

Catalogue
Electrical distribution

quadro evo



:hager

Core values redefined.



More choice

A completely new busbar system in aluminium up to 1600 A and in copper up to 4000 A.



New compact design
More work space for better accessibility.

quadro

quadro evo is the result of an evolution. It retains the DNA of Hager enclosures with a whole series of improvements. For You, quadro evo means more options, also for large projects. This system simplifies design, conception and installation. All with Hager know-how and quality.



More flexibility
quadro evo can be configured with aluminium or copper busbars.



evo









More protection
Certified design is synonymous with safety : protection against electric shock and integrity of the circuit protections.



More safety
Increased resistance to short circuits.



Frame				Entry plate	
Top and bottom frame	Uprights h.1900/2100	Vertical dividing upright h.1900/2100	Plinth h.100 m	Plain plates for top and bottom	Open plates for top and bottom
					
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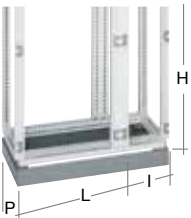
() internal dimension

Simple frame



Height	Width	Depth	References					
1900 (1800) / 2100 (2000)	450 (350)	400 (300)	FN018EW	FN046EW / FN047EW	-	FN438E	FN078E	FN098E
		600 (500)	FN020EW			FN440E	FN080E	FN100E
		800 (700)	FN022EW			FN442E	FN082E	FN102E
1900 (1800) / 2100 (2000)	700 (600)	400 (300)	FN021EW	FN046EW / FN047EW	-	FN441E	FN081E	FN101E
		600 (500)	FN029EW			FN451E	FN089E	FN109E
		800 (700)	FN013EW			FN433E	FN073E	FN93E
1900 (1800) / 2100 (2000)	900 (800)	400 (300)	FN023EW	FN046EW / FN047EW	-	FN443E	FN083E	FN103E
		600 (500)	FN031EW			FN453E	FN091E	FN111E
		800 (700)	FN017EW			FN437E	FN077E	FN097E

Divided frame



1900 (1800) / 2100 (2000)	900 = 700+200 (600+ cable duct: 200)	400 (300)	FN023EW	FN046EW / FN047EW	FN286EW / FN287EW	FN443E	FN083E	FN103E
		600 (500)	FN031EW			FN453E	FN091E	FN111E
		800 (700)	FN017EW			FN437E	FN077E	FN097E
1900 (1800) / 2100 (2000)	1000 = 700+300 (600+ cable duct: 300)	400 (300)	FN024EW	FN046EW / FN047EW	FN286EW / FN287EW	FN444E	FN084E	FN104E
		600 (500)	FN032EW			FN454E	FN092E	FN112E
		800 (700)	FN037EW			FN459E	FN121E	FN117E

Not suitable for permanent outdoor installation

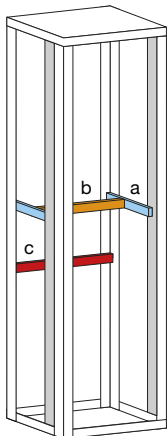
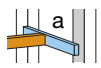



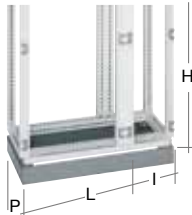
Cabinets finishing h.1900/2100							Preparation for internal equipment * h.1900/2100		
Finishing frame IP30 (without door) 	Plain door 	Glass door 	Rear panel 	Ventilated rear panel 	Plain panel cable compartment 	Side panel 	Uprights for fixation of internal system, including uprights for front covers fixation without busbar 	with busbar H=300 mm 	Front profile for front covers
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References

-	FN546E / FN547E	FN510E / FN511E	FN216E / FN217E	-	FN216E / FN217E	FN356E/ FN357E / FN366/ FN367E / FN376E/ FN377E	UC1800FB / UC2000FB	UC1600FB / UC1800FB	UC1800F / UC2000F
FN406E / FN407E	FN506E / FN507E	FN516E / FN517E	FN276E/ FN277E	FN276EDW / FN277EDW	-	FN356E/ FN357E / FN366E/ FN367E / FN376E/ FN377E	UC1800FB / UC2000FB	UC1600FB / UC1800FB	UC1800F / UC2000F
FN406E / FN407E	FN526E / FN527E	FN536E / FN537E	FN296E / FN297E	FN296EDW / FN297EDW	-	FN356E/ FN357E / FN366E/ FN367E / FN376E / FN377E	UC1800FB / UC2000FB	UC1600FB / UC1800FB	UC1800F / UC2000F
FN406E / FN407E	FN506E / FN507E	FN516E / FN517E	FN296E/ FN297E	FN296EDW / FN297EDW	FN266E/ FN267E	FN356E/ FN357E / FN366E/ FN367E / FN376E/ FN377E	UC1800FB / UC2000FB	UC1600FB / UC1800FB	UC1800F / UC2000F
FN406E / FN407E	FN506E / FN507E	FN516E / FN517E	FN246E / FN247E	FN246EDW / FN247EDW	FN206E / FN207E	FN356E/ FN357E / FN366E/ FN367E / FN376E/ FN377E	UC1800FB / UC2000FB	UC1600FB / UC1800FB	UC1800F / UC2000F

Not suitable for permanent outdoor installation

* double-sided equipment of the cabinets made by installing the functional uprights and front plate supports at the front and at the rear.








Equipment				Perforated bracket for frame (attached directly to the frame)			Corner cabinet				
 <p>() internal dimension</p>				Horizontal upright* (a)		Bracket (b)		Additional fixing bracket			
										Corner cabinet with plinth H= 100mm	
				Height	Width	Depth	References				
				1900 (1800) / 2100 (2000)	450 (350)	400 (300)	UC300FU	UC350FU + UC000FU	UC000FU	FN004E/FN005E	FX438
						600 (500)	UC500FU			FN006E/FN007E	FX450
						800 (700)	UC700FU			FN008E/FN009E	FX458
				1900 (1800) / 2100 (2000)	700 (600)	400 (300)	UC300FU	UC600FU + UC000FU	UC000FU	-	-
						600 (500)	UC500FU				
						800 (700)	UC700FU				
				1900 (1800) / 2100 (2000)	900 (800)	400 (300)	UC300FU	UC800FU + UC000FU	UC000FU	-	-
						600 (500)	UC500FU				
						800 (700)	UC700FU				
1900 (1800) / 2100 (2000)	900 = 700 + 200 (600 + cable duct: 200)	400 (300)	UC300FU	equip. bay : UC600FU + UC000FU cable duct : UC200FU + UC000FU	UC000FU	-	-				
		600 (500)	UC500FU								
		800 (700)	UC700FU								
1900 (1800) / 2100 (2000)	1000 = 700 + 300 (600 + cable duct: 300)	400 (300)	UC300FU	equip. bay: UC600FU + UC000FU cable duct : UC300FU + UC000FU	UC000FU	-	-				
		600 (500)	UC500FU								
		800 (700)	UC700FU								

Uprights, page 16

Corner cabinet, page 8

Not suitable for permanent outdoor installation

Accessories

Lifting rings	Plinth connection kit	Door stopper	Clips nut and screws M5	Document holder	Lock n°1242E n°405 n°455 n°E333	Insert lock squared 8 x 8mm double bit 3mm triangular 8 mm
						
FZ767	FN430E	FN952	UC969	FZ795D FZ794	FZ506 FZ519 FZ520 FL98Z	FL76Z FL75Z FL74Z
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Lateral cabinet interconnection				Back-to-back cabinet interconnection				
Connection plate (4 parts)	Cover plate	Sealing gasket (10 m)	Double lifting rings	Cover plate	Connection plate (4 parts)	External connection plate	Sealing gasket (10 m)	Double lifting rings

References

FN950	FN942E	FN951	FZ760E	FN946E	FN950	FN954E	FN951	FZ760E
FN950 (x2)	FN943E							
	FN944E							
FN950	FN942E	FN951	FZ760E	FN947E	FN950	FN954E	FN951	FZ760E
FN950 (x2)	FN943E							
	FN944E							
FN950	FN942E	FN951	FZ760E	FN948E	FN950	FN954E	FN951	FZ760E
FN950 (x2)	FN943E							
	FN944E							
FN950	FN942E	FN951	FZ760E	FN948E	FN950	FN954E	FN951	FZ760E
FN950 (x2)	FN943E							
	FN944E							

Cabinet interconnection, page 15

* Not suitable for permanent outdoor installation

Plates for open cable entry

Plain plates				Plates			Gland insert
steel	aluminium	plastic, waterproof		with metrical precuts for cable glands	metal cable plate for 2 cables	top ventilation cap, cable entry	for plate FZ402
without precut	without precut	without precut	with flexible rubber pins				
FZ422	FZ402AL	FZ404	FZ402	FZ406M FZ407M FZ408M	FZ415N FZ415S	FZ403WP	FZ401
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Cabinets quadro evo

for electrical distribution up to 4000 A
Consult the quadro evo technical documentation for the choice of "product" ranges that can integrate certified LV switchgear sets.

height: 1900 and 2100 mm
depth: 400, 600, 800 mm
width: 450, 700, 900, *1000 mm
Subassembly :

- top and bottom frame
- 4 uprights
- plain / sliding cover plates
- plinth (height 100 mm) to **300 mm
- IP30 with front covers
- IP43 with partial doors system
- IP55* with front plates and full or glass doors

* Not suitable for permanent outdoor installation

- IK07 with glass door
 - IK08 with front covers (w/o doors)
 - IK10 with doors
- Color RAL 9010,
Color of plinth RAL 7042.

Can be combines laterally and back to back.

Cabinet covering

- side panel
- rear panel
- front panel for cable compartment,
- finition frame IP30
- plain / glass door
- cables entry-plate

Comply with

EN 62208
NF EN 61439-1 and 2

Short-time withstand current
Icw = 65 KA (1s)

Corner mounting

allows to create a corner configuration to adapt to the space available in the technical room.

Accessories for corner mounting
- juxtaposition,
- coupling seal,
see page 33



FN029EW



FN438E



FN430E



FN0006E

Description	Characteristics		Ref.	Ref.
	width	depth	frame	plinth
Top / bottom frame, and plinth	450 mm	400 mm	FN018EW	FN438E
	700 mm	400 mm	FN021EW	FN441E
	900 mm	400 mm	FN023EW	FN443E
	1000 mm	400 mm	FN024EW	FN444E
*Possibility to get a depth of 1000 mm by coupling 2 cabinets (400 + 600 mm) in depth with accessory FN954E	450 mm	600 mm	FN020EW	FN440E
	700 mm	600 mm	FN029EW	FN451E
	900 mm	600 mm	FN031EW	FN453E
	1000 mm	600 mm	FN032EW	FN454E
**Possibility to get a plinth height 300 mm by coupling 3 plinths (h 100 mm) with accessory FN430E	450 mm	800 mm	FN022EW	FN442E
	700 mm	800 mm	FN013EW	FN433E
	900 mm	800 mm	FN017EW	FN437E
	1000 mm	800 mm	FN037EW	FN459E

Description	Characteristics	Ref.
Plinth connection kit to superpose 2 plinths	seal 10 x 6 mm length 10 m + set of screws	FN430E

Description	Characteristics		Ref. cabinet	Ref. additional plinth
	width/height	depth		
Corner structure	400/1900 mm	400 mm	FN004E	FX438
Enclosures of same depth can be arranged as a corner version. Two back panels are required and no side panels and doors. Delivered with plinth H=100mm.	400/2100 mm	400 mm	FN005E	FX438
	600/1900 mm	600 mm	FN006E	FX450
	600/2100 mm	600 mm	FN007E	FX450
	800/1900 mm	800 mm	FN008E	FX458
	800/2100 mm	800 mm	FN009E	FX458

Structural uprights

make-up the structure of the cabinet with the top and bottom frame

Vertical dividing uprights

allows to create a 200mm wide compartment in 900 mm wide enclosures or a 300 mm compartment in 1000 mm wide enclosures

Functional upright for equipment kits

mandatory for equipment kit mounting in 450, 700, 900 or 1000mm wide enclosures.

Double-front equipment

The rear side of the enclosure can be fitted with equipment kits therefore add :

- a set of functional uprights for equipment kits UCxxxFB or
- partial back functional uprights UCxxxBU with the front functional uprights UCxxxF.



FN046EW



FN286EW



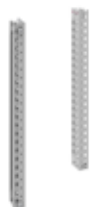
FX289



UC1800FB



UC200F



UC600BU

Description	Characteristics	For enclosure height	Ref. height
Structural uprights	set of 4 uprights	1900 mm	FN046EW
		2100 mm	FN047EW
Vertical dividing uprights	- delivered with 1 upright and fixing accessories - 2 diving uprights per cabinet are needed (front & back)	1900 mm	FN286EW
		2100 mm	FN287EW
Horizontal dividing upright	for cabinets depth: 400 mm		FX289
	600 mm		FX291
	800 mm		FX292
Functional uprights for equipment kits	without space for busbar in top section of enclosure	1900 mm	UC1800FB
		2100 mm	UC2000FB
does not fit in 300mm cable compartment	with space for busbar in top section of enclosure	1900 mm	UC1600FB
	delivered with 2 front / back uprights and accessories	2100 mm	UC1800FB
Description	Characteristics	Upright height	Ref.
Front functional uprights	can be used when no Functional uprights for equipment kits UCxxxxFB is used or can be associated with partial back functional uprights UCxxxBU	200 mm	UC200F
		300 mm	UC300F
		400 mm	UC400F
		600 mm	UC600F
		1800 mm	UC1800F
		2000 mm	UC2000F
Partial back functional uprights	fixing of the uprights with 4 perforated brackets (not included) mounted in the cabinets where certain kits are fixed to the structure	300 mm	UC300BU
		400 mm	UC400BU
		500 mm	UC500BU
		600 mm	UC600BU
		700 mm	UC700BU
		800 mm	UC800BU
		900 mm	UC900BU
		1000 mm	UC1000BU



Electrical performance

Compliant with standards : IEC 62208 - EN 62208
 Rated insulation level (main busbar) : 1000 V
 Rated current (In) : 4000 A
 Rated peak withstand current (Ipk) : 187 kA
 Rated short-time withstand current (Icw) : 65 kA rms / 1s
 Frequency : 50 / 60 Hz
 Rated operating voltage (Ue) : 690 V

Tools

Hagercad : Layout software for distribution boards with 3D visualization.

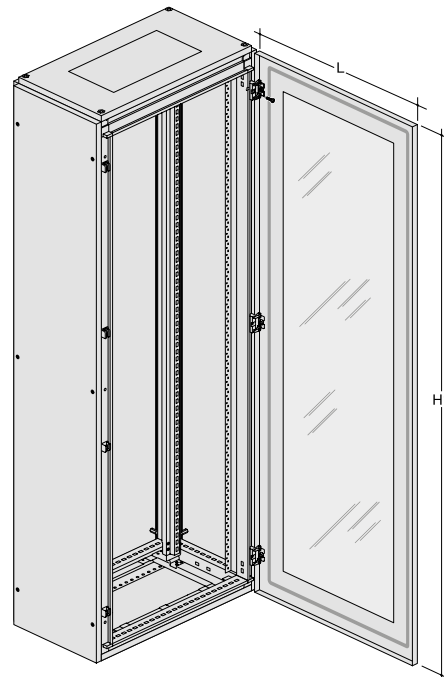
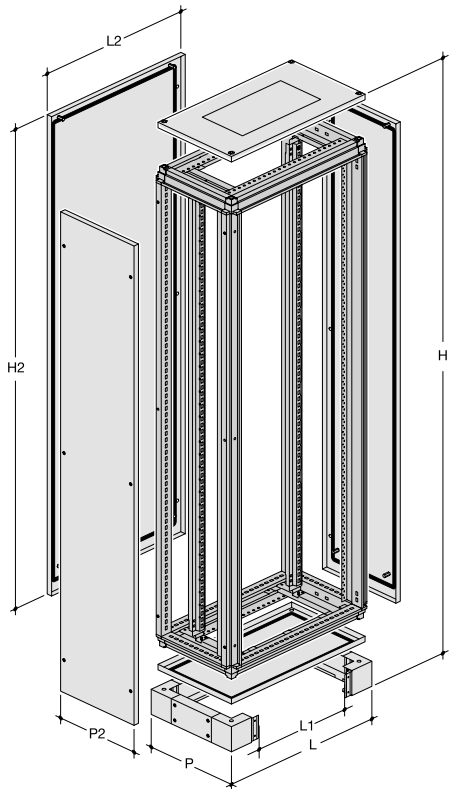
Mechanical performance

Material	Sheet metal (steel) Cataphoresis-painted surface and hot-polymerized polyester (epoxy powder coating) Non-painted parts, such as mounting plates: galvanized sheets
Colour	RAL 9010 (white) RAL 7035 (light grey)
Application	Enclosures for indoor use
Degree of protection	IP30 with corresponding cover panel IP31 with front door and ventilation IP43 with modular doors IP55 with corresponding cover panel, including a door
Impact resistance rating	IK08 with covering frame IK10 with IP55 door
Framework widths (internal / external)	300 mm (cable compartment) 350 mm / 450 mm 600 mm / 700 mm 800 mm / 900 mm 600 mm + 300 mm / 1000
Framework heights (internal / external)	2000 mm / 2100 mm 1800 mm / 1900 mm
Framework depths (internal / external)	350 / 400 mm 550 / 600 mm 750 / 800 mm
Cabinet	Flatpack delivery
Possible configurations	Side by side, back to back, corner



* Not suitable for permanent outdoor installation

Cabinets quadro evo



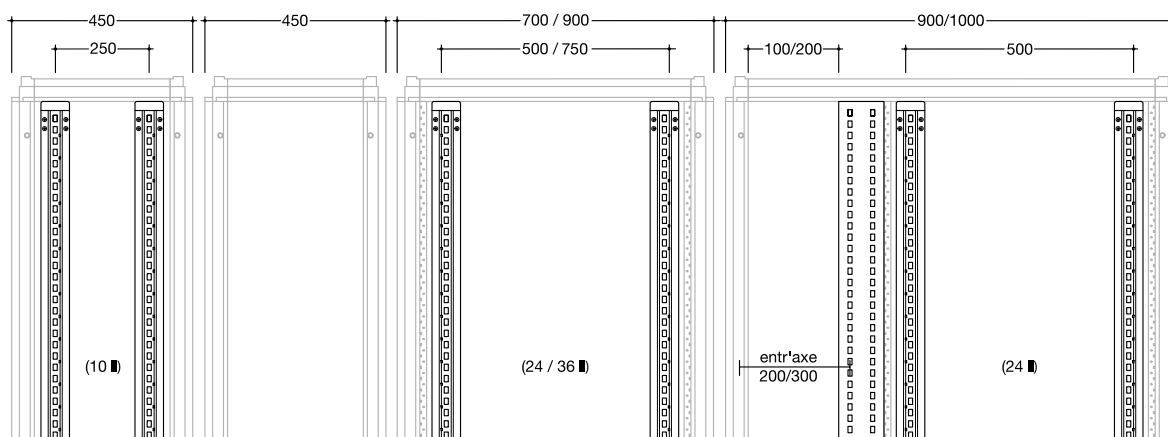
Door height H1: 1900 mm or 2100 mm

Overall dimensions in mm for height structure (H*)

	1900 mm with plinth H: 100 mm						2100 mm plinth 100 mm							
	frame	plinth	side	back	H*	H1 / H2	side	back	H*	H1 / H2	P	L1	L2	P2
L = 450	FN018EW	FN438E	FN356E	FN216E	2000	1900	FN357E	FN217E	2200	2100	400	288	448	365
L = 700	FN021EW	FN441E	FN356E	FN276E	2000	1900	FN357E	FN277E	2200	2100	400	538	698	365
L = 900	FN023EW	FN443E	FN356E	FN296E	2000	1900	FN357E	FN297E	2200	2100	400	738	898	365
L = 1000	FN024EW	FN444E	FN356E	FN246E	2000	1900	FN357E	FN247E	2200	2100	400	838	998	365
L = 450	FN020EW	FN440E	FN366E	FN216E	2000	1900	FN367E	FN217E	2200	2100	600	288	448	565
L = 700	FN029EW	FN451E	FN366E	FN276E	2000	1900	FN367E	FN277E	2200	2100	600	538	698	565
L = 900	FN031EW	FN453E	FN366E	FN296E	2000	1900	FN367E	FN297E	2200	2100	600	738	898	565
L = 1000	FN032EW	FN454E	FN366E	FN246E	2000	1900	FN367E	FN247E	2200	2100	600	838	998	565
L = 450	FN022EW	FN442E	FN376E	FN216E	2000	1900	FN377E	FN217E	2200	2100	800	288	448	765
L = 700	FN013EW	FN433E	FN376E	FN276E	2000	1900	FN377E	FN277E	2200	2100	800	538	698	765
L = 900	FN017EW	FN437E	FN376E	FN296E	2000	1900	FN377E	FN297E	2200	2100	800	738	898	765
L = 1000	FN037EW	FN459E	FN376E	FN246E	2000	1900	FN377E	FN247E	2200	2100	800	838	998	765

* total height structure + plinth 100 mm

Back equipment quadro evo



Cable entry plates

Plain cable entry plates, equipped with seal IP55*
*Not suitable for permanent outdoor installation.

Open cable entry plates, To be equipped with entry plates FZxxx

*bottom plate has to be mounted before the plinth

**open : with precut openings



FN081E



FN109E



FZ402



FZ404



FZ407M



FZ403WP



FZ401

Description	Characteristics		Ref.	Ref.
	depth	width	plain	open**
Cable entry plates can be mounted on top and bottom*	400 mm	450 mm	FN078E	FN098E
		700 mm	FN081E	FN101E
		900 mm	FN083E	FN103E
		1000 mm	FN084E	FN104E
	600 mm	450 mm	FN080E	FN100E
		700 mm	FN089E	FN109E
		900 mm	FN091E	FN111E
		1000 mm	FN092E	FN112E
	800 mm	450 mm	FN082E	FN102E
		700 mm	FN073E	FN093E
		900 mm	FN077E	FN097E
		1000 mm	FN121E	FN117E

Description	Characteristics	Ref.
Cable entry plate, plain, metal without precuts	flat surface, attached with 8 screws	FZ422
Cable entry plate, plain, aluminium without precuts	flat surface, attached with 8 screws	FZ402AL
Cable entry plate, plain, plastic without precuts	flat surface, attached with 4 screws	FZ404
Cable entry plate, plain, IP55 flexible rubbers pins	24 x Ø 9 - 11,5 mm / 12 x Ø 11 - 16 mm 4 x Ø 12,5 - 20 mm / 2 x Ø 13 - 27,5 mm 2 x Ø 16 - 32 mm	FZ402
Cable entry plate With precuts for cable glands	15 x M20 or 13 x M20 +2 x M25	FZ406M
	8 x M25 or 6 x M25 +2 x M32	FZ407M
	2 x M25/32,1 x M50/63	FZ408M
Cable entry plate with rubber pins for 2 cables	adjustable to cable Ø - Ø 30 to 72 mm	FZ415N
	- Ø 23 to 55 mm	FZ415S
Cable entry plate top ventilation cap	for plastic cable entry plate FZ402	FZ403WP
Gland insert	for plastic cable entry plate FZ402	FZ401

Classical door systems

Doors for quadro evo, finishing frames

reversible, height:
1860 mm and 2060 mm
Enables to achieve
protection IP55* / IK10

* Not suitable for permanent
outdoor installation



FN510E

Transparent doors

- provided with a plate
3 mm thick
tempered glass
- distance front covers /
door : 70 mm

Plain doors

- distance front covers /
door : 75 mm



FN406E

Finishing frame IP30

cabinets height 1900 mm
and 2100 mm
RAL7042

Screwed pannels

to close the front, back
and sides of the cabinet ;
fixing with screws



FN266E



FN276EDW



FN276E

Description	Characteristics		Ref.	
	width	height	full	transp.
Doors full and transparent	450 mm	1900 mm	FN546E	FN510E
		2100 mm	FN547E	FN511E
delivered complete with hinges and with rotary handle equipped with push button	700 mm	1900 mm	FN506E	FN516E
		2100 mm	FN507E	FN517E
	900 mm	1900 mm	FN526E	FN536E
		2100 mm	FN527E	FN537E

Description	Characteristics		Ref.	
	width	height		
Finition frame delivered with profiles and screws	450 mm	1900 mm		FN404E
		2100 mm		FN405E
	700 mm	1900 mm		FN406E
		2100 mm		FN407E
	900 mm (without cable duct)	1900 mm		FN426E
		2100 mm		FN427E

Description	Characteristics		Ref.	
	depth	height		
Side panels fixing by screws on the sides	400 mm	1900 mm		FN356E
		2100 mm		FN357E
	600 mm	1900 mm		FN366E
		2100 mm		FN367E
800 mm	1900 mm		FN376E	
	2100 mm		FN377E	

Description	Characteristics		Ref.	
	width	height	plain	ventilated
Cable compartment panels - to close 200 or 300mm cable compartment - can be mounted on the front or on the back side	200 mm	1900 mm	FN266E	-
		2100 mm	FN267E	-
	300 mm	1900 mm	FN206E	-
		2100 mm	FN207E	-
	450 mm	1900 mm	FN216E	-
		2100 mm	FN217E	-
Back panels to be mounted on the back of the enclosure	450 mm	1900 mm	FN216E	-
		2100 mm	FN217E	-
	700 mm	1900 mm	FN276E	FN276EDW
		2100 mm	FN277E	FN277EDW
	900 mm	1900 mm	FN296E	FN296EDW
		2100 mm	FN297E	FN297EDW
	1000 mm	1900 mm	FN246E	FN246EDW
		2100 mm	FN247E	FN247EDW

Partial doors system

The partial door system replaces the classic door system and enables to achieve IP43.

Implement partial door system

equip the cabinet with:
- vertical upright for modular door
- top and bottom finishing panel.
- top and bottom finishing panel.

The remaining free space is to be equipped with the products of the system. Plain panels, partial doors with cut-out, plain or transparent partial doors.



FN1900DP



FN60TBPW



FN6020MDW



FN6020FDW








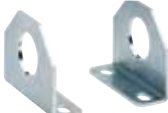


FN6020PDW



FN6040PGW

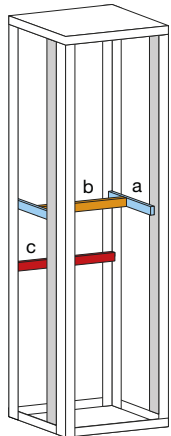
Description	Characteristics		Ref.
	width	height	
Vertical uprights for modular door		1900 mm	FN1900PD
		2100 mm	FN2100PD
Finishing panel front top and bottom set of 2 pieces	600 mm		FN60TBPW
	800 mm		FN80TBPW
Partial doors with cut-out - for ACB HW	600 mm	600 mm	UC766PDH
	800 mm	600 mm	UC786PDH
- for modular devices	600 mm	200 mm	FN6020MDW
	800 mm	200 mm	FN8020MDW
Plain panels	600 mm	200 mm	FN6020FDW
	800 mm	200 mm	FN8020FDW

Description	Characteristics		Ref.	Ref.
	width	height	full	transparent
Partial doors	600 mm	200 mm	FN6020PDW	-
		300 mm	FN6030PDW	-
		400 mm	FN6040PDW	FN6040PGW
	800 mm	600 mm	FN6060PDW	FN6060PGW
		200 mm	FN8020PDW	-
		300 mm	FN8030PDW	-
	400 mm	FN8040PDW	FN8040PGW	
	600 mm	FN8060PDW	FN8060PGW	

	Description	Characteristics	Ref.
 FN954E	Depth coupling kit to combine cabinets (same width and height) depthwise ; possibility to achieve depth = 1000 mm (600 + 400)	with plates and screws	FN954E
 FN950	Lateral coupling kit for all the enclosures	kit with 4 pieces in galvanised steel 40 / 10e	FN950
 FN951	Adhesive gasket	seal 10 x 6 mm length 10 m	FN951
 FN943E	Cover plates to close space between two associated enclosures	for enclosure depth : 400 mm 600 mm 800 mm for enclosure width : 450 mm 700 mm 900 mm 1000 mm	FN942E FN943E FN944E FN946E FN947E FN948E FN949E
 FZ767	Lifting rings simple	set of 2, delivered with M12 bolt	FZ767
 FZ760E	Lifting rings double	set of 4, delivered with M12 bolt	FZ760E
 FZ795D	Document holder, A4	delivered with adhesive for fixing in inside doors steel pocket holder plastic pocket holder	FZ795D FZ794
 FZ794			

Perforated brackets

allow to mount and fix various internal elements to the quadro evo cabinets: busbar holder, vertical terminals, non-modular devices.



Front fixation directly in the front functional upright.
Rear fixation by means of a supplied bracket UC000FU.
It is necessary to add additional support in the following cases:
- application (a) involving heavy loads (eg. : ACBs)
- application (a) without front functional uprights
- application (b) and (c).

Various accessories

These accessories are used for fixing perforated brackets and mounting products on these brackets.



FZ952



FZ506



FL74Z-FL75Z-FL76Z



FZ850



UC300FU



UC000FU



UC600FU



UC990



UC991

Description	Characteristics	Ref.	
Door stopper	for 450 et 700 mm wide doors	FN952	
Key insert	with key 1242E lock cylinder		FZ506
	with key 405 lock cylinder		FZ519
	with key 455 lock cylinder		FZ520
	with key E333 lock cylinder		FL98Z
Inserts for locks	triangular insert 8 mm		FL74Z
	squared insert 8 x 8 mm		FL76Z
	double bit insert 3 mm		FL75Z
	key triangle + square + double bit		FZ850
Description	Characteristics	Ref. bracket	Ref. support additio.
Side brackets (a)	for enclosures, depth :		
	400 mm	UC300FU	UC000FU
	600 mm	UC500FU	UC000FU
mounted horizontally on enclosure side	800 mm	UC700FU	UC000FU
H. 50 mm, step of 25 mm			
Back side brackets (c) And between side brackets (b)	for enclosures width:		
	450 mm	UC350FU	UC000FU
	700 mm	UC600FU	UC000FU
	900 mm	UC800FU	UC000FU
mounted directly on the uprights on the back of the enclosure	for cable compartment:		
H. 50 mm, step of 25 mm	200 mm in 900 mm enclosures	UC200FU	UC000FU
	300 mm in 1000 mm enclosures	UC300FU	UC000FU
Description	Characteristics	Ref.	
Cage nuts M6 for uprights and brackets	for all cabinets	UC990	
Screw M6 x 12 for cage nuts	for all cabinets	UC991	

Natural ventilation accessories

ensure air circulation inside the assemblies. Tests carried out with these accessories from form 2b.

Comply with
NF EN 61439-1 and 2



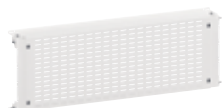
FN7060R

Louvered panels

to ensure air circulation in the casing and better heat dissipation, it is recommended to fit at least one louvered panel (at the bottom) in the case of a cabinet equipped with a ventilated roof.



UC6010PL



UC340FP

Set back front covers

the additional setback of 45 mm creates a larger free space behind the door and allows the integration of deeper devices on the front face. Free depth :

- plain door 111 mm
- glass door 107 mm



UC291

Description	Characteristics		Ref.
	width	depth	
Ventilated roof	700 mm	600 mm	FN7060R
IP30 (cabinet without door) IP31 (cabinet with door) (delivered with 4 screws) mounted on the structure of the enclosure		800 mm	FN7080R
	900 mm	600 mm	FN9060R
		800 mm	FN9080R
	1000 mm	600 mm	FN10060R
		800 mm	FN10080R

Description	Characteristics		Ref.
	width	height	
Louvered panels	700 mm	100 mm	UC6010PL
		200 mm	UC6020PL
900 mm	100 mm	UC8010PL	
	200 mm	UC8020PL	

Description	Characteristics		Ref.
	width	height	
Louvered panels for busbars mounted in 400mm deep enclosure	350 mm	200 mm	UC3540FP
		300 mm	UC353040FP
600 mm	200 mm	UC6040FP	
	300 mm	UC603040FP	
800 mm	200 mm	UC8040FP	
	300 mm	UC803040FP	

Set back front covers	600 mm	300 mm	UC291
		400 mm	UC292
		600 mm	UC293
800 mm	300 mm	UC296	
	400 mm	UC297	
	600 mm	UC298	

Plain front covers



UC231



UC230



UC239



UC232



UC235



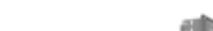
UC301



UC234EM



UC1530MD



UC2035AMD



UC2060MP



UC268



UC969

Plain front plates for measurement devices




They are used to accommodate elements to be mounted on the front of the cabinet, such as measurement units, meters or indicator lights.

Equipment kits for modular devices

With a height of 150 mm or 200 mm, they are fixed on the functional uprights. The kit includes the rail with its fixation and the corresponding front plate.

Plain mounting plate

Allows to create a mechanical support for fixing insulators or devices.

Description	Height	Ref. width 350 mm (10 )	Ref. width 600 mm (24 )	Ref. width 800 mm (36 )
Plain front plates				
Plain front plates	50 mm	UC221	UC231	UC241
	75 mm	UC220	UC230	UC240
	100 mm	-	UC239	UC249
	150 mm	UC222	UC232	UC242
	200 mm	UC223	UC233	UC243
	300 mm	UC224	UC234	UC244
	400 mm	UC225	UC235	UC245
	600 mm	UC226	UC236	UC246
	800 mm	UC227	UC237	UC247
Plain front plates for measurement devices				
- for 4 devices 72 x 72 mm	200 mm	-	UC301	-
- for 3 devices 92 x 92 mm	200 mm	-	UC233EM	UC243EM
- for 2 devices 92 x 92 mm + 3 light indicator Ø 22	200 mm	-	UC234EM	-
Equipment kits				
- for modular devices	150 mm	UC1530MD	UC1560MD	UC1580MD
	200 mm	-	UC2060MD	UC2080MD
- for terminals 200 mm (delivered with cover plate)	200 mm	UC2035AMD	UC2060AMD	UC2080AMD
Plain mounting plate				
(delivered without cover plate)	200 mm	-	UC2060MP	UC2080MP

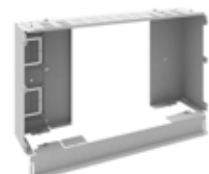
Description	Characteristics	Ref.
Hinges for front plates	set of 2 hinges mounted on the right or left side of the front plate	UC268
Clips nuts and M5 screws	set of 25 clips nuts for perforated mounting plates	UC969

Segregation parts

- for devices
- for busbar



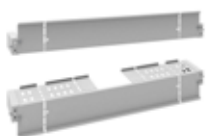
UC6060HW



UC6040DHW1



UC60HDHW1



UC1000V



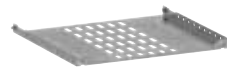
UC1000BH



UC6015FMD

Description	Characteristics		Ref.
	height	width	
Segregation parts for equipment kits			
<ul style="list-style-type: none"> • for ACB HW - ACB HW max. 2000 A 	600 mm	600 mm	UC6060HW
- ACB HW max. 4000 A	600 mm	800 mm	UC6080HW
<ul style="list-style-type: none"> • for ACB HW1 - ACB HW1 max. 1600 A 	forme 3b	600 mm	UC6040FHW1
fixed version		800 mm	UC8040FHW1
draw-out version	forme 3b	600 mm	UC6040DHW1
		800 mm	UC8040DHW1
fixed version	forme 4b	600 mm	UC60HFHW1
		800 mm	UC80HFHW1
draw-out version	forme 4b	600 mm	UC60HDHW1
		800 mm	UC80HDHW1
<ul style="list-style-type: none"> • for MCCB - type h1000 	forme 2b		UC1000V
	forme 3b/4b		UC1000BH
- type h1600	forme 2b		UC1600V
	forme 3b/4b		UC1600BH
<ul style="list-style-type: none"> • for modular devices or terminals equipment kits 	150 mm	600 mm	UC6015FMD
		800 mm	UC8015FMD
	200 mm	600 mm	UC6020FMD
		800 mm	UC8020FMD

Segregation parts
form 2b



UC3040BH

Description	Characteristics		Ref.
	depth	width	
Segregation parts back horizontal	400 mm	350 mm	UC3540BH
		600 mm	UC6040BH
		800 mm	UC8040BH
busbar separation	600 mm	350 mm	UC3560BH
		600 mm	UC6060BH
		800 mm	UC8060BH
	800 mm	350 mm	UC3580BH
		600 mm	UC6080BH
		800 mm	UC8080BH



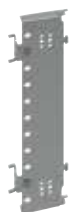
UC350FH

Description	Characteristics		Ref.
	depth	width	
Segregation parts frontal horizontal	400 mm	350 mm	UC350FH
	to	600 mm	UC600FH
	800 mm	800 mm	UC800FH
MCCB separation			



UC3040FUH

Description	Characteristics		Ref.
	depth	width	
Segregation parts horizontal full	400 mm	300 mm (cable duct)	UC3040FUH
		350 mm	UC3540FUH
		600 mm	UC6040FUH
		800 mm	UC8040FUH
busbar separation	600 mm	300 mm (cable duct)	UC3060FUH
		350 mm	UC3560FUH
		600 mm	UC6060FUH
		800 mm	UC8060FUH
	800 mm	300 mm (cable duct)	UC3080FUH
		350 mm	UC3580FUH
		600 mm	UC6080FUH
		800 mm	UC8080FUH



UC3040BL

Description	Characteristics		Ref.
	depth	height	
Segregation part back lateral	400 mm	150 mm	UC1540BL
		200 mm	UC2040BL
		300 mm	UC3040BL
		400 mm	UC4040BL
		600 mm	UC6040BL
busbar separation	600 mm	150 mm	UC1560BL
		200 mm	UC2060BL
		300 mm	UC3060BL
		400 mm	UC4060BL
		600 mm	UC6060BL
	800 mm	150 mm	UC1580BL
		200 mm	UC2080BL
		300 mm	UC3080BL
		400 mm	UC4080BL
		600 mm	UC6080BL



UC300FL

Description	Characteristics		Ref.
	depth	height	
Segregation part front lateral	400 mm	150 mm	UC150FL
	to	200 mm	UC200FL
	800 mm	300 mm	UC300FL
MCCB separation		400 mm	UC400FL
		600 mm	UC600FL

Segregation parts form 2b



UC3040FUL

Description	Characteristics		Ref.
	width	height	
Segregation part lateral full	400 mm	100 mm	UC1040FUL
		150 mm	UC1540FUL
		200 mm	UC2040FUL
		300 mm	UC3040FUL
		400 mm	UC4040FUL
busbar separation	600 mm	600 mm	UC6040FUL
		100 mm	UC1060FUL
		150 mm	UC1560FUL
		200 mm	UC2060FUL
		300 mm	UC3060FUL
		400 mm	UC4060FUL
600 mm	800 mm	600 mm	UC6060FUL
		100 mm	UC1080FUL
		150 mm	UC1580FUL
		200 mm	UC2080FUL
		300 mm	UC3080FUL
		400 mm	UC4080FUL
		600 mm	UC6080FUL

Segregation parts form 3b



UC6030V

Description	Characteristics		Ref.
	width	height	
Segregation part back vertical	350 mm	200 mm	UC3520V
MCCB separation	600 mm	150 mm	UC6015V
		200 mm	UC6020V
		300 mm	UC6030V
		400 mm	UC6040V
		600 mm	UC6060V
800 mm	800 mm	150 mm	UC8015V
		200 mm	UC8020V
		300 mm	UC8030V
		400 mm	UC8040V
		600 mm	UC8060V

Segregation parts form 4b



UC200CB









UC300C



UC600VD

Description	Characteristics		Ref.
	for height unit		
Downstream 4b connection box	200 mm	UC200CB	
	300 mm	UC300CB	
Segregation part back corner	200 mm	UC200C	
	300 mm	UC300C	
Segregation part front vertical	for width unit	350 mm	UC350VD
		600 mm	UC600VD
		800 mm	UC800VD
ensure segregation of MCCB kits against rear access - per 2 units			









	ACB HW 630 to 4000 A 	h1600 	h1000 	P630 	x630 	P250 	
see pages	24	24	24	25	25	26	
height							
Equipment width 350	150 mm	-	-	-	-	-	-
	200 mm	-	-	-	-	-	-
	300 mm	-	-	-	-	-	UC233PN (1x) (V) (F) (dir) UC233PWN (1x) (H) (DBO) (dir)
	400 mm	-	-	-	UC434PN (1x) (V) (F) (dir)	UC434XN (1x) (V) (F) (dir)	UC234PRN (1x) (V) (F) (dir) (diff)
	600 mm	-	-	-	UC436PRN (1x) (V) (F) (dir) (diff) UC436PWN (1x) (V) (DBO) (dir) (diff)	UC436XRN (1x) (V) (F) (dir) (diff)	-
Equipment width 600	150 mm	-	-	-	-	-	-
	200 mm	-	-	-	-	-	UC262PRN (1x) (H) (F) (dir) (diff) UC262PPN (1x) (H) (DCO) (dir)
	300 mm	-	-	-	UC463PRN (1x) (H) (F) (dir) (diff) UC463PPN (1x) (H) (DCO) (dir) UC463PWN (1x) (H) (DBO) (dir)	UC463XRN (1x) (H) (F) (dir) (diff)	UC263PN (2x) (V) (F) (dir) UC263PDN (3x) (V) (F) (dir) UC263PIN (2x) (V) (F) (dir) (verr) UC263PMN (2x) (V) (F) (mot) UC263PPN (2x) (V) (DCO) (dir) UC263PWN (2x) (V) (DBO) (dir)
	400 mm	-	-	UC564H (1x) (H) (F) (dir)	UC464PN (2x) (V) (F) (dir) UC464PMN (2x) (V) (F) (mot)	UC464XN (2x) (V) (F) (dir)	UC264PRN (2x) (H) (F) (dir) (diff)
	600 mm	UC766HW [2000 A] (1x) (V) (F) (DBO) (mot) (dir)	UC666H (1x) (V) (F) (dir) UC666HM (1x) (V) (F) (mot)	UC566H (1x) (V) (F) (dir) UC566HM (1x) (V) (F) (mot)	UC466PRN (2x) (V) (F) (dir) (diff) UC466PPN (2x) (V) (DCO) (dir) UC466PWN (2x) (V) (DBO) (dir)	UC466XRN (2x) (V) (F) (dir) (diff)	-
Equipment width 800	150 mm	-	-	-	-	-	-
	200 mm	-	-	-	-	-	UC282PRN (1x) (H) (F) (dir) (diff)
	300 mm	-	-	-	UC483PRN (1x) (H) (F) (dir) (diff) UC483PPN (1x) (H) (DCO) (dir)	UC483XRN (1x) (H) (F) (dir) (diff)	UC283PN (3x) (V) (F) (dir) UC283PIN (2x) (V) (F) (dir) (verr) UC283PMN (3x) (V) (F) (mot) UC283PPN (3x) (V) (DCO) (dir) UC283PWN (3x) (V) (DBO) (dir)
	400 mm	-	-	UC584H (1x) (H) (F) (dir)	UC484PDN (3x) (V) (F) (dir)	UC484XDN (3x) (V) (F) (dir)	-
	600 mm	- UC886HW [4000 A] (1x) (V) (F) (DBO) (mot) (dir)	UC686H (1x) (V) (F) UC686HM (1x) (V) (F) (mot) UC686HD (2x) (V) (F)	UC586H (1x) (V) (F) (dir) UC586HM (1x) (V) (F) (mot)	UC486PPN (3x) (V) (DCO) (dir) UC486PWN (3x) (V) (DBO) (dir)	-	-

Legend :

(1x) / (2x) / ... = maximum number of device per kit
(H) = horizontal installation
(V) = vertical installation

(F) = fixed version
(DCO) = plug-in system
(DBO) = withdrawable system

(mot) = with motor operator
(dir) = rotary handle and flush toggle
[.....] = In maximum A

x250	P160	x160	Load break switch with visible breaking HAE and HA	HA switches visual breaking	Manual changeover switch 20 to 1600 A	Motorized changeover switch	Mod. devices and terminals (with cover plates)
							
26	27	27	28	28	28	29	28
-	-	-	-	-	UC1530MD [HIM and HlxxxR modul. changeover 20 to 80 A]	-	UC1530MD [10 ■ cutouts for devices]
-	-	-	-	-	-	-	UC2035AMD [10 ■ for terminals]
UC233XH (1x) (V) (F) (dir)	UC133PN (1x) (V) (F) (dir)	UC133X (1x) (V) (F) (dir) (diff)	-	UC233HA [160 A to 250 A]	-	-	-
UC234XHR (1x) (V) (F) (dir) (diff)	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	UC1560MD [HIM and HlxxxR modul. changeover 20 to 80 A]	-	UC1560MD [24 ■ cutouts for devices]
UC262XHR (1x) (V) (F) (dir) (diff)	UC162PN (x1) (H) (F) (dir) UC162PPN (1x) (H) (DCO) (dir)	UC162X (1x) (H) (F) (dir)	UC2060MD [100 A to 200 A] (dir)	-	-	-	UC2060MD [24 ■ cutouts for devices] UC2060AMD [24 ■ for terminals]
UC263XH (x2) (V) (F) (dir)	UC163PN (x3) (V) (F) (dir) UC163PIN (x2) (V) (F) (dir) (verr) UC163PPN (x2) (V) (DCO) (dir)	UC163X (2x) (V) (F) (dir) (diff)	UC2060AMD + UC234 [250 A] (dir) (*)	UC263HA [160 A to 250 A]	UC163HI [Hlxxx 160 to 400 A] UC463HI [HI 630A]	UC163HIC [HICxxxA 63 to 160 A] UC463HIC [HIBxxxM / HICxxxG / HICxxxE 250 - 630 A]	-
UC264XHR (x1) (V) (F) (dir) (diff)	-	-	UC2060AMD + UC235 [250 A] (dir) (*)	-	-	-	-
-	-	-	-	UC466HA [400 A to 630 A] UC666HA [1600 A]	-	-	-
-	-	-	-	-	UC1580MD [HIM and HlxxxR modul. changeover. 20 to 80 A]	-	UC1580MD [36 ■ cutouts for devices]
UC282XHR (x1) (H) (F) (dir) (diff)	UC182PN (x1) (H) (F) (dir)	-	UC2080MD [100 A to 200 A]	-	-	-	UC2080MD [36 ■ cutouts for devices] UC2080AMD [36 ■ for terminals]
UC283XH (x3) (V) (F) (dir)	UC183PN (x4) (V) (F) (dir) UC183PIN (x2) (V) (F) (dir) (verr) UC183PPN (x3) (V) (DCO) (dir)	UC183X (3x) (V) (F) (dir) (diff)	UC2080AMD + UC244 [250 A] (dir) (*)	UC283HA [160 A to 250 A]	UC183HI [Hlxxx 160 to 400 A] UC483HI [HI 630 A]	UC183HIC [HICxxxA 63 to 160 A] UC483HIC [HIBxxxM / HICxxxG/ HICxxxE 250 to 630 A]	-
-	-	-	UC2080AMD + UC245 [250 A] (dir) (*)	-	-	-	-
-	-	-	-	UC486HA [400 A to 630 A] UC686HA [1600 A]	UC686HI [HI 800 to 1600 A]	UC686HIC [HI 800 to 1600 A]	-

(diff) = with RDC add-on block
(verr) = devices with mechanical interlock

(*) = specific arrangement, see more details in following pages

Equipment kits

for mounting ACBs
switch and circuit breaker
up to 4000 A.

for devices

- 3P / 4P
- fix / withdrawable
- vertical orientation.



UC766HW

Description

**Equipment kit for ACB HW
fixed or withdrawable**

kits are installed on horizontal side
brackets.

- ACB HW (frame A and B)
up to 2000 A

height
600 mm

Ref.
width
600 mm

UC766HW

Ref.
width
800 mm

-

- ACB HW (frame A and B)
up to 4000 A

height
600 mm

-

UC886HW

**Equipment kit for ACB HW1
fixed or withdrawable**

kits are installed on horizontal side
brackets.

- ACB HW1 up to 1600 A

height
600 mm

UC6040HW1

-

- ACB HW1 up to 1600 A

height
800 mm

-

UC8040HW1



UC6040HW1

**Equipment kit for h1600
fixed**

MCCB separation

Direct or rotative handle

- 1 device
- 2 devices

height
600 mm

UC666H

UC686H

height
600 mm

-

UC686HD

Motor operator

- 1 device

height
600 mm

UC666HM

UC686HM



UC666H

**Equipment kits
for MCCB h3 h1600**

for devices

- 3P / 4P
- fix
- vertical orientation.
- In maxi: 1600 A

**Equipment kit for h1000
fixed**

Direct or rotative handle

- 1 device horizontal installation
- 1 device vertical installation
- 2 devices vertical installation

height
400 mm

UC564H

UC584H

height
600 mm

UC566H

-

height
600 mm

-

UC586H

Motor operator

- 1 device vertical installation
- 2 devices vertical installation

height
600 mm

UC566HM

-

height
600 mm

-

UC586HM

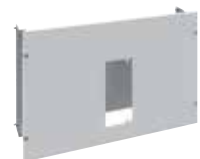


UC666HM

**Equipment kits
for MCCB h3 h1000**

for devices

- 3P / 4P
- fix
- In maxi: 1000 A



UC564H

Composition of the kits

- mounting plate
- front plate
- fixing accessories



UC566H

**MCCBs,
see general catalogue**

Equipment kit for MCCBs h3+ P630

for devices
- 3P / 4P
In maxi: 630 A

kits class I
convertible to class II
with the class II insulation
accessory



UC464PN



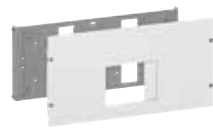
UC464PMN



UC463PRN



UC466PRN



UC463PPN



UC466PWN



UC464XN



UC466XRN

Equipment kit for MCCBs h3+ x630

for devices
- 3P / 4P
- In maxi: 630 A

Composition of the kits
- mounting plate
- front plate
- fixing accessories

Accessory class II
UC000XHP,
see page 29

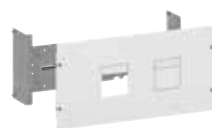
MCCBs P630 / x630,
see general catalogue

Description	Height	Ref. width 350 mm	Ref. width 600 mm	Ref. width 800 mm
Kit for P630 without add-on block fixed				
Direct or rotative handle - 1 device vertical	400 mm	UC434PN	-	-
- 1 or 2 devices vertical	400 mm	-	UC464PN	-
- 1 to 3 devices vertical	400 mm	-	-	UC484PDN
Motor operator - 1 or 2 devices vertical	400 mm	-	UC464PMN	-
Kit for P630 with or without add-on block, fixed				
Direct or rotative handle - 1 device horizontal	300 mm	-	UC463PRN	UC483PRN
- 1 device vertical	600 mm	UC436PRN	-	-
- 1 or 2 devices vertical	600 mm	-	UC466PRN	-
Kit for P630 without add-on block Plug-in system				
- 1 device horizontal	300 mm	-	UC463PPN	UC483PPN
- 1 or 2 devices vertical	600 mm	-	UC466PPN	-
- 1 to 3 devices vertical	600 mm	-	-	UC486PPN
Kit for P630 without add-on block withdrawable system				
- 1 device horizontal	300 mm	-	UC463PWN	-
- 1 device vertical	600 mm	UC436PWN	UC466PWN	-
- 1 to 2 devices vertical	600 mm	-	-	UC486PWN
Kit for x630 without add-on block. fixed				
direct or rotative handle - 1 device vertical	400 mm	UC434XN	-	-
- 1 or 2 devices vertical	400 mm	-	UC464XN	-
- 1 to 3 devices vertical	400 mm	-	-	UC484XDN
Kit for x630 with or without add-on block, fixed				
Direct or rotative handle - 1 device horizontal	300 mm	-	UC463XRN	UC483XRN
- 1 device vertical	600 mm	UC436XRN	-	-
- 1 or 2 devices vertical	600 mm	-	UC466XRN	-

Equipment kit for MCCBs h3+ P250

for devices
- 3P / 4P
- In maxi: 250 A

kits class I
convertible to class II with the
class II insulation accessory



UC263PN



UC263PIN



UC263PMN



UC262PRN



UC264PRN



UC262PPN



UC283PPN



UC263PWN

Accessories class II
UC000XHP,
see page 29

MCCBs,
see general catalogue

Description	Height	Réf. c ^{iale} larg. 350 mm	Réf. c ^{iale} larg. 600 mm	Réf. c ^{iale} larg. 800 mm
Kit for P250 without add-on block fixed				
Direct or rotative handle				
- 1 vertical device	300 mm	UC233PN	-	-
- 1 or 2 vertical devices	300 mm	-	UC263PN	-
- 1 to 3 vertical devices	300 mm	-	UC263PDN	UC283PN
- 1 to 4 vertical devices	300 mm	-	-	UC283PDN
Mechanical interlock				
- 2 vertical devices	300 mm	-	UC263PIN	UC283PIN
Motor operator				
- 1 or 2 vertical devices	300 mm	-	UC263PMN	-
- 1 to 3 vertical devices	300 mm	-	-	UC283PMN
Kit for P250 with or without add-on block, fixed				
Direct or rotative handle				
- 1 horizontal device	200 mm	-	UC262PRN	UC282PRN
- 1 vertical device	400 mm	UC234PRN	-	-
- 1 or 2 vertical devices	400 mm	-	UC264PRN	-
Kit for P250 without add-on block, Plug-in system				
- 1 horizontal device	200 mm	-	UC262PPN	-
- 1 or 2 vertical devices	300 mm	-	UC263PPN	-
- 1 to 3 vertical devices	300 mm	-	-	UC283PPN
Kit for P250 without add-on block, withdrawable system				
- 1 horizontal device	200 mm	-	UC262PWN	-
- 1 vertical device	300 mm	UC233PWN	-	-
- 1 vertical device	300 mm	-	UC263PWN	-
- 1 to 2 vertical devices	300 mm	-	-	UC283PWN
Kit for x250 without add-on block, fixed				
- 1 horizontal device	300 mm	UC233XH	-	-
- 1 or 2 vertical devices	300 mm	-	UC263XH	-
- 1 to 3 vertical devices	300 mm	-	-	UC283XH
Kit for x250 with or without add-on block, fixed				
- 1 horizontal device	200 mm	-	UC262XHR	UC282XHR
- 1 vertical device	400 mm	UC234XHR	-	-
- 1 or 2 vertical devices	400 mm	-	UC264XHR	-

Equipment kit for MCCBs h3+ P160

for devices

- 3P / 4P
- In maxi: 160 A



UC162PN



UC163PN



UC163PIN



UC183PPN

Equipment kit for MCCBs h3+ x160

for devices

- 3P / 4P
- In maxi: 160 A



UC163X



UC162X

Composition of the kits

- mounting plate
- front plate
- fixing accessories

MCCBs,
see general catalogue

Description	Height	Ref. width 350 mm	Ref. width 600 mm	Ref. width 800 mm
Kit for P160 without add-on block, fixed				
Direct or rotative handle				
- 1 horizontal device	200 mm	-	UC162PN	UC182PN
- 1 vertical device	300 mm	UC133PN	-	-
- 1 to 3 vertical devices	300 mm	-	UC163PN	-
- 1 to 4 vertical devices	300 mm	-	-	UC183PN
Mechanical interlock				
- 2 devices vertical	300 mm	-	UC163PIN	UC183PIN
Kit for P160 without add-on block, Plug-in system				
- 1 horizontal device	200 mm	-	UC162PPN	-
- 1 or 2 vertical devices	300 mm	-	UC163PPN	-
- 1 to 3 vertical devices	300 mm	-	-	UC183PPN
Kit for x160 with or without add-on block, fixed				
Direct or rotative handle				
- 1 vertical device with AOB	300 mm	UC133X	-	-
- 1 or 2 vertical devices without AOB	300 mm	UC133X	-	-
- 1 or 2 vertical devices with AOB	300 mm	-	UC163X	-
- 1 to 4 vertical devices without AOB	300 mm	-	UC163X	-
- 1 to 3 vertical devices with AOB	300 mm	-	-	UC183X
- 1 to 6 vertical devices without AOB	300 mm	-	-	UC183X
Kit for x160 without add-on block, fixed				
Direct or rotative handle				
- 1 horizontal device	200 mm	-	UC162X	-

Equipment kit for Load Break Switch from 100 to 400 A

* to be provided: depth adjustment of the DIN rail kit and drilling of the solid front plate for passage of the axis and control handle.



UC2060MD



UC235

Equipment kit for Load Break Switch with visual breaking from 125 to 1600 A

The mounting plate for the 160 and 250 A versions in 600 mm wide are equipped with a DIN rail to receive a set of distribution blocks.



UC233HA



UC666HA

Equipment kit for manual change-over switch from 63 to 1600 A



UC1530MD



UC463HI

Description	Height	Ref. width 350 mm	Ref. width 600 mm	Ref. width 800 mm
Kits for Load Break Switch with visible breaking from 100 to 400 A class I				
- for switch 100 to 200 A, direct handle	200 mm	-	UC2060MD	UC2080MD
- for switch 250 A, direct handle	300 mm	-	UC2060AMD + UC234*	UC2080AMD + UC244*
- for switch 400 A, direct handle	400 mm	-	UC2060AMD + UC235*	UC2080AMD + UC245*
Kits for Load Break Switch with visual breaking HA... from 125 to 1600 A class I				
- for switch 160 to 250 A direct handle	300 mm	UC233HA	UC263HA	UC283HA
- for switch 400 A to 630 A direct handle	600 mm	-	UC466HA	UC486HA
- for switch 1600 A direct handle	600 mm	-	UC666HA	UC686HA
Kits for manual change-over switch				
for device:				
- HIMxxx / HlxxxR (modular change-over switch 20 to 80 A)	150 mm	UC1530MD	UC1560MD	UC1580MD
- Hlxxx (change-over switch 160 to 400 A)	300 mm	-	UC163HI	UC183HI
- HI (change-over switch 630 A)	300 mm	-	UC463HI	UC483HI
- HI (change-over switch 800 to 1600 A)	600 mm	-	-	UC686HI

Change-over switch, see general catalogue

Kits for motorized change-over switches from 63 to 1600 A

Composition of the kits

- mounting plate
- front plate
- fixing accessories



UC163HI



UC463HIC



UC000XPH

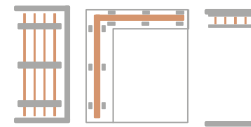
Description	Height	Ref. width 350 mm	Ref. width 600 mm	Ref. width 800 mm
Kits for motorized change-over switch				
for device:				
- HIC (change-over 63 to 160 A)	300 mm	-	UC163HIC	UC183HIC
- HIBxxxM / HICxxxG HICxxxE (change-over from 250 to 630 A)	300 mm	-	UC463HIC	UC483HIC
- HIBxxxM / HICxxxG HICxxxE (change-over from 800 to 1600 A)	600 mm	-	-	UC686HIC
Class II adaptation accessories for equipment kits				
set of 4 isolators transforms equipment kit from class I to class II		-	-	UC000XHP

Profile view				Front view		quadro evo	
		Copper bars		Width cabinets	450	700	
	In busbar	Cross section mm	Reference	Busbar support	Protective screen	Assembly for 1 support	
Flat busbars	160 A	12 x 5	KS72B KS72C		UC827	1x UC811 vertical mounting between 2x side uprights UC350FU + UC000FU	1x UC811 vertical mounting between 2x side uprights UC600FU + UC000FU
	250 A	20 x 5	UC832				
	400 A	30 x 5	UM30A1 UM30A2 UM30A5				
	630 A	30 x 10	UM30A4				
Inclined busbars	250 A	20 x 5	UC832		UC828	direct vertical mounting between 2x side uprights UC350FU + UC000FU	direct vertical mounting between 2x side uprights UC600FU + UC000FU
	400 A	32 x 5	UC842				
	630 A	30 x 10	UM30A4 UM30A5				
Staggered busbars	250 A	20 x 5	UC832		UC816	direct vertical mounting between 2x side uprights UC350FU + UC000FU	direct vertical mounting between 2x side uprights UC600FU + UC000FU
	400 A	32 x 5	UC842				

Connector accessories:

- distribution blocks, see page 42
- stepped distribution blocks from 80 to 160 A, see general catalogue
- flexible copper bars, see page 39

* tests carried out with commercial Cu bars, non-perforated for a maximum internal temperature of 35°C. For detailed information on busbars made in quadro evo, see the technical manual for the quadro evo system



quadro evo	In busbar	Copper bars			Phasing-distance	Busbar support	Support on structure	Flying support	Lower vertical busbar			
		Cross-section in mm	Qty of bars	Busbar material						Reference busbar		
Busbar with variable phasing-distance	500 A	50 x 5	1	Cu	UC844*	70 or 100 mm				UC000BB		
	630 A	63 x 5	1	Cu	UC922*							
	800 A	50 x 18.5	1	Alu	UC91880AL (lg 1,8 m) UC92080AL (lg 2.0 m)							
		80 x 5	1	Cu	UC966*							
	1000 A	100 x 5	1	Cu	UC967*							
	1250 A	60 x 18.5	1	Alu	UC918125AL (lg 1,8 m) UC920125AL (lg 2.0 m)							
		80 x 10	1	Cu	UC966E*							
	1600 A	100 x 18.5	1	Alu	UC918160AL (lg 1,8 m) UC920160AL (lg 2.0 m)							
		120 x 10	1	Cu	UC968E*							
	2000 A	80 x 10	2	Cu	UC966E*						125 mm	UC8210BB
	2500 A	100 x 10	2	Cu	UC967E*						150 mm	
	3200 A	100 x 10	3	Cu	UC967E*							
	4000 A	120 x 10	3	Cu	UC968E*							
					UC8310BB							

450	700	all
1x UC811 horizontal mounting on side uprights UC350FU + UC000FU	1x UC811 horizontal mounting on side uprights UC600FU + UC000FU	1x UC811 horizontal mounting on side uprights UC300FU (depth.400) UC500FU (depth.600) UC700FU (depth.800)
direct horizontal mounting on side uprights UC350FU + UC000FU	direct horizontal mounting on side uprights UC600FU + UC000FU	direct horizontal mounting on side uprights UC300FU (depth.400) UC500FU (depth.600) UC700FU (depth.800)
direct horizontal mounting on side uprights UC350FU + UC000FU	direct horizontal mounting on side uprights UC600FU + UC000FU	direct horizontal mounting on side uprights UC300FU (depth.400) UC500FU (depth.600) UC700FU (depth.800)

Flat busbar up to 630 A

For copper busbars

- 160 A, 12 x 5 mm
- 250 A, 20 x 5 mm
- 400 A, 30 x 5 mm
- 630 A, 30 x 10 mm



UC820

Inclined busbar up to 630 A

to be mounted alone behind the front plate.

Horizontal mounting

possible in enclosure width 450, 700 and 900 mm.

Vertical mounting

possible in enclosure width 450 mm.



UC826

For copper busbars

- 250 A, 20 x 5 mm
- 400 A, 30 x 5 mm
- 630 A, 30 x 10 mm

Sets of side bars 250 and 400 A to be composed

to be installed in the cable ducts of quadro evo enclosures



UC815

For copper bars

- 250 A, 20 x 5 mm
- 400 A, 32 x 5 mm

Icc / Ipk maxi : 35 / 74 kA

Description	Characteristics	Réf. c ^{iale}
<p>4P Support</p> <p>1 support includes 3 M6 screws and 2 pillars for protective screen</p>		UC820
<p>Protective screen</p> <p>to cut to the right dimensions</p>	<ul style="list-style-type: none"> - width : 294 mm - height : 990 mm 	UC827
<p>Inclined busbar</p> <p>4P support set of 2 with:</p> <ul style="list-style-type: none"> - 4 fixing parts - 8 cage nut - 16 M6 screws and 8 M8 screws - 4 pillars for protective screen 		UC826
<p>Protective screen, to be adapted in length</p>	<ul style="list-style-type: none"> - width : 212 mm - height : 990 mm 	UC828
<p>Set multi stage bars In 250 and 400 A to be composed</p> <ul style="list-style-type: none"> - 4P support 1 support 	delivered with 6 vis M6 and 2 cage nuts	UC815
<ul style="list-style-type: none"> - Kit protective screen including screws 	length 620 mm	UC816

Copper busbars, see page 34

Busbar

On edge up to 4000 A
with variable phase-spacing
(75, 100 or 150 mm).

for vertical and horizontal
busbar amounting in Quadro
evo enclosure

Comply with

NF EN 61439-1 and -2

The assembly of a support
is carried out by means of
dedicated brackets UCxxxBB.

For aluminium bars

- 800 A: 1 x 50 x 18,5 mm
- 1250A: 1 x 60 x 18,5 mm
- 1600A: 1 x 100 x 18,5 mm

For copper bars

- 500 A: 1 x 50 x 5 mm
- 630 A: 1 x 63 x 5 mm
- 800 A: 1 x 80 x 5 mm
- 1000 A: 1 x 100 x 5 mm
- 1250 A: 1 x 80 x 10 mm
- 1600 A: 1 x 120 x 10 mm
- 2000 A: 2 x 80 x 10 mm
- 2500 A: 2 x 100 x 10 mm
- 3200 A: 3 x 100 x 10 mm
- 4000 A: 3 x 120 x 10 mm

Busbars can be mounted in
several ways:
- vertical in cable duct
(L300, 450 mm)
- horizontally top, bottom or in
the middle of the enclosure



UC8110B



UC000BB



UC300BB



UC400BB



UC835XHP



UZ10GFR

Description	Characteristics	Ref.	
Busbar support kits	includes - 8 insulated supports, - fixing screws		
	- for 2 bars Cu (thickness 5 mm)	UC825BB	
	- for 1 bar Cu (thickness 10 mm) or Alu (thk. 18.5 mm)	UC8110BB	
	- for 2 bars Cu (thickness 10 mm) or Alu (thk. 18.5 mm)	UC8210BB	
	- for 3 bars Cu (thickness 10 mm) or Alu (thk. 18,5 mm)	UC8310BB	
Lower vertical busbar holder	set of 4 holders, to be mounted on a busbar bracket at the bottom of the enclosure		UC000BB
Description	Characteristics	Ref. support on structure	Ref. flying support
Busbar bracket	includes - 2 perforated profiles - 2 mounting brackets - 8 screws		
	- enclosure depth: 400 mm	UC300BB	UC400BB
	- enclosure depth: 600 mm	UC500BB	UC600BB
	- enclosure depth: 800 mm	UC700BB	UC800BB
Description	Characteristics	Length	Ref.
Isolator	set of 4 isolators for the intermediate support of the Cu bars		UC835XHP
Insulated profile	glass fiber insulated profile rectangular section 30 x 10 mm.	1000 mm	UZ10GFR
	Can be used as spacer for configurations involving more than one bar per phase	2000 mm	UZ20GFR

Copper bars

The choice of busbar supports depends on the bar cross section and their length.

The connection screws must be ordered separately.

Technical data For perforated bars

- In: mini 1049 A
maxi: 2144 A
(1 bar per phase)
- lcc: max 85 kA eff
- Ue: 1000 AC
- thickness: 5 or 10 mm
- height: mini 50 mm maxi: 120 mm
- lenght: 1750 mm
- current capacity (Iz) were calculated by testing at :
35°C ambient temperature
45°C for enclosure internal temperature
85°C for conductors temperature with an enclosure
IP degree over than 30 and with enclosure closed doors

KS72B



UC842



UC844



UC844E



UT88A



UT88C



UC851E

Description	Characteristics In	Length	Ref.	
Threaded copper bars	160 A - 12 x 5 mm, M5 tapped, delivered with screws	245 mm	KS72B	
		1000 mm	KS72C	
	250 A - 20 x 5 mm, M6 tapped	1000 mm	UC832	
		- 25 x 5 mm, M6 tapped	1750 mm	UT87E
	400 A - 32 x 5 mm, M6 tapped	1000 mm	UC842	
		1750 mm	UC843	
		- 30 x 5 mm, M6 tapped	280 mm	UM30A3
		430 mm	UM30A1	
		880 mm	UM30A2	
	Punched copper bars	500 A - 50 x 5 mm, M10	1750 mm	UC844
630 A - 30 x 10 mm, M6			430 mm	UM30A4
		880 mm	UM30A5	
- 63 x 5 mm, M10		1750 mm	UC922	
800 A - 80 x 5 mm, M10		1750 mm	UC966	
		1000 A - 100 x 5 mm, M10	1750 mm	UC967
- 50 x 10 mm, M10			1750 mm	UC844E
1250 A : - 60 x 10 mm, M10		1750 mm	UC922E	
		- 80 x 10 mm, M10	1750 mm	UC966E
		- 125 x 5 mm, M10	1750 mm	UC968
1600 A : - 100 x 10 mm, M10		1750 mm	UC967E	
		2000 A : - 120 x 10 mm, M10	1750 mm	UC968E
Single and double brackets			- single bracket, for copper busbar	25 x 5 mm
	5 x 50 mm	UT88B		
	- double bracket, for copper busbar	25 x 5 mm	UT88C	
		5 x 50 mm	UT88D	
Screws for tapped busbar (screws + washers)	- M6 x 12 with washers for tapped busbar		UC851	
	- M8 x 30 with washers for tapped busbar		UC853	
	- M10 x 30 with washers		UC855	

Screws

The connecting screws are to be ordered separately for bars from 250 to 2000 A..

Aluminium busbars

Aluminium bars are mounted on holders for 10mm copper bars.

Technical data

- In maxi: 1600 A (1 bar per phase)
 - Icc: max 85 kA eff
 - Ue: 1000 AC
- The current capacity (Iz) were calculated by testing at : 35 °C for ambient temperature



UC9188AL

Connection plate

The connectors allow the connection of the aluminum bars between them. They are used to manage the extension or derivation of bars. Use specific connection screws for mounting.



UC9160C



UC9125T

Connection screws

The connection screws have a specific geometry. They are locked by 1/4 turn in the grooves of the profiled aluminum bars thanks to the spring loaded ball.



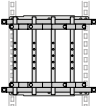
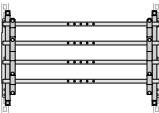
UC9825S

Description	Characteristics In	Length	Ref
Aluminium busbars	800 A - 50 x 18,5 mm	1800 mm	UC91880AL
		2000 mm	UC92080AL
	1250 A - 60 x 18,5 mm	1800 mm	UC918125AL
		2000 mm	UC920125AL
	1600 A - 100 x 18,5 mm	1800 mm	UC918160AL
		2000 mm	UC920160AL
Copper connection plates for aluminium bars	connection plate for bars : - 800 A		UC9800C
		- 1250 A	UC9125C
		- 1600 A	UC9160C
	derivation plate for bars: - 800 A		UC9800T
		- 1250 A	UC9125T
		- 1600 A	UC9160C
Screws for aluminium bars	content: bag of 50 (screw + nut + washer)		
	Hammerhead screws zinc plated steel class 8.8	- M8 x 25 mm for thickness to tighten 5 mm	UC9825S
- M8 x 40 mm for thickness to tighten 10 mm		UC9840S	

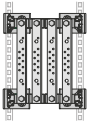
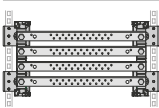
Busbar holders, see page 32

Busbars short-circuits withstand capacity

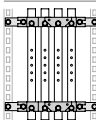
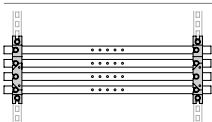
Flat busbars

Vertical mounting	Nominal current	Bar cross section (mm)	bars supports max. distance depending on short-circuit current (mm) *					
			10 / 17 kA	15 / 30 kA	20 / 40 kA	25 / 53 kA	30 / 63 kA	35 / 74 kA
 UC820	160 A	12 x 5	1000	475	-	-	-	-
	250 A	20 x 5	1000	1000	950	650	425	
	400 A	30 x 5	1000	1000	1000	850	550	375
	630 A	30 x 10	1000	1000	1000	1000	900	625
Horizontal mounting	Nominal current	Bar cross section (mm)	bars supports max. distance depending on short-circuit current (mm) *					
			250 mm			500 mm		
 UC820	160 A	12 x 5	10 / 20 kA			9 / 15 kA		
	250 A	20 x 5	18 / 35 kA			15 / 30 kA		
	400 A	30 x 5	21 / 45 kA			17 / 34 kA		
	300 A	30 x 10	26 / 55 kA			21 / 45 kA		

Inclined busbars

Vertical mounting	Nominal current	Bar cross section (mm)	bars supports max. distance depending on short-circuit current (mm) *					
			10 / 17 kA	15 / 30 kA	20 / 40 kA	25 / 53 kA	30 / 63 kA	35 / 74 kA
 UC826	250 A	20 x 5	1000	1000	1000	825	650	425
	400 A	30 x 5	1000	1000	1000	1000	925	625
	630 A	30 x 10	1000	1000	1000	1000	925	650
Horizontal mounting	Nominal current	Bar cross section (mm)	short-circuit current* depending on width of cabinets					
			250 mm			500 mm		
 UC826	250 A	20 x 5	35 / 74 kA			35 / 74 kA		
	400 A	30 x 5	45 / 94 kA			35 / 74 kA		
	630 A	30 x 10	45 / 94 kA			35 / 74 kA		

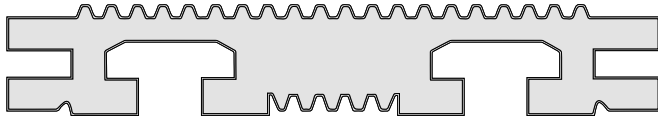
Set multi stage bars

Vertical mounting	Nominal current	Bar cross section (mm)	bars supports max. distance depending on short-circuit current (mm) *					
			10 / 17 kA	15 / 30 kA	20 / 40 kA	25 / 53 kA	30 / 63 kA	35 / 74 kA
 UC815	250 A	20 x 5	1000	1000	925	725	575	-
	400 A	32 x 5	1000	1000	875	650	500	375
Horizontal mounting	Nominal current	Bar cross section (mm)	bars supports max. distance depending on short-circuit current (mm) *					
			250 mm			500 mm		
 UC815	250 A	20 x 5	35 / 74 kA			35 / 74 kA		
	400 A	32 x 5	40 / 85 kA			34 / 72 kA		

*efficace / crête (lcc / lpk en kA)

Aluminium Busbars system

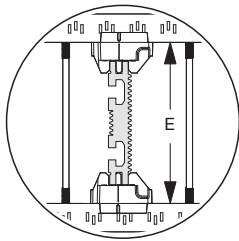
Selection of aluminum bars according to the current



Aluminium non perforated

Depth of the enclosure (mm) 400 / 600 / 800 mm	Up to 1600 A		
Admissible current*	800 A	1250 A	1600 A
Size of the bars (mm)	50x18,5	60x18,5	00x18,5
Qty of bars per phase	1	1	1

* The current capacity (Iz) were calculated by testing at :
35 °C for ambient temperature



In	E	F
≤ 1250	80	125
>1250	105	175

Aluminium Busbar

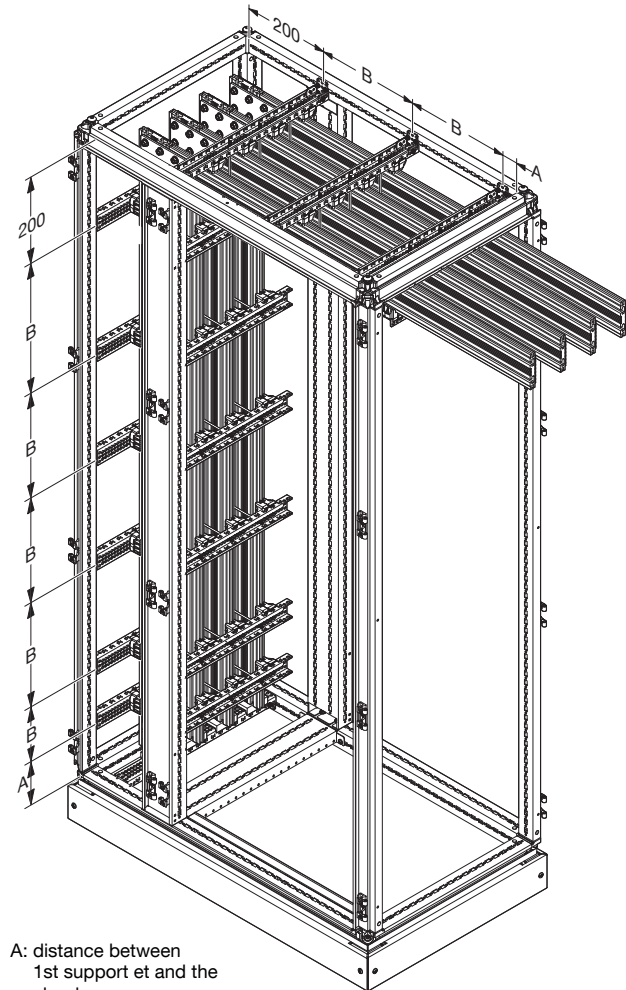
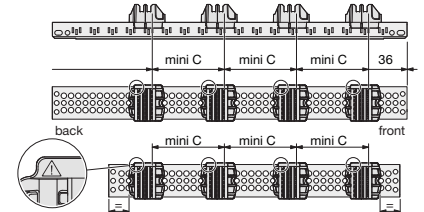
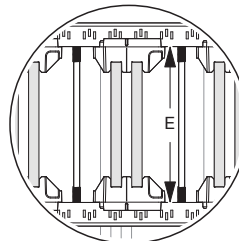
Distance phase to phase and distance between busbar supports

Current IP31/IP55	Enclosure depth= D	Icw 1s/kA	Ipk / kA	A	B	C
				mm max.		
800	400	40	84	150	300	70
800	400	35	73,5	150	300	70
800	400	30	63	150	300	70
800	400	25	52,5	150	300	70
800	400	15	30	150	300	70
1250	400	52	114,4	150	300	70
1250	400	40	84	150	300	70
1250	400	35	73,5	150	300	70
1250	400	30	63	150	300	70
1250	400	25	52,5	150	300	70
1250	400	15	30	150	300	70
1600	400	70	154	125	250	70
1600	400	65	143	125	250	70
1600	400	52	114,4	125	250	70
1600	400	40	84	125	250	70
1600	400	35	73,5	125	250	70
1600	400	30	63	125	250	70
1600	400	25	52,5	125	250	70
1600	400	15	30	125	250	70
800	600/800	40	84	150	300	100
800	600/800	35	73,5	150	300	100
800	600/800	30	63	150	300	100
800	600/800	25	52,5	150	300	100
800	600/800	15	30	150	300	100
1250	600/800	52	114,4	150	300	100
1250	600/800	40	84	150	300	100
1250	600/800	35	73,5	150	300	100
1250	600/800	30	63	150	300	100
1250	600/800	25	52,5	150	300	100
1250	600/800	15	30	150	300	100
1600	600/800	70	154	125	250	100
1600	600/800	65	143	125	250	100
1600	600/800	52	114,4	125	250	100
1600	600/800	40	84	125	250	100
1600	600/800	35	73,5	125	250	100
1600	600/800	30	63	125	250	100
1600	600/800	25	52,5	125	250	100
1600	600/800	15	30	125	250	100

Copper Busbar system

Selection of copper bars according to the current

Depth of the enclosure (mm) 400 / 600 / 800	Up to 1600 A					
Admissible current*	500 A	630 A	800 A	1000 A	1250 A	1600 A
Size of the bars (mm)	50x5	63x5	80x5	100x5	80x10	120x10
Qty of bars per phase	1	1	1	1	1	1
Depth 800 mm	Up to 4000 A					
Admissible current*	IP ≤ 31	2000 A	3200 A	3200 A	4000 A	
	IP > 31	1700 A	2125 A	2720 A	3400 A	
Size of the bars (mm)		8x10	100x10	100x10	120x10	
Qty of bars per phase		2	2	3	3	



A: distance between 1st support et and the structure
B: distance between supports
C: distance phase to phase

Copper Busbar

Distance phase to phase and distance between busbar supports

Enclosure depth 400 mm

Current IP31/IP55	Enclosure depth= D	Bars	lcw / 1s/kA	lpk / kA	A	B	C
					mm max.		
500	400	50x5 x1	40	84	100	225	70
500	400	50x5 x1	35	73,5	100	225	70
500	400	50x5 x1	30	63	100	225	70
500	400	50x5 x1	25	52,5	125	275	70
500	400	50x5 x1	15	30	225	475	70
600	400	63x5 x1	52	114,4	100	225	70
600	400	63x5 x1	40	84	100	225	70
600	400	63x5 x1	35	73,5	110	225	70
600	400	63x5 x1	30	63	125	250	70
600	400	63x5 x1	25	52,5	150	300	70
600	400	63x5 x1	15	30	225	525	70
800	400	80x5 x1	65	143	100	225	70
800	400	80x5 x1	52	114,4	100	225	70
800	400	80x5 x1	40	84	100	225	70
800	400	80x5 x1	35	73,5	125	250	70
800	400	80x5 x1	30	63	150	300	70
800	400	80x5 x1	25	52,5	175	350	70
800	400	80x5 x1	15	30	225	600	70
1000	400	100x5 x1	65	143	100	225	70
1000	400	100x5 x1	52	114,4	100	225	70
1000	400	100x5 x1	40	84	125	250	70
1000	400	100x5 x1	35	73,5	125	275	70
1000	400	100x5 x1	30	63	150	325	70
1000	400	100x5 x1	25	52,5	200	400	70
1000	400	100x5 x1	15	30	325	675	70
1250	400	80x10 x1	85	187	100	225	70
1250	400	80x10 x1	75	165	100	225	70
1250	400	80x10 x1	70	154	125	250	70
1250	400	80x10 x1	65	143	125	275	70
1250	400	80x10 x1	52	114,4	175	350	70
1250	400	80x10 x1	40	84	225	450	70
1250	400	80x10 x1	35	73,5	250	500	70
1250	400	80x10 x1	30	63	300	600	70
1250	400	80x10 x1	25	52,5	350	725	70
1250	400	80x10 x1	15	30	425	850	70
1600	400	120x10 x1	85	187	100	225	70
1600	400	120x10 x1	75	165	125	275	70
1600	400	120x10 x1	70	154	150	300	70
1600	400	120x10 x1	65	143	150	325	70
1600	400	120x10 x1	52	114,4	200	425	70
1600	400	120x10 x1	40	84	275	550	70
1600	400	120x10 x1	35	73,5	300	625	70
1600	400	120x10 x1	30	63	350	725	70
1600	400	120x10 x1	25	52,5	425	850	70
1600	400	120x10 x1	15	30	425	850	70

Enclosure depth 600 mm

Current IP31/IP55	Enclosure depth= D	Bars	lcw / 1s/kA	lpk / kA	A	B	C
					mm max.		mini.
630	600	63x5 x1	52	114,4	110	225	100
630	600	63x5 x1	40	84	125	250	100
630	600	63x5 x1	35	73,5	150	300	100
630	600	63x5 x1	30	63	175	350	100
630	600	63x5 x1	25	52,5	200	427	100
630	600	63x5 x1	15	30	350	700	100
800	600	80x5 x1	65	143	100	225	100
800	600	80x5 x1	52	114,4	100	225	100
800	600	80x5 x1	40	84	150	300	100
800	600	80x5 x1	35	73,5	150	325	100
800	600	80x5 x1	30	63	200	400	100
800	600	80x5 x1	25	52,5	225	475	100
800	600	80x5 x1	15	30	400	800	100
1000	600	100x5 x1	85	187	100	225	100
1000	600	100x5 x1	75	165	100	225	100
1000	600	100x5 x1	70	154	100	225	100
1000	600	100x5 x1	65	143	100	225	100
1000	600	100x5 x1	52	114,4	125	250	100
1000	600	100x5 x1	40	84	150	325	100
1000	600	100x5 x1	35	73,5	175	375	100
1000	600	100x5 x1	30	63	225	450	100
1000	600	100x5 x1	25	52,5	250	525	100
1000	600	100x5 x1	15	30	425	850	100
1250	600	80x10 x1	85	187	150	300	100
1250	600	80x10 x1	75	165	150	325	100
1250	600	80x10 x1	70	154	150	325	100
1250	600	80x10 x1	65	143	175	375	100
1250	600	80x10 x1	52	114,4	175	350	100
1250	600	80x10 x1	40	84	225	450	100
1250	600	80x10 x1	35	73,5	250	500	100
1250	600	80x10 x1	30	63	300	600	100
1250	600	80x10 x1	25	52,5	350	725	100
1250	600	80x10 x1	15	30	425	850	100
1600	600	120x10 x1	85	187	175	350	100
1600	600	120x10 x1	75	165	175	375	100
1600	600	120x10 x1	70	154	175	375	100
1600	600	120x10 x1	65	143	225	450	100
1600	600	120x10 x1	52	114,4	275	575	100
1600	600	120x10 x1	40	84	350	725	100
1600	600	120x10 x1	35	73,5	425	850	100
1600	600	120x10 x1	30	63	425	850	100
1600	600	120x10 x1	25	52,5	425	850	100
1600	600	120x10 x1	15	30	425	850	100

Enclosure depth 800 mm

Current IP31/IP55	Enclosure depth= D	Bars	lcw / 1s/kA	lpk / kA	A	B	C
					mm max.		mini.
2000/1700	800	80x10 x2	85	187	150	325	125
2000/1700	800	80x10 x2	75	165	150	325	125
2000/1700	800	80x10 x2	70	154	175	350	125
2000/1700	800	80x10 x2	65	143	175	375	125
2000/1700	800	80x10 x2	52	114,4	225	475	125
2000/1700	800	80x10 x2	40	84	300	625	125
2000/1700	800	80x10 x2	35	73,5	350	700	125
2000/1700	800	80x10 x2	30	63	400	825	125
2000/1700	800	80x10 x2	25	52,5	425	850	125
2000/1700	800	80x10 x2	15	30	425	850	125
2500/2125	800	100x10 x2	85	187	150	325	150
2500/2125	800	100x10 x2	75	165	175	375	150
2500/2125	800	100x10 x2	70	154	200	400	150
2500/2125	800	100x10 x2	65	143	225	450	150
2500/2125	800	100x10 x2	52	114,4	275	550	150
2500/2125	800	100x10 x2	40	84	350	725	150
2500/2125	800	100x10 x2	35	73,5	400	825	150
2500/2125	800	100x10 x2	30	63	425	850	150
2500/2125	800	100x10 x2	25	52,5	425	850	150
2500/2125	800	100x10 x2	15	30	425	850	150
3200/2720	800	100x10 x3	85	187	200	400	150
3200/2720	800	100x10 x3	75	165	225	475	150
3200/2720	800	100x10 x3	70	154	225	475	150
3200/2720	800	100x10 x3	65	143	275	550	150
3200/2720	800	100x10 x3	52	114,4	325	675	150
3200/2720	800	100x10 x3	40	84	425	850	150
3200/2720	800	100x10 x3	35	73,5	425	850	150
3200/2720	800	100x10 x3	30	63	425	851	150
3200/2720	800	100x10 x3	25	52,5	425	852	150
3200/2720	800	100x10 x3	15	30	425	853	150
4000/3400	800	120x10 x3	85	187	200	400	150
4000/3400	800	120x10 x3	75	165	225	475	150
4000/3400	800	120x10 x3	70	154	225	475	150
4000/3400	800	120x10 x3	65	143	275	625	150
4000/3400	800	120x10 x3	52	114,4	325	775	150
4000/3400	800	120x10 x3	40	84	425	850	150
4000/3400	800	120x10 x3	35	73,5	425	850	150
4000/3400	800	120x10 x3	30	63	425	850	150
4000/3400	800	120x10 x3	25	52,5	425	850	150
4000/3400	800	120x10 x3	15	30	425	850	150

Flexible copper bars

To carry out connections between incoming devices and distribution system

* admissible current (Iz) calculated on the basis of an internal temperature of 40°C and conductors of 90°C.



UM92Y

Description	Characteristics	Length	Ref.
Flexible copper bars to connect MCCBs, switches to the busbar	section 20 x 2 mm *In maxi 160 / 200 A	2 m	UM92X
	section 20 x 3 mm 250 A	2 m	UM92Y
	section 32 x 4 mm 400 A	2 m	UM92Z
	section 24 x 5 mm 500 A	2 m	UM92ZE
	section 32 x 6 mm 630 A	2 m	UM92W
	section 24 x 8 mm 630 A	2 m	UM92WE
	section 40 x 6 mm 800 A	2 m	UM92V
	section 40 x 8 mm 1000 A	2 m	UM92VE

Cable management accessories

Several systems allow to manage the cable trunking, as well as the connections in quadro enclosures:
- vertical slotted trunking
- horizontal slotted trunking
- cable guides.



UC916



UC915



UZ25V1

UZ25V2



UC01V1



JP024

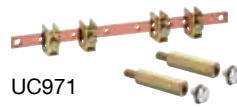


JE003

Description	Characteristics			Ref.	
	height	width	length		
Slotted trunking with cover	vertical	80 mm	60 mm	2000 mm	UC916
	horizontal	80 mm	30 mm	250 mm	UC911
				500 mm	UC912
For halogen free, see general catalogue			700 mm	UC913	
Fixing support	for horizontal trunking			UC915HS	
Cable straps	includes : 20 pieces				
			large volume section 2200 mm ²	UZ25V1	
			small volume section 1600 mm ²	UZ25V2	
Cable guides	includes : 20 pieces			UZ01V1	
to fix the cable straps on DIN rails					
Blanking strips			length 24 ■	JP024	
Marking strips	includes : adhesive transparent label holder and marking strip		length 10 ■	JE001	
			length 24 ■	JE003	

Incoming earth terminal blocks

to mount on supplied 80 mm spacers



UC971

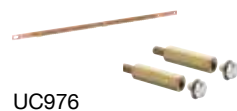


K070

K074

Outgoing connectors for PE conductors

to mount on supplied 80 mm spacers, possibility to add quickconnect terminals, see general catalogue.



UC976

Caution: connectors UC975S and UC976S have no equipotential connection with the structures of the enclosure.



UC992

Mounting rail

for terminal blocks vertical or horizontal mounting. Length 2 m.



A099



A099E



A099C



A099D



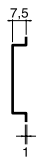
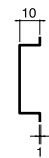


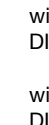

UC990



UC991



UC821

Description	Characteristics	Ref.
Incoming earth terminal blocks	can be completed with the staples below, section 16 to 95 mm ² K07X	width : 250 mm UC971
		width : 500 mm UC972
Staples for above terminal blocks	Cable section:	16 mm ² K070
		35 mm ² K071
		70 mm ² K073
		95 mm ² K074
Outgoing connectors, with screw for PE conductors connection	includes: - support (1 x 35 mm ² - 11 x 16 mm ² - 13 x 10 mm ²) - 2 nuts + 2 screws - + spacers	width : 250 mm UC975
		width : 500 mm UC976
Outgoing connectors, quickconnect for PE conductors connection	includes: - 1 DIN rail - support KN00A - terminal block KN26E - 2 nuts + 2 screws - 2 decked terminals for UC976S	width : 250 mm UC975S
		width : 500 mm UC976S
Metal spacer	height : 80 mm M6 screw 1 set includes 2 pieces	UC992
Symmetrical DIN rails DIN 46277 / 3 width 35 mm		depth: 7,5 mm A08800
		depth: 10 mm A09800
		depth: 15 mm A09900
Symmetrical perforated DIN rails		width 15 mm DIN 46277 / 2 depth: 5 mm A099E
		width 35 mm DIN 46277 / 3 depth: 5 mm A099B
DIN rail for structure		width 250 mm depth: 15 mm A099C
Sliding screw M6	for rail A099C 1 set includes 6 pieces	A099D
Cage nuts M6	for rail A099C 1 set includes 25 pieces	UC990
Vis M6	- M6 x 12 - M6 x 10	UC991 UC856E
	1 set includes 25 pieces	
Mounting brackets		UC821

Single pole distribution block

- monoblocs, insulated, grey color,
- clip fixing on mounting plate DIN rail of the main devices kit
- Ui: 500 V - 50 Hz
- Delivered with fixing screws.

Connection capacity

KJ02DN

- flexible / rigid wire
- 2 x 6 to 35mm² / 2 x 10 to 35mm²
 - 1 x 1,5 to 16mm² / 2 x 2,5 to 16mm²
 - 6 x 1,5 to 16mm² / 6 x 1,5 to 16mm²

KJ02CN

- flexible / rigid wire
- 2 x 6 to 50mm² / 2 x 25 à 70mm²
 - 3 x 1,5 to 16mm² / 3 x 2,5 à 25mm²
 - 8 x 1,5 to 10mm² / 8 x 1,5 à 16mm²

KJ02AN

- flexible / rigid wire
- 1 x 25 to 90mm² / 1 x 35 to 120mm²
 - 1 x 1,5 to 35mm² / 1 x 1,5 to 50mm²
 - 4 x 1,5 to 10mm² / 4 x 1,5 to 16mm²
 - 8 x 1,5 to 16mm² / 8 x 2,5 to 25mm²

KJ02B

- incoming: 1 x 150mm²
- outgoing: 2 x 25mm² + 5 x 16 mm² + 4 x 10mm²

Multi-plug 4P repartitors

250 A

- bridging of all types of equipments 2, 3, 4 poles placed on the same DIN rail,
- facilitate phases balancing,
- incoming connection by 4 screw ranges,
- outgoing connection by insulated flexible connectors with automatic lock.

Delivered with

- 6 blue insulated wire connectors H07 V-K, 6 x 6mm² (blue) and 12 x 6mm² (black),
- 12 black insulated wire connectors H07 V-K: 6 x 6 mm² (blue) et 12 x 6mm² (black),
- 2 quadro mounting legs



KJ02B



KJ03A



KZ007

Description	Characteristics In	Length	Ref.
Single pole distribution blocks	125 A Ipk : 25 kA Icw : 4,2 kA - 1 s	1,5 ■	KJ02DN
	160 A Ipk : 36 kA Icw : 8,4 kA - 1 s	2 ■	KJ02CN
	250 A Ipk : 60 kA Icw : 14,4 kA - 1 s	2,5 ■	KJ02AN
	400 A Ipk : 51 kA Icw : 21 kA - 1s	2,5 ■	KJ02B
Multi-plug 4P repartitors	60 connection points per pole sections: 6mm ² and 10mm ² acceptable In under 40 °C : - per pole: 250 A, - 40 A with connector 6 mm ² - 63 A with connector 10mm ² Ipk : 60 kA Icw : 10 kA - 1s Un : 500 V ~ - 50 Hz	without connectors	KJ03A
		with connectors	KJ03B
Connectors (end)	to clip 6 mm ² flexible wire		KZ007

Description	In	Section	Ref.	Ref.
			bleu	noir
Connectors	40 A	6mm ² L: 120 mm	KZ001	KZ002
	for multi-plug repartitors 250 A	40 A	6mm ² L: 120 mm	KZ051
flexible connectors insulated wire serial H07 V-K	63 A	10mm ² L: 120 mm	KZ004	KZ005
	63 A	10mm ² L: 120 mm	KZ074	KZ075

Forced ventilation accessories

to create forced ventilation when indoor temperature exceeds a set limit.

Their use is left to discretion of the designer. The qualification tests were carried out without these accessories with natural ventilation.



FL210Z



FL220Z



FL259Z

Description	Characteristics	Ref.
Ventilating fans		
	230 V - 20 W - 57 m ³ /h 150 x 150 x 64 mm cutting / screw 125 x 125 / 131 x 131 mm	FL210Z
RAL 7035 IP54 fixing with 4 screws	230 V - 20 W - 115 m ³ /h 250 x 250 x 105 mm cutting / screw 223 x 223 / 230 x 230 mm	FL212Z
	230 V - 32 W - 190 m ³ /h 250 x 250 x 113 mm cutting / screw 223 x 223 / 230 x 230 mm	FL214Z
	230 V - 67 W - 520 m ³ /h 325 x 325 x 152 mm cutting / screw 291 x 291 / 302 x 302 mm	FL216Z
Air vents with filters		
IP54 clamping fixing	150 x 150 x 28 mm cutting 125 x 125 mm	FL220Z
	250 x 250 mm cutting 223 x 223 mm	FL224Z
	325 x 325 mm cutting 291 x 291 mm	FL226Z
Fan filters		
	150 x 150 mm	FL230Z
	250 x 250 mm	FL234Z
	325 x 325 mm	FL236Z
Thermostat pour ventilating fans	settings -10 to +80°C 1 contact NO	FL259Z

Get ahead of the design.



3D visualisation becomes more accurate and complete.

01 Flexibility



Specify the assembly characteristic and the new panel board configurator offers you consistent and verified solutions.

02 Speed



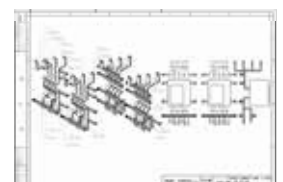
Pre-configured assemblies speed up the work.

03 Simplicity



The equipment kit configurator finds the required kit and all the needed parts according the selected options.

04 Security



Copper links drawings between main switchgear and busbar are available in hagercad. Exact, compliant to all standards and fully documented.



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