS FOR WALL-MOUNTING DISTRIBUTION BOARDS IN PAINTED SHEET STEEL**

| Code      | For structures<br>HxD (mm) | Pack<br>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.

# 47 CVX 630 M RANGE

MONOBLOC DISTRIBUTION BOARDS UP TO 630A - IP55

## FLOOR-MOUNTING DISTRIBUTION BOARDS

GW45059



### MONOBLOC SIDE-BY-SIDE FLOOR-MOUNTING STRUCTURES IN PAINTED SHEET STEEL GREY RAL 7035 - COMPLETE WITH FUNCTIONAL FRAMES, CABLE GLAND PLATES AND INSPECTABLE BASE H = 100MM - BLUE RAL 5003

| Code      | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>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 boards B=600mm.

3 cable gland plates complete with fixing screws for the boards B=850mm.

NOTE: the external dimensions of the board also include the dimensions of the plinth (H=100 mm).

## SIDE PANELS FOR FLOOR-MOUNTING DISTRIBUTION BOARDS

GW45079



### PAIR OF SIDE PANELS FOR FLOOR-MOUNTING DISTRIBUTION BOARDS IN PAINTED SHEET STEEL

| Code      | For structures<br>HxD (mm) | Pack<br>Carton |
|-----------|----------------------------|----------------|
| GW 45 077 | 1600x280                   | 1              |
| GW 45 078 | 1800x280                   | 1              |
| GW 45 079 | 2000x280                   | 1              |

ACCESSORIES SUPPLIED: screws for fixing to the structure.

GW45399



### PAIR OF AERATED SIDE PANELS FOR FLOOR-MOUNTING DISTRIBUTION BOARDS IN PAINTED SHEET STEEL

| Code      | For structures<br>HxD (mm) | Pack<br>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.

## FRONT DOORS

GW45159



### TRANSPARENT DOORS IN CURVED, SMOKED GLASS, TEMPERED FOR SAFETY AND FITTED WITH HANDLE AND ROD CLOSURE

| Code      | For structures<br>LxH (mm) | Pack<br>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 alloy.

CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); painted sheet metal, Grey RAL 7035.

GW45179



### BLANK DOORS IN PAINTED SHEET METAL, FITTED WITH HANDLE AND ROD CLOSURE

| Code      | For structures<br>LxH (mm) | Pack<br>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 alloy.

CHARACTERISTICS: possibility to assemble the door with reversible opening (right/left); painted sheet metal, Grey RAL 7035.

## INTERNAL CABLE COMPARTMENT

GW45089



## KIT FOR INTERNAL CABLE COMPARTMENT - COMPLETE WITH HINGED COVER

| Code      | For structures<br>LxH (mm) | Pack<br>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

GW45099



## EXTERNAL CABLE COMPARTMENT AND CONTROLLABLE PLINTH H=100 MM - COLOUR BLUE RAL 5003

| Code      | Functional dim.<br>LxHxD (mm) | Outer dim.<br>LxHxD (mm) | Pack<br>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).

GW45354



## INTERNAL/EXTERNAL BLANK DOORS IN PAINTED SHEET METAL

| Code                              | For structures<br>LxH (mm) | Pack<br>Carton |
|-----------------------------------|----------------------------|----------------|
| <b>DESCRIPTION: EXTERNAL DOOR</b> |                            |                |
| GW 45 197                         | 400x1600                   | 1              |
| GW 45 198                         | 400x1800                   | 1              |
| GW 45 199                         | 400x2000                   | 1              |
| <b>DESCRIPTION: INTERNAL DOOR</b> |                            |                |
| GW 45 352                         | 400x1600                   | 1              |
| GW 45 353                         | 400x1800                   | 1              |
| GW 45 354                         | 400x2000                   | 1              |

ACCESSORIES SUPPLIED: external door equipped with handle with 4 mounting pins and alloy key.

NOTES: the internal doors are used on an external cable compartment put together with an IP 30 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 RANGE

MONOBLOC DISTRIBUTION BOARDS UP TO 630A - IP55

## FRONT CONFIGURATION

### INSTALLATION KIT FOR DEVICES ON DIN RAIL

GW45202



#### INSTALLATION KIT FOR MODULAR DEVICES (90 RANGE) AND MOULDED-CASE DEVICES UP TO 250A (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<br>LxH (mm) | Section dim.<br>HxD (mm) | Pack<br>Carton |
|------------------------|------------------------|--------------------------|----------------|
| <b>No. MODULES: 10</b> |                        |                          |                |
| GW 45 291              | 400x150                | 2x(35x7.5)               | 1              |
| GW 45 292              | 400x200                | 2x(35x7.5)               | 1              |
| GW 45 293              | 400x300                | 2x(35x7.5)               | 1              |
| <b>No. MODULES: 24</b> |                        |                          |                |
| 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              |
| <b>No. MODULES: 36</b> |                        |                          |                |
| 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 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.

GW45201/6 for modular devices of the 90 range only.

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 MOULDED-CASE DEVICES FIXED ON PLATE

GW45236



#### INSTALLATION KIT FOR MCCB UP TO 630A, IN FIXED ASSEMBLY COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for      | No.<br>of poles | Installation | Pack<br>Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| <b>No. MODULES: 10</b> |                        |                      |                 |              |                |
| 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              |
| <b>No. MODULES: 24</b> |                        |                      |                 |              |                |
| 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.

#### INSTALLATION KIT FOR MCCB UP TO 630A, IN FIXED ASSEMBLY COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for      | No.<br>of poles | Installation | Pack<br>Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| <b>No. MODULES: 24</b> |                        |                      |                 |              |                |
| 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              |
| <b>No. MODULES: 36</b> |                        |                      |                 |              |                |
| 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.

GW45283



### INSTALLATION KIT FOR MCCB UP TO 500A WITH ADD-ON RESIDUAL CURRENT DEVICE IN FIXED ASSEMBLY COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for      | No.<br>of poles | Installation | Pack<br>Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------|
| <b>No. modules: 10</b> |                        |                      |                 |              |                |
| GW 45 248              | 400x300                | MTX/M 160c           | 4P              | Vertical     | 1              |
| GW 45 249              | 400x400                | MTX/M 250            | 4P              | Vertical     | 1              |
| <b>No. modules: 24</b> |                        |                      |                 |              |                |
| 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              |
| <b>No. modules: 36</b> |                        |                      |                 |              |                |
| 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.

GW45262



### INSTALLATION KIT FOR MCCB UP TO 630A WITH DIRECT ROTARY HANDLE OR MOTOR CONTROL, COMPLETE WITH PERFORATED PANEL AND FIXING PLATE

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for      | No.<br>of poles | Installation | Complete<br>with     | Pack<br>Carton |
|------------------------|------------------------|----------------------|-----------------|--------------|----------------------|----------------|
| <b>No. modules: 24</b> |                        |                      |                 |              |                      |                |
| 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 control        | 1              |
| GW 45 267              | 600x200                | MTX/E 160            | 3P - 4P         | Horizontal   | Motor control        | 1              |
| GW 45 268              | 600x200                | MTX/M 250            | 3P - 4P         | Horizontal   | Motor control        | 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.

GW45604



### INSTALLATION KIT FOR INTERLOCKED MCCB UP TO 630A, COMPLETE WITH PERFORATED FRONT PANEL AND SUPPORT PLATE

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for                | No.<br>of poles | Installation | Control | Pack<br>Carton |
|------------------------|------------------------|--------------------------------|-----------------|--------------|---------|----------------|
| <b>No. modules: 24</b> |                        |                                |                 |              |         |                |
| 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

# 47 CVX 630 M RANGE

MONOBLOC DISTRIBUTION BOARDS UP TO 630A - IP55

## INSTALLATION KIT FOR MSS SWITCH DISCONNECTORS FIXED ON PLATE



GW45252

### INSTALLATION KIT FOR SWITCH-DISCONNECTORS IN FIXED ASSEMBLY COMPLETE WITH PERFORATED FRONT PANEL AND FIXING PLATE

| Code                   | Dimensions<br>LxH (mm) | Suitable<br>for | No.<br>of poles | Installation        | Pack<br>Carton |
|------------------------|------------------------|-----------------|-----------------|---------------------|----------------|
| <b>No. MODULES: 10</b> |                        |                 |                 |                     |                |
| GW 45 298              | 400x300                | MSS 250         | 3P - 4P         | Vertical            | 1              |
| GW 45 299              | 400x500                | MSS 630         | 3P - 4P         | Vertical            | 1              |
| <b>No. MODULES: 24</b> |                        |                 |                 |                     |                |
| 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              |
| <b>No. MODULES: 36</b> |                        |                 |                 |                     |                |
| 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.

## FRONT PANELS



GW45304

### SOLID FRONT PANELS

| Code                   | Dimensions<br>LxH (mm) | Pack<br>Carton |
|------------------------|------------------------|----------------|
| <b>No. MODULES: 10</b> |                        |                |
| 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              |
| <b>No. MODULES: 24</b> |                        |                |
| 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              |
| <b>No. MODULES: 36</b> |                        |                |
| 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; prearrangement of the panels, except for GW45341/2, GW45301/2 and GW45321/2, for rotation hinges (included).



GW45374

### METAL FRONT PANELS FOR MEASURING INSTRUMENTS AND THREE-WAY SWITCHES

| Code                   | Dimensions<br>LxH (mm) | 3-way switch<br>no. x hole Ø | Instruments<br>N. x dimensions | Pack<br>Carton |
|------------------------|------------------------|------------------------------|--------------------------------|----------------|
| <b>No. MODULES: 24</b> |                        |                              |                                |                |
| GW 45 374              | 600x200                | 1 Ø 9.5 mm                   | 4 96x96 mm                     | 1              |
| <b>No. MODULES: 36</b> |                        |                              |                                |                |
| 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 selector switches.



GW45362

### AERATION FRONT PANELS

| Code                   | Dimensions<br>LxH (mm) | Pack<br>Carton |
|------------------------|------------------------|----------------|
| <b>No. MODULES: 24</b> |                        |                |
| GW 45 362              | 600x200                | 1              |
| <b>No. MODULES: 36</b> |                        |                |
| 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 boards.

### ACCESSORIES

GW49209



#### DEPTH ADAPTER

| Code      | Length<br>(mm) | Pack<br>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 160/c-250 range).

GW47291



#### BLANKING MODULE PROFILE IN PLASTIC MATERIAL - GREY RAL 7035

| Code      | No. of modules<br>EN 50022 | Pack<br>Carton |
|-----------|----------------------------|----------------|
| GW 47 291 | 24                         | 10             |

**CHARACTERISTICS:** clip fixing on DIN perforated front panels.

GW45532



#### PAIR OF METAL HINGES FOR FRONT PANELS

| Code      | Fixing<br>type | Opening<br>angle | Suitable<br>for                 | Pack<br>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.

# 47 CVX 630 M RANGE

MONOBLOC DISTRIBUTION BOARDS UP TO 630A - IP55

## INTERNAL CONFIGURATION

### DIN RAILS



GW45401

#### SHEET METAL RAILS FOR MODULAR DEVICES, COMPLETE WITH FIXING SUPPORTS

| Code                   | Section dim.<br>HxD (mm) | Profile                  | Material  | Pack<br>Carton |
|------------------------|--------------------------|--------------------------|-----------|----------------|
| <b>No. MODULES: 24</b> |                          |                          |           |                |
| GW 45 401              | 2x(35x7.5)               | double EN 50022 (DIN 35) | Aluminium | 1              |
| <b>No. MODULES: 36</b> |                          |                          |           |                |
| 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



GW45422

#### BACK-MOUNTING PLATES FOR NON-MODULAR DEVICES, COMPLETE WITH FIXING SUPPORTS

| Code                   | Dimensions<br>LxH (mm) | Pack<br>Carton |
|------------------------|------------------------|----------------|
| <b>No. MODULES: 10</b> |                        |                |
| GW 45 406              | 400x300                | 1              |
| <b>No. MODULES: 24</b> |                        |                |
| GW 45 421              | 600x200                | 1              |
| GW 45 422              | 600x400                | 1              |
| GW 45 423              | 600x600                | 1              |
| <b>No. MODULES: 36</b> |                        |                |
| 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

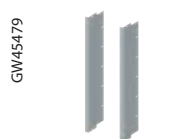


GW45453

#### HORIZONTAL DIVIDING RAILS IN THE STRUCTURE

| Code                   | Width<br>(mm) | Pack<br>Carton |
|------------------------|---------------|----------------|
| <b>No. MODULES: 24</b> |               |                |
| GW 45 453              | 600           | 1              |
| <b>No. MODULES: 36</b> |               |                |
| GW 45 454              | 850           | 1              |

CHARACTERISTICS: allow the internal separation of the distribution board.



GW45479

#### VERTICAL DIVIDING RAILS IN THE STRUCTURE AND IN THE CABLE COMPARTMENT

| Code                                               | Height<br>H (mm) | Pack<br>Carton |
|----------------------------------------------------|------------------|----------------|
| <b>SUITABLE FOR: INTERNAL CABLE COMPARTMENT</b>    |                  |                |
| 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              |
| <b>SUITABLE FOR: STRUCTURES / EXT. CABLE COMP.</b> |                  |                |
| GW 45 457                                          | 1600             | 1              |
| GW 45 458                                          | 1800             | 1              |
| GW 45 459                                          | 2000             | 1              |

CHARACTERISTICS: allow the internal separation (form 2) in the case of busbar in the cable compartment.

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M RANGE

## COMPLEMENTARY ITEMS

## ACCESSORIES

GW45411



## DIN PROFILES

| Code                      | Section dim.<br>HxD (mm) | Profile           | Material         | Pack<br>Carton |
|---------------------------|--------------------------|-------------------|------------------|----------------|
| <b>LENGTH: 24 MODULES</b> |                          |                   |                  |                |
| GW 45 411                 | 35x15                    | EN 50022 (DIN 35) | Galvanized metal | 1              |
| GW 45 412                 | 32x15                    | EN 50035 (G 32)   | Galvanized metal | 1              |
| <b>LENGTH: 36 MODULES</b> |                          |                   |                  |                |
| GW 45 416                 | 35x15                    | EN 50022 (DIN 35) | Galvanized metal | 1              |
| GW 45 417                 | 32x15                    | EN 50035 (G 32)   | Galvanized metal | 1              |
| <b>LENGTH: 2000 MM</b>    |                          |                   |                  |                |
| 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.

GW45521



## PAIR OF SUPPORTS

| Code      | Type                | Installation        | Suitable<br>for            | Pack<br>Carton |
|-----------|---------------------|---------------------|----------------------------|----------------|
| GW 45 521 | For wiring trunking | Horizontal/Vertical | Boards B=600 / 850mm       | 1              |
| GW 45 526 | For terminal block  | Horizontal          | Boards B=600 / 850mm       | 1              |
| GW 45 527 | For terminal block  | Vertical            | Internal cable compartment | 1              |
| GW 45 528 | For terminal block  | Vertical            | External cable compartment | 1              |

GW46448



## VENTILATION KIT

| Code      | Description     | Pack<br>Carton |
|-----------|-----------------|----------------|
| GW 46 448 | Ventilation kit | 1/2            |
| GW 46 471 | Aeration kit    | 1/10           |

NOTE: hole dimensions 125x117 mm; centre distance of fixing: 123x115mm.

GW45582

ADDITIONAL PAINTED PLINTH - H=100 - BLUE RAL 5003  
WITH CONTROLLABLE FRONT AND REAR

| Code      | Dimensions<br>LxD (mm) | Pack<br>Carton |
|-----------|------------------------|----------------|
| GW 45 581 | 400x280                | 1              |
| GW 45 582 | 600x280                | 1              |
| GW 45 583 | 850x280                | 1              |

CHARACTERISTICS: additional block-mount to facilitate cable entry and raise the distribution board. Lateral pre-breaking for the cable passages.

GW45533



## KIT FOR SIDE-BY-SIDE USE OF STRUCTURES AND GASKET IP55

| Code      | Description       | For<br>distribution boards | Quantity | Pack<br>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.

GW45518



## CROSSPIECES FOR CABLE FIXING

| Code      | Suitable<br>for            | Pack<br>Carton |
|-----------|----------------------------|----------------|
| GW 45 516 | Internal cable compartment | 1              |
| GW 45 517 | External cable compartment | 1              |
| GW 45 518 | Boards B=600mm             | 1              |
| GW 45 519 | Boards B=850mm             | 1              |

APPLICATION: permits the fixing of the input/output cables on the board structure.

GW45534



## EARTH BUSBAR WITH THREADED HOLES FOR THE CONNECTION OF EQUIPOTENTIAL BONDING

| Code      | For<br>distribution boards | Section<br>(mm²) | N./diam.<br>of threaded holes | Step<br>drilling (mm) | Pack<br>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.

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MONOBLOC DISTRIBUTION BOARDS UP TO 630A - IP55

GW45537



## EARTH TERMINAL BLOCKS

| Code      | For<br>distribution boards | Section<br>(mm <sup>2</sup> ) | N. terminal and<br>section (mm <sup>2</sup> ) | Step<br>drilling (mm) | Pack<br>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              |

GW46447



## MISCELLANEOUS ACCESSORIES

| Code      | Description              | Characteristics        | Suitable<br>for              | Pack<br>Carton |
|-----------|--------------------------|------------------------|------------------------------|----------------|
| GW 46 447 | Adhesive document pocket | dimensions 310x230 mm  |                              | 1/10           |
| GW 47 491 | N. 2 brackets            |                        | Wall mounting fixing         | 1/10           |
| GW 47 192 | Lock insert              | Yale Type              | wall-mounting distr. boards  | 1/10           |
| GW 47 494 | Rotary handle            | with Yale type inserts | floor-mounting distr. boards | 1              |
| GW 38 561 | N. 2 eyebolts M10        |                        |                              | 1              |

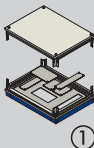
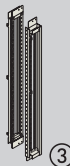
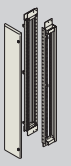
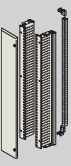
NOTE: GW47192 is supplied with identical keys. GW47494 is supplied with identical keys.

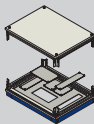
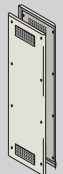
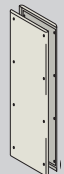


# 47 CVX 1600 RANGE

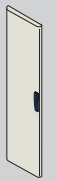
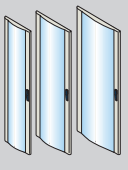
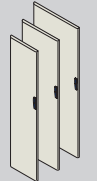
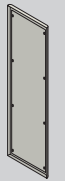
MODULAR DISTRIBUTION CABINETS UP TO 3200A

## CVX 1600 STRUCTURES

| STRUCTURE  |      |         |                             |      |      |                                                                                        |                                                                                         |                                                                                          |                                                                                     |                                                                                          |                                                                                     |  |  |
|------------|------|---------|-----------------------------|------|------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|--|
| Dimensions |      |         | Overall external dimensions |      |      | Base/Head/Skirting                                                                     | Uprights                                                                                | Functional frames for non-separated enclosures                                           |                                                                                     | Functional frames for separated enclosures                                               |                                                                                     |  |  |
| Functional |      | Nominal |                             |      |      | <br>① | <br>② | <br>③ |  | <br>③ |  |  |  |
| H          | L    | D       | H                           | L    | D    |                                                                                        |                                                                                         | Open frame                                                                               | Internal compartment                                                                | Closed frame                                                                             | Internal compartment                                                                |  |  |
| (mm)       | (mm) | (mm)    | (mm)                        | (mm) | (mm) |                                                                                        |                                                                                         |                                                                                          |                                                                                     |                                                                                          |                                                                                     |  |  |
| 1800       | 400  | 400     | 2031                        | 538  | 389  | GW 49 001                                                                              | GW 49 011                                                                               | GW 49 021                                                                                | -                                                                                   | GW 49 023                                                                                | -                                                                                   |  |  |
|            | 400  | 600     |                             | 538  | 664  | GW 49 002                                                                              |                                                                                         |                                                                                          | -                                                                                   |                                                                                          | -                                                                                   |  |  |
|            | 400  | 800     |                             | 538  | 864  | GW 49 003                                                                              |                                                                                         |                                                                                          | -                                                                                   |                                                                                          | -                                                                                   |  |  |
|            | 600  | 400     |                             | 748  | 389  | GW 49 004                                                                              |                                                                                         |                                                                                          | -                                                                                   |                                                                                          | -                                                                                   |  |  |
|            | 600  | 600     |                             | 748  | 664  | GW 49 005                                                                              |                                                                                         |                                                                                          | -                                                                                   |                                                                                          | -                                                                                   |  |  |
|            | 600  | 800     |                             | 748  | 864  | GW 49 006                                                                              |                                                                                         |                                                                                          | -                                                                                   |                                                                                          | -                                                                                   |  |  |
|            | 850  | 400     |                             | 948  | 389  | GW 49 007                                                                              |                                                                                         |                                                                                          | GW 49 112                                                                           |                                                                                          | GW 49 111                                                                           |  |  |
|            | 850  | 600     |                             | 948  | 664  | GW 49 008                                                                              |                                                                                         |                                                                                          |                                                                                     |                                                                                          |                                                                                     |  |  |
|            | 850  | 800     |                             | 948  | 864  | GW 49 009                                                                              |                                                                                         |                                                                                          |                                                                                     |                                                                                          |                                                                                     |  |  |
| 2000       | 400  | 400     | 2231                        | 538  | 389  | GW 49 001                                                                              | GW 49 012                                                                               | GW 49 022                                                                                | -                                                                                   | GW 49 024                                                                                | -                                                                                   |  |  |
|            | 400  | 600     |                             | 538  | 664  | GW 49 002                                                                              |                                                                                         |                                                                                          | -                                                                                   |                                                                                          | -                                                                                   |  |  |
|            | 400  | 800     |                             | 538  | 864  | GW 49 003                                                                              |                                                                                         |                                                                                          | -                                                                                   |                                                                                          | -                                                                                   |  |  |
|            | 600  | 400     |                             | 748  | 389  | GW 49 004                                                                              |                                                                                         |                                                                                          | -                                                                                   |                                                                                          | -                                                                                   |  |  |
|            | 600  | 600     |                             | 748  | 664  | GW 49 005                                                                              |                                                                                         |                                                                                          | -                                                                                   |                                                                                          | -                                                                                   |  |  |
|            | 600  | 800     |                             | 748  | 864  | GW 49 006                                                                              |                                                                                         |                                                                                          | -                                                                                   |                                                                                          | -                                                                                   |  |  |
|            | 850  | 400     |                             | 948  | 389  | GW 49 007                                                                              |                                                                                         |                                                                                          | GW 49 114                                                                           |                                                                                          | GW 49 113                                                                           |  |  |
|            | 850  | 600     |                             | 948  | 664  | GW 49 008                                                                              |                                                                                         |                                                                                          |                                                                                     |                                                                                          |                                                                                     |  |  |
|            | 850  | 800     |                             | 948  | 864  | GW 49 009                                                                              |                                                                                         |                                                                                          |                                                                                     |                                                                                          |                                                                                     |  |  |

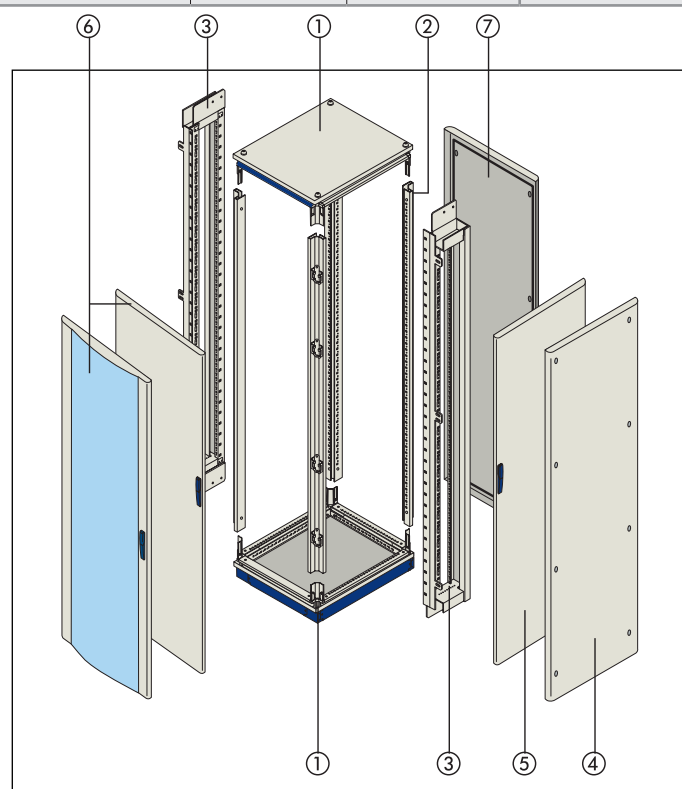
| EXTERNAL CABLE COMPARTMENT |      |         |                             |      |      |                                                                                       |                                                                                        |                                                                                       |                                                                                         |                                                                                         |                                                                                         |
|----------------------------|------|---------|-----------------------------|------|------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Dimensions                 |      |         | Overall external 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                                                                  |
| Functional                 |      | Nominal |                             |      |      |  ① |  ② |  |  ⑥ |  ④ |  ④ |
| H                          | L    | D       | H                           | L    | D    |                                                                                       |                                                                                        |                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| (mm)                       | (mm) | (mm)    | (mm)                        | (mm) | (mm) |                                                                                       |                                                                                        |                                                                                       |                                                                                         |                                                                                         |                                                                                         |
| 1800                       | 300  | 400     | 2031                        | 420  | 362  | GW 49 115                                                                             | GW 49 011                                                                              | GW 49 121                                                                             | GW 49 123                                                                               | -                                                                                       | GW 49 041                                                                               |
|                            |      | 600     |                             |      | 637  | GW 49 116                                                                             |                                                                                        |                                                                                       |                                                                                         | GW 49 031                                                                               | GW 49 042                                                                               |
|                            |      | 800     |                             |      | 837  | GW 49 117                                                                             |                                                                                        |                                                                                       |                                                                                         | GW 49 032                                                                               | GW 49 043                                                                               |
| 2000                       | 300  | 400     | 2231                        | 420  | 362  | GW 49 115                                                                             | GW 49 012                                                                              | GW 49 122                                                                             | GW 49 124                                                                               | -                                                                                       | GW 49 044                                                                               |
|                            |      | 600     |                             |      | 637  | GW 49 116                                                                             |                                                                                        |                                                                                       |                                                                                         | GW 49 033                                                                               | GW 49 045                                                                               |
|                            |      | 800     |                             |      | 837  | GW 49 117                                                                             |                                                                                        |                                                                                       |                                                                                         | GW 49 034                                                                               | GW 49 046                                                                               |

### 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

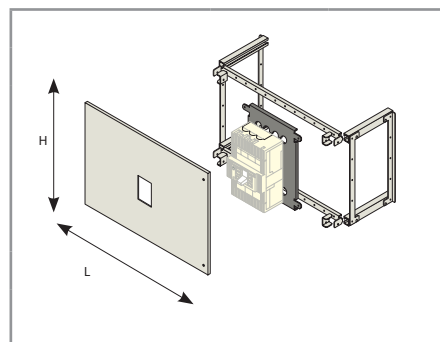
| Side door<br>IP 65                                                                         | Rear panel<br>IP65                                                                         | Finish profile<br>IP 31                                                             |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <br>(5) | <br>(7) |  |
|                                                                                            |                                                                                            |                                                                                     |
| GW 49 051                                                                                  | GW 49 097                                                                                  | See the<br>technical com-<br>mercial<br>tables<br>for the choice<br>available       |
| GW 49 053                                                                                  |                                                                                            |                                                                                     |
| GW 49 055                                                                                  |                                                                                            |                                                                                     |
| GW 49 052                                                                                  | GW 49 098                                                                                  |                                                                                     |
| GW 49 054                                                                                  |                                                                                            |                                                                                     |
| GW 49 056                                                                                  |                                                                                            |                                                                                     |

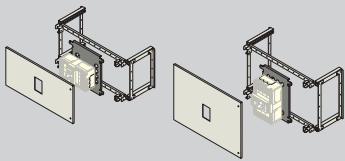
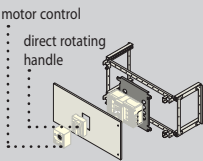
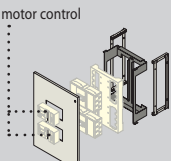


# 47 CVX 1600 RANGE

MODULAR DISTRIBUTION CABINETS UP TO 3200A

## KIT OF MTX, MTS MOULDED-CASE CIRCUIT BREAKERS AND MSS SWITCH DISCONNECTORS FOR NON-SEPARATED CVX 1600 DISTRIBUTION CABINETS

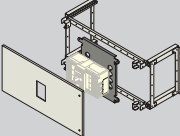
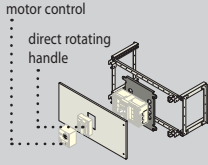
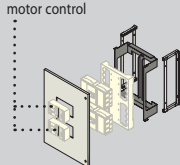
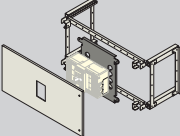
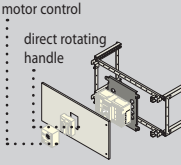
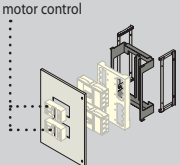


| NON-SEPARATED DISTRIBUTION CABINETS                                               |                      |                      |                                                                                    |                      |                      |                                                                                     |                       |
|-----------------------------------------------------------------------------------|----------------------|----------------------|------------------------------------------------------------------------------------|----------------------|----------------------|-------------------------------------------------------------------------------------|-----------------------|
| FIXED VERSION                                                                     |                      |                      |                                                                                    |                      |                      |                                                                                     |                       |
|  |                      |                      |  |                      |                      |  |                       |
| Horizontal kit                                                                    |                      | Vertical kit         | Horizontal kit                                                                     |                      |                      | Horizontal kit                                                                      |                       |
| LEVER CONTROL                                                                     |                      |                      | DIRECT ROTATING HANDLE                                                             |                      | MOTOR CONTROL        | INTERLOCKED                                                                         | MOTORISED INTERLOCKED |
| L=400mm<br>(12 mod.)                                                              | L=600mm<br>(24 mod.) | L=850mm<br>(36 mod.) | L=600mm<br>(24 mod.)                                                               | L=850mm<br>(36 mod.) | L=600mm<br>(24 mod.) | L=600mm<br>(24 mod.)                                                                | L=600mm<br>(24 mod.)  |
| HORIZONTAL INSTALLATION                                                           |                      |                      |                                                                                    |                      |                      |                                                                                     |                       |
| GW 49 183                                                                         | GW 49 861            | -                    | GW 49 866                                                                          | -                    | GW 49 861            | -                                                                                   | -                     |
| GW 49 186                                                                         | GW 49 863            | GW 49 926            | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| GW 49 184                                                                         | GW 49 862            | -                    | GW 49 867                                                                          | -                    | GW 49 862            | -                                                                                   | -                     |
| GW 49 187<br>(1)                                                                  | GW 49 864<br>(1)     | GW 49 927<br>(1)     | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| GW 49 188                                                                         | GW 49 868            | GW 49 928            | GW 49 869                                                                          | -                    | GW 49 868            | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | -                                                                                  | -                    | -                    | GW 49 875                                                                           | GW 49 875             |
| GW 49 192<br>(1)                                                                  | GW 49 870<br>(1)     | GW 49 929<br>(1)     | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| GW 49 193                                                                         | GW 49 876            | -                    | GW 49 876                                                                          | -                    | GW 49 876            | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | -                                                                                  | -                    | -                    | GW 49 884                                                                           | GW 49 884             |
| -                                                                                 | GW 49 880            | -                    | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| GW 49 195                                                                         | GW 49 888            | GW 49 931            | GW 49 888                                                                          | -                    | GW 49 888            | -                                                                                   | -                     |
| GW 49 195                                                                         | GW 49 888            | GW 49 931            | GW 49 888                                                                          | -                    | GW 49 888            | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | -                                                                                  | -                    | -                    | GW 49 904                                                                           | GW 49 904             |
| -                                                                                 | GW 49 902            | GW 49 933            | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| -                                                                                 | GW 49 906            | -                    | GW 49 908                                                                          | -                    | GW 49 909            | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | -                                                                                  | -                    | -                    | GW 49 911 (2)                                                                       | GW 49 912 (2)         |
| -                                                                                 | GW 49 311 (2)        | -                    | GW 49 312 (2)                                                                      | -                    | GW 49 313 (2)        | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | -                                                                                  | -                    | -                    | GW 49 314                                                                           | GW 49 315             |
| -                                                                                 | -                    | -                    | GW 49 491                                                                          | GW 49 494            | -                    | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | GW 49 492                                                                          | GW 49 495            | -                    | -                                                                                   | -                     |
| VERTICAL INSTALLATION                                                             |                      |                      |                                                                                    |                      |                      |                                                                                     |                       |
| GW 49 189                                                                         | GW 49 873            | GW 49 930            | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| GW 49 194                                                                         | GW 49 877            | -                    | GW 49 877                                                                          | -                    | GW 49 877            | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| -                                                                                 | GW 49 881            | -                    | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| GW 49 196                                                                         | GW 49 895            | GW 49 932            | GW 49 895                                                                          | -                    | GW 49 895            | -                                                                                   | -                     |
| GW 49 196                                                                         | GW 49 895            | GW 49 932            | GW 49 895                                                                          | -                    | GW 49 895            | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| GW 49 197                                                                         | GW 49 903            | GW 49 934            | -                                                                                  | -                    | -                    | -                                                                                   | -                     |
| -                                                                                 | GW 49 915            | GW 49 935            | GW 49 917                                                                          | -                    | GW 49 918            | -                                                                                   | -                     |
| -                                                                                 | GW 49 317            | GW 49 340            | GW 49 319                                                                          | -                    | GW 49 320            | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | GW 49 491                                                                          | GW 49 494            | -                    | -                                                                                   | -                     |
| -                                                                                 | -                    | -                    | 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

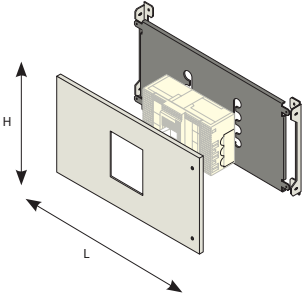
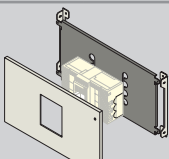
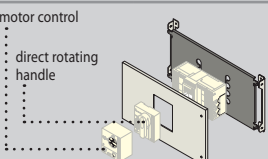
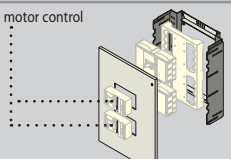
### NON-SEPARATED DISTRIBUTION CABINETS

| NON-SEPARATED DISTRIBUTION CABINETS                                                                 |                      |                                                                                                     |                      |                                                                                                     |                       |                                                                                                     |                      |                                                                                                       |                      |                                                                                                       |                       |
|-----------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------|-----------------------|
| PLUG-IN VERSION                                                                                     |                      |                                                                                                     |                      |                                                                                                     |                       | WITHDRAWABLE VERSION                                                                                |                      |                                                                                                       |                      |                                                                                                       |                       |
| <br>Horizontal kit |                      | <br>Horizontal kit |                      | <br>Horizontal kit |                       | <br>Horizontal kit |                      | <br>Horizontal kit |                      | <br>Horizontal kit |                       |
| LEVER CONTROL                                                                                       |                      | DIRECT ROTATING HANDLE                                                                              | MOTOR CONTROL        | INTERLOCKED                                                                                         | MOTORISED INTERLOCKED | LEVER CONTROL                                                                                       |                      | DIRECT ROTATING HANDLE                                                                                | MOTOR CONTROL        | INTERLOCKED                                                                                           | MOTORISED INTERLOCKED |
| L=400mm<br>(12 mod.)                                                                                | L=600mm<br>(24 mod.) | L=600mm<br>(24 mod.)                                                                                | L=600mm<br>(24 mod.) | L=600mm<br>(24 mod.)                                                                                | L=600mm<br>(24 mod.)  | L=400mm<br>(12 mod.)                                                                                | L=600mm<br>(24 mod.) | L=600mm<br>(24 mod.)                                                                                  | L=600mm<br>(24 mod.) | L=600mm<br>(24 mod.)                                                                                  | L=600mm<br>(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 RANGE

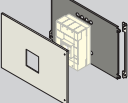
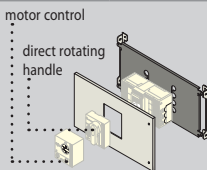
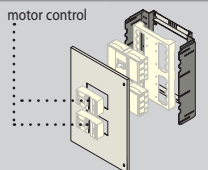
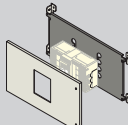
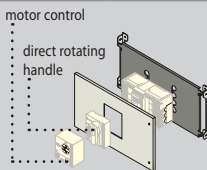
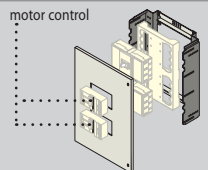
MODULAR DISTRIBUTION CABINETS UP TO 3200A

## KIT OF MTX AND MTS MOULDED-CASE CIRCUIT BREAKERS FOR SEPARATED CVX 1600 DISTRIBUTION CABINETS

|  |                   |          | SEPARATED DISTRIBUTION BOARDS                                                                       |                                                                                                      |                      |                                                                                                       |                       |                      |
|-----------------------------------------------------------------------------------|-------------------|----------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------|-----------------------|----------------------|
|                                                                                   |                   |          | FIXED VERSION                                                                                       |                                                                                                      |                      |                                                                                                       |                       |                      |
|                                                                                   |                   |          | <br>Horizontal kit | <br>Horizontal kit |                      | <br>Horizontal kit |                       |                      |
|                                                                                   |                   |          | LEVER CONTROL                                                                                       | DIRECT ROTATING HANDLE                                                                               | MOTOR CONTROL        | INTERLOCKED                                                                                           | MOTORISED INTERLOCKED |                      |
| MTX front and rear coupling kit                                                   | Panel height (mm) | N. poles | L=400mm<br>(12 mod.)                                                                                | L=600mm<br>(24 mod.)                                                                                 | L=600mm<br>(24 mod.) | L=600mm<br>(24 mod.)                                                                                  | L=600mm<br>(24 mod.)  | L=600mm<br>(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<br>MTX/E/M 630 (400A)                                                    | 300               | 3-4P     | GW 49 592                                                                                           | GW 49 963                                                                                            | GW 49 963            | GW 49 970                                                                                             | -                     | -                    |
| MTXM 400<br>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<br>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 (1)         | GW 49 436 (1)        |
| VERTICAL INSTALLATION                                                             |                   |          |                                                                                                     |                                                                                                      |                      |                                                                                                       |                       |                      |
| MTX/E/M 320                                                                       | 400               | 3-4P     | GW 49 590                                                                                           | GW 49 955                                                                                            | -                    | -                                                                                                     | -                     | -                    |
| MTXM 400<br>MTX/E/M 630 (400A)                                                    | 400               | 3-4P     | GW 49 593                                                                                           | GW 49 971                                                                                            | -                    | -                                                                                                     | -                     | -                    |
| MTXM 400<br>MTX/E/M 630                                                           | 400               | 3-4P     | GW 49 593                                                                                           | GW 49 971                                                                                            | -                    | -                                                                                                     | -                     | -                    |
| MTXM 800<br>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            | GW 49 442 (1)                                                                                         | -                     | -                    |

(1) only form 2

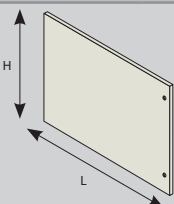
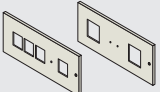
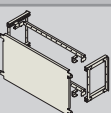
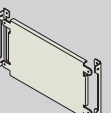
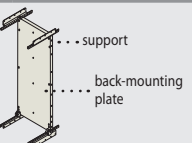
### SEPARATED DISTRIBUTION BOARDS

| SEPARATED DISTRIBUTION BOARDS                                                                     |                      |                                                                                                     |                      |                                                                                                     |                       |                                                                                                     |                      |                                                                                                       |                      |                                                                                                       |                       |
|---------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------|-----------------------|
| PLUG-IN VERSION                                                                                   |                      |                                                                                                     |                      |                                                                                                     |                       | WITHDRAWABLE VERSION                                                                                |                      |                                                                                                       |                      |                                                                                                       |                       |
| <br>Vertical kit |                      | <br>Horizontal kit |                      | <br>Horizontal kit |                       | <br>Horizontal kit |                      | <br>Horizontal kit |                      | <br>Horizontal kit |                       |
| LEVER CONTROL                                                                                     |                      | DIRECT ROTATING HANDLE                                                                              | MOTOR CONTROL        | INTERLOCKED                                                                                         | MOTORISED INTERLOCKED | LEVER CONTROL                                                                                       |                      | DIRECT ROTATING HANDLE                                                                                | MOTOR CONTROL        | INTERLOCKED                                                                                           | MOTORISED INTERLOCKED |
| L=400mm<br>(12 mod.)                                                                              | L=600mm<br>(24 mod.) | L=600mm<br>(24 mod.)                                                                                | L=600mm<br>(24 mod.) | L=600mm<br>(24 mod.)                                                                                | L=600mm<br>(24 mod.)  | L=400mm<br>(12 mod.)                                                                                | L=600mm<br>(24 mod.) | L=600mm<br>(24 mod.)                                                                                  | L=600mm<br>(24 mod.) | L=600mm<br>(24 mod.)                                                                                  | L=600mm<br>(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 (1)                                                                                         | GW 49 438 (1)         |
| 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                                                                                             | GW 49 443 (1)        | -                                                                                                     | -                     |

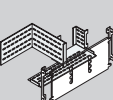
# 47 CVX 1600 RANGE

MODULAR DISTRIBUTION CABINETS UP TO 3200A

## 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           |
| 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<br>No. 2 switches | 200               | -                   | GW 49 514           | GW 49 518           |
|                                                                                     |                                                                                     | No. 2 instruments 96x96mm<br>No. 2 switches | 200               | -                   | GW 49 515           | GW 49 519           |
|                                                                                     |                                                                                     | No. 4 instruments 72x72mm<br>No. 1 switch   | 200               | -                   | GW 49 516           | GW 49 520           |
|                                                                                     |                                                                                     | No. 4 instruments 96x96 mm<br>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                                                                |                                             | 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           |
|                                                                                     |                                                                                     |                                             | -                 | -                   | GW 49 834           | GW 49 834           |

## CVX 1600 DISTRIBUTION CABINETS CONFIGURATION

| INTERNAL SEPARATION FOR MTX 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                                                   |  | HORIZONTAL INSTALLATION |                                                                     |           |           |           |               |           |
|                                                           |                                                                                   | L = 400mm               | GW 49 531                                                           | GW 49 532 | -         | -         | GW 49 534 (2) | -         |
|                                                           |                                                                                   | L = 600mm               | GW 49 535                                                           | GW 49 536 | -         | GW 49 538 | GW 49 539     | GW 49 544 |
|                                                           |                                                                                   | VERTICAL INSTALLATION   |                                                                     |           |           |           |               |           |
|                                                           |                                                                                   | D = 600mm               | -                                                                   | -         | GW 49 996 | GW 49 540 | -             | -         |
|                                                           |                                                                                   | D = 800mm               | -                                                                   | -         | GW 49 997 | GW 49 541 | -             | GW 49 543 |
| +                                                         |                                                                                   |                         |                                                                     |           |           |           |               |           |
| FORM 4B                                                   |  | HORIZONTAL INSTALLATION |                                                                     |           |           |           |               |           |
|                                                           |                                                                                   | D = 600mm               | GW 49 550                                                           | GW 49 551 | -         | GW 49 553 | GW 49 554     | -         |
|                                                           |                                                                                   | D = 800mm               |                                                                     |           |           |           |               |           |
|                                                           |                                                                                   | VERTICAL INSTALLATION   |                                                                     |           |           |           |               |           |
|                                                           |                                                                                   | D = 600mm               | -                                                                   | -         | GW 49 998 | GW 49 555 | -             | -         |
| D = 800mm                                                 | -                                                                                 | -                       | GW 49 999                                                           | GW 49 556 | -         | GW 49 558 |               |           |

| INTERNAL SEPARATION FOR BUSBARS                   |                            |                            |                    |                    |                    |
|---------------------------------------------------|----------------------------|----------------------------|--------------------|--------------------|--------------------|
| Horizontal busbars                                | Internal cable compartment | External cable compartment | L= 400mm (12 mod.) | L= 600mm (24 mod.) | L= 850mm (36 mod.) |
| 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 P=600/800 mm         | GW 49 574                  | GW 49 575                  | GW 49 576 (1)      | GW 49 577 (1)      | -                  |
| <b>Vertical busbars</b>                           | <b>D = 600mm</b>           | <b>D = 800mm</b>           | -                  | -                  | -                  |
| 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                  | -                  | -                  | -                  |

(1) Structure used as external cable compartment (2) Only for back-mounting plate H=600mm

(2) Only for back-mounting plate H=600mm

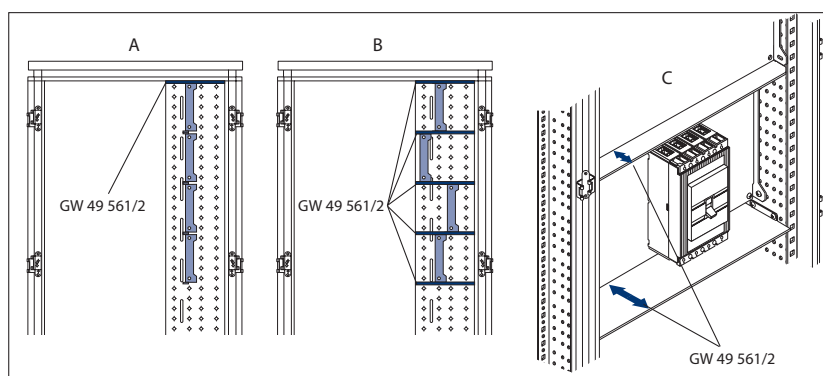
## NOTE:

The internal separation are obtained in enclosures with L = 400/600mm and D = 600/800mm, with closed functional frames and the separable version installation kit.

The internal separation forms greater than 2A are obtained from the combination of the enclosure in Form 2A with the elements of the greater forms until the required form is created (e.g. Form 4B = kit Form 2A + kit Form 3B + kit Form 4B). Form 2A device separation is achieved with the separated enclosures installation kit.

The universal separations GW 49561 and GW 49562 can be used to create separations of Form 2A for 12 or 24 module kit, ordering 2 pieces for each structure and one piece for each circuit breaker cell with the plate not aligned with the adjacent cell. For enclosures with separation kits in Form 3B and 4B, order one piece for each structure (the Form 3 kits include a universal horizontal shelf). For internal separated enclosures of Forms 2-3-4, order moulded-cases circuit breakers with the relative rear connection terminals.

For modular devices on DIN rail, the back-mounting plate for separated enclosures (from GW 49 819 to GW 49 827) is necessary, as well as the DIN rail for closed frames and the DIN panel.



Internal separation examples:

- Form 2A with aligned plates (A)
- Form 2A or 3A (with MTX only), with non-aligned plates (B)
- Front view of the functional unit cell (C)

# 47 CVX 1600 RANGE

MODULAR DISTRIBUTION CABINETS UP TO 3200A

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 |
| <b>LEVER CONTROL</b>                                    |                   |                                     |           |           |                 |           |           |                      |           |           |
| MTX/M 160c                                              | front connections | *                                   | *         | *         | -               | -         | -         | -                    | -         | -         |
|                                                         | rear connections  | *                                   | *         | *         | -               | -         | -         | -                    | -         | -         |
| MTX/M 160c +<br>BD residual current device              | front connections | *                                   | *         | *         | -               | -         | -         | -                    | -         | -         |
|                                                         | rear connections  | *                                   | *         | *         | -               | -         | -         | -                    | -         | -         |
| MTX/E 160                                               | front connections | *                                   | *         | *         | *               | *         | *         | -                    | -         | -         |
|                                                         | rear connections  | *                                   | *         | *         | *               | *         | *         | -                    | -         | -         |
| MTX/E 160 +<br>BD residual current device               | front connections | *                                   | *         | *         | -               | -         | -         | -                    | -         | -         |
|                                                         | rear connections  | -                                   | -         | -         | -               | -         | -         | -                    | -         | -         |
| MTX/M 250                                               | front connections | *                                   | *         | *         | *               | *         | *         | -                    | -         | -         |
|                                                         | rear connections  | -                                   | *         | *         | -               | *         | *         | -                    | -         | -         |
| MTX/M 250 +<br>BD residual current device               | front connections | *                                   | *         | *         | -               | -         | -         | -                    | -         | -         |
|                                                         | rear connections  | -                                   | -         | -         | -               | -         | -         | -                    | -         | -         |
| MTX/E/M 320                                             | front connections | *                                   | *         | *         | *               | *         | *         | *                    | *         | *         |
|                                                         | rear connections  | -                                   | *         | *         | -               | *         | *         | -                    | *         | *         |
| MTX/E/M 320 +<br>BD residual current device             | front connections | *                                   | *         | *         | -               | -         | -         | -                    | -         | -         |
|                                                         | rear connections  | -                                   | *         | *         | -               | -         | -         | -                    | -         | -         |
| MTXM 400<br>MTX/E/M 630                                 | front connections | *                                   | *         | *         | *               | *         | *         | *                    | *         | *         |
|                                                         | rear connections  | -                                   | *         | *         | -               | *         | *         | -                    | *         | *         |
| MTXM 400<br>MTX/E/M 630 +<br>BD residual current device | front connections | *                                   | *         | *         | -               | -         | -         | -                    | -         | -         |
|                                                         | rear connections  | -                                   | *         | *         | -               | -         | -         | -                    | -         | -         |
| MTXM 800<br>MTX/E/M 1000                                | front connections | *                                   | *         | *         | -               | -         | -         | -                    | *         | *         |
|                                                         | rear connections  | -                                   | *         | *         | -               | -         | -         | -                    | *         | *         |
| MTSE 1600<br>MTSM 1600                                  | front connections | -                                   | *         | *         | -               | -         | -         | -                    | -         | *         |
|                                                         | rear connections  | -                                   | *         | *         | -               | -         | -         | -                    | -         | *         |
| <b>DIRECT ROTARY HANDLE / MOTOR CONTROL</b>             |                   |                                     |           |           |                 |           |           |                      |           |           |
| 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<br>MTX/E/M 630                                 | front connections | *                                   | *         | *         | -               | -         | -         | 1                    | 1         | 1         |
|                                                         | rear connections  | -                                   | *         | *         | -               | -         | -         | -                    | 1         | 1         |
| MTXM 800<br>MTX/E/M 1000                                | front connections | *                                   | *         | *         | -               | -         | -         | -                    | 1         | 1         |
|                                                         | rear connections  | -                                   | *         | *         | -               | -         | -         | -                    | 1         | 1         |
| MTSE 1600<br>MTSM 1600                                  | front connections | -                                   | *         | *         | -               | -         | -         | -                    | -         | 2         |
|                                                         | rear connections  | -                                   | *         | *         | -               | -         | -         | -                    | -         | 2         |
| MSS 250<br>MSS 630                                      | front connections | *                                   | *         | *         | -               | -         | -         | -                    | -         | -         |
|                                                         | rear connections  | -                                   | -         | -         | -               | -         | -         | -                    | -         | -         |
| <b>INTERLOCKED / MOTORISED INTERLOCKED</b>              |                   |                                     |           |           |                 |           |           |                      |           |           |
| 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<br>MTX/E/M 630                                 | front connections | -                                   | *         | *         | -               | *         | *         | -                    | *         | *         |
|                                                         | rear connections  | -                                   | *         | *         | -               | *         | *         | -                    | *         | *         |
| MTXM 800<br>MTX/E/M 1000                                | front connections | -                                   | *         | *         | -               | -         | -         | -                    | *         | *         |
|                                                         | rear connections  | -                                   | *         | *         | -               | -         | -         | -                    | -         | *         |
| MTSE 1600<br>MTSM 1600                                  | front connections | -                                   | *         | *         | -               | -         | -         | -                    | -         | 3         |
|                                                         | rear connections  | -                                   | *         | *         | -               | -         | -         | -                    | -         | 3         |

|                  |   |                                                                         |   |                                                                            |
|------------------|---|-------------------------------------------------------------------------|---|----------------------------------------------------------------------------|
| SYMBOL<br>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= 400mm (1)                  | D = 600mm | D = 800mm | D= 400mm (1)    | D = 600mm | D = 800mm | D= 400mm (1)         | D = 600mm | D = 800mm |
| <b>LEVER CONTROL</b>                        |                   |                               |           |           |                 |           |           |                      |           |           |
| MTX/M 160c                                  | front connections | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
|                                             | rear connections  | *                             | *         | *         | -               | -         | -         | -                    | -         | -         |
| MTX/M 160c +<br>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<br>MTX/E/M 630                     | front connections | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
|                                             | rear connections  | -                             | *         | *         | -               | *         | *         | -                    | *         | *         |
| MTXM 800<br>MTX/E/M 1000                    | front connections | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
|                                             | rear connections  | -                             | *         | *         | -               | -         | -         | -                    | *         | *         |
| MTSE 1600<br>MTSM 1600                      | front connections | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
|                                             | rear connections  | -                             | *         | *         | -               | -         | -         | -                    | -         | *         |
| <b>DIRECT ROTARY HANDLE / MOTOR CONTROL</b> |                   |                               |           |           |                 |           |           |                      |           |           |
| 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<br>MTX/E/M 630                     | front connections | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
|                                             | rear connections  | -                             | *         | *         | -               | 2         | 2         | -                    | 1-2       | 1-2       |
| MTXM 800<br>MTX/E/M 1000                    | front connections | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
|                                             | rear connections  | -                             | *         | *         | -               | -         | -         | -                    | 1-2       | 1-2       |
| MTSE 1600<br>MTSM 1600                      | front connections | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
|                                             | rear connections  | -                             | -         | *         | -               | -         | -         | -                    | -         | 3         |
| MSS 250<br>MSS 630                          | front connections | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
|                                             | rear connections  | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
| <b>INTERLOCKED / MOTORISED INTERLOCKED</b>  |                   |                               |           |           |                 |           |           |                      |           |           |
| 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<br>MTX/E/M 630                     | front connections | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
|                                             | rear connections  | -                             | *         | *         | -               | 3         | 3         | -                    | 3         | 3         |
| MTXM 800<br>MTX/E/M 1000                    | front connections | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
|                                             | rear connections  | -                             | *         | *         | -               | -         | -         | -                    | *         | *         |
| MTSE 1600<br>MTSM 1600                      | front connections | -                             | -         | -         | -               | -         | -         | -                    | -         | -         |
|                                             | rear connections  | -                             | -         | *         | -               | -         | -         | -                    | -         | 3         |

(1) only form 2

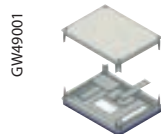
# 47 CVX 1600 RANGE

MODULAR DISTRIBUTION CABINETS UP TO 3200A

| CVX 1600                                                                           |                                                                            |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| ELECTRICAL CHARACTERISTICS                                                         | MECHANICAL CHARACTERISTICS                                                 |
| Standards: EN 60439-1, EN 61439-1 and EN 61439-2                                   | Degree of protection IP: IP31/41 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                                      | IP 65 with glass/blank door                                                |
| Rated insulation voltage (Ui): up to 1000V AC                                      | Impact resistance IK: 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                                   | Sheet steel casing and functional uprights, 15/10mm thick                  |
| Short-circuiting 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 Grey RAL 7035 epoxy-polyester powder              |

## STRUCTURAL ELEMENTS

### BASE STRUCTURE



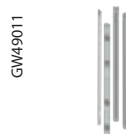
GW49001

#### BASE COMPLETE WITH INSPECTABLE BASE MOUNT AND PRE-ASSEMBLED HEAD

| Code               | Functional dim.<br>LxD (mm) | External dim.<br>LxD (mm) | Pack<br>Carton |
|--------------------|-----------------------------|---------------------------|----------------|
| <b>MODULES: 12</b> |                             |                           |                |
| GW 49 001          | 400x400                     | 510x323                   | 1              |
| GW 49 002          | 400x600                     | 510x598                   | 1              |
| GW 49 003          | 400x800                     | 510x798                   | 1              |
| <b>MODULES: 24</b> |                             |                           |                |
| GW 49 004          | 600x400                     | 720x323                   | 1              |
| GW 49 005          | 600x600                     | 720x598                   | 1              |
| GW 49 006          | 600x800                     | 720x798                   | 1              |
| <b>MODULES: 36</b> |                             |                           |                |
| 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.



GW49011

#### NR. 4 VERTICAL UPRIGHTS WITH PRE-ASSEMBLED HINGES IN GALVANIZED MATERIAL

| Code      | Functional Height<br>(mm) | External board<br>height (mm) | Pack<br>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



GW49021

#### PAIR OF FUNCTIONAL FRAMES FOR NON-SEPARATED DISTRIBUTION BOARDS (OPEN FRAME)

| Code      | Functional Height<br>(mm) | External board<br>height (mm) | Pack<br>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).



GW49023

#### PAIR OF FUNCTIONAL FRAMES FOR SEPARATED DISTRIBUTION BOARDS (CLOSED FRAME)

| Code      | Functional Height<br>(mm) | External board<br>height (mm) | Pack<br>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).

## SIDE AND BACK PANELS

GW49041



## PAIR OF LATERAL SOLID PANELS IN PAINTED SHEET STEEL

| Code      | For structures<br>HxD (mm) | Pack<br>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.

GW49031



## PAIR OF AERATION PANELS IN PAINTED SHEET STEEL

| Code      | For structures<br>HxD (mm) | Pack<br>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.

GW49091



## BACK SOLID PANELS IN PAINTED SHEET STEEL

| Code      | For structures<br>LxH (mm) | Pack<br>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

GW49061



## SMOKED CURVED TEMPERED SAFETY GLASS FRONT AND BACK DOORS IP65 EQUIPPED WITH HANDLE AND ROD-MECHANISM LOCK

| Code      | For structures<br>LxH (mm) | Pack<br>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.

GW49071



## FRONT OR REAR PROTRUDING GLASS IP65 DOORS EQUIPPED WITH HANDLE AND ROD-MECHANISM LOCK

| Code      | For structures<br>LxH (mm) | Pack<br>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.

# 47 CVX 1600 RANGE

MODULAR DISTRIBUTION CABINETS UP TO 3200A

GW49081



## SOLID PAINTED SHEET STEEL DOORS IP65 EQUIPPED WITH HANDLE AND ROD-MECHANISM LOCK

| Code      | For structures<br>LxH (mm) | Pack<br>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.

GW49051



## PAIR OF SOLID LATERAL DOORS - IP65

| Code      | For structures<br>HxD (mm) | Pack<br>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.



## FRONT FINISHING PROFILES IN INSULATING MATERIAL FOR DISTRIBUTION BOARDS WITHOUT DOOR IP31/IP41

| Code                       | Type   | For structures<br>(mm) | Quantity | Pack<br>Carton |
|----------------------------|--------|------------------------|----------|----------------|
| <b>PROFILE: HORIZONTAL</b> |        |                        |          |                |
| 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              |
| <b>PROFILE: VERTICAL</b>   |        |                        |          |                |
| 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.

GW49212



## HORIZONTAL METAL PROFILES FOR IP41 DISTRIBUTION BOARDS WITHOUT DOORS

| Code      | For structures<br>L (mm) | Quantity | Pack<br>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.

47 CVX  
1600 RANGE

## INTERNAL CABLE COMPARTMENT

GW49112



## KIT INTERNAL CABLE COMPARTMENT FOR NON-SEPARATED DISTRIBUTION BOARDS (OPEN FRAME) COMPLETE WITH HINGED COVER

| Code      | For structures<br>LxH (mm) | Pack<br>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.

GW49111



## INTERNAL CABLE COMPARTMENT KIT FOR SEPARATED DISTRIBUTION BOARDS (CLOSED FRAME) COMPLETE WITH HINGED COVER AND REAR UPRIGHT

| Code      | For structures<br>LxH (mm) | Pack<br>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.

GW49025



## REAR UPRIGHTS FOR INTERNAL COMPARTMENT FOR NON-SEPARATED DISTRIBUTION BOARDS (OPEN FRAME)

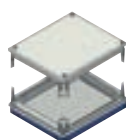
| Code      | For structures<br>(mm) | Pack<br>Carton |
|-----------|------------------------|----------------|
| GW 49 025 | H=1800                 | 1              |
| GW 49 026 | H=2000                 | 1              |

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

GW49115



## BASE COMPLETE WITH INSPECTABLE BASE MOUNT AND PRE-ASSEMBLED HEAD FOR EXTERNAL COMPARTMENT

| Code      | Functional dim.<br>LxD (mm) | External dim.<br>LxD (mm) | Pack<br>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.

GW49121



## INTERNAL/EXTERNAL SOLID DOORS AND REAR PANEL IN PAINTED SHEET STEEL

| Code                                        | For structures<br>LxH (mm) | Pack<br>Carton |
|---------------------------------------------|----------------------------|----------------|
| <b>DESCRIPTION: INTERNAL DOOR IP31/IP41</b> |                            |                |
| GW 49 121                                   | 300x1800                   | 1              |
| GW 49 122                                   | 300x2000                   | 1              |
| <b>DESCRIPTION: EXTERNAL DOOR IP65</b>      |                            |                |
| GW 49 123                                   | 300x1800                   | 1              |
| GW 49 124                                   | 300x2000                   | 1              |
| <b>DESCRIPTION: REAR PANEL IP65</b>         |                            |                |
| 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.

# 47 CVX 1600 RANGE

MODULAR DISTRIBUTION CABINETS UP TO 3200A

## FRONT CONFIGURATION

### INSTALLATION KIT FOR DEVICES ON DIN RAIL

GW49501



#### FRONT PANELS IN PAINTED SHEET STEEL WITH DIN PERFORATION

| Code               | No. DIN rows | Dimensions LxH (mm) | Pack Carton |
|--------------------|--------------|---------------------|-------------|
| <b>MODULES: 12</b> |              |                     |             |
| GW 49 501          | 1            | 400x200             | 1           |
| <b>MODULES: 24</b> |              |                     |             |
| GW 49 502          | 1            | 600x200             | 1           |
| GW 49 504          | 2            | 600x300             | 1           |
| GW 49 146          | 1            | 600x300             | 1           |
| <b>MODULES: 36</b> |              |                     |             |
| 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.

GW49221



#### 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 |
|--------------------|---------------------------|-----------------------------|----------------|-------------|
| <b>MODULES: 12</b> |                           |                             |                |             |
| GW 49 221          | 1 DIN rail                | Twin - Aluminium            | open frame     | 1           |
| GW 49 222          | 1 DIN rail                | Twin - Aluminium            | closed frame   | 1           |
| <b>MODULES: 24</b> |                           |                             |                |             |
| 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           |
| <b>MODULES: 36</b> |                           |                             |                |             |
| 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-SEGREGATED CABINETS B = 400MM - COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND  
FIXING PLATES**

| Code                                      | Execution          | Control | No.<br>of poles | Height<br>H (mm) | Installation | Pack<br>Carton |
|-------------------------------------------|--------------------|---------|-----------------|------------------|--------------|----------------|
| <b>SUITABLE FOR: MTX/M 160c</b>           |                    |         |                 |                  |              |                |
| GW 49 183                                 | Fixed              | Lever   | 3P - 4P         | 200              | Horizontal   | 1              |
| GW 49 186                                 | Fixed + add-on RCD | Lever   | 4P              | 200              | Horizontal   | 1              |
| <b>SUITABLE FOR: MTX/E 160</b>            |                    |         |                 |                  |              |                |
| 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              |
| <b>SUITABLE FOR: MTX/M 250</b>            |                    |         |                 |                  |              |                |
| 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              |
| <b>SUITABLE FOR: MTX/E/M 320</b>          |                    |         |                 |                  |              |                |
| GW 49 193                                 | Fixed              | Lever   | 3P - 4P         | 200              | Horizontal   | 1              |
| GW 49 194                                 | Fixed              | Lever   | 3P - 4P         | 400              | Vertical     | 1              |
| <b>SUITABLE FOR: MTXM 400-MTX/E/M 630</b> |                    |         |                 |                  |              |                |
| 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-SEGREGATED CABINETS  
B = 600MM - COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATES**

| Code                                           | Execution                 | Control                     | No.<br>of poles | Height<br>H (mm) | Installation | Pack<br>Carton |
|------------------------------------------------|---------------------------|-----------------------------|-----------------|------------------|--------------|----------------|
| <b>SUITABLE FOR: MTX/M 160c</b>                |                           |                             |                 |                  |              |                |
| 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              |
| <b>SUITABLE FOR: MTX/E 160</b>                 |                           |                             |                 |                  |              |                |
| 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              |
| <b>SUITABLE FOR: MTX/M 250</b>                 |                           |                             |                 |                  |              |                |
| 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              |
| <b>SUITABLE FOR: MTX/E/M 320</b>               |                           |                             |                 |                  |              |                |
| 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              |
| <b>SUITABLE FOR: MTXM 400-MTX/E 630 (400A)</b> |                           |                             |                 |                  |              |                |
| 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              |

To be continue on next page

# 47 CVX 1600 RANGE

MODULAR DISTRIBUTION CABINETS UP TO 3200A

(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 |
|---------------------------------------------|--------------------------------|-----------------------------|--------------|---------------|--------------|-------------|
| <b>SUITABLE FOR: MTX/E/M 630 (500/630A)</b> |                                |                             |              |               |              |             |
| 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           |
| <b>SUITABLE FOR: MTXM 400-MTX/E/M 630</b>   |                                |                             |              |               |              |             |
| 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           |
| <b>SUITABLE FOR: MTX/E/M 1000</b>           |                                |                             |              |               |              |             |
| 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           |
| <b>SUITABLE FOR: MTSE/M 1600</b>            |                                |                             |              |               |              |             |
| 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

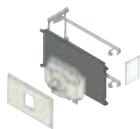
| Code                                      | Execution          | Control | No. of poles | Height H (mm) | Installation | Pack Carton |
|-------------------------------------------|--------------------|---------|--------------|---------------|--------------|-------------|
| <b>SUITABLE FOR: MTX/M 160c</b>           |                    |         |              |               |              |             |
| GW 49 926                                 | Fixed + add-on RCD | Lever   | 4P           | 200           | Horizontal   | 1           |
| <b>SUITABLE FOR: MTX/E 160</b>            |                    |         |              |               |              |             |
| GW 49 927                                 | Fixed + add-on RCD | Lever   | 4P           | 200           | Horizontal   | 1           |
| <b>SUITABLE FOR: MTX/M 250</b>            |                    |         |              |               |              |             |
| 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           |
| <b>SUITABLE FOR: MTXM 400-MTX/E/M 630</b> |                    |         |              |               |              |             |
| 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           |
| <b>SUITABLE FOR: MTX/E/M 1000</b>         |                    |         |              |               |              |             |
| GW 49 935                                 | Fixed              | Lever   | 3P - 4P      | 500           | Vertical     | 1           |
| <b>SUITABLE FOR: MTSE/M 1600</b>          |                    |         |              |               |              |             |
| 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

GW49491



### INSTALLATION KIT FOR A SWITCH DISCONNECTOR UP TO 630 A IN FIXED EXECUTION WITH FRONT TERMINALE IN NON SEPARATED CABINETS - COMPLETE WITH PERFORATED FRONT PANEL, SUPPORTS AND FIXING PLATES

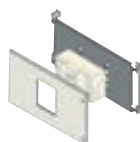
| Code               | Dimensions LxH (mm) | Suitable for | No. of poles | Installation        | Pack Carton |
|--------------------|---------------------|--------------|--------------|---------------------|-------------|
| <b>MODULES: 24</b> |                     |              |              |                     |             |
| 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           |
| <b>MODULES: 36</b> |                     |              |              |                     |             |
| 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.

# 47 CVX 1600 RANGE

MODULAR DISTRIBUTION CABINETS UP TO 3200A

## 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 |
|---------------------------------------------|--------------|---------|--------------|---------------|--------------|-------------|
| <b>SUITABLE FOR: MTX/M 160c</b>             |              |         |              |               |              |             |
| GW 49 584                                   | Fixed        | Lever   | 3P - 4P      | 200           | Horizontal   | 1           |
| <b>SUITABLE FOR: MTX/E 160</b>              |              |         |              |               |              |             |
| GW 49 585                                   | Fixed        | Lever   | 3P - 4P      | 200           | Horizontal   | 1           |
| GW 49 586                                   | Plug-in      | Lever   | 3P - 4P      | 200           | Horizontal   | 1           |
| <b>SUITABLE FOR: MTX/M 250</b>              |              |         |              |               |              |             |
| GW 49 587                                   | Fixed        | Lever   | 3P - 4P      | 200           | Horizontal   | 1           |
| GW 49 588                                   | Plug-in      | Lever   | 3P - 4P      | 200           | Horizontal   | 1           |
| <b>SUITABLE FOR: MTX/E/M 320</b>            |              |         |              |               |              |             |
| GW 49 589                                   | Fixed        | Lever   | 3P - 4P      | 200           | Horizontal   | 1           |
| GW 49 590                                   | Fixed        | Lever   | 3P - 4P      | 400           | Vertical     | 1           |
| <b>SUITABLE FOR: MTXM 400-MTX/E/M 630</b>   |              |         |              |               |              |             |
| GW 49 592                                   | Fixed        | Lever   | 3P - 4P      | 300           | Horizontal   | 1           |
| GW 49 593                                   | Fixed        | Lever   | 3P - 4P      | 400           | Vertical     | 1           |
| <b>SUITABLE FOR: MTX/E/M 630 (500/630A)</b> |              |         |              |               |              |             |
| 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 |
|------------------------------------------------|---------------------------|----------------------------|--------------|---------------|--------------|-------------|
| <b>SUITABLE FOR: MTX/M 160c</b>                |                           |                            |              |               |              |             |
| GW 49 941                                      | Fixed                     | Lever/Motor                | 3P - 4P      | 200           | Horizontal   | 1           |
| GW 49 943                                      | Fixed + add-on RCD        | Lever                      | 4P           | 200           | Horizontal   | 1           |
| <b>SUITABLE FOR: MTX/E 160</b>                 |                           |                            |              |               |              |             |
| 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           |
| <b>SUITABLE FOR: MTX/M 250</b>                 |                           |                            |              |               |              |             |
| 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           |
| <b>SUITABLE FOR: MTX/E/M 320</b>               |                           |                            |              |               |              |             |
| 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           |
| <b>SUITABLE FOR: MTXM 400-MTX/E 630 (400A)</b> |                           |                            |              |               |              |             |
| 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           |
| <b>SUITABLE FOR: MTX/E/M 630 (500/630A)</b>    |                           |                            |              |               |              |             |
| 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           |

To be continue 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 |
|-------------------------------------------|---------------------------|----------------------------|--------------|---------------|--------------|-------------|
| <b>SUITABLE FOR: MTXM 400-MTX/E/M 630</b> |                           |                            |              |               |              |             |
| 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           |
| <b>SUITABLE FOR: MTX/E/M 1000</b>         |                           |                            |              |               |              |             |
| 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           |
| <b>SUITABLE FOR: MTSE/M 1600</b>          |                           |                            |              |               |              |             |
| 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 GW49435/36/37/38/42/43 - Form 2 only.

# 47 CVX 1600 RANGE

MODULAR DISTRIBUTION CABINETS UP TO 3200A

## FRONT PANELS

GW49459



### SOLID FRONT PANELS

| Code               | Dimensions<br>LxH (mm) | Pack<br>Carton |
|--------------------|------------------------|----------------|
| <b>MODULES: 12</b> |                        |                |
| 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              |
| <b>MODULES: 24</b> |                        |                |
| 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              |
| <b>MODULES: 36</b> |                        |                |
| 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).

GW49466



### SOLID FRONT RECESSED PANELS

| Code               | Dimensions<br>LxH (mm) | Pack<br>Carton |
|--------------------|------------------------|----------------|
| <b>MODULES: 24</b> |                        |                |
| GW 49 465          | 600x200                | 1              |
| GW 49 466          | 600x400                | 1              |
| GW 49 467          | 600x600                | 1              |
| <b>MODULES: 36</b> |                        |                |
| 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).

GW49516



### PANELS FOR SQUARE MEASURING INSTRUMENTS

| Code               | Dimensions<br>LxH (mm) | 3-way switch<br>no. x hole Ø | Instruments<br>N. x dimensions | Pack<br>Carton |
|--------------------|------------------------|------------------------------|--------------------------------|----------------|
| <b>MODULES: 24</b> |                        |                              |                                |                |
| 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              |
| <b>MODULES: 36</b> |                        |                              |                                |                |
| 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: installations of ammeters, voltmeters, voltmeter/ammeter three-way switches and distribution boards residual current relay.

GW49468



### AERATION FRONT PANELS

| Code      | Dimensions<br>LxH (mm) | Pack<br>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.

News

Ⓜ=Available while stocks last

①=April 2013

②=June 2013

③=September 2013

### ACCESSORIES

GW49209



#### 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 160/c-250 range).

GW47291



#### 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.

GW49201



#### 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.

# 47 CVX 1600 RANGE

MODULAR DISTRIBUTION CABINETS UP TO 3200A

## INTERNAL CONFIGURATION

### BACK-MOUNTING PLATES



GW49801

#### FLAT BACK-MOUNTING PLATES FOR MOUNTING NON-MODULAR DEVICES

| Code                                                   | Dimensions<br>LxH (mm) | Pack<br>Carton |
|--------------------------------------------------------|------------------------|----------------|
| <b>DISTRIBUTION BOARDS: NON SEPARATED - 12 MODULES</b> |                        |                |
| GW 49 801                                              | 400x200                | 1              |
| <b>DISTRIBUTION BOARDS: NON SEPARATED - 24 MODULES</b> |                        |                |
| GW 49 805                                              | 600x200                | 1              |
| GW 49 806                                              | 600x300                | 1              |
| GW 49 807                                              | 600x400                | 1              |
| GW 49 808                                              | 600x600                | 1              |
| <b>DISTRIBUTION BOARDS: NON SEPARATED - 36 MODULES</b> |                        |                |
| GW 49 812                                              | 850x200                | 1              |
| GW 49 813                                              | 850x300                | 1              |
| GW 49 814                                              | 850x400                | 1              |
| GW 49 815                                              | 850x600                | 1              |
| <b>DISTRIBUTION BOARDS: SEPARATED - 12 MODULES</b>     |                        |                |
| GW 49 819                                              | 400x200                | 1              |
| <b>DISTRIBUTION BOARDS: SEPARATED - 24 MODULES</b>     |                        |                |
| 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              |
| <b>DISTRIBUTION BOARDS: SEPARATED - 36 MODULES</b>     |                        |                |
| 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.



GW49809

#### BACK-MOUNTING INDENTED PLATES FOR MOUNTING NON-MODULAR DEVICES

| Code                                                   | Dimensions<br>LxH (mm) | Pack<br>Carton |
|--------------------------------------------------------|------------------------|----------------|
| <b>DISTRIBUTION BOARDS: NON SEPARATED - 24 MODULES</b> |                        |                |
| GW 49 809                                              | 600x200                | 1              |
| GW 49 810                                              | 600x400                | 1              |
| GW 49 811                                              | 600x600                | 1              |
| <b>DISTRIBUTION BOARDS: NON SEPARATED - 36 MODULES</b> |                        |                |
| 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.



GW49828

#### BACK-MOUNTING FULL HEIGHT PLATES FOR MOUNTING NON-MODULAR DEVICES

| Code               | Dimensions<br>LxH (mm) | Pack<br>Carton |
|--------------------|------------------------|----------------|
| <b>MODULES: 24</b> |                        |                |
| GW 49 828          | 600x1800               | 1              |
| GW 49 829          | 600x2000               | 1              |
| <b>MODULES: 36</b> |                        |                |
| 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.



GW49832

#### PAIR OF SUPPORTS FOR FULL HEIGHT BACK-MOUNTING PLATES

| Code      | For structures<br>(mm) | Pack<br>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

GW49531



## DIVIDER KIT - FORM 3B

| Code                            | Panel dimension<br>LxH (mm) | Pack<br>Carton |
|---------------------------------|-----------------------------|----------------|
| <b>INSTALLATION: HORIZONTAL</b> |                             |                |
| 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              |
| <b>INSTALLATION: VERTICAL</b>   |                             |                |
| 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              |

GW49550



## DIVIDER KIT - FORM 4B

| Code                            | Front dim.<br>LxH (mm) | Pack<br>Carton |
|---------------------------------|------------------------|----------------|
| <b>INSTALLATION: HORIZONTAL</b> |                        |                |
| GW 49 550                       | 400/600x200            | 1              |
| GW 49 551                       | 400/600x300            | 1              |
| GW 49 553                       | 600x500                | 1              |
| GW 49 554                       | 600x600                | 1              |
| <b>INSTALLATION: VERTICAL</b>   |                        |                |
| 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

GW49561



## INTERNAL SEPARATIONS FOR SYSTEMS OF HORIZONTAL BUSBARS IN THE STRUCTURE

| Code      | Description           | Type      | Width<br>(mm) | Pack<br>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              |

GW49567



## INTERNAL SEPARATIONS FOR SYSTEMS OF VERTICAL BUSBARS IN THE STRUCTURE

| Code      | Description         | Type    | For structures<br>(mm) | Height<br>(mm) | Pack<br>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.

GW49574



## INTERNAL SEPARATIONS FOR BUSBAR SYSTEMS IN THE CABLE COMPARTMENT

| Code      | Description           | For<br>busbars     | Suitable<br>for                | Pack<br>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.

# 47 CVX 1600 RANGE

MODULAR DISTRIBUTION CABINETS UP TO 3200A

## COMPLEMENTARY ITEMS

### ACCESSORIES



GW49207

#### 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. Outdoors/indoors | 1           |



GW47691

#### 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         |



GW49163

#### KIT FOR LATERAL AND REAR SIDE-BY-SIDE MOUNTING OF IP65 STRUCTURES

| Code      | Description                           | Pack Carton |
|-----------|---------------------------------------|-------------|
| GW 49 163 | Coupling kit structures H=1800-2000mm | 1           |

ACCESSORIES SUPPLIED: plates and sealing gaskets.



GW49164

#### 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.



GW49133

#### ADDITIONAL BLOCK MOUNT H=100MM PAINTED IN BLUE RAL 5003 COLOUR 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.



GW46448

#### VENTILATION KIT - IP44

| Code      | Description     | Pack Carton |
|-----------|-----------------|-------------|
| GW 46 448 | Ventilation kit | 1/2         |
| GW 46 471 | Aeration kit    | 1/10        |

NOTE: perforation dimensions 125x117mm; centre distance of fixing: 123x115mm.



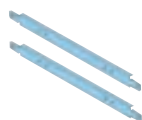
GW47492

#### MISCELLANEOUS ACCESSORIES

| Code      | Description               | Characteristics                        | Pack Carton |
|-----------|---------------------------|----------------------------------------|-------------|
| GW 46 447 | Adhesive document pocket  | dimensions 310x230 mm                  | 1/10        |
| GW 49 167 | N. 2 brackets             | for wall mounting                      | 1           |
| GW 49 168 | N. 2 stiffening brackets  | for raising enclosures                 | 1           |
| GW 49 162 | Insert for security lock  | Key with standardized code (Yale type) | 1           |
| GW 47 492 | N. 2 eyebolts for raising |                                        | 1           |

NOTE: GW49162 is supplied with identical keys.

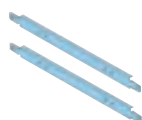
### CROSSPIECES FOR ACCESSORIES



#### PAIR OF CROSSPIECES IN GALVANIZED MATERIAL

| Code                                                  | Assembly position | For structures (mm) | Pack Carton |
|-------------------------------------------------------|-------------------|---------------------|-------------|
| <b>DISTRIBUTION BOARDS: NON SEPARATED</b>             |                   |                     |             |
| 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           |
| <b>DISTRIBUTION BOARDS: SEPARATED</b>                 |                   |                     |             |
| GW 49 735                                             | 1                 | D=600               | 1           |
| GW 49 736                                             | 1                 | D=800               | 1           |
| <b>DISTRIBUTION BOARDS: SEPARATED / NON SEPARATED</b> |                   |                     |             |
| GW 49 731                                             | 1                 | L=600               | 1           |
| GW 49 732                                             | 1                 | L=850               | 1           |

ACCESSORIES SUPPLIED: fixing accessories.



#### PAIR OF CROSSPIECES IN GALVANIZED MATERIAL FOR REINFORCEMENT

| Code                                                  | Assembly position | For structures (mm) | Pack Carton |
|-------------------------------------------------------|-------------------|---------------------|-------------|
| <b>DISTRIBUTION BOARDS: SEPARATED / NON SEPARATED</b> |                   |                     |             |
| GW 49 745                                             | 4                 | D=400               | 1           |
| GW 49 746                                             | 4                 | D=600               | 1           |
| GW 49 747                                             | 4                 | D=800               | 1           |

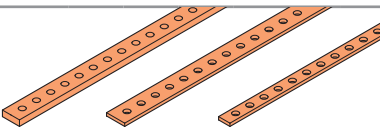
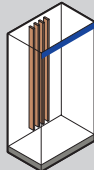
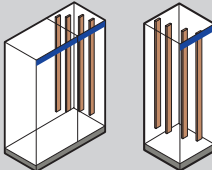
ACCESSORIES SUPPLIED: fixing accessories.

NOTE: mounting crosspieces on the base/head.

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

## 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)<br>depending on<br>IP rating                                         |          | Code                                                                                                                                    | Cross-section<br>LxH (mm) | N. bars<br>per phase | Maximum centre distance between busbar holders (mm)<br>depending on max.lcc (kA)    |      |      |      |      |      |                                                                                     |           |                                                                                     |                               |                               |
| IP 30                                                                             | IP 40/43 |                                                                                                                                         |                           |                      | Type                                                                                | 6kA  | 10kA | 16kA | 20kA | 25kA | 35kA                                                                                | L=600 mm  | L=850 mm                                                                            | Internal cable<br>compartment | External cable<br>compartment |
| 325                                                                               | 250      | <br>GW 45 551<br>(1000 mm)<br>GW 45 555<br>(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      | <br>GW 45 552<br>(1000 mm)<br>GW 45 556<br>(1750 mm)   | 25x6                      | 1                    |    | 700  | 400  | 250  | 150  | -    | -                                                                                   | -         | GW 45 561                                                                           | -                             |                               |
| 530                                                                               | 400      | <br>GW 45 553<br>(1000 mm)<br>GW 45 557<br>(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      | <br>GW 45 554<br>(1000 mm)<br>GW 45 558<br>(1750 mm) | 30x10                     | 1                    |  | 1000 | 1000 | 600  | 600  | 500  | 200                                                                                 | GW 45 563 | GW 45 563                                                                           | -                             | -                             |
|                                                                                   |          |                                                                                                                                         |                           |                      |  | 1000 | 700  | 250  | 100  | 100  | -                                                                                   | -         | -                                                                                   | -                             | GW 45 562                     |

## FLEXIBLE STRAPS

| Capacity (A) depending on IP rating |               |                     |       |                       |       |               | Code<br>(1 code=<br>2 pieces) |  | Dimensions     |      |
|-------------------------------------|---------------|---------------------|-------|-----------------------|-------|---------------|-------------------------------|---------------------------------------------------------------------------------------|----------------|------|
| CVX 630 K<br>boards                 |               | CVX 630 M<br>boards |       | CVX 1600<br>enclosure |       | NxLxH<br>(mm) |                               | Cross-section<br>(mm²)                                                                | Length<br>(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 |

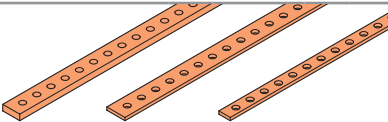
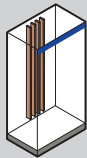
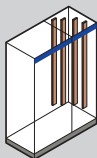
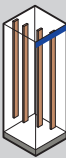
## SHAPED CONTINUOUS PROFILE BUSBAR SYSTEM - CVX 630 M DISTRIBUTION BOARD

| BUSBAR (1 CODE= 1 PIECE)            |       |           |                        |                   |                                                          | BUSBAR HOLDER WITH CROSSPIECE (1 CODE = 2 PIECES) |      |           |              |                            |                            |                                |              |
|-------------------------------------|-------|-----------|------------------------|-------------------|----------------------------------------------------------|---------------------------------------------------|------|-----------|--------------|----------------------------|----------------------------|--------------------------------|--------------|
| 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) |                                                   |      | L= 600 mm |              | Internal cable compartment | External cable compartment | Direct connection to GWFIX 400 |              |
| IP 30                               | IP 55 |           |                        |                   | Type                                                     | 25kA                                              | 35kA | L= 600 mm | L= 850 mm(*) |                            |                            | L= 600 mm                      | L=850 mm (*) |
| 630                                 | 400   | GW 49 651 | 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   | GW 49 652 | 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.

## FLAT BUSBAR SYSTEM - CVX 630 M DISTRIBUTION BOARD

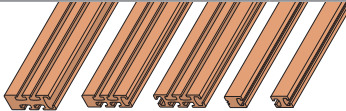
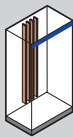
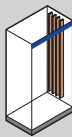
|  |       |                                                                                                                                             |                           |                      |                                                                                     |      |      |      |      |      |      | BUSBAR HOLDER WITH CROSSPIECE (1 CODE = 2 PIECES)                                     |              |                                                                                       |                               |                                                                                       |  |
|-------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------|-------------------------------------------------------------------------------------|------|------|------|------|------|------|---------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|--|
| BUSBAR (1 CODE = 2 PIECES)                                                          |       |                                                                                                                                             |                           |                      | CENTRE DISTANCE                                                                     |      |      |      |      |      |      |  |              |  |                               |  |  |
| Capacity (A)<br>depending on<br>IP rating                                           |       | Code                                                                                                                                        | Cross-section<br>LxH (mm) | N. bars<br>per phase | Maximum centre distance between busbar holders (mm)<br>depending on max.lcc (kA)    |      |      |      |      |      |      |                                                                                       |              |                                                                                       |                               |                                                                                       |  |
| IP 30                                                                               | IP 55 |                                                                                                                                             |                           |                      | Type                                                                                | 6kA  | 10kA | 16kA | 20kA | 25kA | 35kA | L=600 mm                                                                              | L=850 mm (*) | Internal cable<br>compartment                                                         | External cable<br>compartment |                                                                                       |  |
| 325                                                                                 | 250   | <br>GW 45 551<br>(1000 mm)<br><br>GW 45 555<br>(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   | <br>GW 45 552<br>(1000 mm)<br><br>GW 45 556<br>(1750 mm) | 25x6                      | 1                    |  | 700  | 400  | 250  | 150  | -    | -    | -                                                                                     | GW 45 561    | -                                                                                     |                               |                                                                                       |  |
| 530                                                                                 | 400   | <br>GW 45 553<br>(1000 mm)<br><br>GW 45 557<br>(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   | <br>GW 45 554<br>(1000 mm)<br><br>GW 45 558<br>(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.

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

## 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)<br>depending on<br>IP rating                                                                           |       |       | Code      | Cross-section<br>LxH (mm)        | N. bars<br>per phase | Maximum centre distance D (mm)<br>depending on max.lcc (kA)                                                       |           |           |           |           | Min.<br>structure<br>depth<br>(mm)                                                  |                                                                                                  |                  |                  | Non-separated enclosure                                                             |                                                                                                                   |           |           |           |           |
| IP 31                                                                                                               | IP 41 | IP 65 |           |                                  |                      | Code                                                                                                              | 25kA      | 35kA      | 50kA      | 65kA      |                                                                                     | 75kA                                                                                             | (2)<br>L= 400 mm | (2)<br>L= 600 mm | (2)<br>L= 850 mm                                                                    | External<br>cable compartment                                                                                     | D= 600 mm | D= 800 mm |           |           |
| 630                                                                                                                 | 520   | 400   | GW 49 651 | 20x20                            | 1                    | <br>GW 49 658                    | 550       | 425       | -         | -         | -                                                                                   | 400                                                                                              | GW 49 701        | GW 49 702        | GW 49 703                                                                           | <br>GW 49 659 +<br>GW 49 675 (*) | -         | GW 49 706 | GW 49 713 | -         |
|                                                                                                                     |       |       |           |                                  |                      | <br>GW 49 660 +<br>GW 49 675 (*) | 550       | 550       | -         | -         | -                                                                                   | 600                                                                                              | GW 49 701        | GW 49 705        | GW 49 706                                                                           |                                                                                                                   |           |           |           | GW 49 715 |
|                                                                                                                     |       |       |           |                                  |                      | <br>GW 49 656                    | 550       | 425       | -         | -         | -                                                                                   | 400                                                                                              | GW 49 701        | -                | -                                                                                   |                                                                                                                   |           |           |           | GW 49 708 |
|                                                                                                                     |       |       |           |                                  |                      | <br>GW 49 657 +<br>GW 49 675 (*) | 550       | 550       | -         | -         | -                                                                                   | 800                                                                                              | GW 49 704        | -                | -                                                                                   | GW 49 708                                                                                                         | GW 49 715 |           |           |           |
|                                                                                                                     |       |       |           |                                  |                      |                                                                                                                   |           |           |           |           |                                                                                     | <br>GW 49 658 | 550              | 425              | -                                                                                   | -                                                                                                                 | -         | 400       | GW 49 701 | GW 49 702 |
| <br>GW 49 660 +<br>GW 49 675 (*) | 550   | 550   | -         | -                                | -                    | 600                                                                                                               | GW 49 701 | GW 49 705 | GW 49 706 | GW 49 715 |                                                                                     |                                                                                                  |                  |                  |                                                                                     |                                                                                                                   |           |           |           |           |
| <br>GW 49 656                    | 550   | 425   | -         | -                                | -                    | 400                                                                                                               | GW 49 701 | -         | -         | GW 49 708 | GW 49 715                                                                           |                                                                                                  |                  |                  |                                                                                     |                                                                                                                   |           |           |           |           |
| <br>GW 49 657 +<br>GW 49 675 (*) | 550   | 550   | -         | -                                | -                    | 800                                                                                                               | GW 49 704 | -         | -         | GW 49 708 | GW 49 715                                                                           |                                                                                                  |                  |                  |                                                                                     |                                                                                                                   |           |           |           |           |
| 1400                                                                                                                | 1330  | 1250  | GW 49 653 | 20x60                            | 1                    | <br>GW 49 659                  | 550       | 550       | 425       | 275       | 225                                                                                 | 600                                                                                              | GW 49 704        | GW 49 705        | GW 49 706                                                                           | -                                                                                                                 | -         | GW 49 713 | GW 49 715 |           |
|                                                                                                                     |       |       |           |                                  |                      | <br>GW 49 660                  | 550       | 425       | 350       | 225       | -                                                                                   | 600                                                                                              |                  |                  |                                                                                     |                                                                                                                   | GW 49 715 |           |           |           |
|                                                                                                                     |       |       |           |                                  |                      | <br>GW 49 657                  | 550       | 550       | 425       | 275       | 250                                                                                 | 800                                                                                              |                  |                  |                                                                                     |                                                                                                                   | GW 49 708 |           |           | GW 49 715 |
| 1820                                                                                                                | 1710  | 1600  | GW 49 654 | 20x60                            | 1                    | <br>GW 49 659                  | 550       | 550       | 425       | 275       | 200                                                                                 | 600                                                                                              | GW 49 704        | GW 49 705        | GW 49 706                                                                           | -                                                                                                                 | -         | GW 49 713 | GW 49 715 |           |
|                                                                                                                     |       |       |           |                                  |                      | <br>GW 49 660                  | 550       | 550       | 350       | 225       | -                                                                                   | 600                                                                                              |                  |                  |                                                                                     |                                                                                                                   | GW 49 715 |           |           |           |
|                                                                                                                     |       |       |           |                                  |                      | <br>GW 49 657                  | 550       | 550       | 425       | 275       | 250                                                                                 | 800                                                                                              |                  |                  |                                                                                     |                                                                                                                   | GW 49 708 |           |           | GW 49 715 |

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.

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS



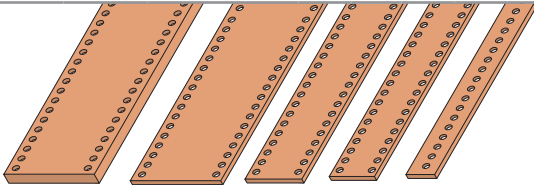
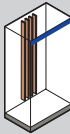
## FIXING CROSSPIECES (1 CODE = 2 PIECES)

| 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 49 714           | GW 49 716 | -                             | GW 49 711     | GW 49 712 | GW 49 711 | GW 49 720 | GW 49 721  | GW 49 722 | GW 49 723 |   | GW 49 724  | GW 49 725 | -                              | -         |
| -                   | -         | GW 49 710                     | -             | -         | -         | -         | -          | -         | -         | - | -          | -         | -                              | -         |
| GW 49 716           | -         | -                             | GW 49 711 (1) | GW 49 712 | -         | -         | -          | -         | -         | - | -          | -         | -                              | -         |
| -                   | -         | -                             | -             | -         | -         | -         | -          | -         | -         | - | -          | -         | -                              | -         |
| GW 49 714           | GW 49 716 | -                             | GW 49 711     | GW 49 712 | GW 49 711 | GW 49 720 | GW 49 721  | GW 49 722 | GW 49 723 |   | GW 49 724  | GW 49 725 | -                              | -         |
| -                   | -         | GW 49 710                     | -             | -         | -         | -         | -          | -         | -         | - | -          | -         | -                              | -         |
| GW 49 716           | -         | -                             | GW 49 711 (1) | GW 49 712 | -         | -         | -          | -         | -         | - | -          | -         | -                              | -         |
| -                   | -         | -                             | -             | -         | -         | -         | -          | -         | -         | - | -          | -         | -                              | -         |
| GW 49 714           | GW 49 716 | -                             | GW 49 711     | GW 49 712 | GW 49 711 | GW 49 720 | GW 49 721  | GW 49 722 | GW 49 723 |   | GW 49 724  | GW 49 725 | -                              | -         |
| -                   | -         | -                             | GW 49 711 (1) | -         | -         | -         | -          | -         | -         | - | -          | -         | -                              | -         |
| GW 49 714           | GW 49 716 | -                             | GW 49 711     | GW 49 712 | GW 49 711 | GW 49 720 | GW 49 721  | GW 49 722 | GW 49 723 |   | GW 49 724  | GW 49 725 | -                              | -         |
| -                   | -         | -                             | GW 49 711 (1) | -         | -         | -         | -          | -         | -         | - | -          | -         | -                              | -         |

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

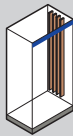
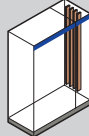
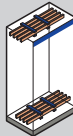
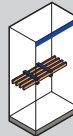
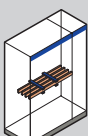
## FLAT BUSBAR SYSTEM - CVX 1600 DISTRIBUTION CABINETS

|                                                                                   |       |       |                                                                                                  |             |                      |                                                                                                  |      |      |     |      |      |     |     |     |                                                                                     |           |                                    |                  |
|-----------------------------------------------------------------------------------|-------|-------|--------------------------------------------------------------------------------------------------|-------------|----------------------|--------------------------------------------------------------------------------------------------|------|------|-----|------|------|-----|-----|-----|-------------------------------------------------------------------------------------|-----------|------------------------------------|------------------|
|  |       |       |                                                                                                  |             |                      |                                                                                                  |      |      |     |      |      |     |     |     |  |           |                                    |                  |
| BUSBAR (1 CODE = 2 PIECES)                                                        |       |       |                                                                                                  |             |                      | BUSBAR HOLDER (1 CODE = 2 PIECES)                                                                |      |      |     |      |      |     |     |     |                                                                                     |           |                                    |                  |
| Capacity (A)<br>depending on<br>IP rating                                         |       |       | Code                                                                                             | LxH<br>(mm) | N. bars<br>per phase | Maximum centre distance D (mm) depending on max.Icc (kA)                                         |      |      |     |      |      |     |     |     |                                                                                     |           | Min.<br>structure<br>depth<br>(mm) | (2)<br>L= 600 mm |
| IP 31                                                                             | IP 41 | IP 65 |                                                                                                  |             |                      | Code                                                                                             | 6    | 10   | 16  | 25   | 35   | 50  | 75  | 100 |                                                                                     |           |                                    |                  |
| 530                                                                               | 490   | 400   | <br>GW 47 637   | 32x5        | 1                    | <br>GW 49 670  | 1000 | 1000 | 700 | 300  | 225  | -   | -   | -   | 600                                                                                 | GW 49 731 | GW 49 732                          |                  |
| 772                                                                               | 695   | 630   | <br>GW 49 677   | 50x5        | 1                    |                                                                                                  | 1000 | 1000 | 700 | 375  | 275  | 225 | -   | -   | 600                                                                                 | GW 49 731 | GW 49 732                          |                  |
| 951                                                                               | 863   | 800   | <br>GW 49 678 | 63x5        | 1                    |                                                                                                  | -    | 1000 | 700 | 425  | 300  | 225 | -   | -   | 600                                                                                 | GW 49 731 | GW 49 732                          |                  |
| 1431                                                                              | 1347  | 1250  | <br>GW 49 679 | 100x5       | 1                    |                                                                                                  | -    | -    | 700 | 500  | 375  | 250 | -   | -   | 600                                                                                 | GW 49 731 | GW 49 732                          |                  |
| 1836                                                                              | 1710  | 1600  | <br>GW 49 680 | 100x10      | 1                    | <br>GW 49 671 | -    | -    | -   | 1000 | 1000 | 600 | 375 | 225 | 600                                                                                 | GW 49 731 | GW 49 732                          |                  |
| 3056                                                                              | 2700  | 2500  |                                                                                                  | 100x10      | 2                    | <br>GW 49 672 | -    | -    | -   | 1000 | 1000 | 900 | 400 | 225 | 800                                                                                 | GW 49 731 | GW 49 732                          |                  |
| 4018                                                                              | 3600  | 3200  |                                                                                                  | 100x10      | 3                    | <br>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

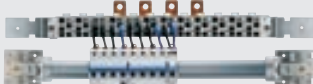
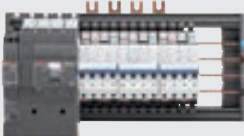
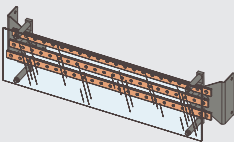
## FIXING CROSSPIECES (1 CODE = 2 PIECES)

|  |  |           |                     |           |  |           |  |           |  |           |                     |           |  |           |
|--|-----------------------------------------------------------------------------------|-----------|---------------------|-----------|-----------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----------|---------------------|-----------|-------------------------------------------------------------------------------------|-----------|
|  | 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 RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

## COMPATIBILITY OF GWFIX SYSTEMS AND TERMINAL BLOCKS WITH 47 CVX RANGE DISTRIBUTION BOARDS

|                                                                                                                                   | <br>CVX 160 I<br>Flush-mounting distribution boards | <br>CVX 160 E<br>Wall-mounting distribution boards | <br>CVX 630 K<br>Wall- and floor-mounting distribution boards | <br>CVX 630 M<br>Wall- and floor-mounting distribution boards | <br>CVX 1600<br>Floor-mounting distribution cabinets |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>QUICK DIVIDER GWFIX DISTRIBUTION SYSTEM</b>                                                                                    |                                                                                                                                      |                                                                                                                                     |                                                                                                                                                 |                                                                                                                                                  |                                                                                                                                         |
| <br>GWFIX 100                                    | *                                                                                                                                    | *                                                                                                                                   | *                                                                                                                                               | *                                                                                                                                                | *                                                                                                                                       |
| <br>GWFIX 250                                   |                                                                                                                                      | *                                                                                                                                   | *                                                                                                                                               | *                                                                                                                                                | *                                                                                                                                       |
| <br>GWFIX 400                                  |                                                                                                                                      |                                                                                                                                     |                                                                                                                                                 | *                                                                                                                                                | *                                                                                                                                       |
| <b>DISTRIBUTION TERMINAL BLOCKS</b>                                                                                               |                                                                                                                                      |                                                                                                                                     |                                                                                                                                                 |                                                                                                                                                  |                                                                                                                                         |
| <br>Modular 1P/2P/3P/4P<br>100A 125A 160A 250A | *                                                                                                                                    | *                                                                                                                                   | *                                                                                                                                               | *                                                                                                                                                | *                                                                                                                                       |
| <br>4P on functional frame or plate            |                                                                                                                                      |                                                                                                                                     | *                                                                                                                                               | *                                                                                                                                                | *                                                                                                                                       |

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

**GEWISS**

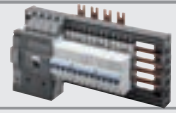
## GWFIX 100 - QUICK DIVIDER 100A FOR MODULAR DEVICES

|                                                                                                   |                  |                                                                                     |
|---------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|
|                                                                                                   |                  |  |
| Rated operational voltage (Ue)                                                                    | (V)              | 400 AC                                                                              |
| Rated insulation voltage (Ui)                                                                     | (V)              | 500 AC                                                                              |
| Rated impulse voltage (Uimp)                                                                      | (kV)             | 6 - 1.2/50 µs                                                                       |
| Rated frequency                                                                                   | (Hz)             | 50 / 60                                                                             |
| Rated current (In) on central power supply                                                        | (A)              | 100                                                                                 |
| Rated current (In) on lateral power supply                                                        | (A)              | 80                                                                                  |
| Maximum installable switch size                                                                   | (A)              | 100                                                                                 |
| Conditioned short-circuit current (Icc) with MTC 45 - MDC 45 miniature circuit breaker            | (kA)             | 4.5 - 400V                                                                          |
| Conditioned short-circuit current (Icc) with MT 60 MTC 60 - MDC 60 miniature circuit breaker      | (kA)             | 6 - 400V                                                                            |
| Conditioned short-circuit current (Icc) with MT 100 - MTC 100 - MDC 100 miniature circuit breaker | (kA)             | 10 - 400V                                                                           |
| Conditioned short-circuit current (Icc) with MT 250 miniature circuit breaker                     | (kA)             | 25 - 400V                                                                           |
| Degree of protection                                                                              |                  | IP 20                                                                               |
| Characteristics of the insulation material                                                        |                  | extinguishing thermoplastic V1 (UL94)                                               |
| Characteristics of the conductor material                                                         |                  | electrolytic copper                                                                 |
| Width                                                                                             | (No. modules/mm) | 12 / 400<br>18<br>24 / 600<br>36/850                                                |

## GWFIX 250 - QUICK DIVIDER 250A FOR MODULAR DEVICES

|                                                    |                  |                                                                                      |
|----------------------------------------------------|------------------|--------------------------------------------------------------------------------------|
|                                                    |                  |  |
| Rated operational voltage (Ue)                     | (V)              | 500 AC                                                                               |
| Rated insulation voltage (Ui)                      | (V)              | 500 AC                                                                               |
| Rated impulse voltage (Uimp)                       | (kV)             | 6 - 1.2/50 µs                                                                        |
| Rated frequency                                    | (Hz)             | 50 / 60                                                                              |
| Rated current (In) on central power supply         | (A)              | 250                                                                                  |
| Rated short-time withstand current (Icw)           | (kA)             | 10 (1s)                                                                              |
| Peak rated current (Ipk)                           | (kA)             | 61                                                                                   |
| Maximum derived current                            | (A)              | 63                                                                                   |
| Conditioned short-circuit current (Icc)            | (kA)             | 4.5 - 25 - 400 V                                                                     |
| Degree of protection                               |                  | IP20                                                                                 |
| Characteristics of the insulation material         |                  | extinguishing thermoplastic V1 (UL94)                                                |
| Characteristics of the conductor material          |                  | electrolytic copper                                                                  |
| Width                                              | (No. modules/mm) | 24 / 36                                                                              |
| Suitable for installation with panels with windows |                  | pitch 200mm                                                                          |
| Insertion of connector type                        |                  | quick, with mechanical coupling                                                      |
| Connector disconnection                            |                  | using a tool                                                                         |

## GWFIX 400 - QUICK DIVIDER 400A FOR MODULAR AND MOULDED-CASE DEVICES

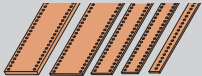
|                                            |                  |                                                                                            |
|--------------------------------------------|------------------|--------------------------------------------------------------------------------------------|
|                                            |                  |       |
| Rated operational voltage (Ue)             | (V)              | 690 AC                                                                                     |
| Rated insulation voltage (Ui)              | (V)              | 1000 AC                                                                                    |
| Rated impulse voltage (Uimp)               | (kV)             | 8 - 1.2/50 µs                                                                              |
| Rated frequency                            | (Hz)             | 50 / 60                                                                                    |
| Rated current (In) on central power supply | (A)              | 400                                                                                        |
| Rated current (In) on lateral power supply | (A)              | 320                                                                                        |
| Rated short-time withstand current (Icw)   | (kA)             | 25                                                                                         |
| Maximum peak current (Ipk)                 | (kA)             | 52.5 - 400V                                                                                |
| Maximum derived current                    | (A)              | 250                                                                                        |
| Conditioned short-circuit current (Icc)    | (kA)             | MTX 160c: 36 kA - 400V<br>MTX 160: 50 kA - 400V<br>MTX 250: 50 kA - 400V                   |
| Degree of protection                       |                  | IP20                                                                                       |
| Characteristics of the insulation material |                  | extinguishing thermoplastic V1 (UL94)                                                      |
| Characteristics of the conductor material  |                  | electrolytic copper                                                                        |
| Section of the conductor material          |                  | 25 x 5mm                                                                                   |
| Width                                      | (No. modules/mm) | 24 / 36                                                                                    |
| Installable devices                        |                  | 90 range - MTX 160c, MTX 160, MTX 250 ranges,<br>also with add-on residual current devices |

47 BUSBAR  
RANGE

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

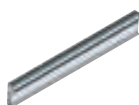
## BUSBAR DISTRIBUTION SYSTEM

| SHAPED/FLAT BUSBARS                      |      |                                                                                   |                                                                                    |                                                                                     |
|------------------------------------------|------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                          |      |  |  |  |
|                                          |      | SHAPED                                                                            | FLAT                                                                               | FLEXIBLE                                                                            |
| Rated operational voltage (Ue)           | (V)  | 690 AC                                                                            | 690 AC                                                                             | 690 AC                                                                              |
| Rated insulation voltage (Ui)            | (V)  | 1000 AC                                                                           | 1000 AC                                                                            | 1000 AC                                                                             |
| Rated impulse voltage (Uimp)             | (kV) | 8 - 1.2/50 µs                                                                     | 8 - 1.2/50 µs                                                                      | 8 - 1.2/50 µs                                                                       |
| Rated frequency                          | (Hz) | 50 / 60                                                                           | 50 / 60                                                                            | 50 / 60                                                                             |
| Rated current (In)                       | (A)  | 400, 800, 1250, 1600                                                              | 250, 400, 630, 800, 1250, 1600, 2500, 3200                                         | 160, 250, 400, 630, 1000, 1250                                                      |
| Rated short-time withstand current (Icw) | (kA) | up to 75 (1s/400V AC)                                                             | up to 100 (1s/400V AC)                                                             |                                                                                     |
| Conditioned short-circuit current (Icc)  | (kA) | up to 75                                                                          | up to 100 (1s/400V AC)                                                             |                                                                                     |
| Busbar material                          |      | electrolytic copper 99.9% Cu-ETP                                                  | electrolytic copper 99.9% Cu-ETP                                                   | electrolytic copper 99.9% Cu-ETP                                                    |
| Insulating material                      |      | extinguishing polyamide V0 (UL94)                                                 | extinguishing polyamide V0 (UL94)                                                  | extinguishing polyamide V0 (UL94)                                                   |
| Tightening torque                        |      | screws M8= 20Nm<br>screws M10= 30Nm                                               | 4 Nm                                                                               | screws M6= 13Nm<br>screws M12= 110Nm                                                |
| Operating climate                        |      | constant: 25°C/83% - 40°C/93%<br>variable: 25°C/98% - 40°C/98%                    | constant: 25°C/83% - 40°C/93%<br>variable: 25°C/98% - 40°C/98%                     |                                                                                     |
| Operating temperature                    |      | -5°C - 40°C                                                                       | -5°C - 40°C                                                                        | -45°C - 150°C                                                                       |
| Storage temperature                      |      | -25°C - 55°C                                                                      | -25°C - 55°C                                                                       |                                                                                     |

## GWFIX QUICK DIVIDER SYSTEMS

### GWFIX 100 - QUICK DIVIDER 100A FOR MODULAR DEVICES

GW49762



#### GWFIX 100 - BAR FRAMES 100A FOR QUICK COUPLING CONNECTIONS FOR THE POWER SUPPLIES OF MODULAR DEVICES

| Code                                  | No. of modules<br>EN 50022 | Pack<br>Carton |
|---------------------------------------|----------------------------|----------------|
| <b>BUSBARS: 100 A 2P (L1/NEUTRAL)</b> |                            |                |
| GW 49 762                             | 12                         | 1/6            |
| GW 49 763                             | 18                         | 1/6            |
| GW 49 764                             | 24                         | 1/6            |
| <b>BUSBARS: 100 A 4P</b>              |                            |                |
| 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.

GW49776



#### GWFIX 100 - QUICK COUPLING CONNECTIONS DEVICES

| Code                       | Description       | Type             | Colour | Suitable for  | Pack<br>Carton |
|----------------------------|-------------------|------------------|--------|---------------|----------------|
| <b>RATED CURRENT: 40 A</b> |                   |                  |        |               |                |
| 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            |
| <b>RATED CURRENT: 63 A</b> |                   |                  |        |               |                |
| GW 49 780                  | N. 10 connections | L1               | Brown  | MDC MT SD SE  | 1/6            |
| GW 49 781                  | N. 10 connections | L2               | Grey   | MDC MT SD SE  | 1/6            |
| GW 49 782                  | N. 10 connections | L3               | Black  | MDC MT SD SE  | 1/6            |
| GW 49 783                  | N. 10 connections | Neutral          | Blue   | MDC MT SD SE  | 1/6            |

NOTE: GW49779 connection also suitable for MTC 3P, thanks to the pre-breaking of the neutral.

SE= switch-disconnector.

GW49775



#### GWFIX 100 - QUICK COUPLING CONNECTIONS WITH CABLE FOR MODULAR DEVICES

| Code                       | Description           | Type             | Suitable for           | Modules | Pack<br>Carton |
|----------------------------|-----------------------|------------------|------------------------|---------|----------------|
| <b>RATED CURRENT: 16 A</b> |                       |                  |                        |         |                |
| 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            |
| <b>RATED CURRENT: 40 A</b> |                       |                  |                        |         |                |
| GW 49 773                  | Connection with cable | L1/Neutral       | 90 AM Range MTHP SD 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 SD SE | 2       | 1/6            |

NOTE: SE= switch-disconnector.

GW49789



#### GWFIX 100 - POWER SUPPLY UNITS FOR BUSBAR FRAMES 100A

| Code      | Description                    | Type    | Modules | Pack<br>Carton |
|-----------|--------------------------------|---------|---------|----------------|
| GW 49 784 | L=350 mm                       |         | 2       | 1/6            |
| GW 49 788 | L=400 mm                       |         | 2       | 1/6            |
| GW 49 789 | L=600 mm                       |         | 2       | 1/6            |
| GW 49 792 | 10 clamps (35mm <sup>2</sup> ) | L1      | 1       | 1/6            |
| GW 49 793 | 10 clamps (35mm <sup>2</sup> ) | L2      | 1       | 1/6            |
| GW 49 794 | 10 clamps (35mm <sup>2</sup> ) | L3      | 1       | 1/6            |
| GW 49 795 | 10 clamps (35mm <sup>2</sup> ) | Neutral | 1       | 1/6            |

GW49784: 4P power supply unit with cable for connecting the main switch to the busbar frame GWFIX 100

GW49788 and GW49789: 4P power supply units with cable for connecting the two busbar frames GWFIX 100

from GW49792 to GW49795: 1P power supply units without cable for connections with L > 600mm, or for modular devices with In > 63A

GW49797



#### GWFIX 100 - ACCESSORIES

| Code      | Description               | Pack<br>Carton |
|-----------|---------------------------|----------------|
| GW 49 797 | N. 10 bar cover - 24 mod. | 1              |
| GW 49 798 | N. 2 bar cover - 36 mod.  | 1/6            |

47 BUSBAR  
RANGE

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

## GWFIX 250 - QUICK DIVIDER 250 A FOR MODULAR DEVICES

GW47201



### 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 6mm<sup>2</sup>, 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.

GW47215



### GWFIX 250 - QUICK COUPLING TERMINAL FOR FLEXIBLE CABLE

| Code      | Suitable for                     | Pack Carton |
|-----------|----------------------------------|-------------|
| GW 47 215 | cables 1,5 - 2,5 mm <sup>2</sup> | 10/100      |
| GW 47 220 | cables 4 - 6 mm <sup>2</sup>     | 10/100      |



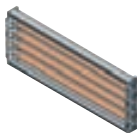
### GWFIX 250 - H 07 VK TYPE CONDUCTORS WITH QUICK COUPLING TERMINAL

| Code                       | Section (mm <sup>2</sup> ) | Colour | Length (mm) | Pack Carton |
|----------------------------|----------------------------|--------|-------------|-------------|
| <b>RATED CURRENT: 40 A</b> |                            |        |             |             |
| 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      |
| <b>RATED CURRENT: 63 A</b> |                            |        |             |             |
| 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.

### GWFIX 400 - QUICK DIVIDER FOR MODULAR AND MOULDED CASE DEVICES

GW49601



#### 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.

GW49603



#### 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.

GW49611



#### GWFIX 400 - BASE MODULES FOR MODULAR AND MOULD-CASE DEVICES

| Code                          | Description           | Suitable for               | Pack Carton |
|-------------------------------|-----------------------|----------------------------|-------------|
| <b>RATED CURRENT (A): 16</b>  |                       |                            |             |
| GW 49 604                     | L1-N high with cable  | 90 AM Range                | 1/12        |
| GW 49 605                     | L1-L2 high with cable | 90 AM Range                | 1/12        |
| <b>RATED CURRENT (A): 40</b>  |                       |                            |             |
| GW 49 612                     | L1-N high with cable  | MTC (1P+N/2P)              | 1/12        |
| GW 49 613                     | L2-N high with cable  | MTC (1P+N/2P)              | 1/12        |
| GW 49 614                     | L3-N high with cable  | MTC (1P+N/2P)              | 1/12        |
| GW 49 751                     | L1 high with cable    | MT - MDC - SE - 90AM range | 1/12        |
| GW 49 752                     | L2 high with cable    | MT - MDC - SE - 90AM range | 1/12        |
| GW 49 753                     | L3 high with cable    | MT - MDC - SE - 90AM range | 1/12        |
| GW 49 754                     | N high with cable     | MT - MDC - SE - 90AM range | 1/12        |
| <b>RATED CURRENT (A): 100</b> |                       |                            |             |
| 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        |
| <b>RATED CURRENT (A): 160</b> |                       |                            |             |
| 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        |
| <b>RATED CURRENT (A): 250</b> |                       |                            |             |
| 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= switch-disconnector.

GW45381



#### GWFIX 400 - FRONT PANELS IN PAINTED SHEET WITH DIN PERFORATION

| Code               | Dimensions LxH (mm) | For distribution boards | Pack Carton |
|--------------------|---------------------|-------------------------|-------------|
| <b>MODULES: 24</b> |                     |                         |             |
| GW 45 381          | 600x300             | CVX 630 M               | 1           |
| GW 49 503          | 600x300             | CVX 1600                | 1           |
| <b>MODULES: 36</b> |                     |                         |             |
| GW 45 382          | 850x300             | CVX 630 M               | 1           |
| GW 49 507          | 850x300             | CVX 1600                | 1           |

ACCESSORIES SUPPLIED: mounting accessories.

# 47 BUSBAR RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

GW49643



## GWFIX 400 - ACCESSORIES

| Code      | Description                                    | Modules | Pack<br>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.

GW49650



## GWFIX 400 - PAIR OF FIXING SUPPORTS FOR FOUR-POLE 24 AND 36 MODULE FRAMES

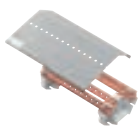
| Code      | For<br>distribution boards | Pack<br>Carton |
|-----------|----------------------------|----------------|
| GW 45 539 | CVX 630 M                  | 1              |
| GW 49 650 | CVX 1600                   | 1              |

ACCESSORIES SUPPLIED: fixing accessories.

## DISTRIBUTION TERMINAL BLOCKS

## HORIZONTAL DIVIDER

GW44700



## HORIZONTAL FOUR-POLE DIVIDER 250 A WITH PRE-DRILLED THREADED M6 BUSBARS

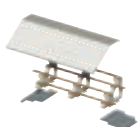
| Code                                               | Dimensions (mm) | No. of modules EN 50022 | Installation          | Input connecting capacity | Output connecting capacity | Icw (1s) | Pack Carton |
|----------------------------------------------------|-----------------|-------------------------|-----------------------|---------------------------|----------------------------|----------|-------------|
| <b>FOR DISTRIBUTION BOARDS: CVX 630K/630M/1600</b> |                 |                         |                       |                           |                            |          |             |
| GW 44 700                                          | 285x190x70      | 16                      | On profile EN 50022   | 1xM12                     | 10xM6                      | 17 kA    | 1           |
| <b>FOR DISTRIBUTION BOARDS: CVX 1600</b>           |                 |                         |                       |                           |                            |          |             |
| 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           |
| <b>FOR DISTRIBUTION BOARDS: CVX 630K/630M</b>      |                 |                         |                       |                           |                            |          |             |
| 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.

GW45542



## 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 |
|-----------------------------------------------|-----------------|-------------------------|-----------------------|---------------------------|----------------------------|----------|-------------|
| <b>FOR DISTRIBUTION BOARDS: CVX 630K/630M</b> |                 |                         |                       |                           |                            |          |             |
| 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

GW44651



## 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 |
|-------------------------------|-----------------------|-------------------------|---------------------------|----------------------------|----------|-------------|
| <b>RATED CURRENT (A): 160</b> |                       |                         |                           |                            |          |             |
| GW 44 651                     | 35x92x49              | 2                       | 1x(10-70) mm <sup>2</sup> | 6x(2,5-16) mm <sup>2</sup> | 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.

GW44652



## RIGID JUMPER KIT AND CAP FOR ONE-POLE TERMINAL BLOCK GW44651

| Code      | Description | Pack Carton |
|-----------|-------------|-------------|
| GW 44 652 | Jumper kit  | 1/25        |

GW44691

2-POLE MODULAR DISTRIBUTION TERMINAL BLOCKS WITH TRANSPARENT PROTECTION CAP  
FIXING ON PLATE OR DIN RAIL - 750V - T 85°C

| Code                          | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Input connecting capacity | Output connecting capacity                          | Icw (1s) | Pack Carton |
|-------------------------------|-----------------------|-------------------------|---------------------------|-----------------------------------------------------|----------|-------------|
| <b>RATED CURRENT (A): 100</b> |                       |                         |                           |                                                     |          |             |
| GW 44 691                     | 70x49x50              | 4                       | 1x(6-35) mm <sup>2</sup>  | [1x(4-25) + 5x(1.5-10)] mm <sup>2</sup>             | 6 kA     | 2/36        |
| <b>RATED CURRENT (A): 125</b> |                       |                         |                           |                                                     |          |             |
| GW 44 693                     | 141x49x50             | 8                       | 1x(6-35) mm <sup>2</sup>  | [2x(4-25) + 2x(4-16) + 10x(1.5-10)] mm <sup>2</sup> | 6 kA     | 1/12        |

**CHARACTERISTICS:** the indicated connection capacity is "per pole" and refers to the fitting of cables with "test prods".

GW44696



## 4-POLE MODULAR DISTRIBUTION TERMINAL BLOCKS WITH TRANSPARENT PROTECTION CAP - FIXING ON PLATE OR DIN RAIL - 750V - T 85°C

| Code                          | Outer dim. LxHxD (mm) | No. of modules EN 50022 | Input connecting capacity | Output connecting capacity                          | Icw (1s) | Pack Carton |
|-------------------------------|-----------------------|-------------------------|---------------------------|-----------------------------------------------------|----------|-------------|
| <b>RATED CURRENT (A): 100</b> |                       |                         |                           |                                                     |          |             |
| GW 44 696                     | 70x88.5x50            | 4                       | 1x(6-35) mm <sup>2</sup>  | [1x(4-25) + 5x(1.5-10)] mm <sup>2</sup>             | 6 kA     | 2/16        |
| <b>RATED CURRENT (A): 125</b> |                       |                         |                           |                                                     |          |             |
| GW 44 698                     | 141x88.5x50           | 8                       | 1x(6-35) mm <sup>2</sup>  | [2x(4-25) + 2x(4-16) + 10x(1.5-10)] mm <sup>2</sup> | 6 kA     | 1/9         |
| <b>RATED CURRENT (A): 160</b> |                       |                         |                           |                                                     |          |             |
| GW 44 699                     | 185x75x135            | 10                      | 1x(16-50) mm <sup>2</sup> | [2x(10-35) + 2x(6-25) + 8x(4-16)] mm <sup>2</sup>   | 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 RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

## SHAPED, CONTINUOUS PROFILE BUSBAR DISTRIBUTION SYSTEMS

### SHAPED BUSBAR

GW49651

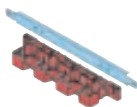


#### ELECTROLYTIC COPPER SHAPED BUSBARS

| 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

GW45577



#### 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           |

GW45576



#### 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 out compartment  | CVX 630 M               | 1           |

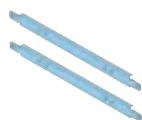
GW49656



#### LINEAR AND GRADUATED BUSBAR-HOLDERS 800 - 1600 A FOR SYSTEMS WITH SHAPED PROFILE BUSBARS FOR CVX 1600 DISTRIBUTION BOARDS

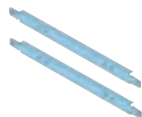
| Code                             | Rated current | Max Icw (kA) | Quantity | Section busbars (mm) | For distribution boards | Pack Carton |
|----------------------------------|---------------|--------------|----------|----------------------|-------------------------|-------------|
| <b>FOR BUSBAR HOLDER: SCALAR</b> |               |              |          |                      |                         |             |
| GW 49 656                        | 800 A         | 35           | 1        | 20x20                | CVX 1600                | 1           |
| GW 49 657                        | 1600 A        | 75           | 1        | 60x20                | CVX 1600                | 1           |
| <b>FOR BUSBAR HOLDER: LINEAR</b> |               |              |          |                      |                         |             |
| 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



### PAIR OF SUPPORT CROSSPIECES FOR SHAPED VERTICAL BUSBARS SYSTEMS

| Code                                                               | Assembly position | For structures (mm) | For busbar holder           | Pack Carton |
|--------------------------------------------------------------------|-------------------|---------------------|-----------------------------|-------------|
| <b>BUSBARS: STRUCTURE BOTTOM</b>                                   |                   |                     |                             |             |
| 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           |
| <b>BUSBARS: EXTERNAL COMPARTMENT BOTTOM</b>                        |                   |                     |                             |             |
| GW 49 708                                                          | 1                 | L=300               | GW49656 - GW49657           | 1           |
| <b>BUSBARS: INT./EXT. COMPARTMENT SIDE</b>                         |                   |                     |                             |             |
| 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           |
| <b>BUSBARS: STRUCTURE SIDE</b>                                     |                   |                     |                             |             |
| 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           |
| <b>BUSBARS: STRUCTURE BOTTOM WITH DIRECT CONNECTION TO GWFIX40</b> |                   |                     |                             |             |
| 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 |
|-------------------------------------------------------------|-------------------|---------------------|-------------------|-------------|
| <b>BUSBARS: HIGH/LOW STRUCTURE OR INT./EXT. COMPARTMENT</b> |                   |                     |                   |             |
| GW 49 711                                                   | 2                 | D=600               | GW49660           | 1           |
| GW 49 720                                                   | 3                 | D=800               | GW49659 - GW49660 | 1           |
| <b>BUSBARS: HORIZONTAL TO EVERY HEIGHT STRUCTURE</b>        |                   |                     |                   |             |
| 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 RANGE

DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

## ACCESSORIES FOR SHAPED BUSBARS

GW49666



### 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.

GW49647



### 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.

GW49674



### SUPPORT BASES FOR SHAPED BUSBARS

| Code      | Description        | For busbars | Pack Carton |
|-----------|--------------------|-------------|-------------|
| GW 49 673 | N. 4 support bases | 400/800A    | 1           |
| GW 49 674 | N. 4 support bases | 1250/1600A  | 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.

GW49675



### SHAPED BUSBARS ADAPTOR

| Code      | Description   | For busbars | For busbar holder           | Pack Carton |
|-----------|---------------|-------------|-----------------------------|-------------|
| GW 49 675 | N. 4 adaptors | 400/800A    | 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 BUS-BAR



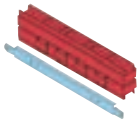
#### 2 FLAT BUSBARS IN PRE-DRILLED ELECTROLYTIC COPPER

| Code      | Rated current | Section (mm <sup>2</sup> ) | 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

GW45563



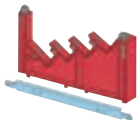
#### PAIR OF LINEAR BUSBAR-HOLDERS 250 - 630A

COMPLETE WITH CROSSPIECES FOR SYSTEM WITH VERTICAL, FLAT BUSBAR FOR CVX 630 K DISTRIBUTION BOARDS

| Code      | Rated current     | Section busbars (mm) | Max I <sub>cw</sub> (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.

GW45562



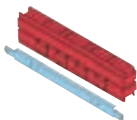
#### PAIR OF GRADUATED BUSBAR-HOLDERS 250 - 630A

COMPLETE WITH CROSSPIECES FOR SYSTEM WITH VERTICAL, FLAT BUSBARS FOR CVX 630K AND CVX 630M DISTRIBUTION BOARDS

| Code      | Rated current     | Section busbars (mm) | Max I <sub>cw</sub> (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 out compartment  | CVX 630K/M              | 1           |

ACCESSORIES SUPPLIED: Crosspieces and fixing screw to the structure.

GW45573



#### 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 I <sub>cw</sub> (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.

GW49670



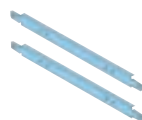
#### PAIR OF BUSBAR-HOLDERS FOR FLAT BUSBAR FOR CVX 1600 DISTRIBUTION BOARDS

| 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           |

# 47 BUSBAR RANGE

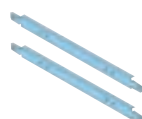
DISTRIBUTION SYSTEMS FOR DISTRIBUTION BOARDS

## CROSSPIECES FOR FLAT BUSBAR SYSTEM FOR DISTRIBUTION BOARDS CVX 1600



### PAIR OF SUPPORT CROSSPIECES FOR VERTICAL FLAT BUSBARS

| Code                                       | Assembly position | For structures (mm) | For busbar holder                     | Pack Carton |
|--------------------------------------------|-------------------|---------------------|---------------------------------------|-------------|
| <b>BUSBARS: INT./EXT. COMPARTMENT SIDE</b> |                   |                     |                                       |             |
| GW 49 737                                  | 2                 | D=600               | GW49670 - GW49671                     | 1           |
| GW 49 738                                  | 2                 | D=800               | GW49670 - GW49671                     | 1           |
| <b>BUSBARS: STRUCTURE SIDE</b>             |                   |                     |                                       |             |
| 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           |
| <b>BUSBARS: STRUCTURE BOTTOM</b>           |                   |                     |                                       |             |
| 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 |
|------------------------------------------------------------------|-------------------|---------------------|---------------------------------------|-------------|
| <b>BUSBARS: HIGH/LOW STRUCTURE OR INT./EXT. COMPARTMENT</b>      |                   |                     |                                       |             |
| GW 49 749                                                        | 3                 | D=600               | GW49670 - GW49671                     | 1           |
| GW 49 720                                                        | 3                 | D=800               | GW49659 - GW49660                     | 1           |
| <b>BUSBARS: HORIZONTAL TO EVERY HEIGHT STRUCTURE</b>             |                   |                     |                                       |             |
| 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           |
| <b>BUSBARS: HORIZONTAL TO EVERY HEIGHT INT./EXT. COMPARTMENT</b> |                   |                     |                                       |             |
| GW 49 739                                                        | 4                 | D=600               | GW49670 - GW49671                     | 1           |
| GW 49 740                                                        | 4                 | D=800               | GW49670 - GW49671 - GW49672 - GW49676 | 1           |

## FLEXIBLE STRAPS



### FLEXIBLE BUS-BARS - LENGTH: 2 METRES PER PIECE

| Code      | Rated current | Quantity | Section (mm²) | Pack Carton |
|-----------|---------------|----------|---------------|-------------|
| GW 47 651 | 160 A         | 1        | 2x15.5x0.8    | 1           |
| GW 47 652 | 250 A         | 2        | 3x20x1        | 1           |
| GW 47 653 | 400 A         | 2        | 5x20x1        | 1           |
| GW 47 654 | 630 A         | 2        | 5x32x1        | 1           |
| GW 47 655 | 1000 A        | 2        | 8x40x1        | 1           |
| GW 47 656 | 1250 A        | 2        | 10x50x1       | 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.