

Pack wall-mount enclosures for modular devices up to 160 A



Prisma Plus,
LV switchboards,
thought out for simplicity.



The Pack enclosure, the simplicity

With the Pack enclosure, Schneider Electric proposes high-performance technical solutions for modular switchgear in production of electrical distribution switchboards up to 160 A for buildings of the small and medium tertiary sectors (hotels, offices, shops and others). Its discrete design guarantees harmonious integration in entrance halls and passageways.

A complete enclosure delivered already mounted in a single reference

- Simple to order, the enclosure consists of:
 - a back equipped with modular rails,
 - cover panels,
 - plastic gland plate,
 - front plates,
 - blanking plates,
 - earth bars.

- A discreet appearance and perfect adaptability to all sites.

A range of enclosures adapted to needs

- With its range of 5 enclosures (2 to 6 rows), delivered already mounted, the Pack enclosures lets you upgrade your switchboard at any time according to your requirements.

- The doors, plain or transparent sold as options, are right/left reversible.



A double rail is delivered already mounted on the top of 4, 5 and 6-row wall-mount enclosures. A NG160 circuit breaker can be mixed with Multi9 devices.

Easy to install

- A clever wall-mounting device compensates for inaccurate drilling and allows repositioning of the installed enclosure.
- External wall-mounting lugs are also available.



A hinged bearing plate moves freely under the screw head.



Enclosure fixing is particularly easy.

Designed to facilitate cable insertion

- Pre cut-outs at the enclosure back are provided for rear cable insertion.
- Reference marks on the plastic gland plates facilitate cutting.
- They can be replaced by an optional metal plate.



Removable, the gland plate is very easy to install.



An offer tested for greater safety



Complete accessibility to switchgear

An open-ended switchboard



The door is installed easily without tools.

A sober and elegant design for successful interior integration

Prisma Plus solutions conform to the specifications of standard IEC 60439-1:

- temperature rise control,
- dielectric properties,
- short-circuit withstand,
- protection circuit efficiency,
- clearances and creepage distances,
- mechanical operation,
- IP withstand.

Installation, distribution and prefabricated connection systems have passed all tests successfully in the most restricting configurations.

- Guides and reference marks ensure automatic positioning of the cover panels.
- The cover panel assembly is very quickly fixed with only 4 screws.
- Each front plate is fixed onto the supports by captive screws.



Very quick assembly by 4 screws only.



1/8 turn is sufficient to fix the front plates.

- A door can be added after the enclosure has been installed. Equipped with 2 clip-on hinges, it is installed without tools.
- A function can be extended or isolated in the switchboard (metering, connection to terminals, etc.) thanks to an additional enclosure that can be added on vertically at any time.



An additional enclosure to be completed is associated vertically.

- The extra flat door combined with the shallowness of the enclosure, the curved, gentle and harmonious lines enable the enclosure natural installation in all environments.



A pushbutton lets you free the handle.



Simple and ergonomic to operate.

The Pack enclosure, a clear, innova

The Pack enclosure benefits from a particularly modern distribution system. High-performing, flexible and open-ended solutions guarantee quick implementation together with long-term reliability of connections and safety during operation. From the simplest to the most sophisticated, these solutions are tailored to meet your needs and are designed with a strict eye to detail to ensure a professional result.

“Type tested” prefabricated connection for each distribution block



Connections are made using 6 mm² and 10 mm² tap-off terminals.

Dependable and open-ended distribution blocks

Powerclip 125/160 A

- Delivered already mounted, this compact and fully insulated busbar consist of tapped copper bars, fitted into supports and able to be cut to the required length.
- Positioned to the left of the enclosure, it allows short connections with modular rows.
- The connections are made on the front throughout switchboard height.



Powerclip busbar supplied by Vigi NG160 circuit-breaker with “type tested” prefabricated connection.

Polybloc 160 A and Distribloc 125/160 A distribution blocks

- The Polybloc 160 A and Distribloc 125 and 160 A distribution blocks are clipped onto the modular rail.
- Equipped with spring loaded terminals for 4, 6, 10 mm² cables (Distribloc) and 16 mm² cables (Polybloc), they offer quick and reliable connection together with simplified phase rebalancing.



Clipped onto the modular rail, the Distribloc distribution block blends perfectly into the switchboard.



Polybloc 160 A distribution block supplied by NG160 circuit breaker.

40/125 A stepped splitter blocks

- Stepped splitter blocks are clipped onto modular rail or screwed onto a slotted mounting plate.
- They are delivered with cover and insulating back.
- Connections are screwed on.
- All strips are inter-insulated.



Stepped splitter block mounted on rail.

Multiple devices feeding options



Spring loaded terminal connection is quick, reliable and maintenance-free.

Multiclip 80 A distribution block

- The Multiclip 80 A distribution block, fully insulated, is clipped onto the rear of the modular rails.
- The possibility of mixing all types of modular device ensures maximum flexibility of the distribution block.
- The Multiclip distribution block is delivered with 4 mm² and 6 mm² connections.



Distribution by a Multiclip 80 A distribution block.



The Multiclip distribution block is easy to implement.



Supply with comb busbars.

The comb busbar, another reliable and economical distribution solution

- The comb busbars are fully insulated and can be cut to the required length.
- Devices are plugged in a single operation.
- Modifications can be made without disassembling the comb busbar.

Very organised wiring routing

- Straps and trunkings are used to route the power wiring for greater switchboard legibility and quality.



Associated with a vertical trunking, the wiring straps allow transparent and tidy wiring routing.



Wiring straps are clipped onto the back of the modular rail.



Feeders and earth are connected in spring loaded terminals.

Very comfortable connection

- The dismantlable enclosure guarantees a high degree of accessibility for cabling.
- Cable length is minimised to facilitate access and enhance switchboard legibility.
- The connection terminal blocks as well as the earth bar are equipped with spring loaded terminals which guarantee easy, quick and reliable connection.

Technical data

	I	lcw	lpk	IP	IK	No. of rows	Height	Width	Depth	Associability
Pack wall-mount enclosures	160 A	10 kA eff./1s	30 kA	30	07	2	5 heights	555 mm	157 mm	height with enclosure extension (without door) 186 mm (with door)
					(without door)	3	from 480 mm	(48 modules		
					08	4	to 1080 mm	of 9 mm or		
					(with door)	5		24 modules		
						6		of 18 mm)		

Pack wall-mount enclosure

Pack wall-mount enclosure

Catalogue numbers

2 and 3-row enclosures



2 and 3-row enclosures include:

- DIN rails for modular devices,
- earth bar,
- top and bottom plain front plates = 1.5 modules (75 mm),
- front plates with cut-outs = 3 modules (150 mm),
- plastic gland plate,
- 3 divisible blanking plates.

No. of rows	Height of enclosure (mm)	Enclosure	Plain door	Transparent door
2	480	08002	08082	08092
3	630	08003	08083	08093

Reversible doors (opening to left or right), equipped with a handle (without barrel lock).
For barrel locks and inserts, see "Door accessories".

4, 5 and 6-row enclosures



4, 5 and 6-row enclosures include:

- 1 DIN rail for an NG160 circuit breaker at the top of the enclosure,
- 1 DIN rail (L = 432 mm) and 4 raisers for installation of modular devices at the top of the enclosure,
- DIN rails for modular devices,
- earth bar,
- 1 top front plate with cut-outs = 5 modules (250 mm),
- front plates with cut-outs = 3 modules (150 mm),
- 1 bottom front plate with cut-outs = 4 modules (200 mm),
- plastic gland plate,
- 6 divisible blanking plates.

No. of rows	Height of enclosure (mm)	Enclosure	Plain door	Transparent door
4	780	08004	08084	08094
5	930	08005	08085	08095
6	1080	08006	08086	08096

Reversible doors (opening to left or right), equipped with a handle (without barrel lock).
For barrel locks and inserts, see "Door accessories".

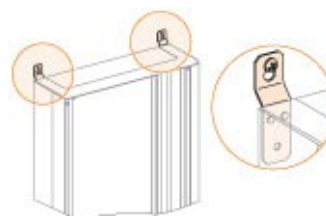
Enclosure accessories

Flush-mount kit and wall-mount brackets

Designation	Cat. no.
Flush-mount kit	08822
4 external wall-mount brackets	08803



08822



08803

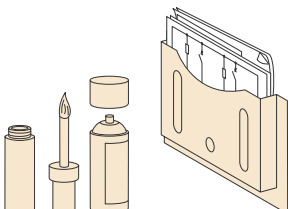
Door accessories

Designation	Cat. no.
Barrel lock + 2 keys no.405	08940
Earthing braid, 6 mm ²	08910
Earthing wire 6 mm ²	08911

The braid is equipped with a 4 mm diameter lug at one end and a 6 mm diameter lug on the other. It is used to earth a door or wicket door with devices.

Enclosure accessories

Designation	Cat. no.
Touch-up spray paint, RAL 9001	08962
Touch-up paint brush, RAL 9001	08961
Adhesive drawing holder	08963

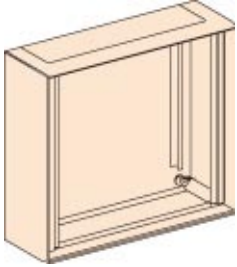


Pack wall-mount enclosure

Pack wall-mount enclosure

Catalogue numbers

Enclosure extension (empty)



Height of enclosure (mm)	Enclosure	Plain door	Transparent door
480	08012	08082	08092
630	08013	08083	08093

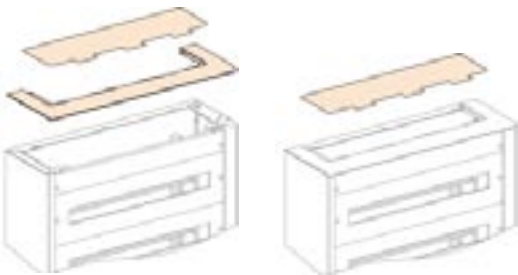
Accessories (modular rails, front plates, etc.) for the device mounting: see "Other installation accessories".

Combination uprights

To make the combination more rigid, particularly during transport, it is mandatory to use a set of combination uprights secured to the rear of the switchboard.

Designation	Cat. no.
2 combination uprights	08817

Gland plates



08878

08879

Designation	Cat. no.
Top or bottom plate with (additional) plastic gland plate	08878
Plain metal gland plate	08879

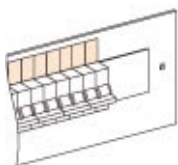
Trunking spreader



08821

Designation	Cat. no.
Trunking spreader	08821

Identification labels



Clip-on labels



Adhesive labels

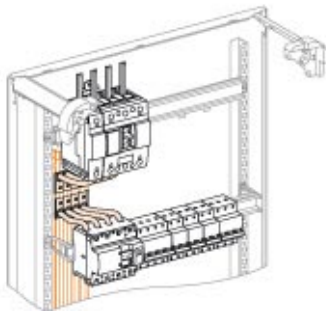
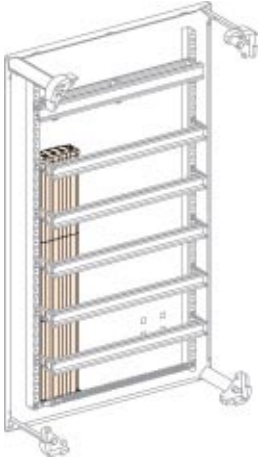
Clip-on labels		Cat. no.
12 clip-on labels	18 x 35	08913
	18 x 72	08915
	25 x 85	08917
12 engraving plates	18 x 35	08914
	18 x 72	08916
	25 x 85	08918

Adhesive labels		Cat. no.
12 adhesive label holders, W = 432 mm	H = 24 mm	08903
	H = 36 mm	08904

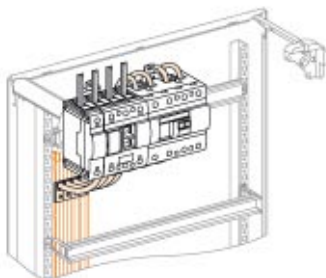
Symbol sheets		Cat. no.
10 adhesive symbol sheets	standard	13735
	special	13736

Catalogue numbers

Powerclip busbars



04147



04148

125 A Powerclip busbars		Cat. no.
Three-pole	L = 450 mm	04103
	L = 750 mm	04107
Four-pole	L = 450 mm	04104
	L = 750 mm	04108

160 A Powerclip busbars		Cat. no.
Three-pole	L = 1000 mm	04111
Four-pole	L = 1000 mm	04121

Busbar connections

Functional unit	Designation	Cat. no.
NG125 and INS40/125 (equipped with tunnel terminals)	4 125 A connections, L = 230 mm A 35 mm ² ferrule for connection to tunnel terminals is crimped to one end. A 45° ring lug is crimped to the other end. 95 mm ² tunnel terminals for INS: cat. no. 28947 (set of 3) cat. no. 28948 (set of 4)	04145
NG160 incoming device (located on left-hand side), NG125, INS160, C120	One-piece connection, 160A, L = 150 mm Supply to Powerclip busbars from a switchboard incomer. Supply to a row incomer from Powerclip busbars.	04147
<ul style="list-style-type: none"> ■ NG160 incoming device (located in the middle), NG125, INS160, C120 ■ NG160 Vigi incoming device (located on left-hand side) 	One-piece connection, 160A, L = 440 mm	04148



Tap-off blocks

- Each block can be used to connect:
 - one 6 mm² and one 10 mm² cables (04151),
 - one 16 mm² cable (04152).
- Equipped with spring terminals.

Designation	Cat. no.
12 Powerclip tap-off with 6 mm ² and 10 mm ² terminals	04151
12 Powerclip tap-off with 16 mm ² terminals	04152



04151



04152

Connection covers

Clip-on covers that block off the connected cable lugs and can be cut as needed. They maintain IPxxB value for cables from 10 to 25 mm² with 90° angle lugs.

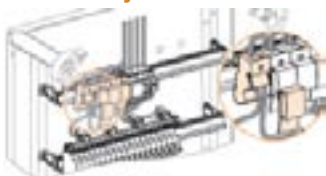
Designation	Cat. no.
8 IPxxB covers for Powerclip busbars	04150

8.8 class screws

For the electrical connection on the copper bars.

Designation	Cat. no.
Batch of 20 screws CHC M6 x 12 for Powerclip busbar	04158

160 A Polybloc distribution block



Designation	Cat. no.
160 A Polybloc distribution block, 1P	04031

Note: Installation on a raised DIN rail.

Connection for NG160, NG125, INS40/160, C120 with or without Vigi

Designation	Cat. no.
4 160 A connections for modular devices, L = 380 mm	04149

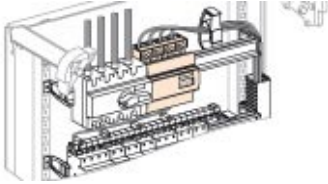
Two 45 mm² end fittings for tunnel terminals.

Pack wall-mount enclosure

Distribution Cable running

Catalogue numbers

125/160 A Distribloc distribution block



Designation	Cat. no.
125 A Distribloc distribution block	04045
160 A Distribloc distribution block with connections	04046

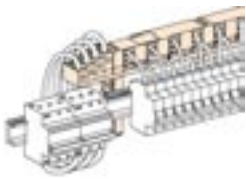
Note: Installation on a raised DIN rail.

Connection for NG125, INS40/160, C120 with or without Vigi

Designation	Cat. no.
4 NG-INS125 connections for Distribloc, L = 210 mm	04047

A male ferrule for a tunnel terminal is crimped on one end.
A 45° angle lug with a hole is crimped on the other end.

Multiclip distribution block



Designation	Cat. no.
80 A Multiclip distribution block, 4P	04004
63 A Multiclip distribution block, 4P, 1/2 row	04008

Insulation voltage U_i : 500V AC.

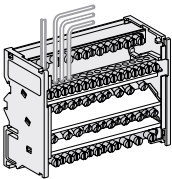
Nominal current: 63/80 A (40°C).

Upstream connection: tunnel terminals up to 25 mm².

Downstream connections by provided connections:

63 A 1/2 row: 2 x 4² max. + 2 x 6² max.
neutral: 4 x 4² max. + 4 x 6² max.
80 A: 7 x 4² max. + 2 x 6² max.
neutral: 4 x 6² max. + 13 x 4² max.

40/125 A stepped splitter blocks



Designation	Cat. no.
100 A stepped 2-pole splitter block (2 x 7 holes)	13506
125 A stepped 2-pole splitter block (2 x 13 holes)	13507
40 A stepped 4-pole splitter block (4 x 13 holes)	13508
100 A stepped 4-pole splitter block (4 x 7 holes)	13510
125 A stepped 4-pole splitter block (4 x 13 holes)	13512
125 A stepped 4-pole splitter block (4 x 17 holes)	13514

Insulation voltage U_i : 500V AC.

Nominal current: 40/100/125 A (40°C).

Additional bar	Cat. no.
for splitter block no. 13508	13516
for splitter block no. 13510	13515
for splitter block no. 13512	13517
for splitter block no. 13514	13518

Comb busbars



48 modules comb for C60 circuit-breaker	Cat. no.
One-pole	14891
Two-pole	14892
Three-pole	14893
Four-pole	14894

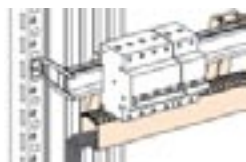
Insulation voltage U_i : 500V AC.

Nominal current: 1 point: 80 A (40°C),
2 points: 100 A (40°C).

Comb accessories

Designation	Cat. no.	
40 end-caps	1P/2P/1P+N, for comb busbars 3P/4P/3P+N, for comb busbars	14886 14887
40 tooth-caps for comb busbar teeth	14888	
4 insulated connectors for 25 mm ² cables	14885	

Cable running

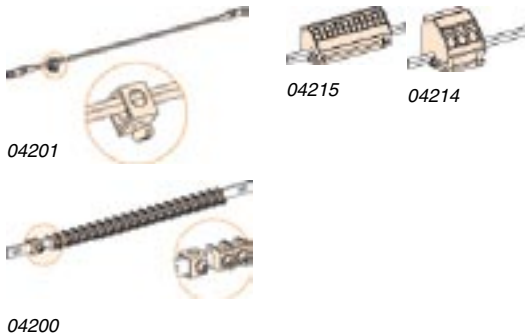


Cable straps	Cat. no.
12 horizontal cable straps	04239
4 covers for horizontal cable straps, L = 430 mm	04243

Trunking	Cat. no.
4 horizontal sections, 60 x 30 mm, L = 450 mm + supports	04257
12 horizontal trunking supports	04255
2 fixing brackets, height = 15 mm (for vertical trunking)	04206

Catalogue numbers

Earth bar

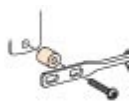


Earth bar with spring terminals	Cat. no.
Bare earth bar, 12 x 3 mm with 330 mm of connection space, equipped with a 35 mm ² tunnel terminal (for earth blocks with spring terminals)	04201
4 earth blocks with 12 x 4 mm ² spring terminals (L = 75 mm)	04214
4 earth blocks with 3 x 16 mm ² spring terminals (L = 37 mm)	04215

Earth bar with clamps	Cat. no.
Earth bar with 40 clamps + one 35 mm ² terminal (L = 450 mm)	04200

Fixing accessories	Cat. no.
2 fixing brackets, height = 15 mm (for vertical earth bar)	04206

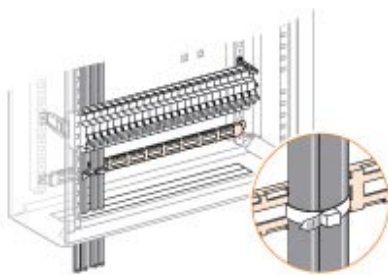
Kit for neutral bar



A neutral bar is created by inserting insulating spacers behind an earth bar.

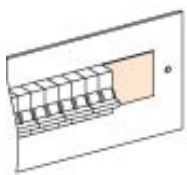
Designation	Cat. no.
Kit for neutral bar	04210

Cable-tie supports



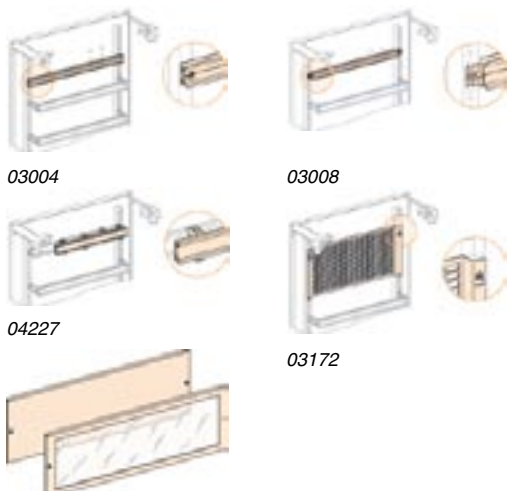
Designation	Cat. no.
2 cable-tie supports	08867

Blanking plates



Designation	Cat. no.
Blanking strip, height = 46 mm, L = 1 m	03220
4 divisible blanking plates, height = 46 mm, L = 90 mm	03221

Other installation accessories



Modular rails

Designation	Depth behind front plate (mm)	Useful length (mm)	Cat. no.
Rear modular device rail	79	432	03004
Modular device rail	-	432	03008
DIN rail and 4 modular raisers	-	342	04227

Slotted mounting plate

Designation	Cat. no.
Recessed slotted mounting plate height = 300 mm	03172

Front plates

Height (mm)	Plain front plate	Transparent front plate
50	03801	-
150	03803	-
200	03804	03342

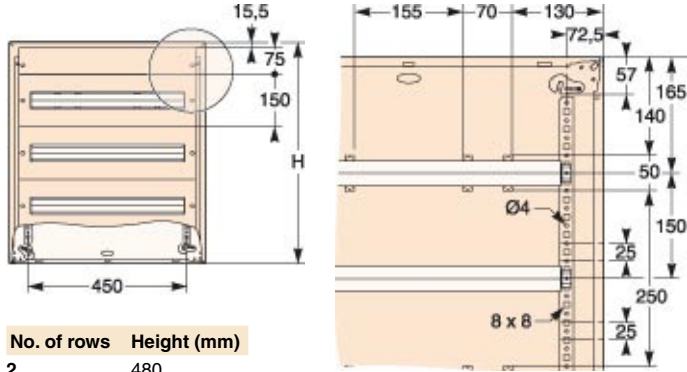
Pack wall-mount enclosure

Dimensions

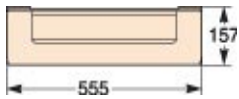
Dimensions

Wall-mount enclosure

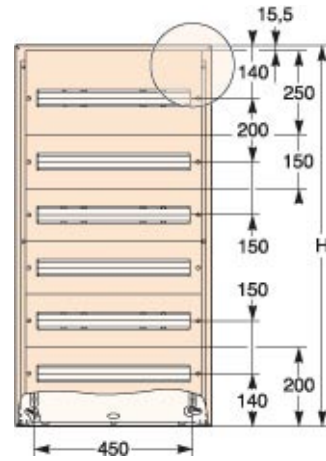
2 and 3-row wall-mount enclosures



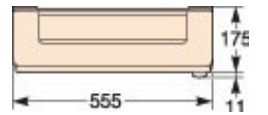
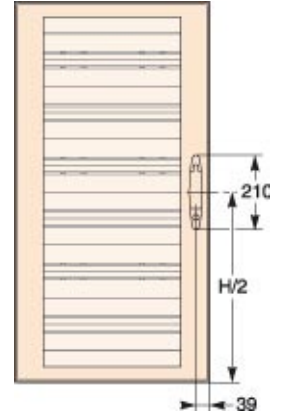
No. of rows	Height (mm)
2	480
3	630
4	780
5	930
6	1080



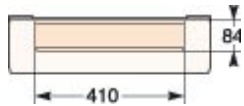
4, 5 and 6-row wall-mount enclosures



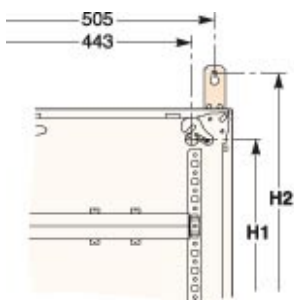
Door



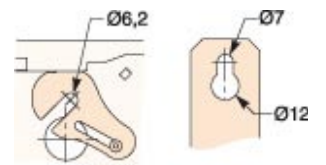
Gland plates



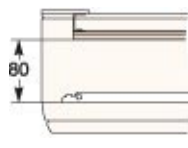
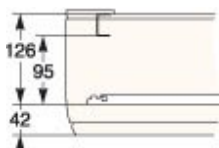
Wall mounting



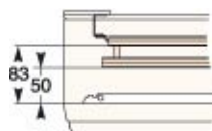
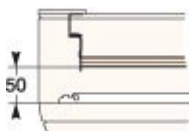
No. of rows	Heights (mm)	
	H1	H2
2	396	546
3	546	696
4	696	846
5	846	996
6	996	1146



Depth behind front plate



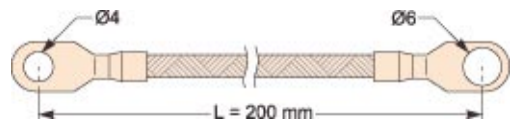
03004



Delivered with rail set up.

Upper rail in wall-mount enclosures of 4, 5 and 6 rows.

Earthing braid



The Guiding System, the new way to create your electrical installations

A comprehensive offer

The Guiding System is first and foremost a Merlin Gerin product offer covering all LV and MV electrical distribution needs: SM6 switchboards from 1 to 36 kV, Compact and Masterpact circuit breakers from 100 to 3200 A, modular switchgears and enclosures up to 125 A, Prisma Plus functional system for electrical distribution switchboards up to 3200 A and Canalis busbar trunking up to 5000 A. All these products have been designed to operate together, ensuring electrical, mechanical and communication compatibility. In this way the electrical installation is both optimised and more efficient, providing better continuity of supply, enhanced safety for people and equipment, guaranteed upgradeability and effective control and monitoring.

Tools to simplify design and implementation

With the Guiding System you have a comprehensive range of tools - the Guiding Tools - that will help you increase your product knowledge and implement Merlin Gerin products, in compliance with current standards and procedures. These tools include technical books and guides, design aid softwares, training courses, etc. and are regularly updated.

The Guiding System, combined with your know-how and creativity, allows optimised, reliable, open-ended and standard-compliant installations.

For a genuine partnership with you

Because each electrical installation is unique, there is no standard solution. With the Guiding System, the variety of combinations allows genuine customised solutions.

You can express your creativity and apply your know-how in the design, installation and operation of an electrical installation.

You and Merlin Gerin's Guiding System form a genuine partnership.

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