

Boards and floor standing enclosures quadro4

Multiple and easy combinations

The quadro4 boards and floor standing enclosures are designed for an easy assembling using 3 basic elements: back plate, sides and top and base panels or top panel and plinth.

The vertical and horizontal combination of elements makes it possible to build “tailor made” enclosures for most requirements up to 630A.

Thanks to slim packaging, storage and transport are optimized.



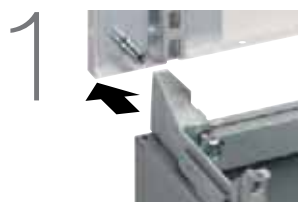
Your benefits

- Easy cabling thanks to a full accessibility to the whole enclosure
- Complete solution from enclosures to low voltage boards up to 630A.

Technical characteristics

- Metal enclosures, class I, delivered in kit.
- Height : 500 to 1850 mm.
- Depth : 267 mm.
- Width : 370 and 620 mm.
- Protection class : IP 30 – IP 40 – IP 43.

Expert tips



Pre-mounted screws
Screws and pillars are pre-mounted on the basic elements.



Doors mounting
Without any tool or screw.



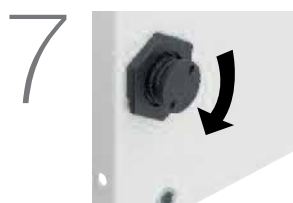
Sides mounting
Mounting guides on top and bottom elements facilitate the sides mounting.



Wall mounting
Equipped with fixing points and central fixing point.



Horizontal association kit
Composed of 2 screws, 2 connection clamps and 1 support for central front plate.



Mounting on irregular wall
Adjustable stops on the back.



Vertical association kit
Composed of 2 screws and 2 pillars.

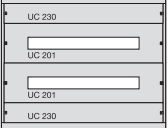
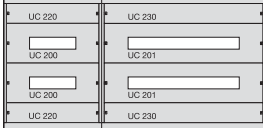
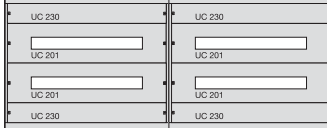
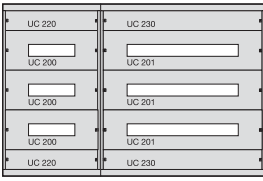
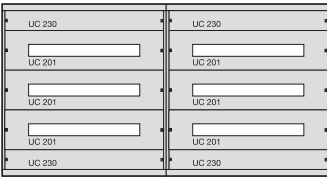
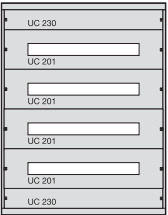
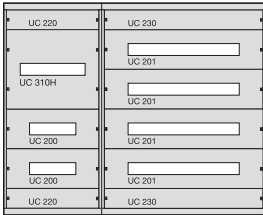
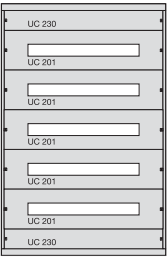
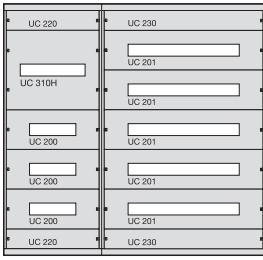
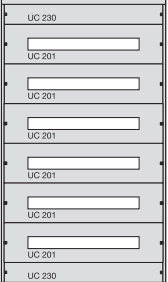
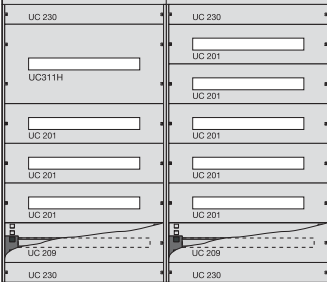
260 mm depth		Back plate	Top and bottom panels	Top panel and plinth	Sides (set of 2)			
			 IP40 and IP43	 IP40 and IP43				
enclosures height with top and plinth	inside height capacity	ref. for enclosure width:		ref. for enclosure width:		ref. for enclosure width:		ref.
-	150 mm	-	-	-	-	-	-	-
500 mm	450 mm	FC110	FC210	FC415 <i>FC416</i>	FC425 <i>FC426</i>	FC445 <i>FC446</i>	FC455 <i>FC456</i>	FC010
650 mm	600 mm	FC111	FC211	FC415 <i>FC416</i>	FC425 <i>FC426</i>	FC445 <i>FC446</i>	FC455 <i>FC456</i>	FC011
800 mm	750 mm	FC112	FC212	FC415 <i>FC416</i>	FC425 <i>FC426</i>	FC445 <i>FC446</i>	FC455 <i>FC456</i>	FC012
950 mm	900 mm	FC113	FC213	FC415 <i>FC416</i>	FC425 <i>FC426</i>	FC445 <i>FC446</i>	FC455 <i>FC456</i>	FC013
1100 mm	1050 mm	FC114	FC214	FC415 <i>FC416</i>	FC425 <i>FC426</i>	FC445 <i>FC446</i>	FC455 <i>FC456</i>	FC014
1250 mm	1200 mm	FC115	FC215	FC415 <i>FC416</i>	FC425 <i>FC426</i>	FC445 <i>FC446</i>	FC455 <i>FC456</i>	FC015
1400 mm	1350 mm	FC116	FC216	FC415 <i>FC416</i>	FC425 <i>FC426</i>	FC445 <i>FC446</i>	FC455 <i>FC456</i>	FC016
1550 mm	1500 mm	-	-	-	-	-	-	-
1700 mm	1650 mm	FC118	FC218	FC415 <i>FC416</i>	FC425 <i>FC426</i>	FC445 <i>FC446</i>	FC455 <i>FC456</i>	FC012 + FC013
1850 mm	1800 mm	FC119	FC219	FC415 <i>FC416</i>	FC425 <i>FC426</i>	FC445 <i>FC446</i>	FC455 <i>FC456</i>	2 x FC013

ref. in italic = IP43

		Plain door		Transparent door		Assembling kits	
		delivered with keylock		delivered with keylock		horizontal	vertical
Doors height		ref. for enclosure width: 370 mm 620 mm		ref. for enclosure width: 620 mm	ref. width: 620 mm	ref.	ref.
150 mm		- -		-	FC 350	-	-
450 mm		FC310 FC330		FC340	-	FC120	FC230
600 mm		FC311 FC331		FC341	-	FC121	FC230
750 mm		FC312 FC332		FC342	-	FC122	FC230
900 mm		FC313 FC333		FC343	-	FC123	FC230
1050 mm		FC314 FC334		FC344	-	FC124	FC230
1200 mm		FC315 FC335		FC345	-	FC125	FC230
1350 mm		FC316 FC336		FC346	-	FC126	FC230
1500 mm		FC317 FC337		FC347	-	-	-
1650 mm		FC318 FC338		FC348	-	FC122 + FC123	FC230
1800 mm		FC319 FC339		FC349	-	2 x FC123	FC230

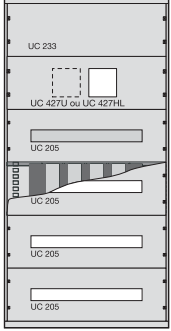
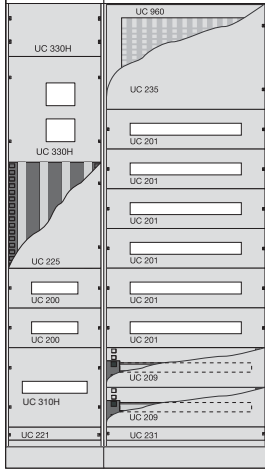
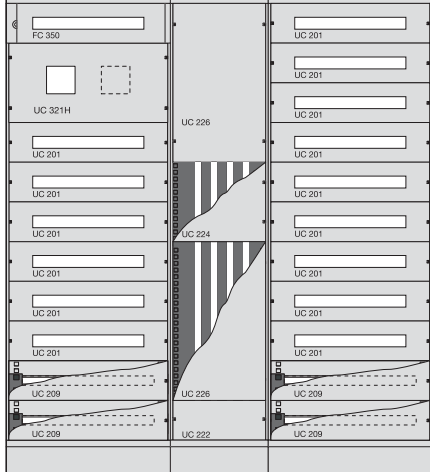
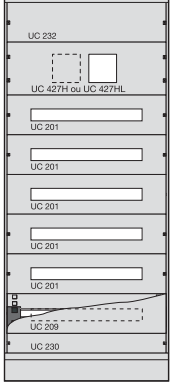
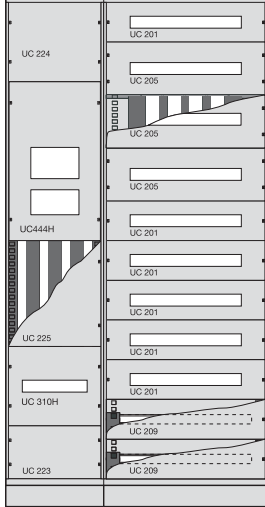
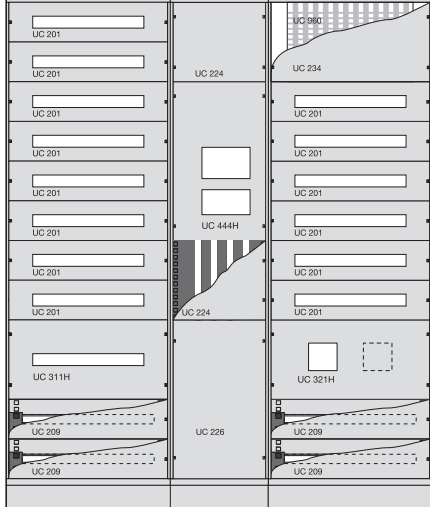
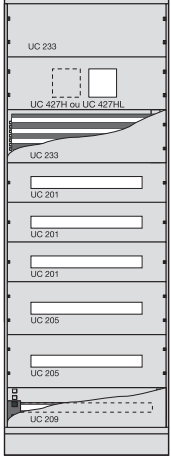
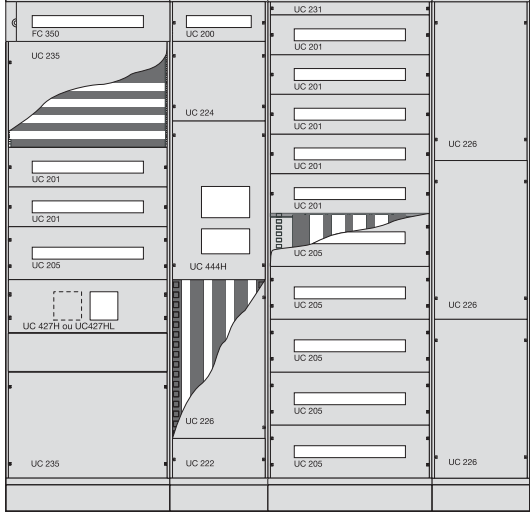
quadro4

examples of equipments

Examples of equipments of quadro4, IP 40 enclosures :		the references of the equipments units, to use + needed references of enclosures	
	width 620 mm	width 990 mm	width 1240 mm
height 450 mm	 <p>FC210 FC010 FC425</p> <p>+ mod. kits centre distance 150 mm with 48 ■</p>	 <p>FC110 FC210 FC010 FC120 FC415 FC425</p> <p>+ mod. kits centre distance 150 mm with 68 ■</p>	 <p>2x FC210 FC010 2x FC425 FC120</p> <p>+ mod. kits centre distance 150 mm with 96 ■</p>
height 600 mm	 <p>FC211 FC011 FC425</p> <p>+ mod. kits centre distance 150 mm with 72 ■</p>	 <p>FC111 FC211 FC121 FC011 FC415 FC425</p> <p>+ mod. kits centre distance 150 mm with 102 ■</p>	 <p>2x FC211 FC011 2x FC425 FC121</p> <p>+ mod. kits centre distance 150 mm with 144 ■</p>
height 750 mm	 <p>FC212 FC012 FC425</p> <p>+ mod. kits centre distance 150 mm with 96 ■</p>	 <p>FC112 FC212 FC012 FC122 FC415 FC425</p> <p>+ kit x160 + mod. kits centre distance 150 mm with 116 ■</p>	
height 900 mm	 <p>FC213 FC013 FC425</p> <p>+ mod. kits centre distance 150 mm with 120 ■</p>	 <p>FC113 FC213 FC013 FC123 FC415 FC425</p> <p>+ kit x160 + mod. kits centre distance 150 mm with 150 ■</p>	
height 1050 mm	 <p>FC214 FC014 FC425</p> <p>+ mod. kits centre distance 150 mm with 144 ■</p>	 <p>FC114 FC214 FC014 FC124 FC415 FC425</p> <p>+ kit HA 160A + mod. kits centre distance 150 mm with 140 ■</p> <p>+ set of tilded bars + terminal blocks 22 ■</p>	 <p>2x FC214 FC014 2x FC425 FC124</p> <p>+ kit x160 + mod. kits centre distance 150 mm with 192 ■</p> <p>+ 2 terminal blocks 44 ■</p>

Examples of equipments of quadro4, IP 40 enclosures :

the references of the equipments units, to use + needed references of enclosures

	width 620 mm	width 990 mm	width 1610 mm
height 1200 mm	 <p>FC215 FC015 FC425</p> <ul style="list-style-type: none"> + horizontal kit x250 or h250 + mod. kits centre distance 200 mm with 92 ■ + busbars in bottom behind modular devices 	 <p>FC118 FC218 FC012 FC013 FC122 FC123 FC455 FC445</p> <ul style="list-style-type: none"> + kit x250 + mod. kits centre distance 150 and 200 mm with 164 ■ + busbar downstream + departure kit x160 + grid + 2 terminal blocks 44 ■ 	 <p>2 x FC218 FC118 FC012 FC013 2 x FC122 2 x FC123 2 x FC455 FC445</p> <ul style="list-style-type: none"> + kit x250 or h250 + mod. kits centre distance 150 mm with 360 ■ + 4 terminal blocks 88 ■ + door modular cuttings 24 ■ + central busbars in cables sheath
height 1350 mm	 <p>FC216 FC016 FC455</p> <ul style="list-style-type: none"> + horizontal kit x250 or h250 + mod. kits centre distance 150 mm with 120 ■ + terminal blocks 22 ■ 	 <p>FC119 FC219 2 x FC013 2 x FC123 FC445 FC455</p> <ul style="list-style-type: none"> + kit h630 + mod. kits centre distance 150 and 200 mm with 216 ■ + vertical busbars + busbars in bottom behind modular + departure kit x160 + 2 terminal blocks 44 ■ 	 <p>FC119 2 x FC219 2 x FC013 4 x FC123 FC445 2 x FC455</p> <ul style="list-style-type: none"> + kit h630 + mod. kits centre distance 150 mm with 336 ■ + grid + central busbars in busbar compartment + 4 terminal blocks 88 ■ + departure kit x160 + departure kit x250 or h250
height 1650 mm	 <p>FC218 FC012 FC013 FC455</p> <ul style="list-style-type: none"> + horizontal kit x250 or h250 + mod. kits centre distance 150 mm with 120 ■ + horizontal busbars + terminal blocks 22 ■ 	 <p>2 x FC119 2 x FC219 2 x FC013 6 x FC123 2 x FC445 2 x FC455</p> <ul style="list-style-type: none"> + kit h630 + mod. kits centre distance 150 and 200 mm with 322 ■ + busbars in bottom behind modular + busbars in devices busbar compartment + horizontal distribution busbar + modular door 24 ■ + horizontal outgoing for x250 or h250 + busbar compartment for terminals outgoings for departure on terminal blocks + horizontal outgoing for x160 	

Main switchboards

For enclosed distribution up to 630A.
Depth: 267 mm

quadro4 are composed of :
- back plate
- kit of 2 sides
- top and bottom panel kit

- top panel and plinth kit, height 150mm
- plain or transparent door

- IP30, IK07 without door
- IP40, IK08 with door
- IP43, IK08 with door

- color of sides and doors: RAL 9010
- color of plinth: RAL 7042

All these kits allow multiple combinations of enclosures.

Complies to EN 50 298.



FC113

FC013

Designation	Height	Cat. ref. 2 sides kits	bottoms	
			370mm	620mm
Sides and back plate	450 mm	FC010	FC110	FC210
	600 mm	FC011	FC111	FC211
	750 mm	FC012	FC112	FC212
	900 mm	FC013	FC113	FC213
	1050 mm	FC014	FC114	FC214
	1200 mm	FC015	FC115	FC215
	1350 mm	FC016	FC116	FC216
	* The back plates are delivered with 2 intermediate pillars	1650 mm*	-	FC118
	1800 mm*	-	FC119	FC219



FC415

Top and bottom panels delivered with the pre-mounting screws (unloosable), cable entry	delivered with cable entry plate in insulating material and with contractor name plate holder to ensure IP40	FC415	FC425
	delivered with cable entry plates in insulating material to ensure IP43 and with contractor name plate holder	FC416	FC426



FC456

Top panel and plinth delivered with the pre-mounting screws (unloosable), cable entry and 150mm height plinth	delivered with cable entry to ensure IP40	FC445	FC455
	delivered with cable entry to ensure IP43	FC446	FC456



FC333



FC343



FC350



FZ597



FZ451



FZ450





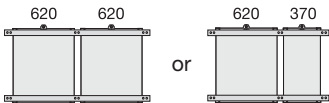

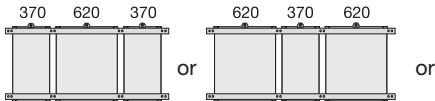



FZ449



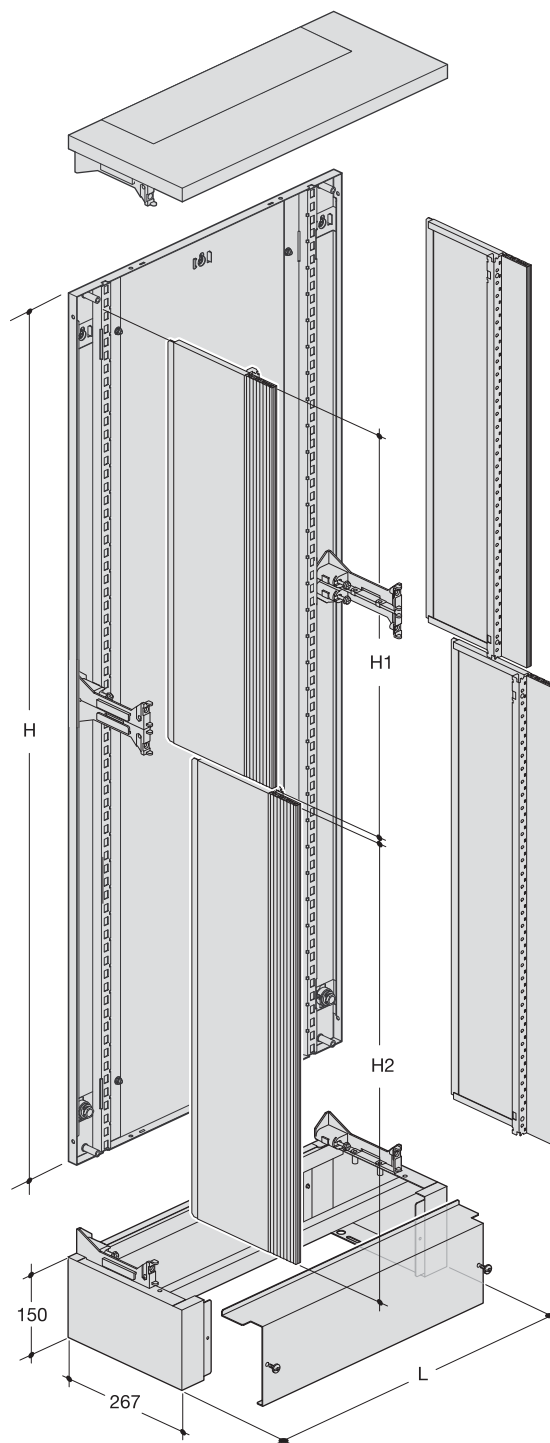
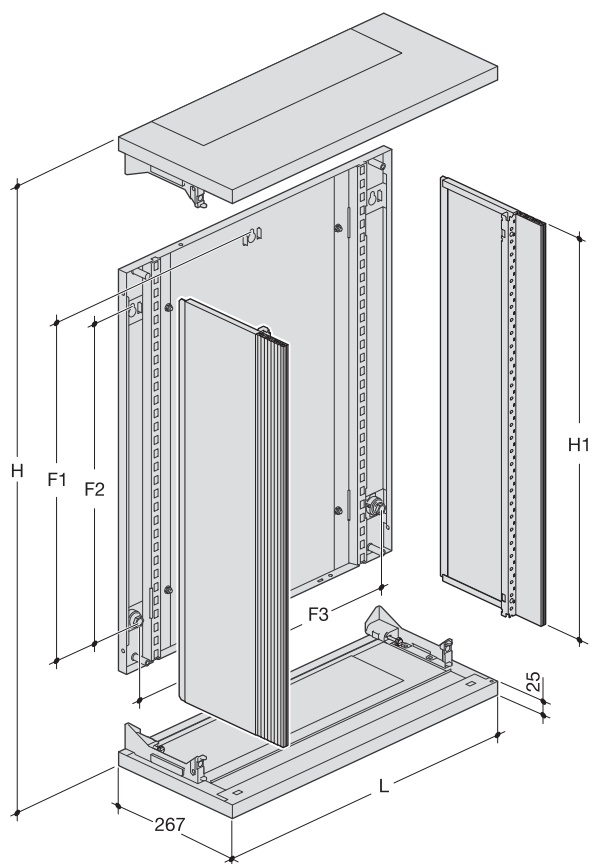
FM640

Designation	Height	Cat. ref. transp. 620 mm	plain	plain
			370 mm	620 mm
Transparent and plain doors delivered with adjustable hinges and key lock	450 mm	FC340	FC310	FC330
	600 mm	FC341	FC311	FC331
	750 mm	FC342	FC312	FC332
	900 mm	FC343	FC313	FC333
	1050 mm	FC344	FC314	FC334
	1200 mm	FC345	FC315	FC335
	1350 mm	FC346	FC316	FC336
	1500 mm	FC347	FC317	FC337
	1650 mm	FC348	FC318	FC338
1800 mm	FC349	FC319	FC339	

Designation	Characteristics	Cat. ref. 620mm
Equipment unit with door for modular devices and DIN rail	equipment 1 row, 24 I for enclosure width 620 mm reversible kit delivered complete with lock adjustable in depth	FC350
Locks replace the original latch	key lock n° 1242E delivered with 2 keys	FZ597
	key lock n° 405 delivered with 2 keys	FZ452
	key lock n° 455 delivered with 2 keys	FZ453
	lock with male square of 7 mm chrome plated with 1 key	FZ451
	lock with male triangle of 7 mm chrome plated with 1 key	FZ450
	lock with double chrome plated bar of 3mm with 1 key	FZ449
Flexible schematics holder self-adhesive, to stick inside the doors	A4 format	FZ794
Rigid schematics holder self-adhesive, to stick inside the doors	A4 format	FZ795
Wall mounting lugs fixed at the back delivered with fastening screws	1 set = 2 lugs	FM640

	Designation	Characteristics	Cat. ref.
 FC230	Connection kits between enclosures - for vertical association width 370 and 620 mm the continuity of equipments is guaranteed - for horizontal association the kit is common for the bottoms of width 370 and 620mm	1 set is composed of 2 bolts with screws for connection of the bottoms and of 2 pillars for connection on the sides 1 set is composed of 2 bolts with screws, 2 spacers for connection of the bottoms and to maintain the tops and bases as well as central support of front plates	FC230
	for height :	450 mm 600 mm 750 mm 900 mm 1050 mm 1200 mm 1350 mm	FC120 FC121 FC122 FC123 FC124 FC125 FC126
 FC123	Horizontal link bars to link several enclosures to facilitate transport or fixing on the wall precuts allow to adapt the bars to the desired length It is strongly recommended to use the link bars during the association of several bottoms	set of 2 bars delivered with fastening screw on enclosures : to connect 2 enclosures : 2 x 620 mm or 1 x 620 + 1 x 370 mm 	FC192
	 FC671	to connect 3 enclosures : 2 x 370 + 1 x 620 mm or 2 x 620 + 1 x 370 mm 	FC193
 FZ402	Painting kit for the final touch-up of the enclosures Quadro and their base plates	1 set includes : - 1 can RAL 9010 for enclosures - 1 can RAL 7042 for base plates	FC671
 FZ404	Cable entry plate for replacement, top and bottom	IP54 IP43	FZ402 FZ403
	Cable entry plate plain		FZ404
 FC419	Partition	in sheet metal for quadro4 and quadro5	width: 620mm FC664
Designation			Ref. 370mm 620mm
Replacement plate in IP40, RAL 9010			FC419 FC429

quadro4 enclosures



Dimensions in mm

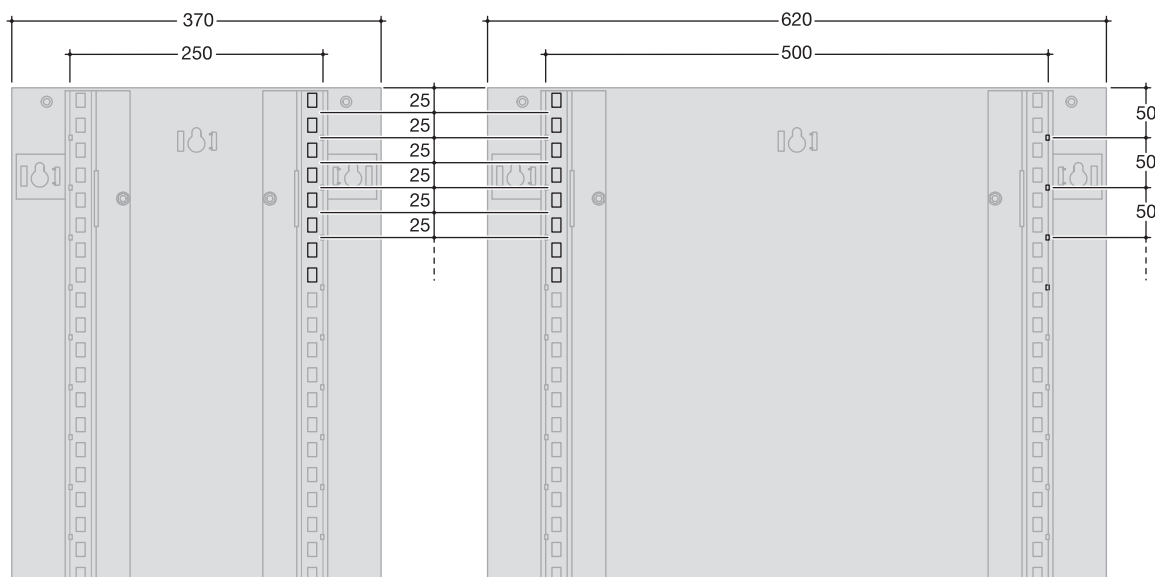
references bottoms	sides	H	H1	L	fixing holes position		
					F1	F2	F3
FC110	FC010	500	450	370	305	270	315
FC210	FC010	500	450	620	305	270	565
FC111	FC011	650	600	370	455	420	315
FC211	FC011	650	600	620	455	420	565
FC112	FC012	800	750	370	605	570	315
FC212	FC012	800	750	620	605	570	565
FC113	FC013	950	900	370	755	720	315
FC213	FC013	950	900	620	755	720	565
FC114	FC014	1100	1050	370	905	870	315
FC214	FC014	1100	1050	620	905	870	565
FC115	FC015	1250	1200	370	1055	1020	315
FC215	FC015	1250	1200	620	1055	1020	565
FC116	FC016	1400	1350	370	1205	1170	315
FC216	FC016	1400	1350	620	1205	1170	565

Dimensions in mm

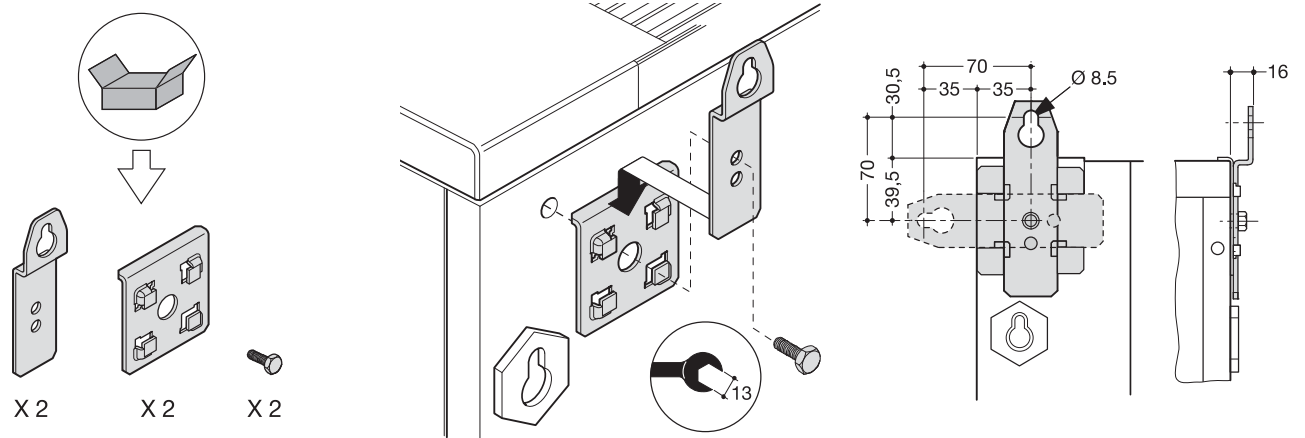
bottoms > 1400	sides	H	L	H1	H2
FC118	FC012 + FC013	1650	370	750	900
FC218	FC012 + FC013	1650	620	750	900
FC119	2 X FC013	1800	370	900	900
FC219	2 X FC013	1800	620	900	900

Main
switchboards

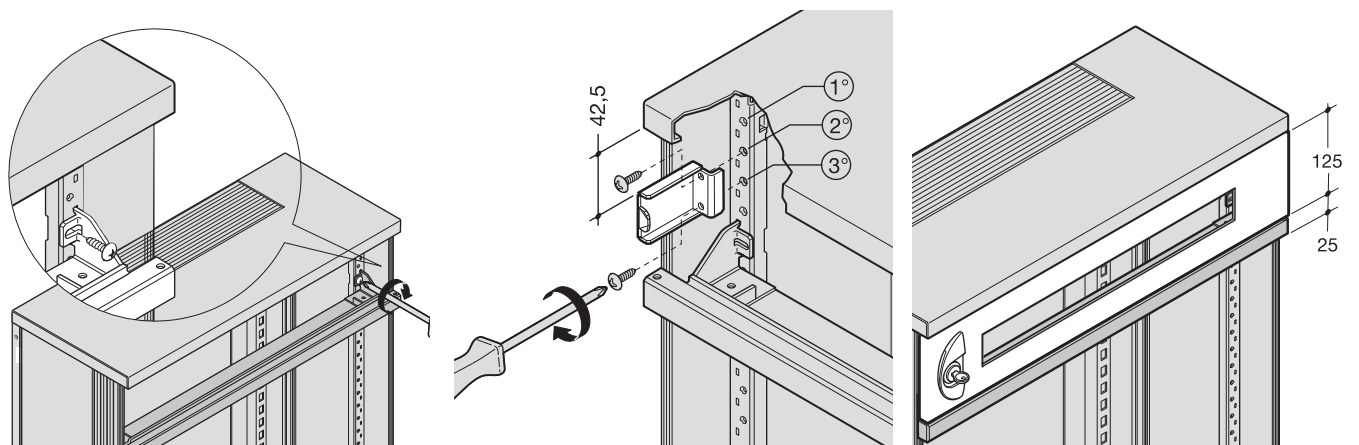
Back plates (dimensions in mm)



Wall mounting brackets FM640 (dimensions in mm)



Mounting of hinged front plate door of DIN rail equipment unit (dimensions in mm)



quadro

the modular solution



quadro: a wide range of boards and enclosures

The quadro boards and enclosures are designed for an easy installation. Modular elements are simply assembled to compose boards according to your specific needs. Equipment kits are also available to mount energy distribution devices in the enclosures.

 **hager**

www.africa.hager.com

Boards and enclosures quadro5

IP5 protection degree

The quadro5 boards and enclosures in IP55 are ideal for commercial applications such as: kitchens, hospitals, hotels, bank... Monobloc, but with large access thanks to removable sides.



Your benefits

- Easy cabling
- Identical design to the quadro4 and quadro+ ranges
- Common equipment units with quadro4 and quadro+ evo up to 630 A

Technical characteristics

- Metal enclosures, class I
- Boards height : 510 to 1410 mm
- Enclosures height : 1710, 1860, 2010 mm
- Depth : 260 and 400 mm
- Protection class : IP 55 with door

Expert tips

1



Easy cabling

High and low cable entry plates.

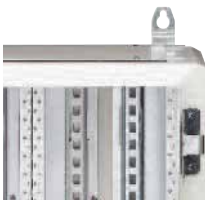
3



Horizontal or vertical association

To create "tailor made" enclosures.

2



Internal cable sleeves

Possibility to create a 200 mm sleeve in 900 mm width enclosures.

4



Enclosures can be linked horizontally

To create cell-type systems.

		Enclosures depth 260 mm delivered without plinth			Enclosures depth 260 mm and 400 mm delivered with plinth of 150 mm		Enclosures depth 260 mm and 400 mm delivered with plinth of 150 mm	
								
enclosures height with top and bottom or plinth	internal equipment height	enclosures width : (685mm usable) pair of 700 mm total sides		plinth 150 mm	enclosures width : (435 mm usable) 450 mm total d. 260 mm d.400 mm		(685 mm usable) 700 mm total d. 260 mm d. 400 mm	
510 mm	450 mm	FM 200	FM 400	FM 450	-	-	-	-
660 mm	600 mm	FM 201	FM 401	FM 450	-	-	-	-
810 mm	750 mm	FM 202	FM 402	FM 450	-	-	-	-
960 mm	900 mm	FM 203	FM 403	FM 450	-	-	-	-
1110 mm	1050 mm	FM 204	FM 404	FM 450	-	-	-	-
1260 mm	1200 mm	FM 205	FM 405	FM 450	-	-	-	-
1410 mm	1350 mm	FM 206	FM 406	FM 450	-	-	-	-
1710 mm	1500 mm	-	-	-	FM 107	FM 117	FM 207	FM 217
1860 mm	1650 mm	-	-	-	FM 108	FM 118	FM 208	FM 218
2010 mm	1800 mm	-	-	-	FM 109	FM 119	FM 209	FM 219
vertical association kit		FM 630	-	-	-	-	FM 630 possible	-
horizontal association kit		FM 635	-	-	FM 635	FM 635	FM 635	-

Enclosures depth 260 mm and 400 mm delivered with plinth of 150 mm 	Side panels 	Busbar compartment and cable sleeve 	Doors 							
(885 mm usable) 900 mm total d. 260 mm d. 400 mm	pair of sides d. 260 mm d. 400 mm		for enclosure: width 900 mm total d. 260 mm d. 400 mm		plain doors : width width width 435 mm 685 mm 885 mm			transparent doors: width width 685 mm 885 mm		
-	-	-	-	-	-	FM 530	-	FM 540	-	
-	-	-	-	-	-	FM 531	-	FM 541	-	
-	-	-	-	-	-	FM 532	-	FM 542	-	
-	-	-	-	-	-	FM 533	-	FM 543	-	
-	-	-	-	-	-	FM 534	-	FM 544	-	
-	-	-	-	-	-	FM 535	-	FM 545	-	
-	-	-	-	-	-	FM 536	-	FM 546	-	
FM 307	FM 317	FM 407	FM 417	FM 427	FM 437	FM 517	FM 537	FM 557	FM 547	FM 567
FM 308	FM 318	FM 408	FM 418	FM 428	FM 438	FM 518	FM 538	FM 558	FM 548	FM 568
FM 309	FM 319	FM 409	FM 419	FM 429	FM 439	FM 519	FM 539	FM 559	FM 549	FM 569
-	-	-	-	-	-	-	-	-	-	-
FM 635	-	-	-	-	-	-	-	-	-	-

The quadro5 enclosures are designed for enclosed distribution up to 630A. Delivered without sides, they can be joined horizontally and vertically to create multiple assemblies.

The enclosures are delivered with a pre-mounted plinth.

Moreover, a cable sleeve or busbar compartment of 200mm width can be carried out in the enclosures of width 900mm.

The quadro5 enclosures can be equipped with full or transparent doors. The whole of the equipment units, accessories of wiring, power distribution, can be

assembled on the bottom.

- IP30 / IK08 without door
- IP55 / IK10 with door

- color: RAL9010
- plinth color: RAL7042

Complies to EN 50 298,
EN 60 439-1.



FM208



FM204



FM450

Designation	Total height	Equipment height	Depth	Cat. ref.	
Enclosures with plinth depth : 260 mm and 400 mm plinth height : 150 mm delivered with 2 mounting lugs cover plate	1710 mm	1500 mm	260 mm	FM107	
	1710 mm	1500 mm	400 mm	FM117	
	1860 mm	1650 mm	260 mm	FM108	
	inside width : 435 mm total width : 450 mm (with sides)	1860 mm	1650 mm	400 mm	FM118
		2010 mm	1800 mm	260 mm	FM109
		2010 mm	1800 mm	400 mm	FM119
	inside width : 685 mm total width : 700 mm (with sides)	1710 mm	1500 mm	260 mm	FM207
		1710 mm	1500 mm	400 mm	FM217
		1860 mm	1650 mm	260 mm	FM208
		1860 mm	1650 mm	400 mm	FM218
		2010 mm	1800 mm	260 mm	FM209
		2010 mm	1800 mm	400 mm	FM219
	inside width: 885 mm total width : 900 mm (with sides) to use with a kit for cable sleeve or busbar compartment cable sleeve or busbar compartment: 200 mm	1710 mm	1500 mm	260 mm	FM307
		1710 mm	1500 mm	400 mm	FM317
	1860 mm	1650 mm	260 mm	FM308	
	1860 mm	1650 mm	400 mm	FM318	
	2010 mm	1800 mm	260 mm	FM309	
	2010 mm	1800 mm	400 mm	FM319	
Boards depth : 260 mm delivered with 4 mounting lugs, cover plate	510 mm	450 mm	260 mm	FM200	
	660 mm	600 mm	260 mm	FM201	
	810 mm	750 mm	260 mm	FM202	
	useful width : 685 mm total width : 700 mm (with sides)	960 mm	900 mm	260 mm	FM203
		1110 mm	1050 mm	260 mm	FM204
	RAL 9010	1260 mm	1200 mm	260 mm	FM205
		1410 mm	1350 mm	260 mm	FM206
Plinth depth 260 mm height : 150 mm useful width : 685 mm total width : 700 mm RAL 9042		for enclosures of width 700 mm delivered with 4 screws + 4 nuts + cover plates		FM450	



FM403



FM428



FM630



FM635

Designation	Characteristics	depth	Cat. ref.	
Set of 2 sides				
for boards and enclosures depth 260mm	height :	510 mm	260 mm	FM400
		660 mm	260 mm	FM401
		810 mm	260 mm	FM402
		960 mm	260 mm	FM403
		1110 mm	260 mm	FM404
		1260 mm	260 mm	FM405
		1410 mm	260 mm	FM406
for enclosures	height :	1710 mm	260 mm	FM407
			400 mm	FM417
		1860 mm	260 mm	FM408
			400 mm	FM418
		2010 mm	260 mm	FM409
			400 mm	FM419
Kits for cable compartment				
for enclosures		FM307	260 mm	FM427
	allow to create a cable sheath with cable of 200mm in an enclosure of width 885mm	FM317	400 mm	FM437
delivered with 2 fixing lugs, 1 pillar kit, 1 support of front plates and a full front plate		FM308	260 mm	FM428
		FM318	400 mm	FM438
		FM309	260 mm	FM429
		FM319	400 mm	FM439
Association kits				
kit of vertical association for boards	this kit includes : - 4 screws + M12 nuts - 4 washers - 1 self-adhesive seal		FM630	
kit of horizontal association for boards and enclosures	this kit includes : - 6 screws + M6 nuts - 1 self-adhesive seal		FM635	
Back plates				
	h. 300 x w.500 mm		FM484	
	h. 600 x w.500 mm		FM486	



FM532

Designation	Height	Cat. ref.		
		435 mm	685 mm	885 mm
Full doors delivered with hinges and equipped by triangle lock	510 mm	-	FM530	-
	660 mm	-	FM531	-
	810 mm	-	FM532	-
	960 mm	-	FM533	-
	1110 mm	-	FM534	-
	1260 mm	-	FM535	-
	1410 mm	-	FM536	-
	1710 mm	FM517	FM537	FM557
	1860 mm	FM518	FM538	FM558
	2010 mm	FM519	FM539	FM559



FM568

Transparent doors in sheet steel with a tempered smoked grey glass plate, thickness 3mm	510 mm	-	FM540	-
	660 mm	-	FM541	-
	810 mm	-	FM542	-
	960 mm	-	FM543	-
	1110 mm	-	FM544	-
	1260 mm	-	FM545	-
	1410 mm	-	FM546	-
	1710 mm	-	FM547	FM567
	1860 mm	-	FM548	FM568
	2010 mm	-	FM549	FM569

Designation	Characteristics	Cat. ref.
-------------	-----------------	-----------



FZ597



FZ449



FZ451



FZ450

Locks replace the lock of origin for the following doors height :	510 mm	key lock n° 1242E delivered with 2 keys	FZ597
	660 mm	key lock n° 405 delivered with 2 keys	FZ452
	810 mm	key lock n° 455 delivered with 2 keys	FZ453
	960 mm	lock with male square of 7 mm chrome plated with 1 key	FZ451
	1110 mm	lock with male triangle of 7 mm chrome plated with 1 key	FZ450
1260 mm	lock with double bar of 3 mm chrome plated with 1 key	FZ449	
1410 mm			



FZ517



FZ850



FZ515

Inserts for locks replace the lock of origin on the doors height:	1710 mm	triangle insert 8 mm	FZ515
	1860 mm	square insert 6 x 6 mm	FZ516
	2010 mm	square insert 8 x 8 mm	FZ517
		rotary handle lock with key 1242E lock cylinder	FZ508
		triangle key + square + double bar	FZ850

Designation	Characteristics	Cat. ref.
-------------	-----------------	-----------



FZ794

Flexible schematics holder self-adhesive to stick inside the doors	size A4	FZ794
--	---------	--------------

Rigid schematics holder In sheet metal with adhesive for sticking inside the doors	size A4	FC620
--	---------	--------------



FM640

2 wall mounting lugs		FM640
-----------------------------	--	--------------

for quadro4 and quadro5

To fix the enclosures on the wall, the lugs can be positioned vertically and horizontally



FM653

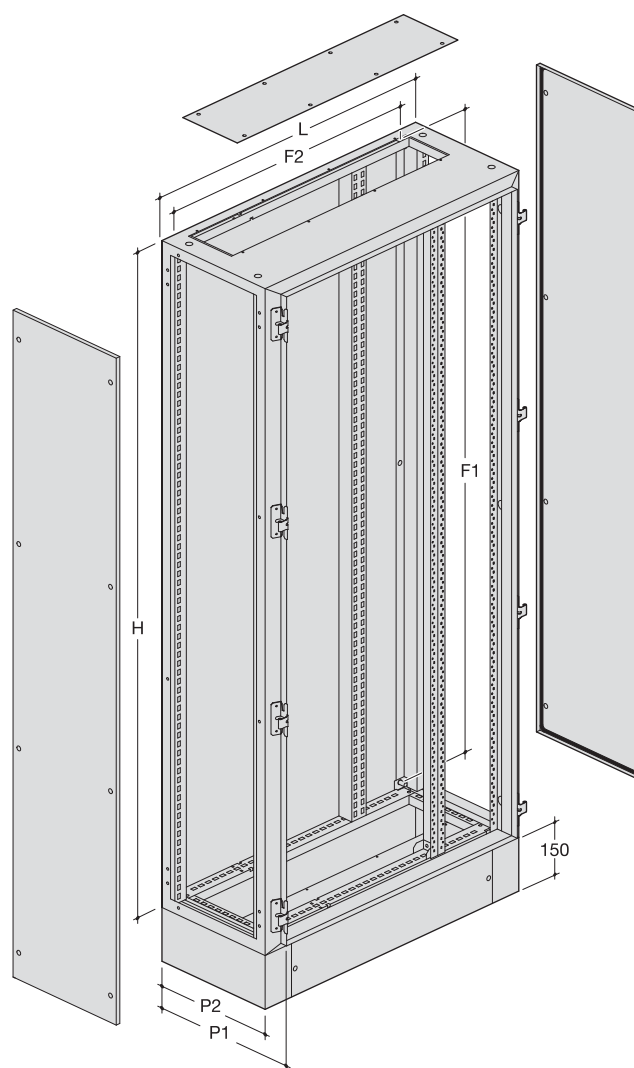
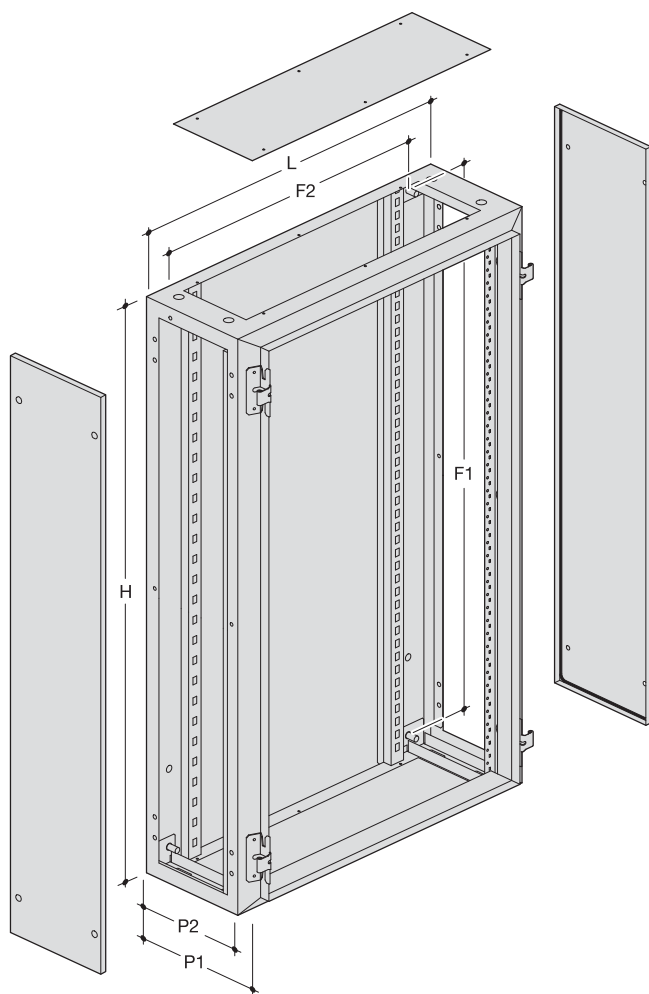
2 lifting rings	this kit includes :	FM653
------------------------	---------------------	--------------

allow the transport (lifting) of a unit

- 2 rings
- 2 nuts M12 screws

maximum weight 250 kg

quadro5 enclosures and boards



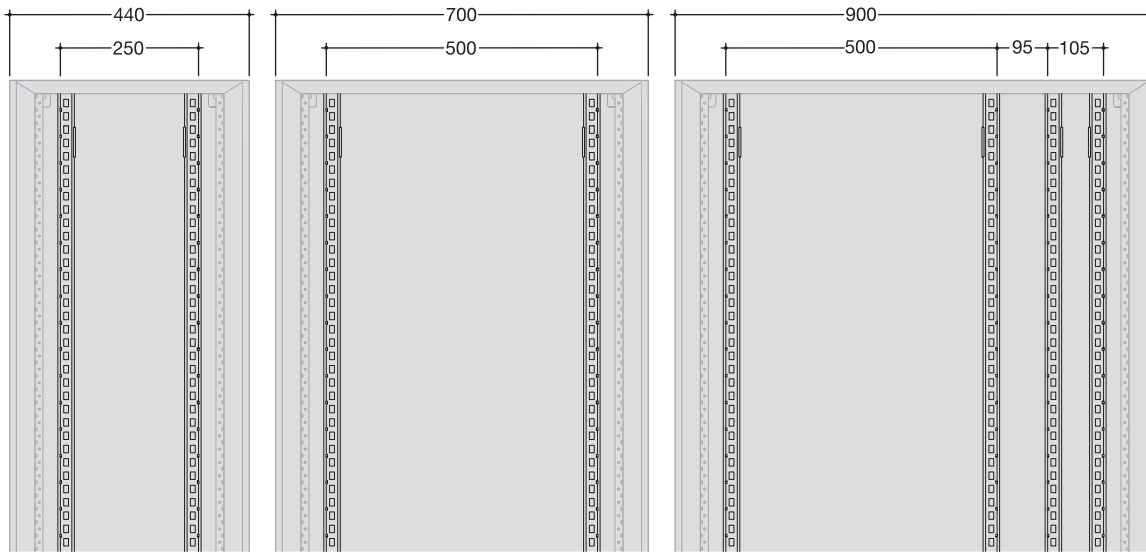
Dimensions in mm

references						fixing	
bodies	sides	H	L	P1	P2	F1	F2
FM200	FM400	510	700	260	220	430	570
FM201	FM401	660	700	260	220	580	570
FM202	FM402	810	700	260	220	730	570
FM203	FM403	960	700	260	220	880	570
FM204	FM404	1100	700	260	220	1030	570
FM205	FM405	1260	700	260	220	1180	570
FM206	FM406	1410	700	260	220	1330	570

Dimensions in mm

references						fixing	
bodies	sides	H	L	P1*	P2	F1	F2
FM107	FM407	1560	450	260	220	1480	320
FM108	FM408	1710	450	260	220	1630	320
FM109	FM409	1860	450	260	220	1780	320
FM207	FM407	1560	700	260	220	1480	570
FM208	FM408	1710	700	260	220	1630	570
FM209	FM409	1860	700	260	220	1780	570
FM307	FM407	1560	900	260	220	1480	770
FM308	FM408	1710	900	260	220	1630	770
FM309	FM409	1860	900	260	220	1780	770
FM117	FM407	1560	450	400	360	1480	320
FM118	FM408	1710	450	400	360	1630	320
FM119	FM409	1860	450	400	360	1780	320
FM217	FM407	1560	700	400	360	1480	570
FM218	FM408	1710	700	400	360	1630	570
FM219	FM409	1860	700	400	360	1780	570
FM317	FM407	1560	900	400	360	1480	770
FM318	FM408	1710	900	400	360	1630	770
FM319	FM409	1860	900	400	360	1780	770

Back plates quadro5



	width (mm)	distance between pillars (mm)	top panel width (mm)
quadro5	450	250	350
	700	500	600
	900	700	800
		500 + cable sleeve	600 + 200

	distance between pillars (mm)	top panel width (mm)
1 x 10 ■	250	350
1 x 24 ■	500	600
1 x 36 ■	700	800

New enclosures to be assembled **quadro+ evo**

Quick and easy to install

quadro+ evo enclosures are robust and aesthetic. Thanks to assembly and association flexibility, quadro+ evo makes it possible to carry out made to measure distribution boards up to 1600A and where the need for space is important.

Available volume is maximum and accessibility to the enclosure is possible from all the sides. quadro+ evo accepts all the systems of energy distribution up to 1600A (and all kits up to 1600A) from the quadro equipment system.



Your benefits

- **Quick to install**
- **Access is possible from all sides**
- **High flexibility for internal mounting: on the back, at the bottom, in the depth**
- **Common internal equipment with quadro4 and quadro5**

Technical characteristics

- Metal enclosures, class I
- Depth : 400, 600, 800 mm
- Width: 450, 700, 900, 1000 mm
- Height : 1900, 2100 mm
- Protection class : IP 55 with door

Expert tips

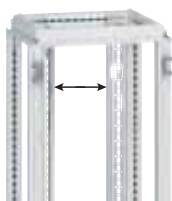
1



Fast and easy enclosure mounting

Upright fitted with only one unloosable screw for fixing top and bottom.

2



Small width cell 450 mm

Kits mounting is possible in enclosures from 450 mm width.

3



Easy handling

Pillars and plinth are removable for a complete accessibility while handling the enclosures.

4



2 mountings possible

Pillars have double holes to increase mounting possibilities.

5



Multiple vertical associations

Thanks to 4 fixing pads.

6



Multiple fixings

Using crossbars at the bottom and in the depth.

7



Internal cable sheath

Optional for 900 and 1000 mm width enclosures.

8

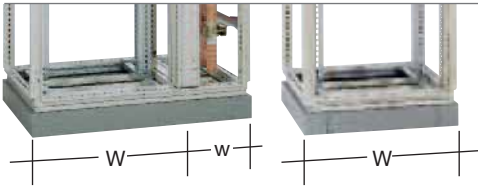

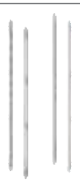







Accessibility for cables

Opened cable entry plate. Adjustable opening.

quadro+ evo

references guide











 Dimensions				 top and bottom frame	 4 uprights	 vertical dividing upright	 horizontal dividing upright	 plain plate for top and bottom frames	 sliding plate for top and bottom frames	 plain door
width W+w (mm)	width W (mm)	height H (mm)	depth D (mm)							
-	450	1900	400	FN018E	FN046E	-	-	FN078E	FN098E	FN546E
-	450	2100	400	FN018E	FN047E	-	-	FN078E	FN098E	FN547E
-	450	1900	600	FN020E	FN046E	-	-	FN080E	FN100E	FN546E
-	450	2100	600	FN020E	FN047E	-	-	FN080E	FN100E	FN547E
-	450	1900	800	FN022E	FN046E	-	-	FN082E	FN102E	FN546E
-	450	2100	800	FN022E	FN047E	-	-	FN082E	FN102E	FN547E
-	700	1900	400	FN021E	FN046E	-	-	FN081E	FN101E	FN506E
-	700	2100	400	FN021E	FN047E	-	-	FN081E	FN101E	FN507E
-	700	1900	600	FN029E	FN046E	-	-	FN089E	FN109E	FN506E
-	700	2100	600	FN029E	FN047E	-	-	FN089E	FN109E	FN507E
-	700	1900	800	FN013E	FN046E	-	-	FN073E	FN093E	FN506E
-	700	2100	800	FN013E	FN047E	-	-	FN073E	FN093E	FN507E
-	900	1900	400	FN023E	FN046E	-	-	FN083E	FN103E	FN526E
-	900	2100	400	FN023E	FN047E	-	-	FN083E	FN103E	FN527E
-	900	1900	600	FN031E	FN046E	-	-	FN091E	FN111E	FN526E
-	900	2100	600	FN031E	FN047E	-	-	FN091E	FN111E	FN527E
-	900	1900	800	FN017E	FN046E	-	-	FN077E	FN097E	FN526E
-	900	2100	800	FN017E	FN047E	-	-	FN077E	FN097E	FN527E
700+200	-	1900	400	FN023E	FN046E	FN286E	FN289E	FN083E	FN103E	FN506E ⁽¹⁾
700+200	-	2100	400	FN023E	FN047E	FN287E	FN289E	FN083E	FN103E	FN507E ⁽²⁾
700+200	-	1900	600	FN031E	FN046E	FN286E	FN291E	FN091E	FN111E	FN506E ⁽¹⁾
700+200	-	2100	600	FN031E	FN047E	FN287E	FN291E	FN091E	FN111E	FN507E ⁽²⁾
700+200	-	1900	800	FN017E	FN046E	FN286E	FN292E	FN077E	FN097E	FN506E ⁽¹⁾
700+200	-	2100	800	FN017E	FN047E	FN287E	FN292E	FN077E	FN097E	FN507E ⁽²⁾
700+300	-	1900	400	FN024E	FN046E	FN286E	FN289E	FN084E	FN104E	FN506E ⁽³⁾
700+300	-	2100	400	FN024E	FN047E	FN287E	FN289E	FN084E	FN104E	FN507E ⁽⁴⁾
700+300	-	1900	600	FN032E	FN046E	FN286E	FN291E	FN092E	FN112E	FN506E ⁽³⁾
700+300	-	2100	600	FN032E	FN047E	FN287E	FN291E	FN092E	FN112E	FN507E ⁽⁴⁾
700+300	-	1900	800	FN037E	FN046E	FN286E	FN292E	FN121E	FN117E	FN506E ⁽³⁾
700+300	-	2100	800	FN037E	FN047E	FN287E	FN292E	FN121E	FN117E	FN507E ⁽⁴⁾

⁽¹⁾ Door + busbar compartment panel FN 266

⁽²⁾ Door + busbar compartment panel FN 267

⁽³⁾ Door + busbar compartment panel FN 206

⁽⁴⁾ Door + busbar compartment panel FN 207

									
transparent doors	back panel	finishing frame (without door)	busbar compartment or cable sleeve (front/rear)	plain panel (sides)	plinth H = 100mm	Internal steel door	galvanized steel plate	functionnal uprights whole height 1900 mm	functionnal uprights partial height 1600 mm
-	FN216E	-	-	FN356E	FN438E	-	FN726E	FN696E	FN896E + 2 x FN690E
-	FN217E	-	-	FN357E	FN438E	-	FN727E	FN697E	FN897E + 2 x FN690E
-	FN216E	-	-	FN366E	FN440E	-	FN726E	FN696E	FN896E + 2 x FN691E
-	FN217E	-	-	FN367E	FN440E	-	FN727E	FN697E	FN897E + 2 x FN691E
-	FN216E	-	-	FN376E	FN442E	-	FN726E	FN696E	FN896E + 2 x FN692E
-	FN217E	-	-	FN377E	FN442E	-	FN727E	FN697E	FN897E + 2 x FN692E
FN516E	FN276E	FN406E	-	FN356E	FN441E	FN700E	FN736E	FN696E	FN896E + 2 x FN690E
FN517E	FN277E	FN407E	-	FN357E	FN441E	FN701E	FN737E	FN697E	FN897E + 2 x FN690E
FN516E	FN276E	FN406E	-	FN366E	FN451E	FN700E	FN736E	FN696E	FN896E + 2 x FN691E
FN517E	FN277E	FN407E	-	FN367E	FN451E	FN701E	FN737E	FN697E	FN897E + 2 x FN691E
FN516E	FN276E	FN406E	-	FN376E	FN433E	FN700E	FN736E	FN696E	FN896E + 2 x FN692E
FN517E	FN277E	FN407E	-	FN377E	FN433E	FN701E	FN737E	FN697E	FN897E + 2 x FN692E
FN536E	FN296E	FN426E	-	FN356E	FN443E	FN706E	FN746E	FN696E	FN896E + 2 x FN690E
FN537E	FN297E	FN427E	-	FN357E	FN443E	FN711E	FN747E	FN697E	FN897E + 2 x FN690E
FN536E	FN296E	FN426E	-	FN366E	FN453E	FN706E	FN746E	FN696E	FN896E + 2 x FN691E
FN537E	FN297E	FN427E	-	FN367E	FN453E	FN711E	FN747E	FN697E	FN897E + 2 x FN691E
FN536E	FN296E	FN426E	-	FN376E	FN437E	FN706E	FN746E	FN696E	FN896E + 2 x FN692E
FN537E	FN297E	FN427E	-	FN377E	FN437E	FN711E	FN747E	FN697E	FN897E + 2 x FN692E
FN516E ⁽¹⁾	FN296E	FN426E	FN266E	FN356E	FN443E	FN706E	FN746E	FN696E	FN896E + 2 x FN690E
FN517E ⁽²⁾	FN297E	FN427E	FN267E	FN357E	FN443E	FN711E	FN747E	FN697E	FN897E + 2 x FN690E
FN516E ⁽¹⁾	FN296E	FN426E	FN266E	FN366E	FN453E	FN706E	FN746E	FN696E	FN896E + 2 x FN691E
FN517E ⁽²⁾	FN297E	FN427E	FN267E	FN367E	FN453E	FN711E	FN747E	FN697E	FN897E + 2 x FN691E
FN516E ⁽¹⁾	FN296E	FN426E	FN266E	FN376E	FN437E	FN706E	FN746E	FN696E	FN896E + 2 x FN692E
FN517E ⁽²⁾	FN297E	FN427E	FN267E	FN377E	FN437E	FN711E	FN747E	FN697E	FN897E + 2 x FN692E
FN516E ⁽³⁾	FN246E	FN406E	FN206E	FN356E	FN444E	FN700E	FN736E	FN696E	FN896E + 2 x FN690E
FN517E ⁽⁴⁾	FN247E	FN407E	FN207E	FN357E	FN444E	FN701E	FN737E	FN697E	FN897E + 2 x FN690E
FN516 ⁽³⁾	FN246E	FN406E	FN206E	FN366E	FN454E	FN700E	FN736E	FN696E	FN896E + 2 x FN691E
FN517E ⁽⁴⁾	FN247E	FN407E	FN207E	FN367E	FN454E	FN701E	FN737E	FN697E	FN897E + 2 x FN691E
FN516E ⁽³⁾	FN246E	FN406E	FN206E	FN376E	FN459E	FN700E	FN736E	FN696E	FN896E + 2 x FN692E
FN517E ⁽⁴⁾	FN247E	FN407E	FN207E	FN377E	FN459E	FN701E	FN737E	FN697E	FN897E + 2 x FN692E

For enclosed distribution up to 1600A.
Height: 1900, 2100 mm
Depth: 400, 600, 800 mm

quadro+ are constituted of parts to assemble :
- Top and bottom frames

- 4 uprights
- cable gland plates
- plinth (height 100 mm)
- IP30 / IK08 without door
- IP55 / IK10 with door
RAL 9010 (structure), RAL 7042 (plinth)

quadro+ join horizontally with no limit to form a complete structure. To finish the unit, quadro+ can be equipped with :
- side panel
- back panel
- panel for busbar compartment
- plain or transparent doors



FN018E



FN438E

Designation	Characteristics		Cat. ref.	
	width	depth	Frames	Plinths
Top and bottom frames, plinths	450 mm	400 mm	FN018E	FN438E
	700 mm	400 mm	FN021E	FN441E
	900 mm	400 mm	FN023E	FN443E
	1000 mm	400 mm	FN024E	FN444E
	450 mm	600 mm	FN020E	FN440E
	700 mm	600 mm	FN029E	FN451E
	900 mm	600 mm	FN031E	FN453E
	1000 mm	600 mm	FN032E	FN454E
	450 mm	800 mm	FN022E	FN442E
	700 mm	800 mm	FN013E	FN433E
	900 mm	800 mm	FN017E	FN437E
	1000 mm	800 mm	FN037E	FN459E

Designation	Characteristics		Cat. ref.
Uprights	height : 1900 mm, set of 4		FN046E
	height : 2100 mm, set of 4		FN047E
Vertical dividing uprights for sheath in cells of width: 900 mm (700 + 200) or 1000 mm (700 + 300)	delivered with 1 upright and fixing accessories	height : 1900 mm	FN286E
		height : 2100 mm	FN287E
Functional uprights kits do not fit in 300 mm busbar compartment or cable sleeve	delivered with 4 squares, 2 uprights, fixing kit, 2 supports for front plate	height : 1800 mm	FN696E
		height : 2000 mm	FN697E
	for mounting without busbar on horizontal edge	height : 1600 mm	FN896E
Functional uprights partial height	to be equipped with (ordered separately): 4xFN690E for 400mm depth,	height : 150 mm	FN891E
	4xFN691E for 600mm depth,	height : 200 mm	FN892E
	4xFN692E for 800mm depth	height : 300 mm	FN893E
		height : 400 mm	FN894E
Profiles for front cover fixing	for h1900 enclosures	whole	FN696EP
		partial	FN896EP
	for h2100 enclosures	whole	FN697EP
		partial	FN897EP



FN046E

FN286E



FN696E

Cable gland plates
equipped with IP55 gasket

open cable gland plates:
adjustable thanks to a sliding
plate.

Doors for quadro+ cells

- reversible
- height: 1860 mm

- IP55 / IK10 protection class
transparent doors:
- with tempered glass, 3mm
thick
- distance between front plate
and door: 70 mm

plain doors:
- distance between front plate
and door: 75 mm

Main
switchboards



FN081E



FN101E



FN510E

Designation	Characteristics		Cat. ref.	
	width	depth	full	open
Cable gland plates can be mounted on top and bottom	450 mm	400 mm	FN078E	FN098E
	700 mm	400 mm	FN081E	FN101E
	900 mm	400 mm	FN083E	FN103E
	1000 mm	400 mm	FN084E	FN104E
	450 mm	600 mm	FN080E	FN100E
	700 mm	600 mm	FN089E	FN109E
	900 mm	600 mm	FN091E	FN111E
	1000 mm	600 mm	FN092E	FN112E
	450 mm	800 mm	FN082E	FN102E
	700 mm	800 mm	FN073E	FN093E
	900 mm	800 mm	FN077E	FN097E
	1000 mm	800 mm	FN121E	FN117E
Designation	Characteristics		Cat. ref.	
	width	depth	plain	transpar.
Plain and transparent doors delivered complete with hinges and with triangular key lock	450 mm	1900 mm	FN546E	FN510E
		2100 mm	FN547E	FN511E
	700 mm	1900 mm	FN506E	FN516E
		2100 mm	FN507E	FN517E
	900 mm	1900 mm	FN526E	FN536E
		2100 mm	FN527E	FN537E
	1000 mm	1000 mm	FN506E +	FN516E +
			FN206E	FN206E



FN266E



FN276E



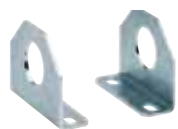
FN950



FN430E



FN767



FN760E



FN952



FN517 FN515

Designation	Characteristics		Cat. ref.
	width	height	
Screwed cable compartment panels to close sheath of 200 or 300 mm can be mounted on the front or on the back of the enclosures	900 mm (sheath 200 mm)	1900 mm	FN266E
		2100 mm	FN267E
	1000 mm (sheath 300 mm)	1900 mm	FN206E
		2100 mm	FN207E
Screwed back panels to be mounted on the back of the enclosures	450 mm	1900 mm	FN216E
		2100 mm	FN217E
	700 mm	1900 mm	FN276E
		2100 mm	FN277E
	900 mm	1900 mm	FN296E
		2100 mm	FN297E
	1000 mm	1900 mm	FN246E
		2100 mm	FN247E
Designation	Characteristics		Cat. ref.
	depth	height	
Screwed side panels fixing by screws on the sides	450 mm	1900 mm	FN356E
		2100 mm	FN357E
	600 mm	1900 mm	FN366E
		2100 mm	FN367E
	800 mm	1900 mm	FN376E
	2100 mm	FN377E	
Cover plates to close space between two associated enclosures	to be used for each association		FN942E
Side juxtaposition kits for all the enclosures	kit with 4 galvanized steel parts 40/10e		FN950
Cells connection kits	seal 10 x 6 mm length 10 m		FN951
Plinth overlapping kits to superpose 2 plinths	seal 10 x 6 mm length 10 m		FN430E
Lifting brackets set of 2, delivered with M12 bolt	single		FZ767
	double		FZ760E
Door blocking at opening	for door width: 450 et 700 mm		FN952
Door handles	rotary handle lock cylinder, with key 1242E		FZ508
Inserts for locks replace the lock of the original door handle FZ508	triangle insert 8 mm		FZ515
	square insert 6 x 6 mm		FZ516
	square insert 8 x 8 mm		FZ517
	triangle key + square + double bar		FZ850



FZ795

Designation	Characteristics	Cat. ref.	
Rigid diagram holders delivered with adhesive for fixing inside doors	in sheet steel, A4 format	FZ795	
Ventilators	220 V - 20 W	FL212Z	
RAL 7035	220 V - 32 W	FL214Z	
Ventilation grids IP 54	150 x 150 mm	FL220Z	
	250 x 250 mm	FL224Z	

Painting kits in aerosol can for the final touch-up of quadro enclosures and base plates	1 set includes : - 1 can colour RAL 9010 for enclosures - 1 can colour RAL 7042 for base plates	FC671	
--	---	--------------	--



FN690E

Perforated crossbars with clamps to mount horizontally on enclosures sides	for enclosure depth : 400 mm	FN690E	
	600 mm	FN691E	
H = 50 mm step of 25 mm	800 mm	FN692E	



FN877E

Mounting rails perforated to mount directly on the uprights on the back of the enclosure	for enclosure width : 450 mm	FN873E	
	700 mm	FN875E	
H = 50 mm step of 25 mm	900 mm	FN877E	
	1000 mm	FN879E	



FN864E

Designation	Characteristics	Cat. ref.	
		H = 50 mm	H = 25 mm

Perforated brackets assembly in depth on crossbars FN690E to FN692E	for enclosure width : 450 mm	FN863E	FN862E
step of 25 mm	700 mm	FN865E	FN864E
	900 mm	FN867E	FN866E



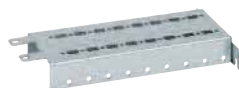
FN883E

DIN rails perforated to mount inside on brackets FN862E to FN867E	for enclosure depth : 450 mm	FN883E	FN882E
step of 25 mm	600 mm	FN885E	FN884E
	800 mm	FN887E	FN886E



FN737E

Designation	Characteristics		Cat. ref.
	width	height	
Finishing frames	700 / 1000 mm	1900 mm	FN406E
		2100 mm	FN407E
	900 mm	1900 mm	FN426E
		2100 mm	FN427E
Internal doors	700 mm	1900 mm	FN700E
		2100 mm	FN701E
	900 mm	1900 mm	FN706E
		2100 mm	FN711E
Mounting plates	450 mm	1900 mm	FN726E
		2100 mm	FN727E
	700 mm	1900 mm	FN736E
		2100 mm	FN737E
	900 mm	1900 mm	FN746E
		2100 mm	FN747E



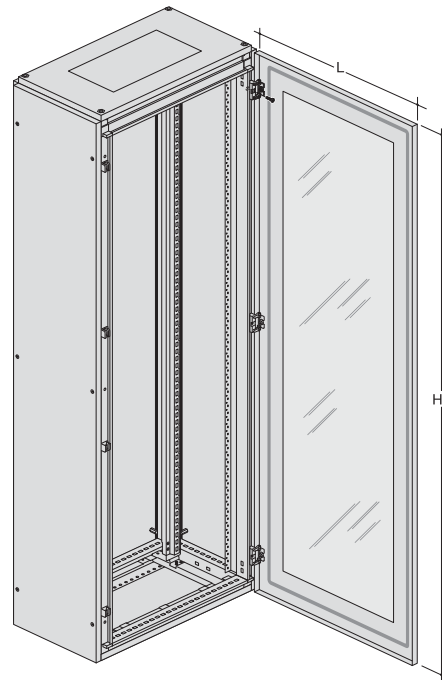
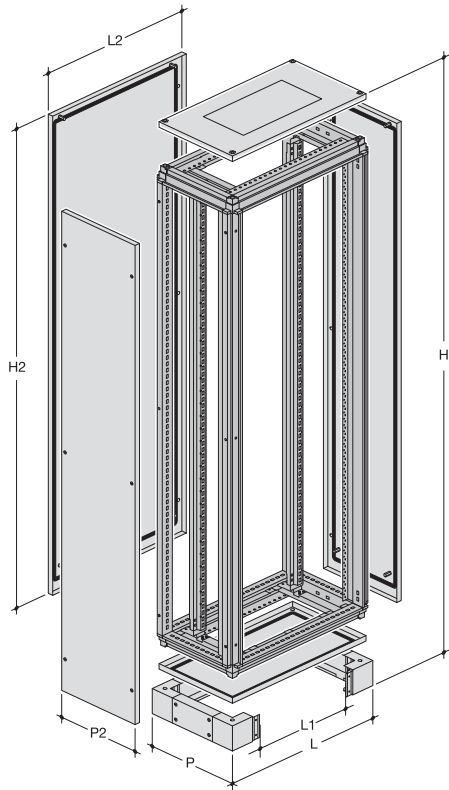
FN289E

Designation	Characteristics		Cat. ref.
	depth		
Horizontal partitioning uprights	400 mm		FN289E
	600 mm		FN291E
	800 mm		FN292E
Cover plates	400 mm		FN942E
	600 mm		FN943E
	800 mm		FN944E
Brackets for bars support	400 mm		FN970E
	600 mm		FN971E
	800 mm		FN972E
Perforated busbars copper	25 x 5 mm length 1750 mm		UT87E
Single brackets for copper busbars	for busbars 25 x 5 mm		UT88A
	for busbars 50 x 5 mm		UT88B
Double brackets for copper busbars	for busbars 25 x 5 mm		UT88C
	for busbars 50 x 5 mm		UT88D



UT88A

quadro+ enclosures



Doors height H1 : 1900 mm

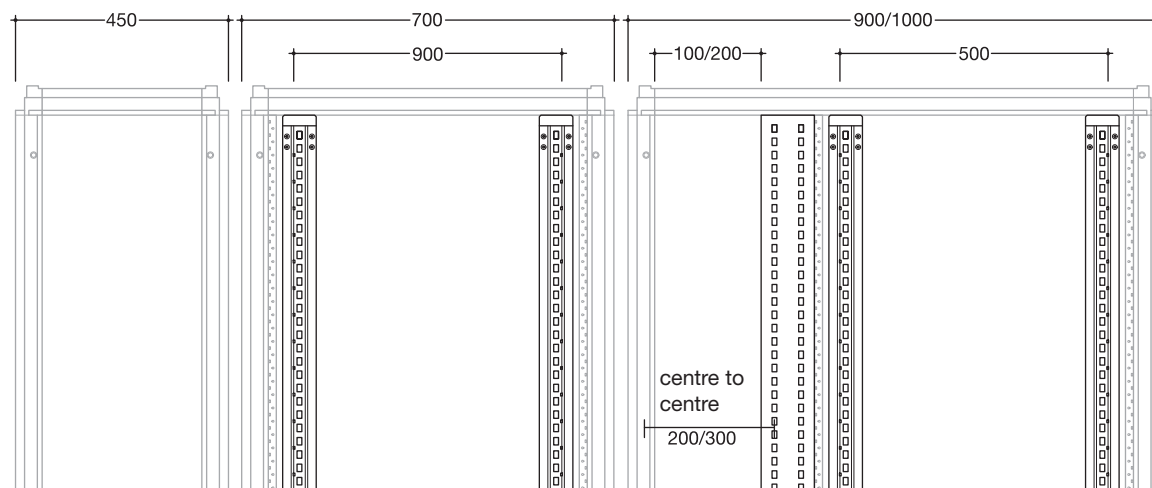
Main
switchboards

Dimensions in mm

	frame	plinth	side	back	H*	P	L1	H2	L2	P2
L = 450	FN018E	FN438E	FN356E	FN216E	2000	400	288	1900	448	365
L = 700	FN021E	FN441E	FN356E	FN276E	2000	400	538	1900	698	365
L = 900	FN023E	FN443E	FN356E	FN296E	2000	400	738	1900	898	365
L = 1000	FN024E	FN444E	FN356E	FN246E	2000	400	838	1900	998	365
L = 450	FN020E	FN440E	FN366E	FN216E	2000	600	288	1900	448	565
L = 700	FN029E	FN451E	FN366E	FN276E	2000	600	538	1900	698	565
L = 900	FN031E	FN453E	FN366E	FN296E	2000	600	738	1900	898	565
L = 1000	FN032E	FN454E	FN366E	FN246E	2000	600	838	1900	998	565
L = 450	FN022E	FN442E	FN376E	FN216E	2000	800	288	1900	448	765
L = 700	FN013E	FN433E	FN376E	FN276E	2000	800	538	1900	698	765
L = 900	FN017E	FN437E	FN376E	FN296E	2000	800	738	1900	898	765
L = 1000	FN037E	FN459E	FN376E	FN246E	2000	800	838	1900	998	765

* structure 1900 mm, plinth 100 mm

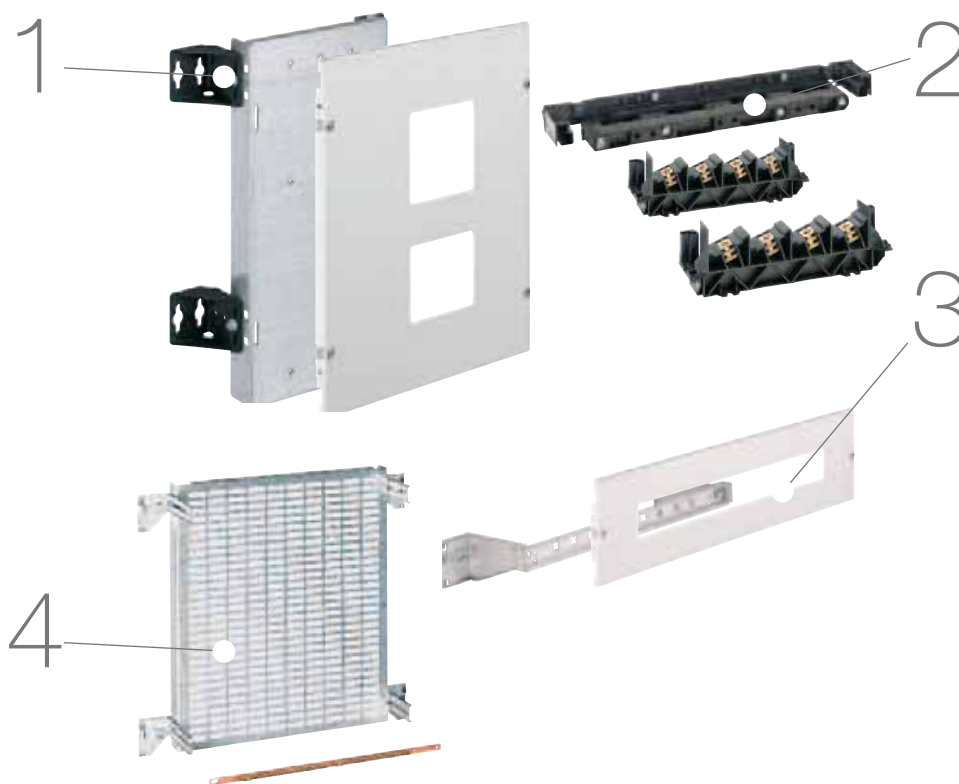
Back plates quadro+ evo



System of equipment quadro

Common to quadro4, quadro5 and quadro+ evo

The equipment kits allow the mounting in the quadro enclosures of the energy distribution. The system is common to quadro4, quadro5 and quadro+ evo.



Your benefits

- A common equipment system for quadro4, quadro5 and quadro+ evo.
- Easy to install: plates are available in widths 250, 500 and 700 mm.

Technical characteristics

- Metal plates with unloosable screws
- Class I or class II, depending on reference
- Fixing step : 25 mm.

Expert tips

1



Class II kits

Kits for modular devices and load break switches are equipped with insulated fixing legs. This insures Class II protection.

3



Modular kits

DIN rail to clip directly in the enclosure. Kits are delivered with a positioning gauge, to put on the pillar.

2



Busbars

Horizontal or vertical: possibility to mount behind DIN rails.

4









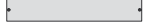












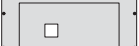
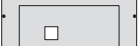

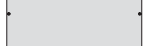





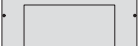
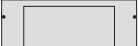

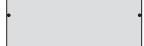

Complete range of accessories

front plates, adjustable rails, perforated plates, earth terminals...

Reference guide equipment kits for quadro range

Equipment kits width (mm)		MCCBs, trip-free switches 125 and 160A x160			MCCBs, trip-free switches 250A x250			MCCBs trip-free switches 250 A (electronic) h250	
		350	600	800	350	600	800	350	600
Equipment kits - height (mm)	for rotary handle	150							
		class I class II		UC013H UC313H	UC014H UC314H				
		200							
	class I class II				UC127H UC427H	UC128H UC428H		UC127H UC427H	
	300								
	class I class II	UC010H UC310H	UC011H UC311H	UC012H UC312H	UC020H UC320H	UC021H UC321H	UC022H UC322H	UC020H UC320H	UC021H UC321H
	400								
	class I class II				UC030H UC330H	UC023H UC323H	UC024H UC324H	UC030H UC330H	UC023H UC323H
	600								
	class I class II								
for motor operator	300								
	class II				UC321HM	UC322HM		UC321HM	
	400								
class II									
600									
class II									

		MCCBs, trip-free switches 400 and 630A h400-h630			MCCBs, 800 and 1000A h1000		MCCBs, 1250 and 1600A h1600	
	800	350	600	800	600	800	600	800

Equipment kits length (mm)	Load break switches with visible breaking 100 to 400A		HA switches, visual breaking 160 to 1600A		Modular devices: 10 □ (w.350 mm) 24 □ (w. 600 mm)		<ul style="list-style-type: none"> - full front plates + - grids for special devices - DIN rails for terminals  width 600 mm UC951 <ul style="list-style-type: none"> - equipment kits for terminals  width 600 mm height 150 mm UC209		
	350	600	350	600	350	600	350	600	600
50 mm							 UC221	 UC231	
75 mm							 UC220	 UC230	
100 mm								 UC239	
150 mm					 UC200	 UC201	 UC222	 UC232	
200 mm						 UC205	 UC223	 UC233	
300 mm	 UC310H  UC332	 UC311H + HY170	 UC008  UC009	 UC001 (160A)  UC003 (250/400A)			 UC224	 UC234	 UC960
400 mm		 UC335					 UC225	 UC235	 UC692 (450 mm)
600 mm				 UC005 (160A)  UC270 (1600A)			 UC226	 UC236	 UC964

**Equipment kits for h3 MCCBs
x160, x250, h250 LSI, h630 LSI**
Double classe II
For direct or rotary handle

Composition :
- 1 lowered symmetrical DIN rail,
fixed on a mounting plate with 4
class II insulated legs
- 1 sheet metal front plate

- fixing accessories

Capacity :
width 500 mm space for one more
device.

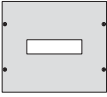
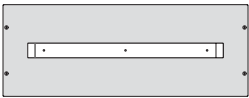
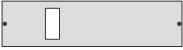
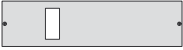
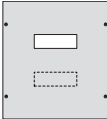
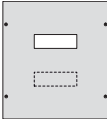


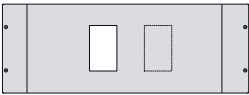
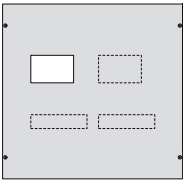
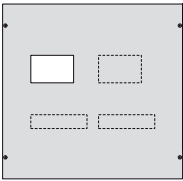


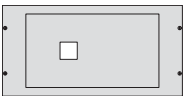
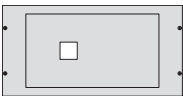
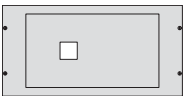
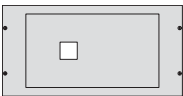
**Equipment kits for switches
with visible breaking 160 to
1600 A**

- For direct or rotary handle

Composition :

- 1 insulated mounting plate for
the main device
- 1 sheet metal front plate
- fixing accessories.

The mounting plate for versions
160 and 250/400 A in width 500
mm are fitted with a symmetrical
DIN rail to receive a set of
distribution blocks.

Designation	Characteristics	Height (mm)	Width (mm)	Cat. ref. class I	class II
 UC010H / UC310H	Equipment kits for MCCBs x160 - for direct or rotary handle:	vertical layout with or without add-on block	300 600 800	UC010H UC011H UC012H	UC310H UC311H UC312H
 UC012H / UC312H	Equipment kits for MCCBs x250 - for direct or rotary handle:	horizontal layout without add-on block	150 800	UC013H UC014H	UC313H UC314H
 UC013H / UC313H	Equipment kits for MCCBs x250 - for direct or rotary handle:	vertical layout without add-on block	300 600 800	UC020H UC021H UC022H	UC320H UC321H UC322H
 UC013H / UC313H	Equipment kits for MCCBs x250 - for direct or rotary handle:	vertical layout with add-on block	400 600 800	UC030H UC023H UC024H	UC330H UC323H UC324H
 UC030H / UC330H	Equipment kits for MCCBs x250 - for motor operator:	horizontal layout with or without add-on block	200 800	UC127H UC128H	UC427H UC428H
 UC030H / UC330H	Equipment kits for MCCBs x250 - for motor operator:	vertical layout without add-on block	300 800	- -	UC321HM UC322HM
 UC128H / UC428H	Equipment kits for MCCBs h250 LSI - for direct or rotary handle:	vertical layout	300 600	UC020H UC021H	UC320H UC321H
 UC128H / UC428H	Equipment kits for MCCBs h250 LSI - for direct or rotary handle:	horizontal layout	200 800	- -	UC427HL UC428HL
 UC322HM	Equipment kits for MCCBs h250 LSI - for motor operator:	vertical layout without add-on block	300 800	- -	UC321HM UC322HM
 UC145H / UC445H	Equipment kits for MCCBs h630 LSI - for direct or rotary handle:	vertical layout without add-on block	400 600 800	UC140H UC141H UC142H	UC440H UC441H UC442H
 UC145H / UC445H	Equipment kits for MCCBs h630 LSI - for direct or rotary handle:	vertical layout with add-on block	600 600 800	UC144H UC145H UC146H	UC444H UC445H UC446H
 UC147H / UC447H	Equipment kits for MCCBs h630 LSI - for motor operator:	horizontal layout with or without add-on block	200 800	UC147H UC148H	UC447H UC448H
 UC147H / UC447H	Equipment kits for MCCBs h630 LSI - for motor operator:	vertical layout without add-on block	400 800	- -	UC441HM UC442HM
 UC001	Equipment kits for switches with visible breaking 160 to 1600 A	kits for switches 160 A HA452	300 600	- -	UC008 UC001
 UC001	Equipment kits for switches with visible breaking 160 to 1600 A	kits for switches 250/400 A HA454, HA457	250 600	- -	UC009 UC003
 UC001	Equipment kits for switches with visible breaking 160 to 1600 A	kits for switches 630 A HA458	600 600	- -	UC005
 UC001	Equipment kits for switches with visible breaking 160 to 1600 A	kits for switches 800 à 1600 A	600 600	- -	UC270

**Equipment kits for h3 MCCBs
h1000 LSI and h1600 LSI
Class I version**

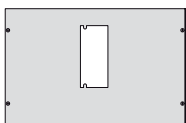
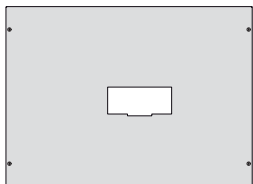
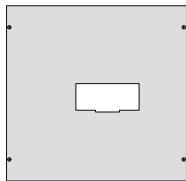
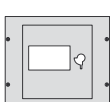
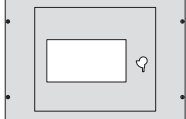


- Composition :
- 1 metal mounting plate
- 1 sheet metal front plate
- fixing accessories

**class II double insulation
version**

- Composition :
- 1 mounting plate with 4 class II
insulated fixing legs
- 1 sheet metal front plate
- fixing accessories

**Equipment kits for switches
with visible breaking
100 à 400 A
double isolation class II**

- Composition :
- 1 mounting plate with 4 class II
insulated fixing legs
- 1 sheet metal front plate
- various accessories

Designation	Characteristics	Height (mm)	Width (mm)	Cat. ref. class I	class II	
 UC054H / UC354H	Equipment kits for MCCBs h1000 LSI					
	- for direct or rotary handle:	horizontal layout	400	600 800	UC054H UC055H	UC354H UC355H
 UC061H / UC361H		vertical layout	600	600 800	UC050H UC051H	UC350H UC351H
	- for motor operator:	vertical layout	600	600 800	- -	UC350HM UC351HM
 UC0610H / UC3610H	Equipment kits for MCCBs h1600 LSI					
	- for direct or rotary handle:	vertical layout	600	600 800	UC060H UC061H	UC360H UC361H
 UC0606HM		vertical layout	600	600 800	- -	UC360HM UC361HM
	- for motor operator:					
 UC060HM	Equipment kits for switches with visible breaking 100 to 400 A double isolation class II	kits for switches HA 100 to 200 A	300	350 600	- -	UC310H UC311H
		kits for switches 250 A HA964N with direct control	300	350	-	UC332
 UC332		kits for switches 400 A HA966N with direct control	400	600	-	UC335
	 UC335					


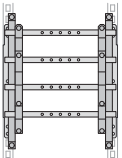
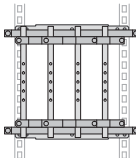
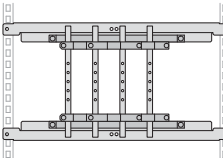
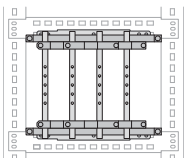
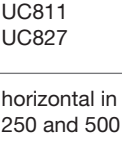
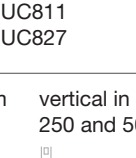
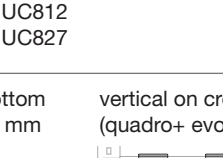
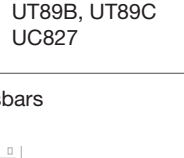

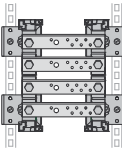
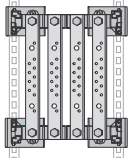
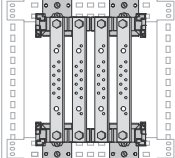

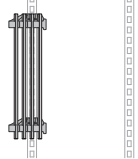
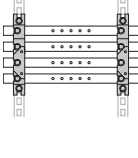
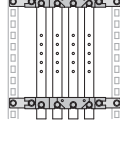
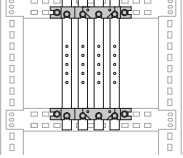

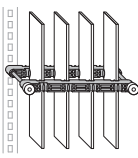
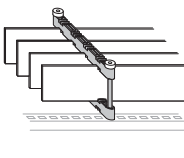
Several systems allow to ensure the electric distribution in the enclosures quadro4, quadro5 and quadro+ evo :

- flat busbars,
- inclined busbars,
- side busbars,
- staged bars,
- 4 poles supports

Distribution systems complete the offer:

- single pole distribution blocks
- multi-plug repartitors
- 80 to 160A modular distribution blocks

A range of connectors allow to ensure the electrical link among some incoming devices and the distribution systems.

Busbar supports	In	Copper bars	Application and accessories (crossbars, brackets, protective screen)			
Flat busbars  UC820	160 A	12 x 5 mm KS72B, KS72C	horizontal in bottom 250 and 500 mm	vertical in bottom 250 mm	vertical in bottom 500 mm	vertical on crossbars (quadro+ evo)
	250 A	20 x 5 mm UC832				
	400 A	30 x 5 mm UM30A1, UM30A2 UM30A5				
	630 A	30 x 10 mm UM30A4	UC811 UC827	UC811 UC827	UC812 UC827	UT89B, UT89C UC827
Inclined busbars  UC826	250 A	20 x 5 mm UC832	horizontal in bottom 250 and 500 mm	vertical in bottom 250 and 500 mm	vertical on crossbars (quadro+ evo)	
	400 A	32 x 5 mm UC842				
	630 A	30 x 10 mm UM30A4, UM30A5	UC828	UC828	UT89C, UT89B	
Side busbars  UC830	250 A	20 x 5 mm UC832	on pillars in bottom			
						
			UC834			
Staged busbars  UC815	250 A	20 x 5 mm UC832	horizontal in bottom 250 and 500 mm	vertical in bottom 250 mm	vertical on crossbars (quadro5, quadro+ evo)	
	400 A	32 x 5 mm UC842				
			UC816	UC816 - UC988	UC288 (sheath 200 mm), UT89A (sheath 300 mm), UT89B - UT89C	
4 poles support (quadro+ evo only)  UC824 UC823	500 A	50 x 5 mm UC844	horizontal	vertical		
	630 A	63 x 5 mm UC922				
	800 A	80 x 5 mm UC 966	UT81H, UC821, FN690 or FN690E, FN896 or FN896E, mount with supports UC825 or UC822	UC821, UC825 UT89A or FN873E (sheath 300 mm), UT89B or FN875E		
	1000 A	100 x 5 mm UC967				
	1250 A	2 x 80 x 5 mm 2 x UC967				
1600 A	2 x 100 x 5 mm 2 x UC967					

Flat busbars to compose from 160 to 630A

To mount on bottoms of quadro4, quadro5 enclosures and on quadro+ evo crossbars:
- rear vertical mounting especially adapted to carry out busbars behind the modular devices
- vertical mounting in bottom
- horizontal mounting.

Inclined busbars to compose from 250 A to 630A

To mount behind the front plate.

Horizontal mounting possible on 250 and 500 mm bottom widths, vertical mounting possible on 250 mm bottom widths.

Busbars supports to compose 500 to 1600 A

To mount vertical and horizontal distribution busbars in quadro+ evo cells.

Up to 2 copper bars per pole.

For copper bars :

- 400 A, 50 x 5 mm
- 630 A, 63 x 10 mm
- 800 A, 80 x 5 mm
- 1000 A, 100 x 5 mm



UC820

Designation	Characteristics	Cat. ref.
-------------	-----------------	-----------

Flat busbars to compose from 160 to 630A includes: 1 support 3 M6 screws 2 pillars for protective screen	for copper bars : - 160 A, 12 x 5 mm - 250 A, 20 x 5 mm - 400 A, 32 x 5 mm - 630 A, 30 x 10 mm	UC820
---	--	--------------

Rear vertical busbars delivered with 2 cage nut and 2 M6 screws	for bottom width 250 mm	UC812
---	-------------------------	--------------

Vertical busbar in bottom delivered with 2 cage nut and 2 M6 screws	mounting on 250 mm width bottom horizontal mounting on 250 mm and 500 mm width bottoms	UC811
---	---	--------------

Protective screen to cut to the right dimensions	- width : 294 mm - height : 990 mm	UC827
--	---------------------------------------	--------------

Inclined busbars to compose from 250 A to 630A, behind the front plate

4P support 2 supports delivered with : - 4 fixing parts - 8 cage nut - 16 M6 screws and 8 M8 screws - 4 pillars for protective screen	for copper bars : - 250 A, 20 x 5 mm - 400 A, 32 x 5 mm - 630 A, 30 x 10 mm	UC826
---	--	--------------

Protective screen To be adapted in length	- length : 212 mm - height : 990 mm	UC828
---	--	--------------



UC824

Busbars supports to compose 500 to 1600 A

3 poles support		UC823
------------------------	--	--------------

4 poles support for copper bars 1 support delivered with screws and fixing parts		UC824
--	--	--------------



UC821

Mounting brackets	to mount on supports: UC824 and UC823	UC821
--------------------------	--	--------------


Busbars bearing for vertical mounted copper bars	for 3P distribution	UC822
--	---------------------	--------------

	for 4P distribution	UC825
--	---------------------	--------------

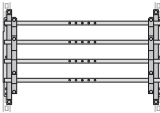
includes:
- 1 support
- screw and fixing parts for the mounting on crossbars

Busbars short-circuits withstand capacity

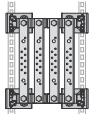
Vertical mounting

Busbars fixing	nominal current	bars sections (mm)	bars supports max. distance depending on short-circuit current (mm)					
			10 kA	15 kA	20 kA	25 kA	30 kA	35 kA
 UC820 $I_n \leq 630 \text{ A}$ $I_{cc} \leq 35 \text{ kA}$	160 A	12 x 5	1000	475	250	650	425	300
	250 A	20 x 5	1000	1000	950			
	400 A	30 x 5	1000	1000	1000	850	550	375
	630 A	30 x 10	1000	1000	1000	1000	900	625


Horizontal mounting

Busbars fixing	nominal current	bars sections (mm)	short-circuit current depending on bottom width for quadro4, quadro5 et quadro+ evo	
			250 mm	500 mm
 UC820 $I_n \leq 630 \text{ A}$ $I_{cc} \leq 35 \text{ kA}$	160 A	12 x 5	20 kA	15 kA
	250 A	20 x 5	35 kA	30 kA
	400 A	30 x 5	45 kA	34 kA
	630 A	30 x 10	55 kA	45 kA

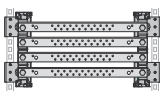
Inclined busbars

Busbars fixing	nominal current	bars sections (mm)	short-circuit current depending on bottom width for quadro4, quadro5 et quadro+ evo					
			10 kA	15 kA	20 kA	25 kA	30 kA	35 kA
 UC826 $I_n \leq 630 \text{ A}$ $I_{cc} \leq 35 \text{ kA}$	250 A	20 x 5	1000	1000	1000	825	650	425
	400 A	32 x 5	1000	1000	1000	1000	925	625
	630 A	30 x 10	1000	1000	1000	1000	925	650

Busbars supports (only for quadro+ evo)

Busbars fixing	nominal current	bars sections (mm)	bars supports max. distance "d" depending on short-circuit current (mm)											
			12 kA		23 kA		30 kA		39 kA		52 kA		70 kA	
 UC824 UC823 $I_n \leq 1600 \text{ A}$ $I_{cc} \leq 70 \text{ kA}$			3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
	500 A	50 x 5	1475	1350	800	725	625	575	450	425	350	325	250	225
	630 A	63 x 5	1600	1600	925	850	725	650	525	475	400	375	300	275
	800 A	80 x 5	1600	1600	1075	957	825	775	600	550	450	425	350	325
	1000 A	100 x 5	1600	1600	1225	1125	950	900	700	550	252	500	400	325
	1250 A	80 x 5 x 2	1600	1600	1050	1025	825	800	600	575	450	450	350	325
	1600 A	100 x 5 x 2	1600	1600	1250	1200	975	950	725	700	550	525	400	400

Inclined horizontal bars mounting

Busbars fixing	nominal current	bars sections (mm)	short-circuit current depending on bottom width for quadro4, quadro5 et quadro+ evo	
			250 mm	500 mm
 UC826 $I_n \leq 630 \text{ A}$ $I_{cc} \leq 35 \text{ kA}$	250 A	20 x 5	35 kA	35 kA
	400 A	32 x 5	45 kA	35 kA
	630 A	30 x 10	45 kA	35 kA

Main switchboards



Sets of side bars quadro 250 A to be composed

To mount in the sides of quadro enclosures.
Icc peak: 36 kA
Fixing centers of the supports: 225 mm

Sets of staged bars In 250 and 400 A - to be composed

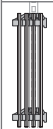
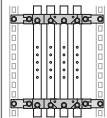
For vertical installation in the cable sheaths of the quadro4, quadro5 and quadro+ evo enclosures.

Possibility to install them directly on the bottoms of the quadro4, quadro5 and quadro+ evo enclosures, without using the crossbars.

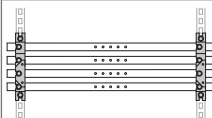
Designation	Characteristics	Sheath length	Cat. ref.
 UC830	Sets of side bars quadro 250 A to be composed 4 pole supports 2 supports delivered	for copper bars : - 250 A, 20 x 5 mm	UC830
	Protective screen	length: 1000 mm	UC834
	Sets of staged bars In 250 and 400 A to be composed 4 pole supports 1 support delivered with 6 M6 screws and 2 cage nuts	for copper bars : - 250 A, 20 x 5 mm - 400 A, 32 x 5 mm	
 UC815	Universal crossbars	for quadro5, quadro+ evo cable sleeve	200 mm UC288
		for quadro4 width 370 for quadro5 width 450 for quadro+ evo width 400, 450	250 mm UC988
	Protective screen kit delivered with screw	length: 620 mm	UC816

Bars short-circuit withstand capacity

Vertical mounting

busbars fixing	nominal current	bars section (mm)	bars supports max. distance depending on short-circuit current (mm)					
			10 kA	15 kA	20 kA	25 kA	30 kA	35 kA
 In ≤ 250 A Icc ≤ 25 kA UC830	250 A	20 x 5			300	200		
 In ≤ 400 A Icc ≤ 35 kA UC815	250 A	20 x 5	1000	1000	925	745	580	435
	400 A	32 x 5	1000	1000	895	655	510	385

Horizontal mounting

busbars fixing	nominal current	bars section (mm)	short-circuit current depending on bottom width for quadro4, quadro5 et quadro+ evo	
			250 mm	500 mm
 In ≤ 630 A Icc ≤ 35 kA UC815	250 A	20 x 5	35 kA	35 kA
	400 A	32 x 5	40 kA	34 kA

Copper bars and screws

The copper bars are mounted on the supports, according to :
- the section to use, thus intensity
- length on demand

The connection screws must be ordered separately for the bars from 250 to 1000A.

Designation	Characteristics In	Length	Cat. ref.
Copper bars	160 A : 12 x 5 mm copper bar, M5 tapped, delivered with screw	245 mm	KS72B
		1000 mm	KS72C
	250 A : 20 x 5 mm copper bar, M6 tapped	1000 mm	UC832
		25 x 5 mm copper bar, M6 tapped	1750 mm
	400 A : 32 x 5 mm copper bar, M6 tapped	1000 mm	UC842
		30 x 5 mm copper bar, M6 tapped	280 mm
	50 x 5 mm copper bar, M10 tapped	430 mm	UM30A1
		880 mm	UM30A2
		1750 mm	UC844
	630 A : 30 x 10 mm copper bar, M6 tapped	430 mm	UM30A4
		880 mm	UM30A5
	63 x 5 mm copper bar, M10 tapped	1750 mm	UC922
	800 A : 80 x 5 mm copper bar, M10 tapped	1750 mm	UC966
		1000 A : 100 x 5 mm copper bar, M10 tapped	1750 mm
Screws	self thread forming screws M6 x 10		
	connection screws M6 x 12 with washers		UC851
	connection screws M8 x 30 with washers		UC853
	connection screws M10 x 30 with washers		UC855

Main
switchboards

Single pole distribution blocks

- monoblocs, insulated, grey colour,
- clip fixing on mounting plate DIN rail of the main devices kit, lcc peak : 36 kA




- facilitate phases balancing
- incoming connection by 4 screw ranges
- outgoing connection by insulated flexible connectors with automatic lock.

- 12 black insulated wire connectors H07 V-K : 6 x 6mm² (blue) and 12 x 6mm² (black)
- 2 quadro mounting legs
- 2 unifers fixing brackets.

Multi-plug 4P repartitors 250 A

- bridging of all types of equipments 2, 3 and 4 poles placed on the same DIN rail

- Delivered with:
- 6 blue insulated wire connectors H07 V-K, 6 x 6mm² (blue) and 12 x 6mm² (black)





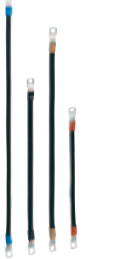

	Designation	Characteristics	Length	Cat. ref.
 KJ02A	Single pole distribution blocks for copper conductors	125 A : incoming : 1 x 70 mm ² outgoing : 6 x 16 mm ²	27 mm	KJ02D
		160 A : incoming : 1 x 70 mm ² outgoing : 6 x 16 mm ²	35 mm	KJ02C
		250 A : incoming : 1 x 95 mm ² outgoing : 2 x 25 mm ² , 5 x 16 mm ² , 4 x 10 mm ²	45 mm	KJ02A
		400 A : incoming : 1 x 150 mm ² outgoing : 2 x 25 mm ² , 5 x 16 mm ² , 4 x 10 mm ²	46 mm	KJ02B
 KJ03A	Multi-plug 4P repartitors Implementation in 620 or 700 mm width quadro enclosures.	60 connection points per pole sections: 6 mm ² and 10 mm ² Acceptable In under 40 °C : - per pole : 250 A, - 40 A with connector 6 mm ² - 63 A with connector 10 mm ² lcc peak : 60 kA Un : 500 V ~ - 50 Hz	without connectors	KJ03A
			with connectors	KJ03B
 KZ007	Connectors (end) to crimp for 6 mm ² flexible wire			KZ007

Designation	In	Section	Cat. ref.	
			blue	black
Connectors for multi-plug repartitors 250 A	40 A	6 mm ²	KZ001	KZ002
flexible connectors insulated wire serial H07 V-K	40 A	6 mm ²	KZ051	KZ052
length : 120 mm	63 A	10 mm ²	KZ004	KZ005
	63 A	10 mm ²	KZ074	KZ075

Connectors



To carry out connections between incoming devices and distribution system (set of busbars, distribution blocks).

- h3 MCCBs :
x250, h250 LSI, h630 LSI

	Designation	Characteristics	Cat. ref.
 UC877	<p>Connectors to connect x250 and h250 LSI MCCBs to the inclined bars set UC826 mounted in 250 mm width</p>	<p>includes : - 4 cable with lugs, 20 x 3 mm²</p> <p>possible mounting : quadro4 - quadro5</p>	<p>UC877</p>
 UC868	<p>to connect h630 LSI MCCBs to inclined bars set UC826 mounted in 250 mm width</p>	<p>includes : - 4 cables, 25 x 6 mm²</p> <p>possible mounting : quadro4 - quadro5</p>	<p>UC868</p>
 UC875	<p>to connect the horizontal mounted x250 and h250 LSI MCCBs in 500 mm width to bars set UC820 mounted behind modular devices in 500 mm width</p>	<p>includes : - 4 cables, 25 x 6 mm²</p> <p>possible mounting : quadro4 - quadro5</p>	<p>UC875</p>
 UC871	<p>Incoming kits to supply the horizontal mounted x250 and h250 LSI MCCBs in 500 mm width</p>	<p>includes : - 1 support for cable incoming (maxi 70 mm²) - 4 cables 70 mm² with lugs</p> <p>possible mounting : quadro4 - quadro5 - quadro+ evo</p>	<p>UC871</p>
 UC869	<p>to connect the horizontal mounted x250 and h250 LSI MCCBs in 500 mm width to inclined bars set UC826 horizontal mounted</p>	<p>includes : - 4 cables 70 mm² with lugs</p> <p>possible mounting : quadro4 - quadro5 - quadro+ evo</p>	<p>UC869</p>
 UC879	<p>Link connection to connect x250 et h250 LSI MCCBs to bars set UC826 mounted behind the modular devices in 500 mm width</p>	<p>- 4 cables 70 mm² with lugs</p> <p>possible mounting : quadro4 - quadro5 - quadro+ evo</p>	<p>UC879</p>

Link connectors and bars

To carry out connections between incoming devices and distribution system (set of busbars, repartitor blocks).

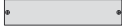


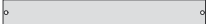
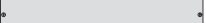


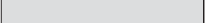




	Designation	Characteristics	Length	Cat. ref.
 <p>UC870</p>	<p>Link connectors to connect the switches HA406N, HA407, HA408 to distribution blocks KJ02 fixed on the same line</p>	<p>includes : - 4 cables H 07-V-K black 50 mm² length 450 mm with lugs</p>		UC870
	<p>Link connectors to connect the switches HA452 / HA454 to distribution blocks KJ02 fixed beside the switch</p>	<p>includes : - 4 flexible connectors 20 x 3 mm</p>		UC874
 <p>UC876</p>	<p>Link connectors to connect the switches HA452/ HA454 to the side busbars</p>	<p>1 set includes : - 4 flexible connectors 20 x 3 mm</p>		UC876
	 <p>UM92Y</p>	<p>Flexible copper bars to connect the switches HA452/ HA454 to the side busbars</p>	<p>160 A section 20 x 2 mm</p>	2 m
<p>250 A section 20 x 3 mm</p>		2 m	UM92Y	
<p>400 A section 32 x 4 mm</p>		2 m	UM92Z	
<p>630 A section 32 x 6 mm</p>		2 m	UM92W	
<p>800 A section 40 x 6 mm</p>		2 m	UM92V	

Equipment kits for modular devices

Available in height 150 mm and 200 mm, their positioning is facilitated by gauges delivered with each kit.

The DIN rail supports allow a fast fixing by clipping on the bottom of the enclosure. Front plates are mounted with screws included in the kit.

Equipment kits for terminals
Available in height 150 mm, DIN rail adjustable in depth, 20° inclinable.

	Designation	Characteristics	Cat. ref.	
	Equipment kits for modular devices	length 250 mm equipment 1 row 10	150 mm	UC200
UC200	delivered with :			
	- modular DIN rail for shoulder devices 45 mm	length 500 mm equipment 1 row 24	150 mm	UC201
UC201	- sheet metal front plate	equipment 1 row 24	200 mm	UC205
	Equipment kits for terminals	length 500 mm equipment 1 row 22	150 mm	UC209
	delivered with DIN rail and front plate			
	Full front plates			
		50 mm	250 mm	UC221 UC231
UC231			500 mm	
		75 mm		UC220 UC230
UC230				
		100 mm		UC239
UC239				
		150 mm		UC222 UC232
UC232				
		200 mm		UC223 UC233
UC235				
		300 mm		UC224 UC234
		400 mm		UC225 UC235
		600 mm		UC226 UC236
	Adjustable DIN rails	for width 500 mm length 400 mm, 22°		UC951
	in depth for terminals, 20° inclinable			
	Perforated mounting plates	length : 500 mm height: 300 mm		UC960
	for special devices			
	delivered with fixing supports	450 mm		UC962
UC962		600 mm		UC964
	Clips nuts and M5 screws	1 set = 25 nuts		UC969
	for perforated mounting plates			
	Hinges for front plates	set of 2 hinges to mount on the left or the right side of the front plate		UC268
UC268				

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.

Universal crossbars




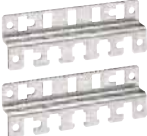
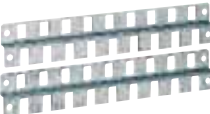



Allow :

- either to maintain the cables using a clamp
- or to mount a vertical DIN rail to create a terminal block

Cable spreader box

insulating material, RAL 9010

Fixed on the top or the bottom part of the enclosures, these trunkings allow the enlargement and the arrangement of the incoming and outgoing cables and ensure the junction between the enclosures and the vertical trunking.

	Designation	Characteristics	Length	Cat. ref.
	Vertical slotted trunking delivered with cover	length 60 mm, height 80 mm	2000 mm	UC916
	Horizontal slotted trunking delivered with cover	length 30 mm, height 80 mm	250 mm	UC911
			500 mm	UC912
	Fixing supports vertical and horizontal sheaths on the bottom of the quadro enclosures			UC915
	Cable straps (1 set = 20 pieces)	large volume		UZ25V1
		small volume		UZ25V2
	Cable guides (1 set = 20 pieces)	fixing centres 150 mm		UZ01V1
	Universal crossbars	for 200 mm cable sheaths in 900 mm width quadro5	width : 185 mm	UC288
			width : 250 mm	UC988
			width : 500 mm	UC289
	Blanking strips	24 modules length		JP024
	Marking strips for modular front plates	includes : - adhesive transparent label holder - marking strip	length : 10 ■	JE001
			length : 24 ■	JE003
	Horizontal separations	metal partitions for quadro4 and quadro5	length : 620 mm	FC664
	Cable spreader boxes	height : 195 mm depth : 155 mm	length : 300 mm	FZ441
	includes : - 2 fixing brackets		length : 550 mm	FZ442
	- 1 bottom plate		length : 800 mm	FZ443
	- 1 cover		length : 1050 mm	FZ444
	- 2 side cover plates			

UC916

UC915

UZ25V1 UZ25V2

UC288

UC988

JP024

JE003

FZ442

Incoming earth terminal blocks

To mount on supplied 80mm spacers.

Outgoing connectors for PE conductors

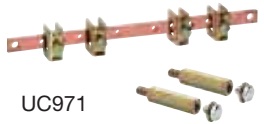

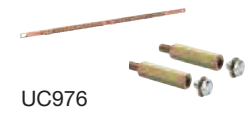



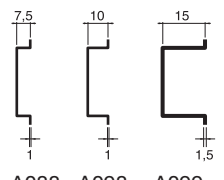





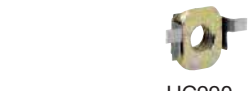


To mount on supplied 80mm spacers, possibility to add

Quick Connect terminals.

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

Mounting rail

For terminals blocks vertical or horizontal mounting.
Length: 2 m.

	Designation	Characteristics		Cat. ref.
 UC971	Incoming earth terminal blocks	can be completed with the staples below	width : 250 mm	UC971
			width : 500 mm	UC972
 K070 K074	Staples for above terminal blocks	cable section	16 mm ²	K070
			35 mm ²	K071
			70 mm ²	K073
			95 mm ²	K074
 UC976	Outgoing connectors 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
 UC992	Outgoing connectors quickconnect pour le raccordement des conducteurs PE	includes : - 1 DIN rail - support KN00A - terminal block KN26E - 2 nuts + 2 screws - delivered with 2 decked terminals for UC976S	width : 250 mm	UC975S
			width : 500 mm	UC976S
 A099	Metal spacers	height : 80 mm M6 screw		UC992
 A088 A098 A099	Symmetrical DIN rails DIN 46277/3 width: 35 mm		depth : 7,5 mm	A088
			depth : 10 mm	A098
			depth : 15 mm	A099
 A099E A099B	Symmetrical DIN rails perforated		width 15 mm DIN 46277/2	depth : 5 mm A099E
			width 35 mm DIN 46277/3	depth : 5 mm A099B
 A099C	DIN rail for structure		width 250 mm	depth : 15 mm A099C
 A050	Special screws M6	for rail A099C		A099D
 UC990	Asymmetrical DIN rails DIN 46277/1			A050
 UC991	Cage nuts M6			UC990
	M6 x 12 screws			UC991

Main switchboards