

# Electrical installation solutions for buildings

## Subdistribution boards

<b>Index</b>	
<b>ComfortLine</b>	<b>22/2</b>
Compact distribution boards	22/2
Wall-mounting cabinets	22/46
<b>TwinLine</b>	<b>22/74</b>
TwinLine N44	22/76
TwinLine N55	22/80
<b>TwinLine N accessories</b>	<b>22/102</b>
<b>Interior expansion system CombiLine N</b>	<b>22/148</b>
<b>TwinLine busbars</b>	<b>22/226</b>
<b>Busbars TriLine system and pro E power system</b>	<b>22/232</b>
<b>Interior expansion system CombiLine N</b>	<b>22/246</b>
<b>Interior expansion system parts</b>	<b>22/258</b>
<b>Interior expansion system with distribution panels/combination sets</b>	<b>22/293</b>
<b>System pro E® energy</b>	<b>22/344</b>
System pro E® energy L	22/348
System pro E® energy M	22/358
System pro E® energy combi	22/374

## Subdistribution boards

ComfortLine Compact CA and U compact distribution boards

For wall- and flush-mounting



CA25AVM



U52K

Cabinet type	CA / enclosures for wall-mounting				U / enclosures for flush- and hollow-wall mounting			
Degree of protection	IP 30 / IP 44				IP 30 / IP 31			
Protection class	II				II			
Depth	160 mm				120 mm			
Panel width	1	2	3	4	1	2	3	4
3 Grid units	●	●	-	-	-	●	-	-
4 Grid units	●	●	●	-	●	●	●	-
5 Grid units	●	●	●	●	●	●	●	●
6 Grid units	●	●	●	●	●	●	●	●
7 Grid units	●	●	●	●	-	●	●	-
8 Grid units	●	●	●	-	-	-	-	-

## Subdistribution boards

ComfortLine Compact distribution boards

Complete media enclosures and panels for empty cabinets



### Technical specifications

Media enclosures complete with integrated media panels

Media panels for empty cabinets

Choice of four different doors

Media panels with perforated sheet steel mounting plate without cover

With fitted DIN rail

Wire holders included

Quick mounting of the devices without drilling

The protection class is dependent on the respective internal configuration



01

- 01  
Four door variants:  
- Standard doors  
- Transparent door  
- Doors with ventilation holes  
- WiFi-doors

- 02  
Wire holder for a neat  
installation and fast  
wiring



02

- 03  
Rubber holder for quick and  
easy mounting of devices



03

## Subdistribution boards

ComfortLine Compact CA distribution boards

For wall-mounting with distribution panels and sheet steel door







Technical specifications	
<b>Standards/regulations</b>	DIN EN 61439-1/-3
<b>Protection class</b>	II, double insulated I, earthed in connection with earthing set (accessories)
<b>Degree of protection</b>	IP44
<b>Mechanical impact strength</b>	IK07
<b>Rated current</b>	$I_{nA}$ up to 125 A
Product features	
<b>Enclosures and doors</b>	Made of sheet steel, colour white RAL 9016, powder-coated With depth level compensation One top mounted membrane flange per panel width Door opening angle 120° Double-wing doors on cabinets with three or more panel widths Doors with espagnolette closure Plastic covers with quick-action screw With cable strain relief
<b>Internal configuration options</b>	DIN rail spacing 125 mm/150 mm Panels for rail mounting devices with N/PE Quick-terminals (1x ZK221 per panel width) Panels for terminal blocks: without N/PE Quick-terminals and DIN rails in double insulated assembly Mounting plates
<b>Delivery forms</b>	Enclosure with door Labelling system included in the scope of delivery
<b>Accessories</b>	Cable entry covers Lock replacement parts

## Subdistribution boards

ComfortLine Compact CA distribution boards






For wall-mounting with distribution panels and sheet steel door

Article	PW	GU	SU	External dimensions H × W × D (mm)	Type	Order code	Price
<b>For rail mounting devices with N/PE quick terminals, DIN rail spacing 125 mm</b>							
	1	3	36	500 × 300 × 160	CA13V	2CPX052180R9999	
		4	48	650 × 300 × 160	CA14V	2CPX052181R9999	
		5	60	800 × 300 × 160	CA15V	2CPX052182R9999	
		6	72	950 × 300 × 160	CA16V	2CPX052183R9999	
<b>CA13V</b>							
	2	3	72	500 × 550 × 160	CA23V	2CPX052184R9999	
		4	96	650 × 550 × 160	CA24V	2CPX052185R9999	
		5	120	800 × 550 × 160	CA25V	2CPX052186R9999	
		6	144	950 × 550 × 160	CA26V	2CPX052187R9999	
		7	168	1 100 × 550 × 160	CA27V	2CPX052188R9999	
		8	192	1 250 × 550 × 160	CA28V	2CPX052189R9999	
<b>CA24V</b>							
	3 (2/1)	4	144	650 × 800 × 160	CA34V	2CPX052190R9999	
		5	180	800 × 800 × 160	CA35V	2CPX052191R9999	
		6	216	950 × 800 × 160	CA36V	2CPX052192R9999	
		7	252	1 100 × 800 × 160	CA37V	2CPX052193R9999	
		8	288	1 250 × 800 × 160	CA38V	2CPX052194R9999	
<b>CA35V</b>							
	4 (2/2)	5	240	800 × 1 050 × 160	CA45V	2CPX052195R9999	
<b>CA45V</b>							

## Subdistribution boards

ComfortLine Compact CA distribution boards






For wall-mounting with distribution panels and sheet steel door

Article	PW	GU	SU	External dimensions H × W × D (mm)	Type	Order code	Price
<b>For rail mounting devices with N/PE quick terminals, DIN rail spacing 150 mm</b>							
	1	3	36	650 × 300 × 160	CA14R	2CPX052229R9999	
		4	48	800 × 300 × 160	CA15R	2CPX052230R9999	
		5	60	950 × 300 × 160	CA16R	2CPX052231R9999	
		6	72	1 100 × 300 × 160	CA17R	2CPX052232R9999	
		7	84	1 250 × 300 × 160	CA18R	2CPX052233R9999	
<b>CA14R</b>							
	2	2	48	500 × 550 × 160	CA23R	2CPX052234R9999	
		3	72	650 × 550 × 160	CA24R	2CPX052235R9999	
		4	96	800 × 550 × 160	CA25R	2CPX052236R9999	
		5	120	950 × 550 × 160	CA26R	2CPX052237R9999	
		6	144	1 100 × 550 × 160	CA27R	2CPX052238R9999	
<b>CA23R</b>							
	3 (2/1)	3	108	650 × 800 × 160	CA34R	2CPX052240R9999	
		4	144	800 × 800 × 160	CA35R	2CPX052241R9999	
		5	180	950 × 800 × 160	CA36R	2CPX052242R9999	
		6	216	1 100 × 800 × 160	CA37R	2CPX052243R9999	
		7	252	1 250 × 800 × 160	CA38R	2CPX052244R9999	
<b>CA34R</b>							
	4 (2/2)	4	192	800 × 1 050 × 160	CA45R	2CPX052245R9999	
<b>CA45R</b>							
<b>For rail mounting devices with N/PE screw terminals, DIN rail spacing 150 mm, with closing flange</b>							
	1	3	36	650 × 300 × 160	CA14RZ1	2CPX052277R9999	
		4	48	800 × 300 × 160	CA15RZ1	2CPX052278R9999	
		5	60	950 × 300 × 160	CA16RZ1	2CPX052279R9999	
	2	2	48	500 × 550 × 160	CA23RZ1	2CPX052280R9999	
		3	72	650 × 550 × 160	CA24RZ1	2CPX052281R9999	
		4	96	800 × 550 × 160	CA25RZ1	2CPX052282R9999	
		5	120	950 × 550 × 160	CA26RZ1	2CPX052283R9999	
		6	144	1 100 × 550 × 160	CA27RZ1	2CPX052284R9999	
	3 (2/1)	3	108	650 × 800 × 160	CA34RZ1	2CPX052285R9999	
		4	144	800 × 800 × 160	CA35RZ1	2CPX052286R9999	
		5	180	950 × 800 × 160	CA36RZ1	2CPX052287R9999	
	4 (2/2)	6	216	1 100 × 800 × 160	CA37RZ1	2CPX052288R9999	
		7	252	1 250 × 800 × 160	CA38RZ1	2CPX052289R9999	
<b>CA34RZ1</b>							

## Subdistribution boards

ComfortLine Compact CA distribution boards

For wall-mounting with distribution panels and sheet steel door

Article	PW	GU	RK/REG	SU	External dimensions H × W × D (mm)	Type	Order code	Price
<b>For rail mounting devices (REG) and terminal blocks (RK), DIN rail spacing 125 mm</b>								
	2	5	2/3	72	800 × 550 × 160	CA25K	2CPX052290R9999	
		6	2/4	96	950 × 550 × 160	CA26K	2CPX052291R9999	
		7	3/4	96	1 100 × 550 × 160	CA27K	2CPX052292R9999	
		7	2/5	120	1 100 × 550 × 160	CA27K2	2CPX052564R9999	
		8	3/5	120	1 250 × 550 × 160	CA28K	2CPX052293R9999	
<b>CA25K</b>								
	3 (2/1)	5	2/3	108	800 × 800 × 160	CA35K	2CPX052294R9999	
		6	2/4	144	950 × 800 × 160	CA36K	2CPX052295R9999	
		7	3/4	144	1 100 × 800 × 160	CA37K	2CPX052296R9999	
		7	2/5	180	1 100 × 800 × 160	CA37K2	2CPX052565R9999	
		8	3/5	180	1 250 × 800 × 160	CA38K	2CPX052297R9999	
<b>CA35K</b>								
	4 (2/2)	5	2/3	144	800 × 1050 × 160	CA45K	2CPX052298R9999	
		6	2/4	192	950 × 1050 × 160	CA46K	2CPX052299R9999	
		7	2/5	240	1100 x 1050 x160	CA47K2	2CPX052561R9999	
<b>CA46K</b>								
<b>For rail mounting devices with N/PE quick terminals and mounting plate, DIN rail spacing 125 mm</b>								
	2 (1/1)	4		48	650 × 550 × 160	CA24VP	2CPX052300R9999	
<b>CA24VP</b>								
	3 (2/1)	5		120	800 × 800 × 160	CA35VP	2CPX052301R9999	
<b>CA35VP</b>								

## Subdistribution boards

ComfortLine Compact CA distribution boards  
With distribution panels and media panel



### Technical specifications

<b>Standards/regulations</b>	DIN EN 61439-1/-3
<b>Protection class</b>	II, double insulated I, earthed in connection with earthing set (accessories)
<b>Protection class</b>	With sheet steel door IP44 With sheet steel door ventilated IP30 With sheet steel door ventilated and plastic insert IP30
<b>Mechanical impact strength</b>	IK07
<b>Rated current</b>	$I_{nA}$ up to 125 A

### Product features



<b>Enclosures and doors</b>	Made of sheet steel, colour white RAL 9016, powder-coated With depth level compensation One top mounted membrane flange per panel width Door opening angle 120° Double-wing doors on cabinets with three or more panel widths Doors with espagnolette closure Plastic covers for distribution board panels With cable strain relief
<b>Internal configuration options</b>	DIN rail spacing 125 mm Panels for rail mounting devices with N/PE Quick-terminals (1x ZK221 per panel width) Perforated sheet steel mounting plates preassembled
<b>Delivery forms</b>	Enclosure with door Labelling system included in the scope of delivery Wire holders included in the scope of delivery
<b>Accessories</b>	Cable entry covers Lock replacement parts Power plugs Patchpanel



## Subdistribution boards

ComfortLine Compact CA distribution boards

With distribution panels and media panel

Article	PW	GU	SU	External dimensions		Type	Order code	Price
				H × W × D (mm)				
<b>Multimedia enclosures for wall-mounting with integrated media panel, DIN rail spacing 125 mm</b>								
Sheet steel door IP44								
	2	3	36	500 × 550 × 160		CA23VM	2CPX052205R9999	
		4	48	650 × 550 × 160		CA24VM	2CPX052206R9999	
		5	60	800 × 550 × 160		CA25VM	2CPX052207R9999	
		6	72	950 × 550 × 160		CA26VM	2CPX052208R9999	
		7	84	1 100 × 550 × 160		CA27VM	2CPX052209R9999	
		8	96	1 250 × 550 × 160		CA28VM	2CPX052210R9999	
		Sheet steel door with ventilation holes IP30						
CA24VM	2	4	48	650 × 550 × 160		CA24VML	2CPX052211R9999	
		5	60	800 × 550 × 160		CA25VML	2CPX052212R9999	
		6	72	950 × 550 × 160		CA26VML	2CPX052213R9999	
		7	84	1 100 × 550 × 160		CA27VML	2CPX052214R9999	
		8	96	1 250 × 550 × 160		CA28VML	2CPX052215R9999	
Sheet steel door with ventilation holes and plastic inserts partially transparent white for improved WiFi signal IP30								
	2	4	48	650 × 550 × 160		CA24VMW	2CPX052220R9999	
		5	60	800 × 550 × 160		CA25VMW	2CPX052221R9999	
		6	72	950 × 550 × 160		CA26VMW	2CPX052222R9999	
		7	84	1 100 × 550 × 160		CA27VMW	2CPX052223R9999	
		8	96	1 250 × 550 × 160		CA28VMW	2CPX052224R9999	
Sheet steel door with ventilation holes IP30								
	3 (2/1)	5	120	800 × 800 × 160		CA35VML	2CPX052216R9999	
		6	144	950 × 800 × 160		CA36VML	2CPX052217R9999	
		7	168	1 100 × 800 × 160		CA37VML	2CPX052218R9999	
		8	192	1 250 × 800 × 160		CA38VML	2CPX052219R9999	
Sheet steel door with ventilation holes and plastic inserts partially transparent white for improved WiFi signal IP30								
CA35VML	3 (2/1)	5	120	800 × 800 × 160		CA35VMW	2CPX052225R9999	
		6	144	950 × 800 × 160		CA36VMW	2CPX052226R9999	
		7	168	1 100 × 800 × 160		CA37VMW	2CPX052227R9999	
		8	192	1 250 × 800 × 160		CA38VMW	2CPX052228R9999	

## Subdistribution boards

ComfortLine Compact CA distribution boards

For wall-mounting, empty cabinets with door



CA24

### Technical specifications

<b>Standards/regulations</b>	DIN EN 61439-1/-3
<b>Protection class</b>	II, double insulated
	I, earthed in connection with earthing set (accessories)
<b>Protection class</b>	With sheet steel door up to IP44
	Without door IP30*
<b>Mechanical impact strength</b>	IK07
<b>Rated current</b>	$I_{NA}$ up to 125 A

### Product features





<b>Enclosures and doors</b>	Made of sheet steel, colour white RAL 9016, powder-coated With depth level compensation One top mounted membrane flange per panel width Door opening angle 120° Double-wing doors on cabinets with three or more panel widths Doors with espagnolette closure With cable strain relief
<b>Internal configuration options</b>	Prepared to be fitted with CombiLine modules, distribution panels and media panels Without N/PE Quick-terminals
<b>Delivery forms</b>	Enclosure with door
<b>Accessories</b>	Cable entry covers Lock replacement parts Media panels Distribution panels CombiLine modules

\* For an internal configuration as sub-distribution board with distribution panels or CombiLine modules

## Subdistribution boards

ComfortLine Compact CA distribution boards

For wall-mounting, empty cabinets with door

Article	PW	GU	SU	External dimensions		Type	Order code	Price		
				H × W × D (mm)						
 CA13	1	3	36	500 × 300 × 160	CA13	2CPX052142R9999				
			48	650 × 300 × 160	CA14	2CPX052143R9999				
			60	800 × 300 × 160	CA15	2CPX052144R9999				
			72	950 × 300 × 160	CA16	2CPX052145R9999				
			84	1 100 × 300 × 160	CA17	2CPX052146R9999				
			96	1 250 × 300 × 160	CA18	2CPX052147R9999				
			 CA24	2	3	72	500 × 550 × 160	CA23	2CPX052148R9999	
						96	650 × 550 × 160	CA24	2CPX052149R9999	
120	800 × 550 × 160	CA25				2CPX052150R9999				
144	950 × 550 × 160	CA26				2CPX052151R9999				
168	1 100 × 550 × 160	CA27				2CPX052152R9999				
192	1 250 × 550 × 160	CA28				2CPX052153R9999				
 CA24	3	4				144	650 × 800 × 160	CA34	2CPX052154R9999	
						180	800 × 800 × 160	CA35	2CPX052155R9999	
			216	950 × 800 × 160	CA36	2CPX052156R9999				
			252	1 100 × 800 × 160	CA37	2CPX052157R9999				
			288	1 250 × 800 × 160	CA38	2CPX052158R9999				
			 CA35	4	5	240	800 × 1 050 × 160	CA45	2CPX052159R9999	
288	950 × 1 050 × 160	CA46				2CPX052160R9999				
336	1 100 × 1 050 × 160	CA47				2CPX052567R9999				
CA46										

> CombiLine modules and distribution panels, see main catalogue

## Subdistribution boards

ComfortLine Compact CA distribution boards

For wall-mounting, empty cabinets without door



CA24B





Technical specifications	
Standards/regulations	DIN EN 61439-1/-3
Protection class	II, double insulated
	I, earthed in connection with earthing set (accessories)
Protection class	With sheet steel door IP44
	With transparent door IP44
	With ventilation holes IP30
	With plastic insert and ventilation holes (WiFi-door) IP30
	Without door IP30*
Mechanical impact strength	IK07
Rated current	$I_{nA}$ up to 125 A
Product features	
Enclosures and doors	Made of sheet steel, colour white RAL 9016, powder-coated
	With depth level compensation
	One top mounted membrane flange per panel width
	With cable strain relief
Internal configuration options	Prepared to be fitted with CombiLine modules, distribution panels and media panels
	Without N/PE Quick-terminals
Delivery forms	Enclosure without door
Accessories	Cable entry covers
	Lock replacement parts
	Sheet steel- and transparent doors
	Media panels
	Distribution panels
	CombiLine modules

\* For an internal configuration as sub-distribution board with distribution panels or CombiLine modules

## Subdistribution boards

ComfortLine Compact CA distribution boards

For wall-mounting, empty cabinets without door



Article	PW	GU	SU	External dimensions H × W × D (mm)	Type	Order code	Price
 <b>CA13B</b>	1	3	36	500 × 300 × 160	CA13B	2CPX052161R9999	
		4	48	650 × 300 × 160	CA14B	2CPX052162R9999	
		5	60	800 × 300 × 160	CA15B	2CPX052163R9999	
		6	72	950 × 300 × 160	CA16B	2CPX052164R9999	
		7	84	1 100 × 300 × 160	CA17B	2CPX052165R9999	
		8	96	1 250 × 300 × 160	CA18B	2CPX052166R9999	
 <b>CA24B</b>	2	3	72	500 × 550 × 160	CA23B	2CPX052167R9999	
		4	96	650 × 550 × 160	CA24B	2CPX052168R9999	
		5	120	800 × 550 × 160	CA25B	2CPX052169R9999	
		6	144	950 × 550 × 160	CA26B	2CPX052170R9999	
		7	168	1 100 × 550 × 160	CA27B	2CPX052171R9999	
		8	192	1 250 × 550 × 160	CA28B	2CPX052172R9999	
 <b>CA35B</b>	3	4	144	650 × 800 × 160	CA34B	2CPX052173R9999	
		5	180	800 × 800 × 160	CA35B	2CPX052174R9999	
		6	216	950 × 800 × 160	CA36B	2CPX052175R9999	
		7	252	1 100 × 800 × 160	CA37B	2CPX052176R9999	
		8	288	1 250 × 800 × 160	CA38B	2CPX052177R9999	
		 <b>CA46B</b>	4	5	240	800 × 1 050 × 160	CA45B
6	288			950 × 1 050 × 160	CA46B	2CPX052179R9999	
7	336			1 100 × 1 050 × 160	CA47B	2CPX052568R9999	

> CombiLine modules and distribution panels, see main catalogue

## Subdistribution boards

ComfortLine Compact CA distribution boards

Accessories sheet steel and transparent doors



Article	PW	GU	To be used with cabinet	Door without closure			Door with closure			
				Type	Order code	Price	Type	Order code	Price	
<b>Sheet steel doors</b>										
 <b>CTB24S</b>	1	3	CA13, ...	-	-		CTB13S	2CPX052318R9999		
		4	CA14, ...	-	-		CTB14S	2CPX052321R9999		
		5	CA15, ...	-	-		CTB15S	2CPX052324R9999		
		6	CA16, ...	-	-		CTB16S	2CPX052327R9999		
		7	CA17, ...	-	-		CTB17S	2CPX052330R9999		
		8	CA18, ...	-	-		CTB18S	2CPX052333R9999		
		2	3	CA23, ...	-	-		CTB23S	2CPX052319R9999	
			4	CA24, ...	-	-		CTB24S	2CPX052322R9999	
	5		CA25, ...	-	-		CTB25S	2CPX052325R9999		
	6		CA26, ...	-	-		CTB26S	2CPX052328R9999		
	7		CA27, ...	-	-		CTB27S	2CPX052331R9999		
	8		CA28, ...	-	-		CTB28S	2CPX052334R9999		
	3*		4	CA34, ...	CTB14	2CPX052306R9999		CTB24S	2CPX052322R9999	
			5	CA35, ...	CTB15	2CPX052308R9999		CTB25S	2CPX052325R9999	
		6	CA36, ...	CTB16	2CPX052310R9999		CTB26S	2CPX052328R9999		
		7	CA37, ...	CTB17	2CPX052312R9999		CTB27S	2CPX052331R9999		
		8	CA38, ...	CTB18	2CPX052314R9999		CTB28S	2CPX052334R9999		
	4*	5	CA45, ...	CTB25	2CPX052309R9999		CTB25S	2CPX052325R9999		
		6	CA46, ...	CTB26	2CPX052311R9999		CTB26S	2CPX052328R9999		
		7	CA47, ...	CTB27	2CPX052313R9999		CTB27S	2CPX052331R9999		
	<b>Transparent doors</b>									
	 <b>CTT24S</b>	1	3	CA13, ...	-	-		CTT13S	2CPX052353R9999	
			4	CA14, ...	-	-		CTT14S	2CPX052356R9999	
			5	CA15, ...	-	-		CTT15S	2CPX052359R9999	
			6	CA16, ...	-	-		CTT16S	2CPX052362R9999	
			7	CA17, ...	-	-		CTT17S	2CPX052365R9999	
			8	CA18, ...	-	-		CTT18S	2CPX052368R9999	
			2	3	CA23, ...	-	-		CTT23S	2CPX052354R9999
4				CA24, ...	-	-		CTT24S	2CPX052357R9999	
5		CA25, ...		-	-		CTT25S	2CPX052360R9999		
6		CA26, ...		-	-		CTT26S	2CPX052363R9999		
7		CA27, ...		-	-		CTT27S	2CPX052366R9999		
8		CA28, ...		-	-		CTT28S	2CPX052369R9999		
3*		4		CA34, ...	CTT14	2CPX052341R9999		CTT24S	2CPX052357R9999	
		5		CA35, ...	CTT15	2CPX052343R9999		CTT25S	2CPX052360R9999	
		6	CA36, ...	CTT16	2CPX052345R9999		CTT26S	2CPX052363R9999		
		7	CA37, ...	CTT17	2CPX052347R9999		CTT27S	2CPX052366R9999		
		8	CA38, ...	CTT18	2CPX052349R9999		CTT28S	2CPX052369R9999		
4*		5	CA45, ...	CTT25	2CPX052344R9999		CTT25S	2CPX052360R9999		
		6	CA46, ...	CTT26	2CPX052346R9999		CTT26S	2CPX052363R9999		
		7	CA47, ...	CTT27	2CPX052348R9999		CTB27S	2CPX052366R9999		

\* Double-wing doors on cabinets with three or more panel widths

## Subdistribution boards

ComfortLine Compact CA distribution boards

Accessories sheet steel doors with ventilation holes and plastic insert





Article	PW	GU	To be used with cabinet	Door without closure			Door with closure			
				Type	Order code	Price	Type	Order code	Price	
<b>Sheet steel doors with ventilation holes</b>										
	1	3	CA13, ...	-	-		CTL13S	2CPX052374R9999		
		4	CA14, ...	-	-		CTL14S	2CPX052376R9999		
		5	CA15, ...	-	-		CTL15S	2CPX052378R9999		
		6	CA16, ...	-	-		CTL16S	2CPX052380R9999		
		7	CA17, ...	-	-		CTL17S	2CPX052382R9999		
		8	CA18, ...	-	-		CTL18S	2CPX052484R9999		
		2	3	CA23, ...	-	-		CTL23S	2CPX052375R9999	
			4	CA24, ...	-	-		CTL24S	2CPX052377R9999	
	5		CA25, ...	-	-		CTL25S	2CPX052379R9999		
	6		CA26, ...	-	-		CTL26S	2CPX052381R9999		
	7		CA27, ...	-	-		CTL27S	2CPX052383R9999		
	8		CA28, ...	-	-		CTL28S	2CPX052485R9999		
	3*		4	CA34, ...	-	-		CTL24S	2CPX052377R9999	
			5	CA35, ...	-	-		CTL25S	2CPX052379R9999	
		6	CA36, ...	-	-		CTL26S	2CPX052381R9999		
		7	CA37, ...	-	-		CTL27S	2CPX052383R9999		
8		CA38, ...	-	-		CTL28S	2CPX052485R9999			
<b>Sheet steel door with plastic insert and ventilation holes (WiFi-door)</b>										
		1	3	CA13, ...	-	-		CTW13S	2CPX052388R9999	
			4	CA14, ...	-	-		CTW14S	2CPX052390R9999	
	5		CA15, ...	-	-		CTW15S	2CPX052392R9999		
	6		CA16, ...	-	-		CTW16S	2CPX052394R9999		
	7		CA17, ...	-	-		CTW17S	2CPX052396R9999		
	8		CA18, ...	-	-		CTW18S	2CPX052486R9999		
	2		3	CA23, ...	-	-		CTW23S	2CPX052389R9999	
			4	CA24, ...	-	-		CTW24S	2CPX052391R9999	
		5	CA25, ...	-	-		CTW25S	2CPX052393R9999		
		6	CA26, ...	-	-		CTW26S	2CPX052395R9999		
		7	CA27, ...	-	-		CTW27S	2CPX052397R9999		
		8	CA28, ...	-	-		CTW28S	2CPX052487R9999		
		3*	4	CA34, ...	-	-		CTW24S	2CPX052391R9999	
			5	CA35, ...	-	-		CTW25S	2CPX052393R9999	
	6		CA36, ...	-	-		CTW26S	2CPX052395R9999		
	7		CA37, ...	-	-		CTW27S	2CPX052397R9999		
8	CA38, ...		-	-		CTW28S	2CPX052487R9999			

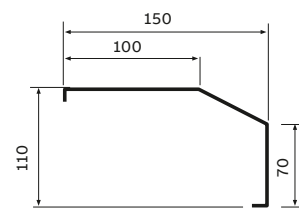
\* Double-wing doors on cabinets with three or more panel widths

## Subdistribution boards

ComfortLine Compact CA distribution boards

Accessories cable entry covers

Article		Pcs.	Type	Order code	Price
 <b>KB19</b>	<b>Cable entry covers</b> With end plates and fixing brackets, colour RAL 9016, matching the colour of the cabinets				
	Panel width 1, width 300 mm	1	KB19	2CPX044049R9999	
	Panel width 2, width 550 mm	1	KB29	2CPX044050R9999	
	Panel width 3, width 800 mm	1	KB39	2CPX044051R9999	
	Panel width 4, width 1050 mm	1	KB49	2CPX044052R9999	
 <b>KB219</b>	<b>Profile</b> Colour RAL 9016, height 2000 mm	1	KB219	2CPX044055R9999	
 <b>KBS9</b>	<b>End plate left/right</b> Colour RAL 9016	2	KBS9	2CPX044057R9999	
 <b>KBW1</b>	<b>Mounting bracket</b>	1	KBW1	2CPX044058R9999	



Cross section cable entry cover





## Subdistribution boards

U Compact distribution boards for flush- and hollow-wall mounting\*  
With distribution panels and sheet steel door



U52K






Technical specifications	
Standards/regulations	DIN EN 61439-1/-3
Protection class	II, double insulated
	I, earthed in connection with earthing set (accessories)
Protection class	IP31
Mechanical impact strength	IK08
Rated current	$I_{nA}$ up to 125 A
Product features	
Enclosures and doors	Made of sheet steel, colour white RAL 9016, powder-coated Door opening angle 120° Double-wing doors on cabinets with three or more panel widths Doors with espagnolette closure Plastic covers with quick-action screw With cable strain relief
Internal configuration options	DIN rail spacing 125 mm/150 mm Panels for rail mounting devices with N/PE Quick-terminals (1x ZK220 per panel width) Panels for terminal blocks: without N/PE Quick-terminals and DIN rails in double insulated assembly Mounting plates
Delivery forms	Enclosure with trim frame and door Trim frame with adjustment to the plaster surface One nipple flange per panel width included in the scope of delivery Labelling system included in the scope of delivery
Accessories	Hollow-wall mounting set for flush-mounted consumer units Lock replacement parts

\* In connection with hollow-wall mounting set ZKV200P4

## Subdistribution boards

U Compact distribution boards for flush- and hollow-wall mounting\*

With distribution panels and sheet steel door





Article	PW	GU	SU	Wall cut out dimensions H × W × D (mm)	Trim frame dimensions H × W × D (mm)	Type	Order code	Price	
<b>For DIN rail mounting devices, DIN rail spacing 125 mm</b>									
	1	4	48	684 × 310 × 120	694 × 354 × 27	U41	2CPX030101R9999		
		5	60	834 × 310 × 120	844 × 354 × 27	U51	2CPX030104R9999		
		6	72	984 × 310 × 120	994 × 354 × 27	U61	2CPX030110R9999		
<b>U41</b>									
	2	4	96	684 × 560 × 120	694 × 604 × 27	U42	2CPX030102R9999		
		5	120	834 × 560 × 120	844 × 604 × 27	U52	2CPX030105R9999		
		6	144	984 × 560 × 120	994 × 604 × 27	U62	2CPX030111R9999		
		7	168	1 134 × 560 × 120	1 144 × 604 × 27	U72	2CPX030114R9999		
<b>U52</b>									
	2	(1/1)	3	72	534 × 560 × 120	544 × 604 × 27	U32	2CPX030100R9999	
			4	96	684 × 560 × 120	694 × 604 × 27	U42/2	2CPX030118R9999	
			5	120	834 × 560 × 120	844 × 604 × 27	U52/2	2CPX030119R9999	
<b>U42/2</b>									
	3	(2/1)	4	144	684 × 810 × 120	694 × 854 × 27	U43	2CPX030103R9999	
			5	180	834 × 810 × 120	844 × 854 × 27	U53	2CPX030107R9999	
			6	216	984 × 810 × 120	994 × 854 × 27	U63	2CPX071787R9999	
<b>U53</b>									
	4	(2/2)	5	240	834 × 1 060 × 120	844 × 1 104 × 27	U54	2CPX071784R9999	
			<b>U54</b>						

\* In connection with hollow-wall mounting set ZKV200P4

## Subdistribution boards

U Compact distribution boards for flush- and hollow-wall mounting\*

With distribution panels and sheet steel door






Article	PW	GU	SU	Wall cut out dimensions H × W × D (mm)	Trim frame dimensions H × W × D (mm)	Type	Order code	Price
<b>For DIN rail mounting devices, DIN rail spacing 150 mm</b>								
	1	3	36	684 × 310 × 120	694 × 354 × 27	U41R3	2CPX071708R9999	
		4	48	834 × 310 × 120	844 × 354 × 27	U51R4	2CPX071711R9999	
		5	60	984 × 310 × 120	994 × 354 × 27	U61R5	2CPX071715R9999	
<b>U41R3</b>								
	2	2	48	534 × 560 × 120	544 × 604 × 27	U32R2	2CPX071707R9999	
		3	72	684 × 560 × 120	694 × 604 × 27	U42R3	2CPX071709R9999	
		4	96	834 × 560 × 120	844 × 604 × 27	U52R4	2CPX071712R9999	
		5	120	984 × 560 × 120	994 × 604 × 27	U62R5	2CPX071716R9999	
		6	144	1 134 × 560 × 120	1 144 × 604 × 27	U72R6	2CPX071718R9999	
<b>U42R3</b>								
	3	3	108	684 × 810 × 120	694 × 854 × 27	U43R3	2CPX071710R9999	
	(2/1)	4	144	834 × 810 × 120	844 × 854 × 27	U53R4	2CPX071713R9999	
		5	180	984 × 810 × 120	994 × 854 × 27	U63R5	2CPX071717R9999	
		6	216	1 134 × 810 × 120	1 144 × 854 × 27	U73R6	2CPX071719R9999	
<b>U53R4</b>								
	4	4	192	834 × 1 060 × 120	844 × 1 104 × 27	U54R4	2CPX071714R9999	
<b>U54R4</b>								

\* In connection with hollow-wall mounting set ZKV200P4

## Subdistribution boards

U Compact distribution boards for flush- and hollow-wall mounting\*

With distribution panels and sheet steel door

Article	PW	GU	RK/REG	SU	Wall cut out	Trim frame	Type	Order code	Price
					dimensions	dimensions			
					H × W × D (mm)	H × W × D (mm)			
<b>For rail mounting devices (REG) and terminal blocks (RK), DIN rail spacing 125 mm</b>									
	2	5	2/3	72	834 × 560 × 120	844 × 604 × 27	U52K	2CPX030106R9999	
		6	2/4	96	984 × 560 × 120	994 × 604 × 27	U62K	2CPX030112R9999	
		7	3/4	96	1 134 × 560 × 120	1 144 × 604 × 27	U72K	2CPX030115R9999	
<b>U52K</b>									
	3	5	2/3	108	834 × 810 × 120	844 × 854 × 27	U53K	2CPX030108R9999	
	(2/1)	6	2/4	144	984 × 810 × 120	994 × 854 × 27	U63K	2CPX030113R9999	
		7	3/4	144	1 134 × 810 × 120	1 144 × 854 × 27	U73K	2CPX030116R9999	
<b>U53K</b>									
	4	5	2/4	144	834 × 1 060 × 120	844 × 1 104 × 27	U54K	2CPX030109R9999	
	(2/2)	6	3/4	192	984 × 1 060 × 120	994 × 1 104 × 27	U64K	2CPX030117R9999	
<b>U54K</b>									
<b>For DIN rail mounting devices and mounting plate, DIN rail spacing 125 mm</b>									
	2	4		48	684 × 560 × 120	694 × 604 × 27	U42M	2CPX030146R9999	
<b>U42M</b>									
	3	5		120	834 × 810 × 120	844 × 854 × 27	U53M	2CPX030147R9999	
<b>U53M</b>									

\* In connection with hollow-wall mounting set ZKV200P4

## Subdistribution boards

U Media enclosures for flush-mounting and hollow-wall mounting\*

Compact distribution boards with distribution panels and media panel




Technical specifications	
<b>Standards/regulations</b>	DIN EN 61439-1/-3
<b>Protection class</b>	II, double insulated
<b>Protection class</b>	I, earthed in connection with earthing set (accessories)
<b>Protection class</b>	With sheet steel door IP31
<b>Protection class</b>	With sheet steel door ventilated IP30
<b>Protection class</b>	With sheet steel door ventilated and plastic insert IP30
<b>Mechanical impact strength</b>	IK07
<b>Rated current</b>	$I_{na}$ up to 125 A
Product features	
<b>Enclosures and doors</b>	Made of sheet steel, colour white RAL 9016, powder-coated
	Door opening angle 120°
	Double-wing doors on cabinets with three or more panel widths
	Doors with espagnolette closure
	Plastic covers for distribution board panels
	With cable strain relief
<b>Internal configuration options</b>	DIN rail spacing 125 mm
	Panels for rail mounting devices with N/PE Quick-terminals (1x ZK220 per panel width)
	Perforated sheet steel mounting plates preassembled
<b>Delivery forms</b>	Enclosure with trim frame and door
	Trim frame with adjustment to the plaster surface
	One nipple flange per panel width included in the scope of delivery
	Labelling system included in the scope of delivery
	Wire holder included in the scope of delivery
<b>Accessories</b>	Hollow-wall mounting set for flush-mounted consumer units
	Lock replacement parts
	Safety contact sockets
	Patchpanel

\* In connection with hollow-wall mounting set ZKV200P4

## Subdistribution boards

U Media enclosures for flush-mounting and hollow-wall mounting\*

Compact distribution boards with distribution panels and media panel

Article	PW	GU	SU	Wall cut out dimensions H × W × D (mm)	Trim frame dimensions H × W × D (mm)	Type	Order code	Price
<b>Media enclosures for flush- and hollow-wall mounting* with media panel, DIN rail spacing 125 mm</b>								
With sheet steel door, IP31								
	2	3	36	534 × 560 × 120	544 × 604 × 27	U32MM	2CPX030088R9999	
		4	48	684 × 560 × 120	694 × 604 × 27	U42MM	2CPX030160R9999	
		5	60	834 × 560 × 120	844 × 604 × 27	U52MM	2CPX030161R9999	
		6	72	984 × 560 × 120	994 × 604 × 27	U62MM	2CPX030162R9999	
Sheet steel door with ventilation holes IP30								
U42MM	2	4	48	684 × 560 × 120	694 × 604 × 27	U42MML	2CPX030290R9999	
		5	60	834 × 560 × 120	844 × 604 × 27	U52MML	2CPX030291R9999	
		6	72	984 × 560 × 120	994 × 604 × 27	U62MML	2CPX030292R9999	
Sheet steel door ventilated with plastic insert, partially transparent white for improved WiFi-signal, IP30								
U42MM	2	4	48	684 × 560 × 120	694 × 604 × 27	U42MMW	2CPX030683R9999	
		5	60	834 × 560 × 120	844 × 604 × 27	U52MMW	2CPX030684R9999	
		6	72	984 × 560 × 120	994 × 604 × 27	U62MMW	2CPX030685R9999	

\* In connection with hollow-wall mounting set ZKV200P4

## Subdistribution boards

U Compact distribution boards for flush- and hollow-wall mounting\*  
 With distribution panels and picture frame door or control panel

Article	PW	GU	SU	Wall cut out dimensions H x W x D (mm)	Trim frame dimensions H x W x D (mm)	Type	Order code	Price
<b>With picture frame door</b>								
Aluminium anodized, DIN rail spacing 125 mm								
	2	4	96	684 x 560 x 120	716 x 625 x 25	U42D	2CPX038152R9999	
<b>U42D</b>								
<b>With control panel</b>								
Unprinted and unwired, distribution board panel without cover and N/PE-rail								
	2	4	96	684 x 560 x 120	716 x 625 x 25	U42FPT	2CPX038151R9999	
<b>U42FPT</b>								

\* In connection with hollow-wall mounting set ZKV200P4

Example picture frame door with decoration picture (delivery without picture)



Example control panel With layout and control lights (delivery unprinted/unwired)







## Subdistribution boards

UL Compact distribution boards for flush-mounting and hollow-wall mounting\*  
Empty cabinets without trim frame and door



UL42

Technical specifications	
Standards/regulations	DIN EN 61439-1/-3
Protection class	II, double insulated
	I, earthed in connection with earthing set (accessories)
Protection class	With sheet steel door IP31
	Mit Transparenter Tür IP31
	With ventilation holes IP30
	With plastic insert and ventilation holes (WiFi-door) IP30
	Without door IP30* <sup>1</sup>
Mechanical impact strength	IK07
Rated current	I <sub>NA</sub> up to 125 A
Product features	
Enclosures and doors	Made of sheet steel, colour white RAL 9016, powder-coated With cable strain relief
Internal configuration options	Prepared to be fitted with CombiLine modules, distribution panels and media panels Without N/PE Quick-terminals
Delivery forms	Enclosure without door One nipple flange per panel width included in the scope of delivery
Accessories	Hollow-wall mounting set for flush-mounted consumer units Trim frame with sheet steel or transparent doors Lock replacement parts Media panels Distribution panels* <sup>2</sup> CombiLine modules* <sup>2</sup>





\* In connection with hollow-wall mounting set ZKV200P4

\*<sup>1</sup> For an internal configuration as sub-distribution board with distribution panels or CombiLine modules

\*<sup>2</sup> Distribution panels und CombiLine modules, see main catalogue

## Subdistribution boards

UL Compact distribution boards for flush-mounting and hollow-wall mounting\*  
Empty cabinets without door



Article	PW	GU	SU	Wall cut out dimensions H × W × D (mm)	Type	Order code	Price
<b>Empty cabinets without door</b>							
	1	4	48	684 × 310 × 120	UL41	2CPX030756R9999	
		5	60	834 × 310 × 120	UL51	2CPX030759R9999	
		6	72	984 × 310 × 120	UL61	2CPX030763R9999	
<b>UL41</b>							
	2	3	72	534 × 560 × 120	UL32	2CPX030755R9999	
		4	96	684 × 560 × 120	UL42	2CPX030757R9999	
		5	120	834 × 560 × 120	UL52	2CPX030760R9999	
		6	144	984 × 560 × 120	UL62	2CPX030764R9999	
		7	168	1 134 × 560 × 120	UL72	2CPX030767R9999	
<b>UL42</b>							
	3	4	144	684 × 810 × 120	UL43	2CPX030758R9999	
		5	180	834 × 810 × 120	UL53	2CPX030761R9999	
		6	216	984 × 810 × 120	UL63	2CPX030765R9999	
		7	252	1 134 × 810 × 120	UL73	2CPX030768R9999	
<b>UL53</b>							
	4	5	240	834 × 1 060 × 120	UL54	2CPX030762R9999	
		6	288	984 × 1 060 × 120	UL64	2CPX030766R9999	
<b>UL64</b>							

\* In connection with hollow-wall mounting set ZKV200P4

> For an internal configuration with distribution panels or CombiLine modules in the lock area leave 2 SU empty

## Subdistribution boards

UL Compact distribution boards for flush-mounting and hollow-wall mounting\*  
Trim frame with sheet steel and transparent door\*<sup>2</sup>

Article	PW	GU	Trim frame dimensions H × W × D (mm)	To be used with ...	Type	Order code	Price
<b>Trim frame with sheet steel door*<sup>2</sup>, Powder-coated white RAL 9016</b>							
	1	4	694 × 354 × 27	UL41	BLU41	2CPX031501R9999	
		5	844 × 354 × 27	UL51	BLU51	2CPX031504R9999	
		6	994 × 354 × 27	UL61	BLU61	2CPX031508R9999	
	2	3	544 × 604 × 27	UL32	BLU32	2CPX031500R9999	
		4	694 × 604 × 27	UL42	BLU42	2CPX031502R9999	
		5	844 × 604 × 27	UL52	BLU52	2CPX031505R9999	
		6	994 × 604 × 27	UL62	BLU62	2CPX031509R9999	
	3* <sup>1</sup>	7	1 144 × 604 × 27	UL72	BLU72	2CPX031511R9999	
		4	694 × 854 × 27	UL43	BLU43	2CPX031503R9999	
		5	844 × 854 × 27	UL53	BLU53	2CPX031506R9999	
		6	994 × 854 × 27	UL63	BLU63	2CPX031510R9999	
	4* <sup>1</sup>	7	1 144 × 854 × 27	UL73	BLU73	2CPX031512R9999	
		5	844 × 1 104 × 27	UL54	BLU54	2CPX031507R9999	
		6	994 × 1 104 × 27	UL64	BLU64	2CPX031513R9999	
<b>BLU42</b>							
<b>Trim frame with transparent door*<sup>2</sup></b>							
	1	4	694 × 354 × 27	UL41	BLT41	2CPX030786R9999	
		5	844 × 354 × 27	UL51	BLT51	2CPX030789R9999	
		6	994 × 354 × 27	UL61	BLT61	2CPX030793R9999	
	2	3	544 × 604 × 27	UL32	BLT32	2CPX030785R9999	
		4	694 × 604 × 27	UL42	BLT42	2CPX030787R9999	
		5	844 × 604 × 27	UL52	BLT52	2CPX030790R9999	
		6	994 × 604 × 27	UL62	BLT62	2CPX030794R9999	
	3* <sup>1</sup>	7	1 144 × 604 × 27	UL72	BLT72	2CPX030797R9999	
		4	694 × 854 × 27	UL43	BLT43	2CPX030788R9999	
		5	844 × 854 × 27	UL53	BLT53	2CPX030791R9999	
		6	994 × 854 × 27	UL63	BLT63	2CPX030795R9999	
	4* <sup>1</sup>	7	1 144 × 854 × 27	UL73	BLT73	2CPX030798R9999	
		5	844 × 1 104 × 27	UL54	BLT54	2CPX030792R9999	
		6	994 × 1 104 × 27	UL64	BLT64	2CPX030796R9999	
<b>BLT42</b>							

\* In connection with hollow-wall mounting set ZKV200P4



\*<sup>1</sup> Double-wing doors on cabinets with three or more panel widths

\*<sup>2</sup> For device rows located behind the lock, leave at least 2 SU empty

## Subdistribution boards

Accessories for media enclosures

Trim frame with door, with ventilation holes and plastic insert

Article	PW	GU	Trim frame dimensions H x W x D (mm)	To be used with ...	Type	Order code	Price
<b>Trim frame with sheet steel door with ventilation holes*<sup>2</sup></b>							
	1	4	694 × 354 × 27	U41	BLL41	2CPX063451R9999	
		5	844 × 354 × 27	U51	BLL51	2CPX063452R9999	
		6	994 × 354 × 27	U61	BLL61	2CPX063453R9999	
	2	3	544 × 604 × 27	U32	BLL32	2CPX063454R9999	
		4	694 × 604 × 27	U42	BLL42	2CPX063455R9999	
		5	844 × 604 × 27	U52	BLL52	2CPX063456R9999	
		6	994 × 604 × 27	U62	BLL62	2CPX063457R9999	
		7	1 144 × 604 × 27	U72	BLL72	2CPX063458R9999	
	3* <sup>1</sup>	4	694 × 854 × 27	U43	BLL43	2CPX063459R9999	
		5	844 × 854 × 27	U53	BLL53	2CPX063460R9999	
		6	994 × 854 × 27	U63	BLL63	2CPX063461R9999	
		7	1 144 × 854 × 27	U73	BLL73	2CPX063462R9999	
	4* <sup>1</sup>	5	844 × 1 104 × 27	U54	BLL54	2CPX063463R9999	
		6	994 × 1 104 × 27	U64	BLL64	2CPX063464R9999	
<b>Trim frame with door and partially transparent plastic insert and ventilation holes (WiFi-door)*<sup>2</sup></b>							
	1	5	844 × 354 × 27	U51	BLW51	2CPX063438R9999	
		6	994 × 354 × 27	U61	BLW61	2CPX063439R9999	
	2	3	544 × 604 × 27	U32	BLW32	2CPX063440R9999	
		4	694 × 604 × 27	U42	BLW42	2CPX063441R9999	
		5	844 × 604 × 27	U52	BLW52	2CPX063442R9999	
		6	994 × 604 × 27	U62	BLW62	2CPX063443R9999	
		7	1 144 × 604 × 27	U72	BLW72	2CPX063444R9999	
	3* <sup>1</sup>	4	694 × 854 × 27	U43	BLW43	2CPX063445R9999	
		5	844 × 854 × 27	U53	BLW53	2CPX063446R9999	
		6	994 × 854 × 27	U63	BLW63	2CPX063447R9999	
		7	1 144 × 854 × 27	U73	BLW73	2CPX063448R9999	
	4* <sup>1</sup>	5	844 × 1 104 × 27	U54	BLW54	2CPX063449R9999	
		6	994 × 1 104 × 27	U64	BLW64	2CPX063450R9999	

**BLW52**

\* In connection with hollow-wall mounting set ZKV200P4



\*<sup>1</sup> Double-wing doors on cabinets with three or more panel widths

\*<sup>2</sup> For device rows located behind the lock, leave at least 2 SU empty

## Subdistribution boards

Compact distribution boards

Media panels for compact distribution boards empty cabinets

Article	PW	GU	Height x Width	SU	Additional GU for media	Pcs.	Type	Order code	Price	
<b>Media panels with perforated sheet steel mounting plates</b>										
	1	3	450 x 250	-	-	1	1MM00	2CPX037485R9999		
		4	600 x 250	-	-	1	1MM0	2CPX037486R9999		
		5	750 x 250	-	-	1	1MM1	2CPX037487R9999		
		6	900 x 250	-	-	1	1MM2	2CPX037488R9999		
		7	1 050 x 250	-	-	1	1MM3	2CPX037489R9999		
		8	1 200 x 250	-	-	1	1MM4	2CPX052302R9999		
		2	4	600 x 500	-	-	1	2MM0	2CPX037490R9999	
			5	750 x 500	-	-	1	2MM1	2CPX037491R9999	
	6		900 x 500	-	-	1	2MM2	2CPX037492R9999		
	7		1 050 x 500	-	-	1	2MM3	2CPX037493R9999		
	8		1 250 x 500	-	-	1	2MM4	2CPX052303R9999		
	<b>Media combination panels with perforated sheet steel mounting plates</b>									
		1	5	750 x 250	24	3	1	1MMC12	2CPX037494R9999	
			750 x 250	36	2	1	1MMC13	2CPX037495R9999		
6			900 x 250	24	4	1	1MMC22	2CPX037496R9999		
			900 x 250	36	3	1	1MMC23	2CPX037497R9999		
7			1 050 x 250	24	5	1	1MMC32	2CPX037498R9999		
			1 050 x 250	36	4	1	1MMC33	2CPX037466R9999		
			1 050 x 250	48	3	1	1MMC34	2CPX037467R9999		
8			1200 x 250	36	5	1	1MMC43	2CPX037468R9999		
			1200 x 250	48	4	1	1MMC44	2CPX037469R9999		

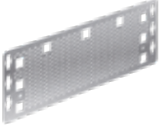


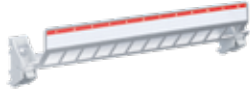





1MM2

1MMC22

## Subdistribution boards

Compact distribution boards

Accessories for CA/U and UL media enclosures











Article		Pcs.	Type	Order code	Price
 <b>UZM61M</b>	<b>Perforated sheet steel mounting plate</b> Made of sheet steel				
	1 Panel wide	1	UZM61M	2CPX031421R9999	
	2 Panel wide	1	UZM62M	2CPX031432R9999	
 <b>ZX340</b>	<b>Device holder made of rubber</b> For tool-free fastening of devices on the perforated sheet steel mounting plate including 2 fastening hooks	1	ZX340	2CPX031422R9999	
 <b>ZEP12</b>	<b>Universal patch panel incl. holder*</b> with openings for Keystone and E-Dat modules				
	1 Panel wide for 12 Keystone or E-Dat modules	1	ZEP12	2CPX054072R9999	
	2 Panel wide for 26 Keystone or E-Dat modules	1	ZEP24	2CPX054073R9999	
 <b>ZE336</b>	<b>Patch panel incl. holder*</b> Empty for communication modules, e.g. RJ45-connector, COAX-module, etc. For direct or isolated mounting to the EDF-rail, DIN rail or mounting plate				
	For 6 Keystone-modules	1	ZE335	2CPX031423R9999	
	1 Panel wide for 12 Keystone modules	1	ZE336	2CPX031424R9999	
	2 Panel wide for 24 Keystone modules	1	ZE337	2CPX031425R9999	
	1 Panel wide for 12 E-Dat modules	1	ZE332	2CPX031435R9999	
 <b>ZE338</b>	2 Panel wide for 24 E-Dat modules	1	ZE333	2CPX031436R9999	
	<b>Patch panel holder</b>	1	ZE338	2CPX031426R9999	
 <b>ZE225</b>	<b>2-fold safety contact socket</b> 230 V AC, with EURO insert, for mounting to mounting bracket ZX29	1	ZE225	2CPX061177R9999	
 <b>ZX29</b>	<b>Mounting bracket for 2-fold safety contact socket ZE225</b> For clamping onto terminal carrier or for assembling to the perforated sheet steel plate of the media enclosure and the multimedia enclosure and the media panels 1MM...	1	ZX29	2CPX061178R9999	
 <b>ZE227</b>	<b>3-fold safety contact socket</b> 230 V AC with EURO-insert, 120° rotatable, latchable with cable inlet, screwable to mounting plate or clippable to DIN rail	1	ZE227	2CPX061211R9999	
 <b>ZE339</b>	<b>Media extension set</b> Set with device holder including 2 fastening hooks, Patch panel for 12 Keystone-modules* 3-fold safety contact sockets with Euro-inserts and wire holders	1	ZE339	2CPX038146R9999	

\* For the dimensions of the knockouts for the Keystone- and E-Dat-modules, see page 18/37

## Subdistribution boards

Compact distribution boards

Accessories for CA/U and UL media enclosures

Article	Pcs.	Type	Order code	Price
  <b>ED44P10</b> <b>ED45P10</b>				
<b>Wire holder</b>				
For cable routing, for plugging into the perforated sheet steel mounting plate				
Installation depth 28.5 mm				
	10	ED44P10	2CPX062335R9999	
Installation depth 55 mm				
	10	ED45P10	2CPX062336R9999	
<b>Screws</b>				
For the holes of the perforated sheet steel mounting plate				
3.9 mm x 13 mm				
 <b>ZX287P10</b>	10	ZX287P10	2CPX061180R9999	
<b>Keystone-modules*</b>				
For installation in patch panels				
RJ45-modules				
Plastic				
 <b>ZE311</b>	1	ZE311	2CPX038612R9999	
Metal				
 <b>ZE312</b>	1	ZE312	2CPX038613R9999	
<b>COAX-module</b>				
F-connector/F-connector				
 <b>ZE316</b>	1	ZE316	2CPX039246R9999	
F-connector/EC-connector				
 <b>ZE317</b>	1	ZE317	2CPX039247R9999	
<b>COAX-module</b>				
F-connector/IEC-connector				
 <b>ZE318</b>	1	ZE318	2CPX039248R9999	
<b>LC-module 1</b>				
Duplex-connector/Duplex-connector				
For multimode fibre				
Phosphor bronze sleeve				
 <b>ZE319</b>	1	ZE319	2CPX039249R9999	
<b>Patch module RJ45</b>				
To snap onto DIN rail, 1 SU				
 <b>ZE310</b>	1	ZE310	2CPX038625R9999	

\*For the dimensions of the knockouts for the Keystone- and E-Dat-Modules, see page 18/37

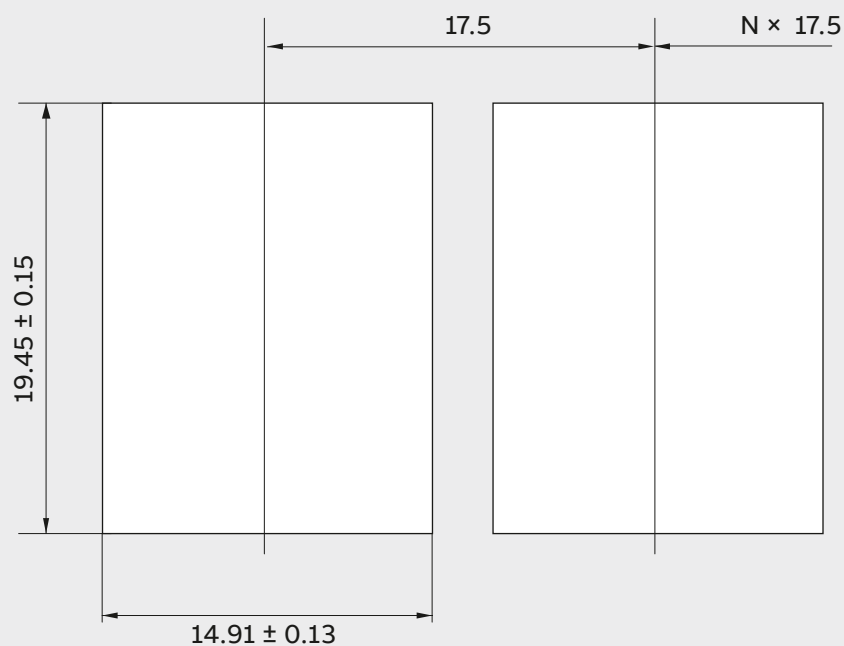


## Subdistribution boards

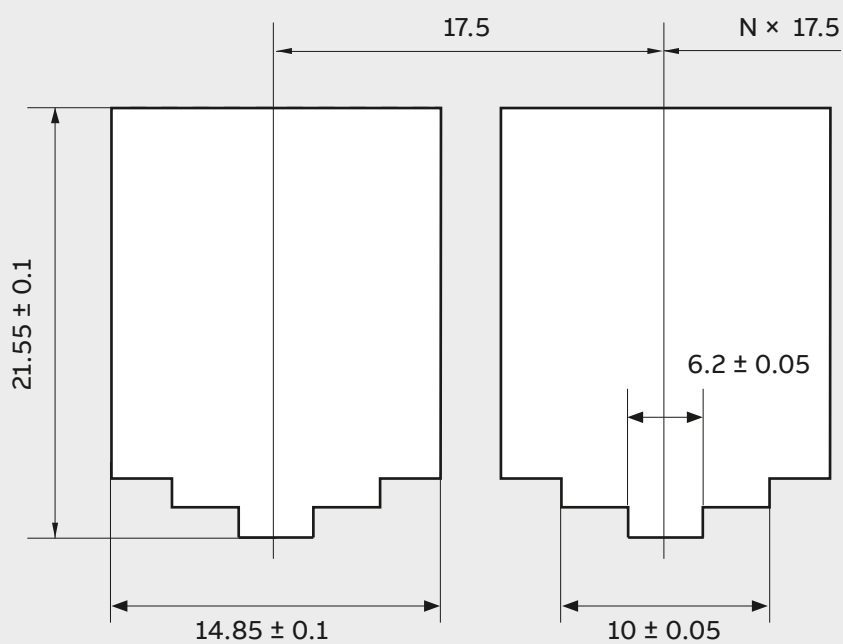
Compact distribution boards

Dimensions of the knockouts for the Keystone- and E-Dat-modules

### Knockouts Keystone-modules



### Knockouts E-Dat-modules



## Subdistribution boards

### N/PE Quick-terminals

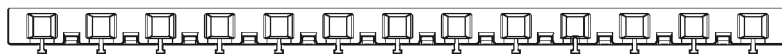
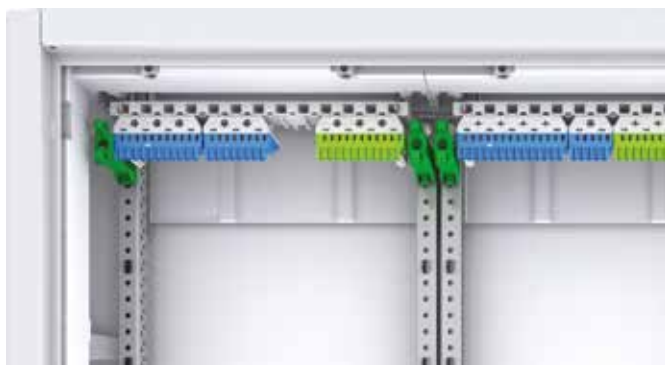
Standard-compliant, concise, flexible

#### Configure as required

Due to the modularity and the extensive range of products, you can configure the products individually and practically. Depending on requirements, various Quick-terminals can be combined on a common terminal carrier. If a larger N or PE terminal block is required, two Quick-terminal blocks can be connected with the ZK10P10 connection bridge.

#### Product benefits

- Flexible terminal system for several N-potentials: Screw connection system: 2.5 to 25 mm<sup>2</sup> for rigid conductors; for flexible conductors up to 25 mm<sup>2</sup> (ferrules required)
- Spring clamp system: 1.5 to 4 mm<sup>2</sup> for rigid conductors; for flexible conductors up to 2.5 mm<sup>2</sup> (ferrules required)
- Optimal when using several residual current circuit breakers
- Simple expansion of the Quick-terminals with connecting bridges
- Unambiguous assignment of terminal blocks through clear colour coding: N = blue, PE = yellow-green
- Simple labelling of the terminal points with pre-printed, self-adhesive number strips
- Wide range of applications: In the consumer units of the UK600 and Mistral series, in all compact distribution boards and in all wall-mounting and floor-standing cabinets



Quick-carriers Type ZK19














Units

N/PE terminal blocks with units	N Quick- Terminals	Screw connection system	Spring clamp system	PE Quick- Terminals	Screw connection system	Spring clamp system		
		ZK50B	0 × 25 mm <sup>2</sup>	5 × 1.5 - 4 mm <sup>2</sup>	-	-		
		ZK51B	1 × 25 mm <sup>2</sup>	5 × 1.5 - 4 mm <sup>2</sup>		ZK51G	1 × 25 mm <sup>2</sup>	5 × 1.5 - 4 mm <sup>2</sup>
		ZK82B	2 × 25 mm <sup>2</sup>	8 × 1.5 - 4 mm <sup>2</sup>		ZK82G	2 × 25 mm <sup>2</sup>	8 × 1.5 - 4 mm <sup>2</sup>
		ZK113B	3 × 25 mm <sup>2</sup>	11 × 1.5 - 4 mm <sup>2</sup>		ZK113G	3 × 25 mm <sup>2</sup>	11 × 1.5 - 4 mm <sup>2</sup>
		ZK144B	4 × 25 mm <sup>2</sup>	14 × 1.5 - 4 mm <sup>2</sup>		ZK144G	4 × 25 mm <sup>2</sup>	14 × 1.5 - 4 mm <sup>2</sup>
		ZK175B	5 × 25 mm <sup>2</sup>	17 × 1.5 - 4 mm <sup>2</sup>		ZK175G	5 × 25 mm <sup>2</sup>	17 × 1.5 - 4 mm <sup>2</sup>
		ZK206B	6 × 25 mm <sup>2</sup>	20 × 1.5 - 4 mm <sup>2</sup>		ZK206G	6 × 25 mm <sup>2</sup>	20 × 1.5 - 4 mm <sup>2</sup>
	ZK50BT	0 × 25 mm <sup>2</sup>	5 × 1.5 - 4 mm <sup>2</sup>	-	-	-		

## Subdistribution boards

### N/PE Quick-terminals







#### Accessories

Article	Number of terminals 1.5 - 4 mm <sup>2</sup>	Number of terminals 2,5 - 25 mm <sup>2</sup>	External dimensions H x W x D (mm)	Pcs.	Type	Order code	Price
<b>N Quick-terminals</b>							
For Quick-carriers							
 <b>ZK113B</b>	5 × 1.5 - 4	0 × 25	23 × 32 × 21	1	ZK50B	2CPX062750R9999	
	5 × 1.5 - 4	1 × 25	32 × 32 × 31	1	ZK51B	2CPX062751R9999	
	8 × 1.5 - 4	2 × 25	32 × 49 × 31	1	ZK82B	2CPX062752R9999	
	11 × 1.5 - 4	3 × 25	32 × 65 × 31	1	ZK113B	2CPX062753R9999	
	14 × 1.5 - 4	4 × 25	32 × 82 × 31	1	ZK144B	2CPX062754R9999	
	17 × 1.5 - 4	5 × 25	32 × 98 × 31	1	ZK175B	2CPX062755R9999	
	20 × 1.5 - 4	6 × 25	32 × 115 × 31	1	ZK206B	2CPX062756R9999	
	23 × 1.5 - 4	7 × 25	32 × 132 × 31	1	ZK237B	2CPX063163R9999	
26 × 1.5 - 4	8 × 25	32 × 149 × 31	1	ZK268B	2CPX063164R9999		
<b>N Quick-terminals with adapter ZK15</b>							
For lateral assembly in the UK600 and compact distribution board or to snap onto DIN rail							
 <b>ZK50BT</b>	5 × 1.5 - 4	0 × 25	28 × 39 × 25	1	ZK50BT	2CPX062745R9999	
<b>PE Quick-terminals</b>							
For Quick-carriers							
 <b>ZK113G</b>	5 × 1.5 - 4	1 × 25	32 × 32 × 31	1	ZK51G	2CPX062757R9999	
	8 × 1.5 - 4	2 × 25	32 × 49 × 31	1	ZK82G	2CPX062758R9999	
	11 × 1.5 - 4	3 × 25	32 × 65 × 31	1	ZK113G	2CPX062759R9999	
	14 × 1.5 - 4	4 × 25	32 × 82 × 31	1	ZK144G	2CPX062760R9999	
	17 × 1.5 - 4	5 × 25	32 × 98 × 31	1	ZK175G	2CPX062761R9999	
	20 × 1.5 - 4	6 × 25	32 × 115 × 31	1	ZK206G	2CPX062762R9999	
	23 × 1.5 - 4	7 × 25	32 × 132 × 31	1	ZK237G	2CPX063165R9999	
26 × 1.5 - 4	8 × 25	32 × 149 × 31	1	ZK268G	2CPX063166R9999		
<b>Accessories</b>							
 <b>ZK10P10</b>	<b>Connecting bridge</b> For Quick-terminals			10	ZK10P10	2CPX062763R9999	
 <b>ZK15</b>	<b>Adapter for ZK50B/ZK51B</b> By snapping the N Quick-terminal ZK50B/ZK51B into the adapter ZK15			1	ZK15	2CPX064984R9999	
 <b>ZK19</b>	<b>Quick-carrier</b> <b>For wall-mounted compact distribution boards ComfortLine CA</b> Usable width for Quick-terminals 214 mm, 13 units			1	ZK19	2CPX052456R9999	
 <b>ZK23</b>	<b>For wall-mounted compact distribution boards ComfortLine CA with 3 distribution rows</b> Usable width for Quick-terminals 214 mm, 13 units			1	ZK23	2CPX054423R9999	
 <b>ZK13</b>	<b>For flush-mounted compact distribution boards U</b> Usable width for Quick-terminals 214 mm, 13 units			1	ZK13	2CPX064982R9999	
 <b>CZ13</b>	<b>Holder for Quick-carrier for ComfortLine</b>			1	CZ13	2CPX052554R9999	
 <b>ZK19A</b>	<b>Quick-carrier without holder</b> <b>For expanding ZK19 or ZK221</b>			1	ZK19A	2CPX052562R9999	
 <b>ZK221</b>	<b>N/PE Quick-terminal set</b> <b>For wall-mounted compact distribution boards ComfortLine CA</b> Comprised of: Quick-carriers: ZK19 and Quick-terminals: ZK113B: N 3 × 25 + 11 × 4 mm <sup>2</sup> ZK82B: N 2 × 25 + 8 × 4 mm <sup>2</sup> ZK175G: PE 5 × 25 + 17 × 4 mm <sup>2</sup>			1	ZK221	2CPX052457R9999	
 <b>ZK222</b>	<b>For wall-mounted compact distribution boards ComfortLine CA with 3 distribution rows</b> Comprised of: Quick-carriers: ZK23 and Quick-terminals: ZK113B: N 3 × 25 + 11 × 4 mm <sup>2</sup> ZK82B: N 2 × 25 + 8 × 4 mm <sup>2</sup> ZK175G: PE 5 × 25 + 17 × 4 mm <sup>2</sup>			1	ZK222	2CPX054422R9999	
 <b>ZK220</b>	<b>For flush-mounted compact distribution boards U</b> Comprised of: Quick-carriers: ZK13 and Quick-terminals: ZK113B: N 3 × 25 + 11 × 4 mm <sup>2</sup> ZK82B: N 2 × 25 + 8 × 4 mm <sup>2</sup> ZK175G: PE 5 × 25 + 17 × 4 mm <sup>2</sup>			1	ZK220	2CPX063132R9999	

## Subdistribution boards

ComfortLine Compact CA and U distribution boards

Accessories

Article		Pcs.	Type	Order code	Price
	<b>Standard closure*</b> Delivery contains	1	CZT1	2CPX052413R9999	
	<b>Closure with lock</b> With two keys	1	CZT2	2CPX052412R9999	
<b>CZT1 CZT2</b>					
	<b>Espagnolette closure*</b> In connection with standard closure CZT1 or closure with lock CZT2				
	Overall height 3 GU	1	CZT23	2CPX052423R9999	
	Overall height 4 GU	1	CZT24	2CPX052424R9999	
	Overall height 5 GU	1	CZT25	2CPX052425R9999	
	Overall height 6 GU	1	CZT26	2CPX052426R9999	
	Overall height 7 GU	1	CZT27	2CPX052427R9999	
	Overall height 8 GU	1	CZT28	2CPX052428R9999	
<b>CZT23</b>					
	<b>Espagnolette closure</b> In connection with swivel handle CZT5, CZT6, CZT7 and TZ503, TZ504, TZ505, TZ506, TZ507 and TZ508				
	Overall height 3 GU	1	CZT23H	2CPX052416R9999	
	Overall height 4 GU	1	CZT24H	2CPX052417R9999	
	Overall height 5 GU	1	CZT25H	2CPX052418R9999	
	Overall height 6 GU	1	CZT26H	2CPX052419R9999	
	Overall height 7 GU	1	CZT27H	2CPX052420R9999	
	Overall height 8 GU	1	CZT28H	2CPX052421R9999	
<b>CZT23H</b>					
	<b>Installation set*1 *2</b>	1	CZT60	2CPX052414R9999	
	Of operating options in connection with TZ503, TZ504, TZ505, TZ506, TZ507 and TZ508				
<b>CZT60</b>					
	<b>Latch plate*2</b>				
	Double bit operating pin, 3 mm standard and 5 mm (CZT60 to be ordered separately)	1	TZ507	2CPX010491R9999	
<b>TZ507</b>	For triangular and square operating pin and for Daimler-Benz insert (CZT60 to be ordered separately)	1	TZ508	2CPX010492R9999	
	<b>Operating Pin</b>				
	Double bit 3 mm	1	ZH130	2CPX060490R9999	
	Double bit 5 mm	1	ZH131	2CPX060491R9999	
	Triangular 7 mm	1	ZH132	2CPX060492R9999	
	Triangular 8 mm	1	ZH133	2CPX060493R9999	
	Square 6 mm	1	ZH134	2CPX060494R9999	
	Square 7 mm	1	ZH135	2CPX060495R9999	
	Square 8 mm	1	ZH136	2CPX060496R9999	
Daimler-Benz insert	1	ZH137	2CPX060497R9999		
<b>ZH130 ZH132</b>					
<b>ZH134 ZH137</b>					

\* Included in scope of delivery









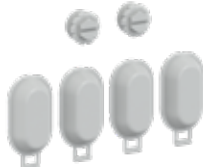
\*1 For device rows located behind the lock, leave at least 2 SU empty

\*2 Espagnolette closure CZT...H to be ordered separately

## Subdistribution boards

ComfortLine Compact CA and U distribution boards

Accessories

Article		Pcs.	Type	Order code	Price
 ZH157	<b>Operating keys</b>				
	Triangular 7 mm	1	ZH157	2CPX060657R9999	
	Triangular 8 mm	1	ZH158	2CPX060658R9999	
	Double bit 3 mm	1	ZH160	2CPX060660R9999	
	Double bit 5 mm	1	ZH161	2CPX060661R9999	
	Square 6 mm	1	ZH162	2CPX060662R9999	
	Square 7 mm	1	ZH163	2CPX060663R9999	
	Square 8 mm	1	ZH164	2CPX060664R9999	
	Daimler-Benz insert	1	ZH165	2CPX060665R9999	
 ZH91	<b>Universal key</b>	1	ZH91	2CPX066091R9999	
	Double bit 3 and 5 mm Triangular 8 mm Square 6 and 8 mm				
 TZ503 TZ504	<b>Latch handle<sup>1 2 3</sup></b> With lock	1	TZ503	2CPX010487R9999	
	<b>Latch handle<sup>1 2 3</sup></b> Without lock	1	TZ504	2CPX010488R9999	
 TZ505 TZ506	<b>T-handle<sup>1 3</sup></b> With lock	1	TZ505	2CPX010489R9999	
	<b>T-handle<sup>1 3</sup></b> Without lock	1	TZ506	2CPX010490R9999	
 CZT7	<b>Swivel handle with lead sealable cap<sup>1 2</sup></b> For semi-cylinder, 40 mm (30/10)	1	CZT5	2CPX052488R9999	
	<b>Swivel handle with lead sealable cap<sup>1 2</sup></b> With closure EO 12	1	CZT6	2CPX052430R9999	
	<b>Swivel handle with lead sealable cap<sup>1 2</sup></b> With cabinet handle Berlin, simultaneous locking	1	CZT7	2CPX052431R9999	
 ZH142	<b>Dummy insert</b> Instead of a semi-cylinder with a swivel handle CZT5	1	ZH142	2CPX060502R9999	
 CZ9A16	<b>Wire holder</b> For the side wiring duct in wall-mounted cabinets CA	16	CZ9A16	2CPX052556R9999	
 CZ12	<b>Depth Level Compensation*</b> For wall-mounted cabinets CA	2	CZ12	2CPX052553R9999	
 CZ15	<b>Accessory kit ComfortLine Compact CA*</b> Consisting of: 2x Depth level compensation 4x Cover caps for cabinet mounting screws	1	CZ15	2CPX052563R9999	

\* Included in scope of delivery

<sup>1</sup> For device rows located behind the lock, leave at least 2 SU empty









<sup>2</sup> Espagnolette closure CZT...H to be ordered separately

<sup>3</sup> Order installation set CZT60 separately

## Subdistribution boards

ComfortLine Compact CA and U distribution boards

Accessories












Article		Pcs.	Type	Order code	Price
 ZKV200P4	<b>Hollow-wall mounting set for flush-mounted cabinets U/UL</b> For U compact distribution boards subsequent conversion of a flush-mounted consumer unit into a hollow-wall consumer unit; Wall thickness min. 14 mm, max. 58 mm	1	ZKV200P4	2CPX062446R9999	
 CZL61	<b>Earthing set for wall-mounted cabinets CA</b> For the conversion to protection class 1	1	CZL61	2CPX052449R9999	
 CZL62	<b>Earthing set for flush-mounted cabinets U/UL</b> For the conversion to protection class 1	1	CZL62	2CPX052497R9999	
 CZF1	<b>Flange for cable entry for wall-mounted cabinets CA</b> 2 x 25.5 mm, 2 x 47.5 mm, 1 x 62 mm	1	CZF1	2CPX052435R9999	
 CZF2	<b>Membrane flange top for wall-mounted cabinets CA*</b> 34 x 12 mm, 9 x 15.5 mm, 6 x 19 mm, 2 x 40.5 mm, 2 x data line	1	CZF2	2CPX052436R9999	
 CZF4	<b>Flange for M screw fittings for wall-mounted cabinets CA</b> 10 x M16, 3 x M16/M20, 1 x M16/M20/M25, 1 x M16/M25/M32/M40/M50	1	CZF4	2CPX052438R9999	
 ZB40	<b>Nipple flange for flush-mounted cabinets U/UL*</b> Material Plastic for cable sections 1 x 12 up to 47 mm, 1 x 12 up to 29 mm, 3 x 8 up to 15 mm, 20 x 7 up to 13 mm	1	ZB40	2CPX038195R9999	
 CZT10	<b>Door hinge (plastic) for wall-mounted cabinets CA*</b> 1 set comprised of 1x hinge top-left/top-right/ bottom-left/bottom-right	1	CZT10	2CPX052415R9999	

\* Included in scope of delivery

## Subdistribution boards

ComfortLine Compact CA and U distribution boards








Accessories

Article		Pcs.	Type	Order code	Price
 <b>ZX371</b>	<b>Din rail for terminal blocks 35 x 7.5 mm</b> For the assembly between the mounting frame and the compact distribution board, flush mounted; For lowered assembly in conjunction with mounting bracket ZX372P2 and insulator ZK90P2				
	1 Panel wide	1	ZX371	2CPX068076R9999	
	2 Panel wide	1	ZX389	2CPX068190R9999	
 <b>ED51</b>	<b>Din rail for terminal blocks 35 x 15 mm</b> For the assembly between the mounting frame and the compact distribution board, wall mounted; For lowered assembly in conjunction with mounting bracket ZK103P2				
	1 Panel wide	1	ED51	2CPX039251R9999	
	2 Panel wide	1	ED52	2CPX039252R9999	
 <b>ZX21</b>	<b>DIN rail 35 x 7.5 mm</b> For the assembly to the mounting frame, flush mounted				
	1 Panel wide	1	ZX21	2CPX039021R9999	
	2 Panel wide	1	ZX22	2CPX039022R9999	
 <b>ED1</b>	<b>DIN rail 35 x 15 mm</b> For the assembly to the mounting frame compact distribution board, wall mounted				
	1 Panel wide	1	ED1	2CPX039381R9999	
	2 Panel wide	1	ED2	2CPX039382R9999	
 <b>ZK90P2</b>	<b>Insulator for DIN rails</b> 35 x 7.5 mm and 35 x 15 mm with fastening material	2	ZK90P2	2CPX062426R9999	
 <b>ZB32P20</b>	<b>Fastening screws for DIN rails</b> Slotted/hexalobular socket pan head thread rolling screw T25 – 20	20	ZB32P20	2CPX062651R9999	
	Slotted/hexalobular socket pan head thread rolling screw T25 – 500	500	ZB32P500	2CPX062652R9999	
 <b>ZK103P2</b>	<b>Insulator</b> for DIN rails between EDF and WR	2	ZK103P2	2CPX060644R9999	
	35 x 7.5 and 35 x 15 mm, incl. fastening material	100	ZK103P100	2CPX060645R9999	
 <b>ED137P4</b>	<b>Cover holder 45 mm (height)</b> <b>for compact distribution boards, flush mounted</b> For fastening (inserting, turning) to EDF-profile rail and for snapping onto a partition; For DIN rails 35 x 7.5 mm only use this cover holder	4	ED137P4	2CPX062600R9999	
		40	ED137P40	2CPX062601R9999	
 <b>ED138P4</b>	<b>Cover holder 52.5 mm (height)</b> <b>for compact distribution boards, wall mounted</b> For fastening (inserting, turning) to EDF-profile rail and for snapping onto a partition; For DIN rails 35 x 15 mm only use this cover holder	4	ED138P4	2CPX062630R9999	
		40	ED138P40	2CPX062603R9999	
 <b>ED50P12</b>	<b>Press and turn closure</b> For distribution board panel covers	12	ED50P12	2CPX062337R9999	
 <b>ZA1P5</b>	<b>Slot cover</b> Colour RAL 7035 for 12 space unit, break-off type	5	ZA1P5	2CPX062384R9999	
		50	ZA1P50	2CPX062378R9999	

## Subdistribution boards

ComfortLine Compact CA and U distribution boards

Accessories

Article		Pcs.	Type	Order code	Price
 CZB113	<b>Vertical partitions</b>				
	Between distribution panels, not arc-resistant				
	Height 3 GU	1	CZB113	2CPX052450R9999	
	Height 4 GU	1	CZB114	2CPX052451R9999	
	Height 5 GU	1	CZB115	2CPX052452R9999	
	Height 6 GU	1	CZB116	2CPX052453R9999	
	Height 7 GU	1	CZB117	2CPX052454R9999	
 ZK300	<b>Busbar system for N/PE</b>				
	Cu 12 x 5 mm, max. connection 95 mm <sup>2</sup>				
	1 Panel wide	1	ZK300	2CPX038551R9999	
 ZX518	<b>N/PE busbar holder</b>	1	ZX518	2CPX067805R9999	
	For Cu bars 12 x 5 mm, 20 x 5 mm, 30 x 5 mm	10	ZX518P10	2CPX062551R9999	
 ZX400	<b>Copper bars</b>				
	12 x 5 mm = 250 A				
	Length 1 m		ZX400	2CPX061400R9999	
	Length 2 m		ZX401	2CPX061401R9999	
	Length 3 m		ZX402	2CPX061402R9999	
 ZA6	<b>Document holder DIN A4</b>	1	ZA6	2CPX038227R9999	
	Self-adhesive, with transparent sleeve				
		10	ZA6P10	2CPX062380R9999	
	<b>Document holder DIN A4</b>	10	ZA61P10	2CPX062375R9999	
 ZA5	<b>Document holder DIN A4</b>	1	ZA13	2CPX038233R9999	
	Self-adhesive	10	ZA13P10	2CPX062381R9999	
	<b>Document holder DIN A5</b>	1	ZA5	2CPX038228R9999	
	Self-adhesive	10	ZA5P10	2CPX062382R9999	
 ZBC1	<b>Labelling system</b>				
	Self-adhesive, for ComforLine Compact CA and U compact distribution boards				
	up to 144 modules	1	ZBC1	2CPX052690R9999	
up to 288 modules	1	ZBC2	2CPX052691R9999		

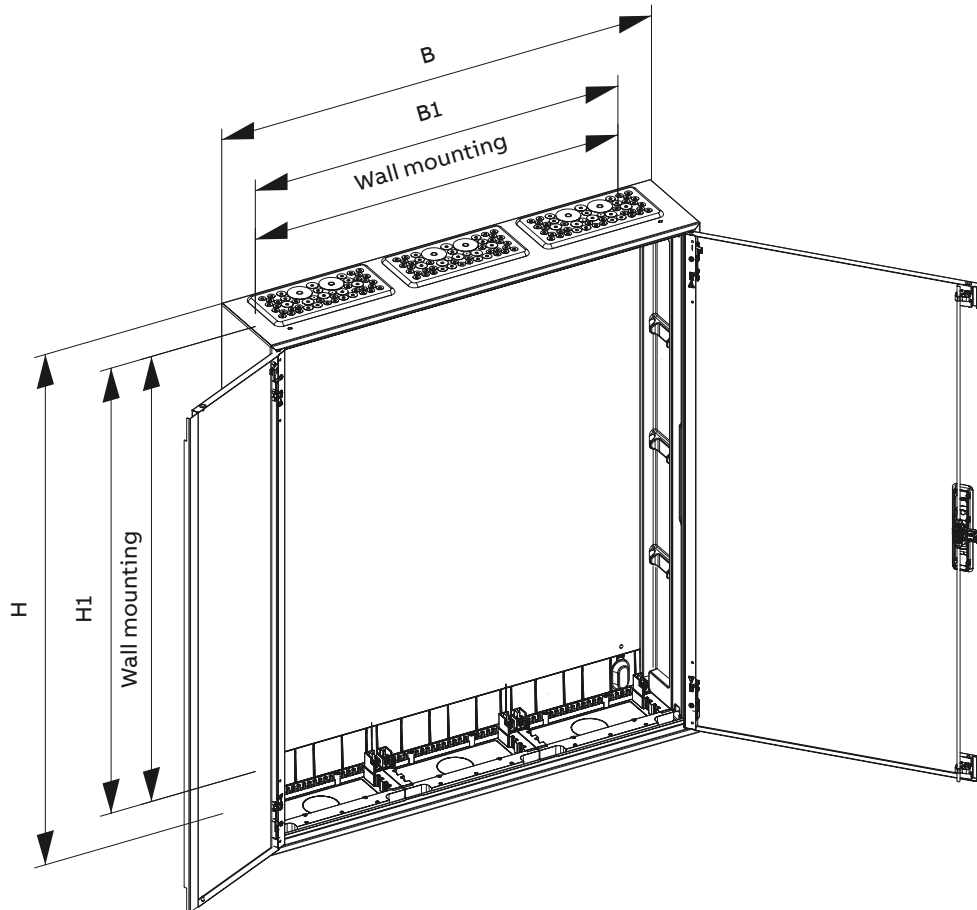




## Subdistribution boards

ComfortLine Compact CA distribution boards for wall-mounting

Technical specifications for planning and assembly



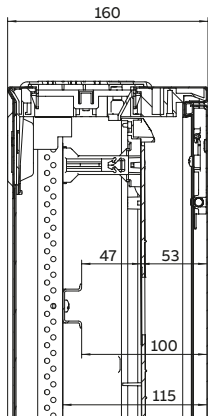
Typ	H	B	H1	B1
CA13...	500	300	428	175
CA14...	650	300	578	175
CA15...	800	300	728	175
CA16...	950	300	878	175
CA17...	1100	300	1 028	175
CA18...	1250	300	1 178	175
CA23...	500	550	428	425
CA24...	650	550	578	425
CA25...	800	550	728	425
CA26...	950	550	878	425
CA27...	1100	550	1 028	425
CA28...	1250	550	1 178	425
CA34...	650	800	578	675
CA35...	800	800	728	675
CA36...	950	800	878	675
CA37...	1100	800	1 028	675
CA38...	1250	800	1 178	675
CA45...	800	1 050	728	925
CA46...	950	1 050	878	925
CA47...	1100	1050	1028	925

> Dimensions in mm

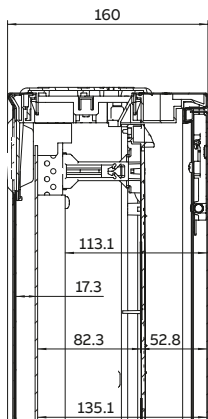
## Subdistribution boards

ComfortLine Compact CA distribution boards for wall-mounting

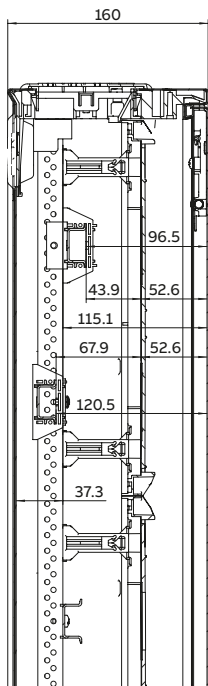
Technical specifications for planning and assembly



Distribution Panels



Mounting plate



Panels for terminals

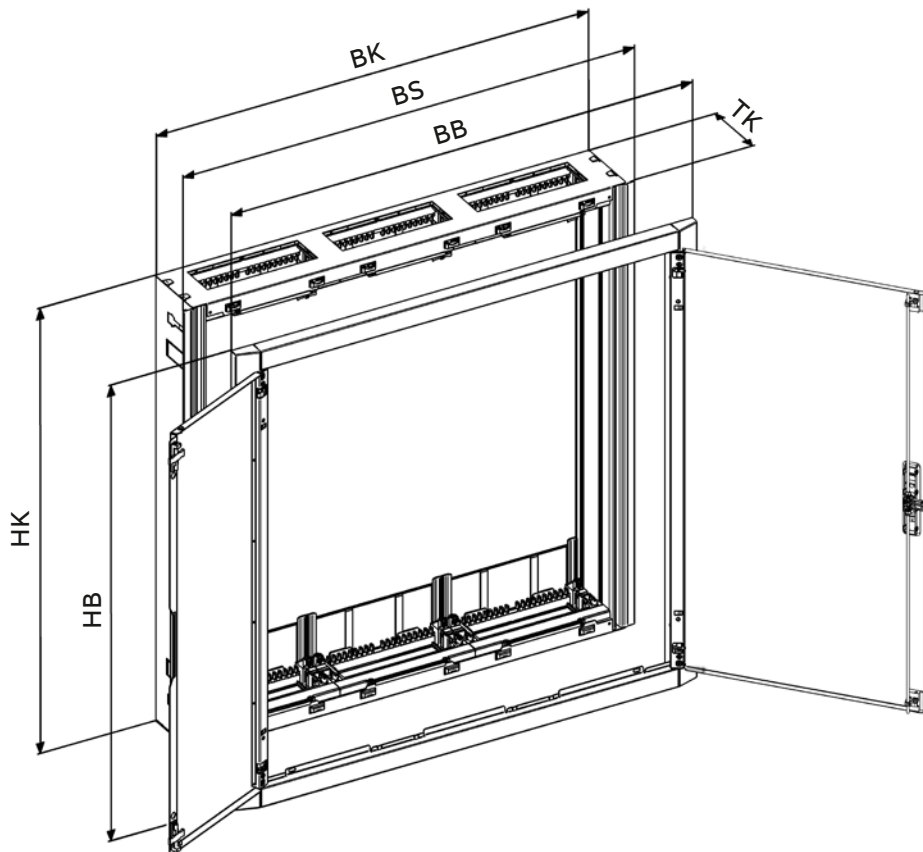
> Dimensions in mm

Type	Power loss (Watt) at overtemperature $\Delta t_{10} 20K$
CA13	25.90
CA13B	25.90
CA13V	25.90
CA14	31.80
CA14B	31.80
CA14R	31.80
CA14RZ1	31.80
CA14V	31.80
CA15	37.60
CA15B	37.60
CA15R	37.60
CA15RZ1	37.60
CA15V	37.60
CA16	43.60
CA16B	43.60
CA16R	43.60
CA16RZ1	43.60
CA16V	43.60
CA23B	43.50
CA23R	43.50
CA23RZ1	43.50
CA23V	43.50
CA23VM	43.50
CA24	52.00
CA24B	52.00
CA24R	52.00
CA24RZ1	52.00
CA24V	52.00
CA24V2	52.00
CA24VM	52.00
CA24VML	52.00
CA24VMW	52.00
CA24VP	52.00
CA25	60.60
CA25B	60.60
CA25K	60.60
CA25R	60.60
CA25RZ1	60.60
CA25V	60.60
CA25V2	60.60
CA25VM	60.60
CA25VML	60.60
CA25VMW	60.60
CA26	69.30
CA26B	69.30
CA26K	69.30
CA26R	69.30
CA26RZ1	69.30
CA26V	69.30
CA26VM	69.30
CA26VML	69.30
CA26VMW	69.30

Type	Power loss (Watt) at overtemperature $\Delta t_{10} 20K$
CA27	55.40
CA27B	55.40
CA27K	55.40
CA27K2	55.40
CA27R	55.40
CA27V	55.40
CA34	74.20
CA34B	74.20
CA34R	74.20
CA34RZ1	74.20
CA34V	74.20
CA35	61.40
CA35B	61.40
CA35K	61.40
CA35R	61.40
CA35RZ1	61.40
CA35V	61.40
CA35VML	61.40
CA35VMW	61.40
CA35VP	61.40
CA36	68.00
CA36B	68.00
CA36K	68.00
CA36R	68.00
CA36RZ1	68.00
CA36V	68.00
CA36VML	68.00
CA36VMW	68.00
CA37	80.60
CA37B	80.60
CA37K	80.60
CA37K2	80.60
CA37R	80.60
CA37RZ1	80.60
CA45	84.30
CA45B	84.30
CA45K	84.30
CA45R	84.30
CA45RZ1	84.30
CA45V	84.30
CA46	99.60
CA46B	99.60
CA46K	99.60
CA47	112,10
CA47B	112,10
CA467K2	112,10

## Subdistribution boards

U/UL Compact distribution boards for flush- and hollow-wall mounting  
 Technical specifications for planning and assembly

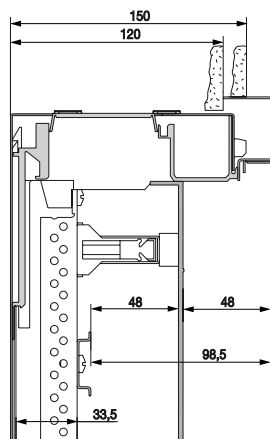


Typ	HK	BK	TK	HB	BB	BS
U32 ..., UL32	527	553	120	544	604	586
U41 ..., UL41	677	303	120	694	354	336
U42 ..., UL42	677	553	120	694	604	586
U43 ..., UL43	677	803	120	694	854	836
U51 ..., UL51	827	303	120	844	354	336
U52 ..., UL52	827	553	120	844	604	586
U53 ..., UL53	827	803	120	844	854	836
U54 ..., UL54	827	1 053	120	844	1 104	1 086
U61 ..., UL61	977	303	120	994	354	336
U62 ..., UL62	977	553	120	994	604	586
U63 ..., UL63	977	803	120	994	854	836
U64 ..., UL64	977	1 053	120	994	1 104	1 086
U72 ..., UL72	1 127	553	120	1 144	604	586
U73 ..., UL73	1 127	803	120	1 144	854	836

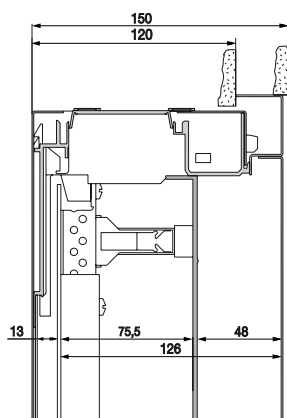
## Subdistribution boards

U/UL Compact distribution boards for flush- and hollow-wall mounting

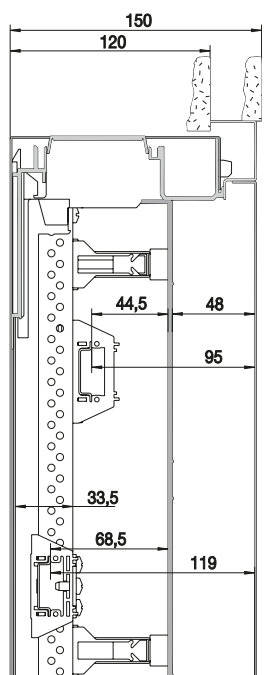
Technical specifications for planning and assembly



Distribution board panel



Mounting plate



Panels for terminals

Type	Weight (kg)	Power loss (Watt) at overtemperature $\Delta t_{1,0} 20K$
U32	13.50	33.10
U32MM	12.50	33.10
U32R2	13.00	33.10
U32TE	12.50	33.10
U32TR2	11.00	33.10
U41	10.50	24.30
U41R3	10.50	24.30
U41TE	9.00	24.30
U41TR3	9.50	24.30
U42	15.50	40.10
U42/2	16.50	40.10
U42D	16.50	40.10
U42FPT	17.00	40.10
U42M	18.50	40.10
U42MM	18.00	40.10
U42MML	17.50	40.10
U42MMW	17.00	40.10
U42R3	16.00	40.10
U42TE	14.00	40.10
U42TR3	14.00	40.10
U43	22.50	57.40
U43R3	23.00	57.40
U43TR3	19.50	57.40
U51	12.50	28.40
U51R4	12.00	28.40
U51TE	12.00	28.40
U51TR4	10.50	28.40
U52	18.50	46.30
U52/2	19.00	46.30
U52K	18.50	46.30
U52MM	21.00	46.30
U52MML	20.00	46.30
U52MMW	20.00	46.30
U52R4	18.00	46.30
U52TE	16.00	46.30
U52TR4	16.00	46.30
U53	26.50	65.60
U53K	26.00	65.60
U53M	29.00	65.60
U53R4	26.50	65.60
U53TR4	22.00	65.60
U54	33.00	61.80
U54K	32.50	61.80
U54R4	33.50	61.80
U61	14.50	32.90
U61R5	14.50	32.90
U61TE	12.50	32.90
U61TR5	12.50	32.90
U62	22.00	53.10
U62K	22.00	53.10
U62MM	24.50	53.10
U62MML	24.00	53.10
U62MMW	22.50	53.10
U62R5	22.00	53.10
U62TE	19.00	53.10
U62TR5	19.00	53.10

Type	Weight (kg)	Power loss (Watt) at overtemperature $\Delta t_{1,0} 20K$
U63	31.00	53.30
U63K	30.50	53.30
U63R5	31.50	53.30
U63TR5	26.00	53.30
U64K	38.00	68.30
U72	25.00	59.80
U72K	25.00	59.80
U72R6	26.00	59.80
U72TR6	21.50	59.80
U73K	35.00	62.30
U73R6	35.50	62.30
U73TR6	28.50	62.30

> Dimensions in mm

## Subdistribution boards

ComfortLine A wall-mounting cabinets IP44

For wall-mounting 



A37



A57B

### Technical specifications

<b>Standards/regulations</b>	DIN EN 61439-1/-2/-3
<b>Protection class</b>	II, double insulated
<b>Protection class</b>	With door IP44 Without door IP30 <sup>(1)</sup>
<b>Mechanical impact strength</b>	IK07
<b>Rated current</b>	$I_{(nA)}$ up to 250 A

### Product features

<b>Enclosures and doors</b>	Made of sheet steel, colour white RAL 9016, powder-coated With depth level compensation One top mounted membrane flange per panel width Door opening angle 120° Double-wing doors on cabinets with three or more panel widths Doors with espagnolette closure Flange openings pre-embossed at the bottom and sides With cable strain relief
<b>Internal configuration options</b>	Prepared to be fitted with distribution and media panels <sup>(2)</sup> Prepared to be fitted with CombiLine-M modules on the EDF mounting frame <sup>(2)</sup>
<b>Delivery forms</b>	Empty cabinets with and without door Also delivered is a flange for cable entry CZF1 for the lower connection area
<b>Accessories</b>	Cable entry covers Closures Doors

> Distribution board panels/combination sets CombiLine, see main catalogue

<sup>(1)</sup> For an internal configuration as sub-distribution board with distribution panels or CombiLine modules

<sup>(2)</sup> Fastening elements CZ11 for fastening distribution panels and CombiLine modules on the front level have to be ordered separately

## Subdistribution boards

ComfortLine A wall-mounting cabinets IP44











For wall-mounting 

Height			External dimensions					With door IP44		Without door IP30		
BH	GU	(mm)	PW	SU	H x W x D mm	Type	Order code	Price	Type	Order code	Price	
00	3	500	1	36	500 x 300 x 215	A13	2CPX052010R9999	-	-	-	-	
			2	72	500 x 550 x 215	A23	2CPX052011R9999	-	-	-	-	
			3	108	500 x 800 x 215	A33	2CPX052012R9999	-	-	-	-	
			4	144	500 x 1050 x 215	A43	2CPX052013R9999	-	-	-	-	
			5	180	500 x 1300 x 215	A53	2CPX052014R9999	-	-	-	-	
0	4	650	1	48	650 x 300 x 215	A14	2CPX052015R9999	-	-	-	-	
			2	96	650 x 550 x 215	A24	2CPX052016R9999	-	-	-	-	
			3	144	650 x 800 x 215	A34	2CPX052017R9999	-	-	-	-	
			4	192	650 x 1050 x 215	A44	2CPX052018R9999	-	-	-	-	
			5	240	650 x 1300 x 215	A54	2CPX052019R9999	-	-	-	-	
1	5	800	1	60	800 x 300 x 215	A15	2CPX052020R9999	-	-	-	-	
			2	120	800 x 550 x 215	A25	2CPX052021R9999	-	--	-	-	
			3	180	800 x 800 x 215	A35	2CPX052022R9999	-	-	-	-	
			4	240	800 x 1050 x 215	A45	2CPX052023R9999	-	-	-	-	
			5	300	800 x 1300 x 215	A55	2CPX052024R9999	-	-	-	-	
2	6	950	1	72	950 x 300 x 215	A16	2CPX052025R9999	-	-	-	-	
			2	144	950 x 550 x 215	A26	2CPX052026R9999	-	-	-	-	
			3	216	950 x 800 x 215	A36	2CPX052027R9999	-	-	-	-	
			4	288	950 x 1050 x 215	A46	2CPX052028R9999	-	-	-	-	
			5	360	950 x 1300 x 215	A56	2CPX052029R9999	-	-	-	-	
3	7	1100	1	84	1100 x 300 x 215	A17	2CPX052030R9999	-	-	A17B	2CPX052083R9999	
			2	168	1100 x 550 x 215	A27	2CPX052031R9999	-	-	A27B	2CPX052084R9999	
			3	252	1100 x 800 x 215	A37	2CPX052032R9999	-	-	A37B	2CPX052085R9999	
			4	336	1100 x 1050 x 215	A47	2CPX052033R9999	-	-	A47B	2CPX052086R9999	
			5	420	1100 x 1300 x 215	A57	2CPX052034R9999	-	-	A57B	2CPX052087R9999	
4	8	1250	1	96	1250 x 300 x 215	A18	2CPX052035R9999	-	-	-	-	
			2	192	1250 x 550 x 215	A28	2CPX052036R9999	-	-	-	-	
			3	288	1250 x 800 x 215	A38	2CPX052037R9999	-	-	-	-	
			4	384	1250 x 1050 x 215	A48	2CPX052038R9999	-	-	-	-	
			5	480	1250 x 1300 x 215	A58	2CPX052039R9999	-	-	-	-	
5	9	1400	1	108	1400 x 300 x 215	A19	2CPX052040R9999	-	-	A19B	2CPX052088R9999	
			2	216	1400 x 550 x 215	A29	2CPX052041R9999	-	-	A29B	2CPX052089R9999	
			3	324	1400 x 800 x 215	A39	2CPX052042R9999	-	-	A39B	2CPX052090R9999	
			4	432	1400 x 1050 x 215	A49	2CPX052043R9999	-	-	A49B	2CPX052091R9999	
			5	540	1400 x 1300 x 215	A59	2CPX052044R9999	-	-	A59B	2CPX052092R9999	

## Subdistribution boards

ComfortLine A wall-mounting cabinets

Accessories

Article		Pcs.	Type	Order code	Price
	<b>Connection screws</b> For cabinet connections, 1 set	1	CZ2	CPX052460R9999	
<b>CZ2</b>					
	<b>Insulating frame for cabinet to cabinet connections</b> For the side flange cut-outs (to guarantee the double insulation for cabinet to cabinet connections) (with connection material) For the connection of cabinets up to May 2020 with cabinets of the ComfortLine series	1	CZ3	2CPX052461R9999	
<b>CZ3</b>					
	<b>Insulating frame for cabinet to cabinet connections</b> For the upper/lower flange cut-outs (to guarantee the double insulation for cabinet to cabinet connections)	1	CZ4	2CPX052462R9999	
<b>CZ4</b>					
	<b>Mounting frame</b> For lateral flange mounting	1	CZ6	2CPX052464R9999	
<b>CZ6</b>					
	<b>External mounting brackets</b>	4	CZ1P4	2CPX052459R9999	
<b>CZ1P4</b>					
	<b>Flange for cable entry</b> 2 x 25.5 mm, 2 x 47.5 mm, 1 x 62 mm	1	CZF1	2CPX052435R9999	
<b>CZF1</b>					
	<b>Theft protection</b> For CZF1	1	CZF1D	2CPX052555R9999	
<b>CZF1D</b>					
	<b>Membrane flange*</b> 34 x 12 mm, 9 x 15.5 mm, 6 x 19 mm, 2 x 40.5 mm, 2 x data line	1	CZF2	2CPX052436R9999	
<b>CZF2</b>					
	<b>Closing flange</b>	1	CZF3	2CPX052437R9999	
<b>CZF3</b>					
	<b>Flange for M screw fittings</b> 10 x M16, 3 x M16/M20, 1 x M16/M20/M25, 1 x M16/M25/M32/M40/M50	1	CZF4	2CPX052438R9999	
<b>CZF4</b>					









\* Included in delivery



## Subdistribution boards

ComfortLine A wall-mounting cabinets

Accessories

Article		Pcs.	Type	Order code	Price
 CZT1 CZT2	<b>Standard closure*</b>	1	CZT1	2CPX052413R9999	
	<b>Closure with lock</b> With 2 keys	1	CZT2	2CPX052412R9999	
 CZT23	<b>Espagnolette closure*</b> In connection with standard closure CZT1 or closure with lock CZT2				
	Overall height 3 GU	1	CZT23	2CPX052423R9999	
	Overall height 4 GU	1	CZT24	2CPX052424R9999	
	Overall height 5 GU	1	CZT25	2CPX052425R9999	
	Overall height 6 GU	1	CZT26	2CPX052426R9999	
	Overall height 7 GU	1	CZT27	2CPX052427R9999	
	Overall height 8 GU	1	CZT28	2CPX052428R9999	
	Overall height 9 GU	1	CZT29	2CPX052429R9999	
 CZT60	<b>Installation set*<sup>1</sup></b> Of operating options in connection with TZ503, TZ504, TZ505, TZ506, TZ507 and TZ508	1	CZT60	2CPX052414R9999	
 TZ507	<b>Latch plate*<sup>1</sup></b> Double bit operating pin, 3 mm standard and 5 mm (CZT60 to be ordered separately)	1	TZ507	2CPX010491R9999	
	For triangular and square operating pin and for Daimler-Benz insert (CZT60 to be ordered separately)	1	TZ508	2CPX010492R9999	
 ZH130 ZH132 ZH134 ZH137	<b>Operating Pin</b>				
	Double bit 3 mm	1	ZH130	2CPX060490R9999	
	Double bit 5 mm	1	ZH131	2CPX060491R9999	
	Triangular 7 mm	1	ZH132	2CPX060492R9999	
	Triangular 8 mm	1	ZH133	2CPX060493R9999	
	Square 6 mm	1	ZH134	2CPX060494R9999	
	Square 7 mm	1	ZH135	2CPX060495R9999	
	Square 8 mm	1	ZH136	2CPX060496R9999	
Daimler-Benz insert	1	ZH137	2CPX060497R9999		
 CZF1B	<b>Accessory set ComfortLine A*</b> Consisting of: 1x Flange for cable entry 2x Depth Level Compensation 4x Cover caps for cabinet mounting screws	1	CZF1B	2CPX052447R9999	
 CZ11	<b>Fastening parts for CombiLine</b>				
	4 pieces	4	CZ11	2CPX052552R9999	
	20 x 4 pieces	80	CZ11P20	2CPX052559R9999	
 CZ12	4 pieces assembled in cabinet, only in combination with assembled CombiLine modules	4	CZ11M	2CPX052558R9999	
	<b>Depth Level Compensation</b> For wall-mounted cabinets	2	CZ12	2CPX052553R9999	

\* Included in scope of delivery

\*<sup>1</sup> Espagnolette closure CZT...H to be ordered separately

## Subdistribution boards

ComfortLine B wall-mounting cabinets

Accessories

Article		Pcs.	Type	Order code	Price
 TZ505      TZ506	<b>T-handle</b> *1 *2				
	With latch plate, without lock	1	TZ506	2CPX010490R9999	
	With latch plate, with lock	1	TZ505	2CPX010489R9999	
 TZ503      TZ504	<b>Latch handle</b> *1 *2				
	With latch plate, without lock	1	TZ504	2CPX010488R9999	
	With latch plate, with lock	1	TZ503	2CPX010487R9999	
 CZT7	<b>Swivel handle with lead sealable cap</b> *2 For semi-cylinder, 40 mm (30/10)	1	CZT5	2CPX052488R9999	
	<b>Swivel handle with lead sealable cap</b> *2 With closure EO 12	1	CZT6	2CPX052430R9999	
	<b>Swivel handle with lead sealable cap</b> *2 With cabinet handle Berlin, simultaneous locking	1	CZT7	2CPX052431R9999	
 ZH142	<b>Dummy insert</b> Instead of a semi-cylinder	1	ZH142	2CPX060502R9999	
 CZT23H	<b>Espagnolette closure</b> In connection with swivel handle CZT5, CZT6, CZT7 and TZ503, TZ504, TZ505, TZ506, TZ507 and TZ508				
	Overall height 3 GU	1	CZT23H	2CPX052416R9999	
	Overall height 4 GU	1	CZT24H	2CPX052417R9999	
	Overall height 5 GU	1	CZT25H	2CPX052418R9999	
	Overall height 6 GU	1	CZT26H	2CPX052419R9999	
	Overall height 7 GU	1	CZT27H	2CPX052420R9999	
	Overall height 8 GU	1	CZT28H	2CPX052421R9999	
Overall height 9 GU	1	CZT29H	2CPX052422R9999		
 CZT10	<b>Door hinge</b> * 1 set comprised of 1x hinge top-left/top-right/ bottom-left/bottom-right	1	CZT10	2CPX052415R9999	

\*Included in scope of delivery








\*1 Order installation set CZT60 separately

\*2 Order espagnolette closure CZT...H separately

## Subdistribution boards

ComfortLine B wall-mounting cabinets


Accessories

Article		Pcs.	Type	Order code	Price
	<b>Vertical partitions</b>				
	Made of plastic, not arc-resistant				
	3 GU	1	CZB213	2CPX052498R9999	
	4 GU	1	CZB214	2CPX052499R9999	
	5 GU	1	CZB215	2CPX052500R9999	
	6 GU	1	CZB216	2CPX052501R9999	
	7 GU	1	CZB217	2CPX052502R9999	
	8 GU	1	CZB218	2CPX052503R9999	
<b>CZB213</b>	9 GU	1	CZB219	2CPX052504R9999	
	<b>Cable entry covers</b>				
	With end plates and fixing brackets made of plastic, colour RAL9016 matching the colour of the cabinets				
	1 panel wide, Height 300 mm	1	KB19	2CPX044049R9999	
	2 panel wide, Height 550 mm	1	KB29	2CPX044050R9999	
	3 panel wide, Height 800 mm	1	KB39	2CPX044051R9999	
	4 panel wide, Height 1050 mm	1	KB49	2CPX044052R9999	
<b>KB19</b>	5 panel wide, Height 1300 mm	1	KB59	2CPX044053R9999	
	<b>Profile</b>	1	KB219	2CPX044055R9999	
	Plastic, colour RAL9016, width 2000 mm				
<b>KB219</b>					
	<b>End plate left/right</b>	1	KBS9	2CPX044057R9999	
	Plastic, colour RAL9016 1 set, 2 pcs.				
<b>KBS9</b>					
	<b>Mounting bracket</b>	1	KBW1	2CPX044058R9999	
	Made of plastic with holding magnet for mounting on the cabinet				
<b>KBW1</b>					
	<b>Document holder DIN A4</b>	1	ZA6	2CPX038227R9999	
	Self-adhesive, with transparent sleeve	10	ZA6P10	2CPX062380R9999	
	Self-adhesive, with transparent sleeve and reinforced back	10	ZA61P10	2CPX062375R9999	
<b>ZA6</b>					
	<b>Document holder DIN A5</b>	1	ZA5	2CPX038228R9999	
	Self-adhesive	10	ZA5P10	2CPX062382R9999	
<b>ZA5</b>					

## Subdistribution boards

ComfortLine A wall-mounting cabinets

Accessories sheet steel doors


Article	GU	PW	BH	To be used with cabinet	Door without closure			Door with closure		
					Type	Order code	Price	Type	Order code	Price
	3	1	00	A13	-	-	-	CTB13S	2CPX052318R9999	
		2	00	A23	-	-	-	CTB23S	2CPX052319R9999	
		3*	00	A33	CTB13	2CPX052304R9999		CTB23S	2CPX052319R9999	
		4*	00	A43	CTB23	2CPX052305R9999		CTB23S	2CPX052319R9999	
		5*	00	A53	CTB23	2CPX052305R9999		CTB33S	2CPX052320R9999	
	4	1	0	A14	-	-	-	CTB14S	2CPX052321R9999	
		2	0	A24	-	-	-	CTB24S	2CPX052322R9999	
		3*	0	A34	CTB14	2CPX052306R9999		CTB24S	2CPX052322R9999	
		4*	0	A44	CTB24	2CPX052307R9999		CTB24S	2CPX052322R9999	
		5*	0	A54	CTB24	2CPX052307R9999		CTB34S	2CPX052323R9999	
	5	1	1	A15	-	-	-	CTB15S	2CPX052324R9999	
		2	1	A25	-	-	-	CTB25S	2CPX052325R9999	
		3*	1	A35	CTB15	2CPX052308R9999		CTB25S	2CPX052325R9999	
		4*	1	A45	CTB25	2CPX052309R9999		CTB25S	2CPX052325R9999	
		5*	1	A55	CTB25	2CPX052309R9999		CTB35S	2CPX052326R9999	
	6	1	2	A16	-	-	-	CTB16S	2CPX052327R9999	
		2	2	A26	-	-	-	CTB26S	2CPX052328R9999	
		3*	2	A36	CTB16	2CPX052310R9999		CTB26S	2CPX052328R9999	
		4*	2	A46	CTB26	2CPX052311R9999		CTB26S	2CPX052328R9999	
		5*	2	A56	CTB26	2CPX052311R9999		CTB36S	2CPX052329R9999	
7	1	3	A17	-	-	-	CTB17S	2CPX052330R9999		
	2	3	A27	-	-	-	CTB27S	2CPX052331R9999		
	3*	3	A37	CTB17	2CPX052312R9999		CTB27S	2CPX052331R9999		
	4*	3	A47	CTB27	2CPX052313R9999		CTB27S	2CPX052331R9999		
	5*	3	A57	CTB27	2CPX052313R9999		CTB37S	2CPX052332R9999		
8	1	4	A18	-	-	-	CTB18S	2CPX052333R9999		
	2	4	A28	-	-	-	CTB28S	2CPX052334R9999		
	3*	4	A38	CTB18	2CPX052314R9999		CTB28S	2CPX052334R9999		
	4*	4	A48	CTB28	2CPX052315R9999		CTB28S	2CPX052334R9999		
	5*	4	A58	CTB28	2CPX052315R9999		CTB38S	2CPX052335R9999		
9	1	5	A19	-	-	-	CTB19S	2CPX052336R9999		
	2	5	A29	-	-	-	CTB29S	2CPX052337R9999		
	3*	5	A39	CTB19	2CPX052316R9999		CTB29S	2CPX052337R9999		
	4*	5	A49	CTB29	2CPX052317R9999		CTB29S	2CPX052337R9999		
	5*	5	A59	CTB29	2CPX052317R9999		CTB39S	2CPX052338R9999		

> Double-wing doors on cabinets with three or more panel widths

## Subdistribution boards

ComfortLine A wall-mounting cabinets

Accessories transparent doors


Article	GU	PW	BH	To be used with Abinet	Door without closure			Door with closure			
					Type	Order code	Price	Type	Order code	Price	
	3	1	00	A13	-	-		CTT13S	2CPX052353R9999		
		2	00	A23	-	-		CTT23S	2CPX052354R9999		
		3*	00	A33	CTT13	2CPX052339R9999		CTT23S	2CPX052354R9999		
		4*	00	A43	CTT23	2CPX052340R9999		CTT23S	2CPX052354R9999		
		5*	00	A53	CTT23	2CPX052340R9999		CTT33S	2CPX052355R9999		
		4	1	0	A14	-	-		CTT14S	2CPX052356R9999	
			2	0	A24	-	-		CTT24S	2CPX052357R9999	
			3*	0	A34	CTT14	2CPX052341R9999		CTT24S	2CPX052357R9999	
			4*	0	A44	CTT24	2CPX052342R9999		CTT24S	2CPX052357R9999	
			5*	0	A54	CTT24	2CPX052342R9999		CTT34S	2CPX052358R9999	
		5	1	1	A15	-	-		CTT15S	2CPX052359R9999	
			2	1	A25	-	-		CTT25S	2CPX052360R9999	
			3*	1	A35	CTT15	2CPX052343R9999		CTT25S	2CPX052360R9999	
			4*	1	A45	CTT25	2CPX052344R9999		CTT25S	2CPX052360R9999	
			5*	1	A55	CTT25	2CPX052344R9999		CTT35S	2CPX052361R9999	
		6	1	2	A16	-	-		CTT16S	2CPX052362R9999	
			2	2	A26	-	-		CTT26S	2CPX052363R9999	
			3*	2	A36	CTT16	2CPX052345R9999		CTT26S	2CPX052363R9999	
			4*	2	A46	CTT26	2CPX052346R9999		CTT26S	2CPX052363R9999	
			5*	2	A56	CTT26	2CPX052346R9999		CTT36S	2CPX052364R9999	
	7	1	3	A17	-	-		CTT17S	2CPX052365R9999		
		2	3	A27	-	-		CTT27S	2CPX052366R9999		
		3*	3	A37	CTT17	2CPX052347R9999		CTT27S	2CPX052366R9999		
		4*	3	A47	CTT27	2CPX052348R9999		CTT27S	2CPX052366R9999		
		5*	3	A57	CTT27	2CPX052348R9999		CTT37S	2CPX052367R9999		
	8	1	4	A18	-	-		CTT18S	2CPX052368R9999		
		2	4	A28	-	-		CTT28S	2CPX052369R9999		
		3*	4	A38	CTT18	2CPX052349R9999		CTT28S	2CPX052369R9999		
		4*	4	A48	CTT28	2CPX052350R9999		CTT28S	2CPX052369R9999		
		5*	4	A58	CTT28	2CPX052350R9999		CTT38S	2CPX052370R9999		
	9	1	5	A19	-	-		CTT19S	2CPX052371R9999		
		2	5	A29	-	-		CTT29S	2CPX052372R9999		
		3*	5	A39	CTT19	2CPX052351R9999		CTT29S	2CPX052372R9999		
		4*	5	A49	CTT29	2CPX052352R9999		CTT29S	2CPX052372R9999		
		5*	5	A59	CTT29	2CPX052352R9999		CTT39S	2CPX052373R9999		

> Double-wing doors on cabinets with three or more panel widths

## Subdistribution boards

ComfortLine A wall-mounting cabinets

Accessories sheet steel doors with ventilation holes


Article	GU	PW	BH	To be used with cabinet	Door without closure		Price	Door with closure		
					Type	Order code		Type	Order code	Price
	3	1	00	A13	-	-	-	CTL13S	2CPX052374R9999	-
		2	00	A23	-	-	-	CTL23S	2CPX052375R9999	-
		3*	00	A33	-	-	-	CTL23S	2CPX052375R9999	-
		4*	00	A43	-	-	-	CTL23S	2CPX052375R9999	-
		5*	00	A53	-	-	-	-	-	-
	4	1	0	A14	-	-	-	CTL14S	2CPX052376R9999	-
		2	0	A24	-	-	-	CTL24S	2CPX052377R9999	-
		3*	0	A34	-	-	-	CTL24S	2CPX052377R9999	-
		4*	0	A44	-	-	-	CTL24S	2CPX052377R9999	-
		5*	0	A54	-	-	-	-	-	-
	5	1	1	A15	-	-	-	CTL15S	2CPX052378R9999	-
		2	1	A25	-	-	-	CTL25S	2CPX052379R9999	-
		3*	1	A35	-	-	-	CTL25S	2CPX052379R9999	-
		4*	1	A45	-	-	-	CTL25S	2CPX052379R9999	-
		5*	1	A55	-	-	-	-	-	-
	6	1	2	A16	-	-	-	CTL16S	2CPX052380R9999	-
		2	2	A26	-	-	-	CTL26S	2CPX052381R9999	-
		3*	2	A36	-	-	-	CTL26S	2CPX052381R9999	-
		4*	2	A46	-	-	-	CTL26S	2CPX052381R9999	-
		5*	2	A56	-	-	-	-	-	-
7	1	3	A17	-	-	-	CTL17S	2CPX052382R9999	-	
	2	3	A27	-	-	-	CTL27S	2CPX052383R9999	-	
	3*	3	A37	-	-	-	CTL27S	2CPX052383R9999	-	
	4*	3	A47	-	-	-	CTL27S	2CPX052383R9999	-	
	5*	3	A57	-	-	-	CTL37S	2CPX052384R9999	-	
8	1	4	A18	-	-	-	CTL18S	2CPX052484R9999	-	
	2	4	A28	-	-	-	CTL28S	2CPX052485R9999	-	
	3*	4	A38	-	-	-	CTL28S	2CPX052485R9999	-	
	4*	4	A48	-	-	-	CTL28S	2CPX052485R9999	-	
	5*	4	A58	-	-	-	-	-	-	
9	1	5	A19	-	-	-	CTL19S	2CPX052385R9999	-	
	2	5	A29	-	-	-	CTL29S	2CPX052386R9999	-	
	3*	5	A39	-	-	-	CTL29S	2CPX052386R9999	-	
	4*	5	A49	-	-	-	CTL29S	2CPX052386R9999	-	
	5*	5	A59	-	-	-	CTL39S	2CPX052387R9999	-	

> Double-wing doors on cabinets with three or more panel widths

## Subdistribution boards

ComfortLine A wall-mounting cabinets

Accessories sheet steel doors with plastic insert and ventilation holes (WiFi-door)

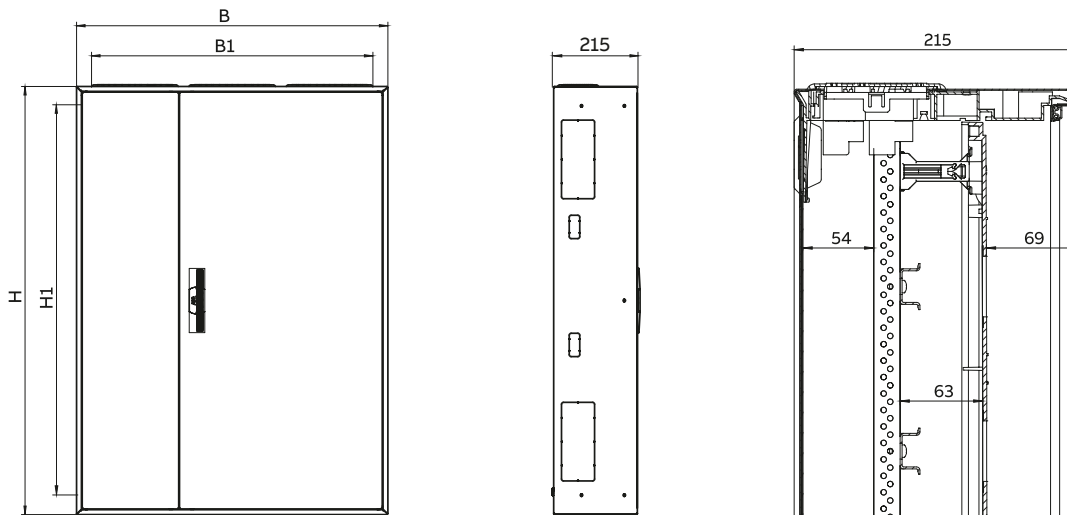
Article	GU	PW	BH	To be used			Door without closure		Door with closure		
				with cabinet	Type	Order code	Price	Type	Order code	Price	
	3	1	00	A13	-	-	-	CTW13S	2CPX052388R9999	-	
		2	00	A23	-	-	-	CTW23S	2CPX052389R9999	-	
		3*	00	A33	-	-	-	CTW23S	2CPX052389R9999	-	
		4*	00	A43	-	-	-	CTW23S	2CPX052389R9999	-	
		5*	00	A53	-	-	-	-	-	-	
	4	1	0	A14	-	-	-	CTW14S	2CPX052390R9999	-	
		2	0	A24	-	-	-	CTW24S	2CPX052391R9999	-	
		3*	0	A34	-	-	-	CTW24S	2CPX052391R9999	-	
		4*	0	A44	-	-	-	CTW24S	2CPX052391R9999	-	
		5*	0	A54	-	-	-	-	-	-	
	5	1	1	A15	-	-	-	CTW15S	2CPX052392R9999	-	
		2	1	A25	-	-	-	CTW25S	2CPX052393R9999	-	
		3*	1	A35	-	-	-	CTW25S	2CPX052393R9999	-	
		4*	1	A45	-	-	-	CTW25S	2CPX052393R9999	-	
		5*	1	A55	-	-	-	-	-	-	
	6	1	2	A16	-	-	-	CTW16S	2CPX052394R9999	-	
		2	2	A26	-	-	-	CTW26S	2CPX052395R9999	-	
		3*	2	A36	-	-	-	CTW26S	2CPX052395R9999	-	
		4*	2	A46	-	-	-	CTW26S	2CPX052395R9999	-	
		5*	2	A56	-	-	-	-	-	-	
	7	1	3	A17	-	-	-	CTW17S	2CPX052396R9999	-	
		2	3	A27	-	-	-	CTW27S	2CPX052397R9999	-	
		3*	3	A37	-	-	-	CTW27S	2CPX052397R9999	-	
		4*	3	A47	-	-	-	CTW27S	2CPX052397R9999	-	
		5*	3	A57	-	-	-	CTW37S	2CPX052398R9999	-	
8	1	4	A18	-	-	-	CTW18S	2CPX052486R9999	-		
	2	4	A28	-	-	-	CTW28S	2CPX052487R9999	-		
	3*	4	A38	-	-	-	CTW28S	2CPX052487R9999	-		
	4*	4	A48	-	-	-	CTW28S	2CPX052487R9999	-		
	5*	4	A58	-	-	-	-	-	-		
9	1	5	A19	-	-	-	CTW19S	2CPX052399R9999	-		
	2	5	A29	-	-	-	CTW29S	2CPX052400R9999	-		
	3*	5	A39	-	-	-	CTW29S	2CPX052400R9999	-		
	4*	5	A49	-	-	-	CTW29S	2CPX052400R9999	-		
	5*	5	A59	-	-	-	CTW39S	2CPX052401R9999	-		

> Double-wing doors on cabinets with three or more panel widths

## Subdistribution boards

ComfortLine A wall-mounting cabinets IP44

Dimensions



Type	GU	PW	SU	OH	External dimensions		Internal fastening		Door	Door
					H	B	H1	B1	without closure	with closure
A13		1	36		500	300	452	252	-	471 x 271
A23		2	72		500	550	452	502	-	471 x 521
A33	3	3	108	00	500	800	452	752	471 x 248	471 x 521
A14		1	48		650	300	602	252	-	621 x 271
A24		2	96		650	550	602	502	-	621 x 521
A34		3	144		650	800	602	752	621 x 248	621 x 521
A44		4	192		650	1050	602	1002	621 x 498	621 x 521
A54	4	5	240	0	650	1300	602	1252	621 x 498	621 x 771
A15		1	60		800	300	752	252	-	771 x 271
A25		2	120		800	550	752	502	-	771 x 521
A35		3	180		800	800	752	752	771 x 248	771 x 521
A45		4	240		800	1050	752	1002	771 x 498	771 x 521
A55	5	5	300	1	800	1300	752	1252	771 x 498	771 x 771
A16		1	72		950	300	902	252	-	921 x 271
A26		2	144		950	550	902	502	-	921 x 521
A36		3	216		950	800	902	752	921 x 248	921 x 521
A46		4	288		950	1050	902	1002	921 x 498	921 x 521
A56	6	5	360	2	950	1300	902	1252	921 x 498	921 x 771
A17		1	84		1100	300	1052	252	-	1071 x 271
A27		2	168		1100	550	1052	502	-	1071 x 521
A37		3	252		1100	800	1052	752	1071 x 248	1071 x 521
A47		4	336		1100	1050	1052	1002	1071 x 498	1071 x 521
A57	7	5	420	3	1100	1300	1052	1252	1071 x 498	1071 x 771
A18		1	96		1250	300	1202	252	-	1221 x 271
A28		2	192		1250	550	1202	502	-	1221 x 521
A38		3	288		1250	800	1202	752	1221 x 248	1221 x 521
A48		4	384		1250	1050	1202	1002	1221 x 498	1221 x 521
A58	8	5	480	4	1250	1300	1202	1252	1221 x 498	1221 x 771
A19		1	108		1400	300	1352	252	-	1371 x 271
A29		2	216		1400	550	1352	502	-	1371 x 521
A39		3	324		1400	800	1352	752	1371 x 248	1371 x 521
A49		4	432		1400	1050	1352	1002	1371 x 498	1371 x 521
A59	9	5	540	5	1400	1300	1352	1252	1371 x 498	1371 x 771

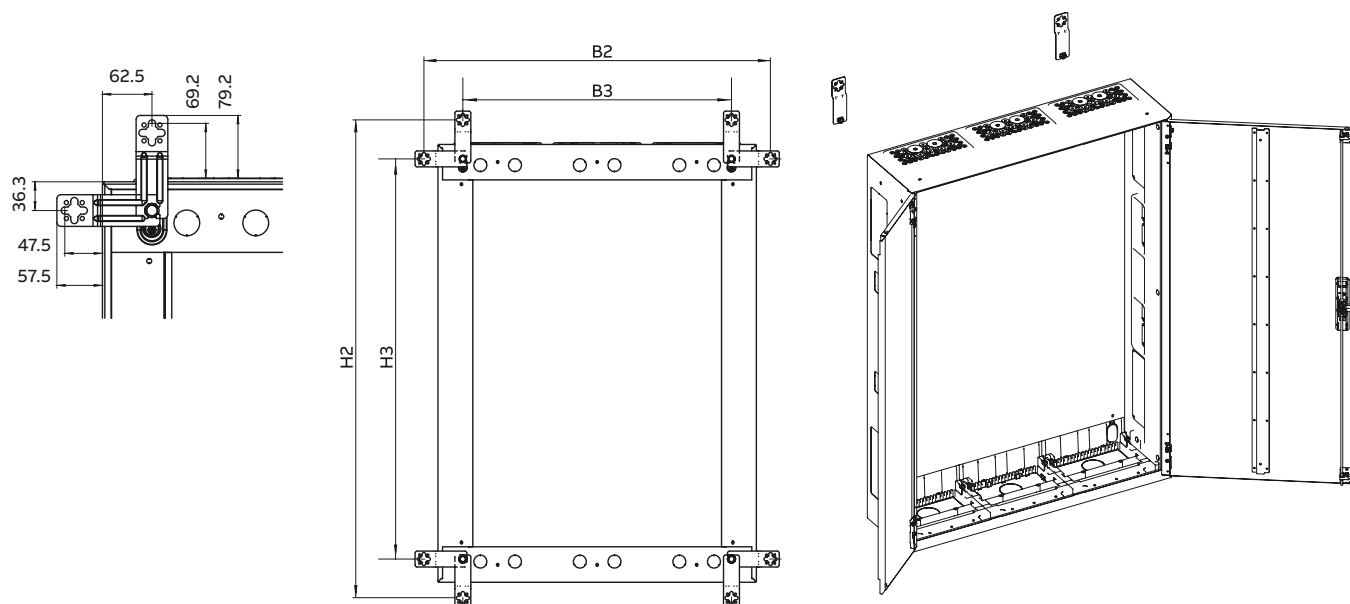
> Dimensions in mm | Double-wing doors on cabinets with three or more panel widths



## Subdistribution boards

ComfortLine A wall-mounting cabinets IP44

Dimensions and power loss



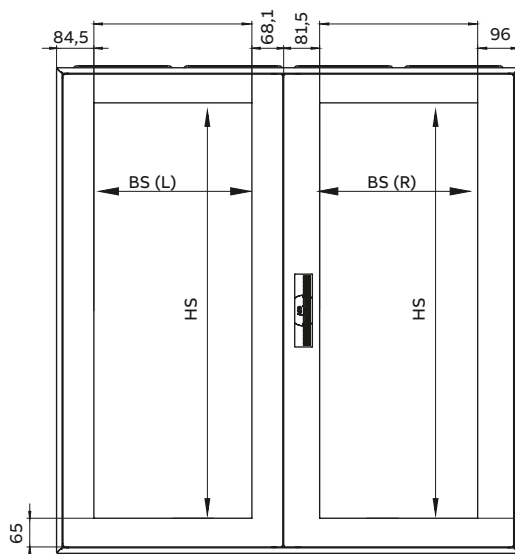
Type	GU	PW	SU	OH	External dimensions		Internal fastening		Power loss*
					H2	B2	H3	B3	PV (W)
A13		1	36		624 ± 12	371 ± 12	428	175	28.7
A23		2	72		624 ± 12	621 ± 12	428	425	47.2
A33		3	108		624 ± 12	871 ± 12	428	675	66.8
A43		4	144		624 ± 12	1121 ± 12	428	925	65.8
A53	3	5	180	00	624 ± 12	1371 ± 12	428	1175	83.2
A14		1	48		774 ± 12	371 ± 12	578	175	35
A24		2	96		774 ± 12	621 ± 12	578	425	56
A34		3	144		774 ± 12	871 ± 12	578	675	59.5
A44		4	192		774 ± 12	1121 ± 12	578	925	80.4
A54	4	5	240	0	774 ± 12	1371 ± 12	578	1175	104.9
A15		1	60		924 ± 12	371 ± 12	728	175	41.4
A25		2	120		924 ± 12	621 ± 12	728	425	65
A35		3	180		924 ± 12	871 ± 12	728	675	69.4
A45		4	240		924 ± 12	1121 ± 12	728	925	96.1
A55	5	5	300	1	924 ± 12	1371 ± 12	728	1175	127.6
A16		1	72		1074 ± 12	371 ± 12	878	175	47.8
A26		2	144		1074 ± 12	621 ± 12	878	425	51.6
A36		3	216		1074 ± 12	871 ± 12	878	675	78.7
A46		4	288		1074 ± 12	1121 ± 12	878	925	111.9
A56	6	5	360	2	1074 ± 12	1371 ± 12	878	1175	150.1
A17		1	84		1224 ± 12	371 ± 12	1028	175	54.2
A27		2	168		1224 ± 12	621 ± 12	1028	425	60.4
A37		3	252		1224 ± 12	871 ± 12	1028	675	87.2
A47		4	336		1224 ± 12	1121 ± 12	1028	925	130.6
A57	7	5	420	3	1224 ± 12	1371 ± 12	1028	1175	170.3
A18		1	96		1374 ± 12	371 ± 12	1178	175	60.6
A28		2	192		1374 ± 12	621 ± 12	1178	425	68
A38		3	288		1374 ± 12	871 ± 12	1178	675	101
A48		4	384		1374 ± 12	1121 ± 12	1178	925	146.6
A58	8	5	480	4	1374 ± 12	1371 ± 12	1178	1175	189.7
A19		1	108		1524 ± 12	371 ± 12	1328	175	66.9
A29		2	216		1524 ± 12	621 ± 12	1328	425	77.4
A39		3	324		1524 ± 12	871 ± 12	1328	675	117.7
A49		4	432		1524 ± 12	1121 ± 12	1328	925	155.6
A59	9	5	540	5	1524 ± 12	1371 ± 12	1328	1175	189.7

> Dimensions in mm | \* Power loss PV in Watt at overtemperature  $\Delta T$  20K

## Subdistribution boards

ComfortLine A wall-mounting cabinets IP44

Dimensions transparent doors



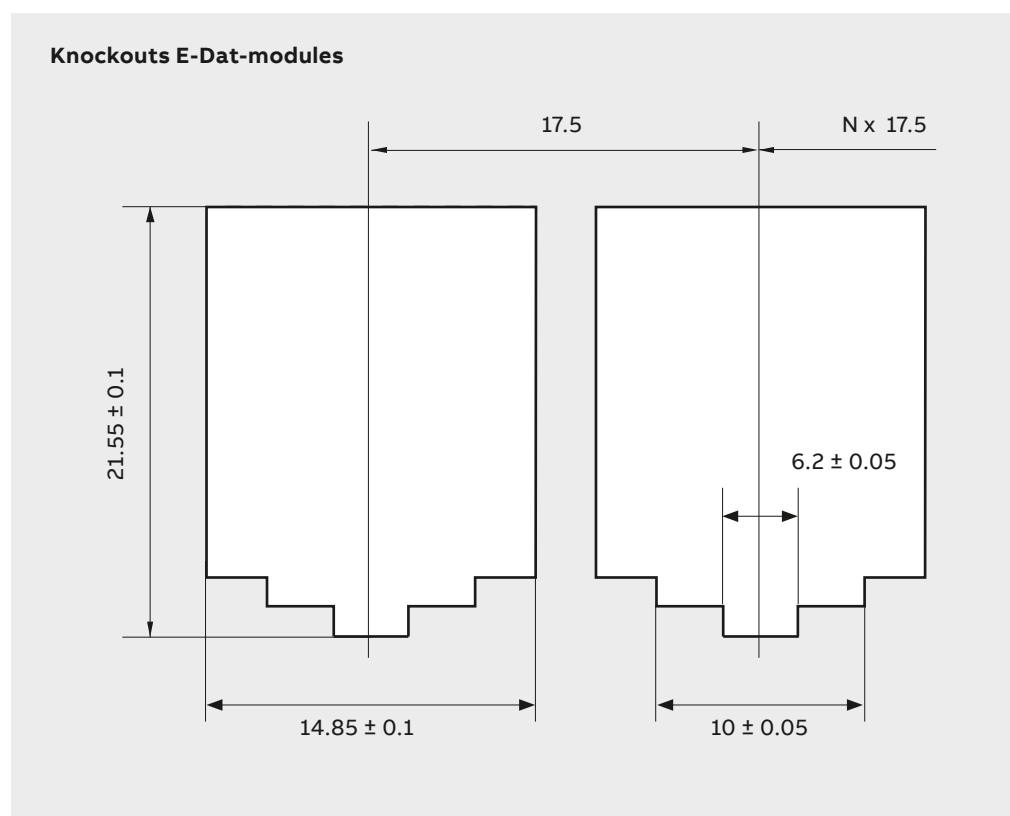
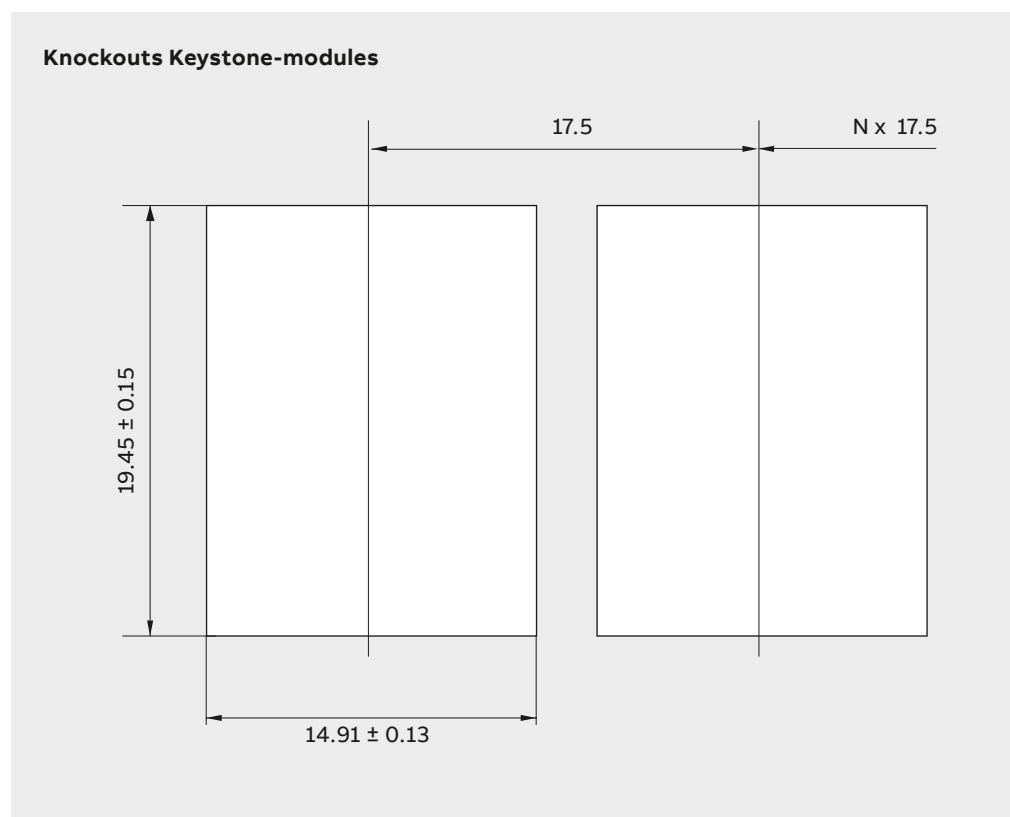
Cabinet				Door without closure			Door with closure		
Type	GU	PW	OH	Type	H x W	Window BS(L) HS x BS	Type	H x W	Window BS(R) HS x BS
A13		1	00	-	-	-	CTT13S	471 x 271	341 x 108
A23		2	00	-	-	-	CTT23S	471 x 521	341 x 358
A33		3	00	CTT13	471 x 248	341 x 108	CTT23S	471 x 521	341 x 358
A43		4	00	CTT23	471 x 498	341 x 358	CTT23S	471 x 521	341 x 358
A53	3	5	00	CTT23	471 x 498	341 x 358	CTT33S	471 x 771	341 x 608
A14		1	0	-	-	-	CTT14S	621 x 271	491 x 108
A24		2	0	-	-	-	CTT24S	621 x 521	491 x 358
A34		3	0	CTT14	621 x 248	491 x 108	CTT24S	621 x 521	491 x 358
A44		4	0	CTT24	621 x 498	491 x 358	CTT24S	621 x 521	491 x 358
A54	4	5	0	CTT24	621 x 498	491 x 358	CTT34S	621 x 771	491 x 608
A15		1	1	-	-	-	CTT15S	771 x 271	641 x 108
A25		2	1	-	-	-	CTT25S	771 x 521	641 x 358
A35		3	1	CTT15	771 x 248	641 x 108	CTT25S	771 x 521	641 x 358
A45		4	1	CTT25	771 x 498	641 x 358	CTT25S	771 x 521	641 x 358
A55	5	5	1	CTT25	771 x 498	641 x 358	CTT35S	771 x 771	641 x 608
A16		1	2	-	-	-	CTT16S	921 x 271	791 x 108
A26		2	2	-	-	-	CTT26S	921 x 521	791 x 358
A36		3	2	CTT16	921 x 248	791 x 108	CTT26S	921 x 521	791 x 358
A46		4	2	CTT26	921 x 498	791 x 358	CTT26S	921 x 521	791 x 358
A56	6	5	2	CTT26	921 x 498	791 x 358	CTT36S	921 x 771	791 x 608
A17		1	3	-	-	-	CTT17S	1071 x 271	941 x 108
A27		2	3	-	-	-	CTT27S	1071 x 521	941 x 358
A37		3	3	CTT17	1071 x 248	941 x 108	CTT27S	1071 x 521	941 x 358
A47		4	3	CTT27	1071 x 498	941 x 358	CTT27S	1071 x 521	941 x 358
A57	7	5	3	CTT27	1071 x 498	941 x 358	CTT37S	1071 x 771	941 x 608
A18		1	4	-	-	-	CTT18S	1221 x 271	1091 x 108
A28		2	4	-	-	-	CTT28S	1221 x 521	1091 x 358
A38		3	4	CTT18	1221 x 248	1091 x 108	CTT28S	1221 x 521	1091 x 358
A48		4	4	CTT28	1221 x 498	1091 x 358	CTT28S	1221 x 521	1091 x 358
A58	8	5	4	CTT28	1221 x 498	1091 x 358	CTT38S	1221 x 771	1091 x 608
A19		1	5	-	-	-	CTT19S	1371 x 271	1241 x 108
A29		2	5	-	-	-	CTT29S	1371 x 521	1241 x 358
A39		3	5	CTT19	1371 x 248	1241 x 108	CTT29S	1371 x 521	1241 x 358
A49		4	5	CTT29	1371 x 498	1241 x 358	CTT29S	1371 x 521	1241 x 358
A59	9	5	5	CTT29	1371 x 498	1241 x 358	CTT39S	1371 x 771	1241 x 608

> Dimensions in mm | Double-wing doors on cabinets with three or more panel widths

## Subdistribution boards

ComfortLine A/B wall-mounting cabinets IP44

Dimensions of the knockouts for the Keystone- and E-Dat-modules



## Subdistribution boards

ComfortLine B wall-mounting cabinets IP44

For wall-mounting  $\perp$



B-wall-mounting cabinets  
IP44  $\perp$ , cabinet depth 215 mm



For an internal configuration with distribution panels/combination sets CombiLine N modules to EDF mounting frame, see main catalogue Internal Configuration Systems

### Technical specifications

**Standards/regulations** DIN EN 61439-1/-2/-3

**Protection class** I, earthed

**Protection class** IP44

**Mechanical impact strength** IK07

**Rated current**  $I_{(nA)}$  up to 250 A

### Product features

**Enclosures and doors** Made of sheet steel, colour white RAL 9016, powder-coated

With depth level compensation

One top mounted membrane flange per panel width

Door opening angle 120°

Double-wing doors on cabinets with three or more panel widths

Doors with espagnolette closure

Flange openings pre-embossed at the bottom and sides

Fastening elements CZ11 for the front fastening level are assembled

### Internal configuration options

Prepared to be fitted with distribution panels/combination sets

Prepared to be fitted with CombiLine-M modules on the EDF mounting frame

### Delivery forms

Empty cabinets with door

Also delivered is a flange for cable entry CZF1 for the lower connection area

### Accessories

Cable entry covers

Closures

Transparent doors

> Distribution panels/combination sets CombiLine, see main catalogue

## Subdistribution boards

ComfortLine B wall-mounting cabinets IP44








For wall-mounting 

GU	BH	Height in mm	PW	SU	External dimensions H x B x T mm	Type	Order code	Price
3	00	500	1	36	500 x 300 x 215	B13	2CPX052050R9999	
			2	72	500 x 550 x 215	B23	2CPX052051R9999	
			3	108	500 x 800 x 215	B33	2CPX052052R9999	
4	0	650	1	48	650 x 300 x 215	B14	2CPX052053R9999	
			2	96	650 x 550 x 215	B24	2CPX052054R9999	
			3	144	650 x 800 x 215	B34	2CPX052055R9999	
			4	192	650 x 1050 x 215	B44	2CPX052056R9999	
			5	240	650 x 1300 x 215	B54	2CPX052057R9999	
5	1	800	1	60	800 x 300 x 215	B15	2CPX052058R9999	
			2	120	800 x 550 x 215	B25	2CPX052059R9999	
			3	180	800 x 800 x 215	B35	2CPX052060R9999	
			4	240	800 x 1050 x 215	B45	2CPX052061R9999	
			5	300	800 x 1300 x 215	B55	2CPX052062R9999	
6	2	950	1	72	950 x 300 x 215	B16	2CPX052063R9999	
			2	144	950 x 550 x 215	B26	2CPX052064R9999	
			3	216	950 x 800 x 215	B36	2CPX052065R9999	
			4	288	950 x 1050 x 215	B46	2CPX052066R9999	
			5	360	950 x 1300 x 215	B56	2CPX052067R9999	
7	3	1100	1	84	1100 x 300 x 215	B17	2CPX052068R9999	
			2	168	1100 x 550 x 215	B27	2CPX052069R9999	
			3	252	1100 x 800 x 215	B37	2CPX052070R9999	
			4	336	1100 x 1050 x 215	B47	2CPX052071R9999	
			5	420	1100 x 1300 x 215	B57	2CPX052072R9999	
8	4	1250	1	96	1250 x 300 x 215	B18	2CPX052073R9999	
			2	192	1250 x 550 x 215	B28	2CPX052074R9999	
			3	288	1250 x 800 x 215	B38	2CPX052075R9999	
			4	384	1250 x 1050 x 215	B48	2CPX052076R9999	
			5	480	1250 x 1300 x 215	B58	2CPX052077R9999	
9	5	1400	1	108	1400 x 300 x 215	B19	2CPX052078R9999	
			2	216	1400 x 550 x 215	B29	2CPX052079R9999	
			3	324	1400 x 800 x 215	B39	2CPX052080R9999	
			4	432	1400 x 1050 x 215	B49	2CPX052081R9999	
			5	540	1400 x 1300 x 215	B59	2CPX052082R9999	

## Subdistribution boards

ComfortLine B wall-mounting cabinets

Accessories












Article		Pcs.	Type	Order code	Price
 CZ1P4	<b>External mounting brackets</b>	4	CZ1P4	2CPX052459R9999	
 CZ2	<b>Cabinet connection</b> For cabinet to cabinet connections, 1 set	1	CZ2	2CPX052460R9999	
 CZ3	<b>Insulating frame for cabinet to cabinet connections</b> For the side flange cut-outs	1	CZ3	2CPX052461R9999	
 CZ6	<b>Mounting frame</b> For lateral flange mounting	1	CZ6	2CPX052464R9999	
 CZ4	<b>Insulating frame for cabinet to cabinet connections</b> For the upper/lower flange cut-outs	1	CZ4	2CPX052462R9999	
 CZF1	<b>Flange for cable entry</b> 2 x 25.5 mm, 2 x 47.5 mm, 1 x 62 mm	1	CZF1	2CPX052435R9999	
 CZF2	<b>Membrane flange*</b> 34 x 12 mm, 9 x 15.5 mm, 6 x 19 mm, 2 x 40.5 mm, 2 x data line	1	CZF2	2CPX052436R9999	
 CZF3	<b>Closing flange</b>	1	CZF3	2CPX052437R9999	
 CZF4	<b>Flange for M screw fittings</b> 10 x M16, 3 x M16/M20, 1 x M16/M20/M25, 1 x M16/M25/M32/M40/M50	1	CZF4	2CPX052438R9999	
 CZF10	<b>Metal flange</b> closed	1	CZF10	2CPX052440R9999	
 CZF11	<b>Metal flanges for M screw fittings</b> 4 x M16, 4 x M20, 3 x M32, 1 x M40	1	CZF11	2CPX052441R9999	
	21 x M20		CZF12	2CPX052442R9999	
	16 x M16, 12 x M20		CZF13	2CPX052443R9999	
	24 x M16		CZF14	2CPX052444R9999	

\*Included in scope of delivery

## Subdistribution boards

ComfortLine B wall-mounting cabinets

Accessories

Article		Pcs.	Type	Order code	Price
	<b>Earthing set*</b>	1	CZL60	2CPX052448R9999	
<b>CZL60</b>					
	<b>Standard closure*</b>	1	CZT1	2CPX052413R9999	
	<b>Closure with lock</b> With 2 keys	1	CZT2	2CPX052412R9999	
<b>CZT1 CZT2</b>					
	<b>Espagnolette closure*</b> In connection with standard closure CZT1 or closure with lock CZT2				
	Overall height 3 GU	1	CZT23	2CPX052423R9999	
	Overall height 4 GU	1	CZT24	2CPX052424R9999	
	Overall height 5 GU	1	CZT25	2CPX052425R9999	
	Overall height 6 GU	1	CZT26	2CPX052426R9999	
	Overall height 7 GU	1	CZT27	2CPX052427R9999	
	Overall height 8 GU	1	CZT28	2CPX052428R9999	
	Overall height 9 GU	1	CZT29	2CPX052429R9999	
<b>CZT23</b>					
	<b>Installation set<sup>*2</sup></b> Of operating options in connection with TZ503, TZ504, TZ505, TZ506, TZ507 and TZ508	1	CZT60	2CPX052414R9999	
<b>CZT60</b>					
	<b>Latch plate<sup>*1 *2</sup></b>				
	Double bit operating pin, 3 mm standard and 5 mm	1	TZ507	2CPX010491R9999	
	For triangular and square operating pin and for Daimler-Benz insert	1	TZ508	2CPX010492R9999	
<b>TZ507</b>					
	<b>Operating Pin</b>				
	Double bit 3 mm	1	ZH130	2CPX060490R9999	
<b>ZH130 ZH132</b>	Double bit 5 mm	1	ZH131	2CPX060491R9999	
	Triangular 7 mm	1	ZH132	2CPX060492R9999	
	Triangular 8 mm	1	ZH133	2CPX060493R9999	
	Square 6 mm	1	ZH134	2CPX060494R9999	
<b>ZH134 ZH137</b>	Square 7 mm	1	ZH135	2CPX060495R9999	
	Square 8 mm	1	ZH136	2CPX060496R9999	
	Daimler-Benz insert	1	ZH137	2CPX060497R9999	
	<b>Depth Level Compensation</b>	2	CZ12	2CPX052553R9999	
<b>CZ12</b>					

\*Included in scope of delivery


\*1 Order installation set CZT60 separately

\*2 Order espagnolette closure CZT...H separately

## Subdistribution boards

ComfortLine B wall-mounting cabinets

Accessories

Article	Pcs.	Type	Order code	Price
 TZ505      TZ506	<b>T-handle*1 *2</b>			
	1	TZ506	2CPX010490R9999	
	1	TZ505	2CPX010489R9999	
 TZ503      TZ504	<b>Latch handle*1 *2</b>			
	1	TZ504	2CPX010488R9999	
	1	TZ503	2CPX010487R9999	
 CZT7	1	CZT5	2CPX052488R9999	
	1	CZT6	2CPX052430R9999	
	1	CZT7	2CPX052431R9999	
 ZH142	<b>Dummy insert</b>			
	1	ZH142	2CPX060502R9999	
 CZT23H	<b>Espagnolette closure</b>			
	In connection with swivel handle CZT5, CZT6, CZT7 and TZ503, TZ504, TZ505, TZ506, TZ507 and TZ508			
	1	CZT23H	2CPX052416R9999	
	1	CZT24H	2CPX052417R9999	
	1	CZT25H	2CPX052418R9999	
	1	CZT26H	2CPX052419R9999	
	1	CZT27H	2CPX052420R9999	
1	CZT28H	2CPX052421R9999		
1	CZT29H	2CPX052422R9999		
 CZT10	<b>Door hinge*</b>			
	1	CZT10	2CPX052415R9999	

\*Included in scope of delivery

\*1 Order installation set CZT60 separately

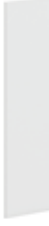






\*2 Order espagnolette closure CZT...H separately



## Subdistribution boards

ComfortLine B wall-mounting cabinets

Accessories

Article		Pcs.	Type	Order code	Price
	<b>Vertical partitions</b>				
	Made of plastic, not arc-resistant				
	3 GU	1	CZB213	2CPX052498R9999	
	4 GU	1	CZB214	2CPX052499R9999	
	5 GU	1	CZB215	2CPX052500R9999	
	6 GU	1	CZB216	2CPX052501R9999	
	7 GU	1	CZB217	2CPX052502R9999	
	8 GU	1	CZB218	2CPX052503R9999	
9 GU	1	CZB219	2CPX052504R9999		
<b>CZB213</b>					
	<b>Cable entry covers</b>				
	With end plates and fixing brackets made of plastic, colour RAL9016 matching the colour of the cabinets				
	1 panel wide, Height 300 mm	1	KB19	2CPX044049R9999	
	2 panel wide, Height 550 mm	1	KB29	2CPX044050R9999	
	3 panel wide, Height 800 mm	1	KB39	2CPX044051R9999	
	4 panel wide, Height 1050 mm	1	KB49	2CPX044052R9999	
5 panel wide, Height 1300 mm	1	KB59	2CPX044053R9999		
<b>KB19</b>					
	<b>Profile</b>				
	Plastic, colour RAL9016, width 2000 mm	1	KB219	2CPX044055R9999	
<b>KB219</b>					
	<b>End plate left/right</b>	1	KBS9	2CPX044057R9999	
	Plastic, colour RAL9016 1 set, 2 pcs.				
<b>KBS9</b>					
	<b>Mounting bracket</b>	1	KBW1	2CPX044058R9999	
	Made of plastic with holding magnet for mounting on the cabinet				
<b>KBW1</b>					
	<b>Document holder DIN A4</b>	1	ZA6	2CPX038227R9999	
	Self-adhesive, with transparent sleeve	10	ZA6P10	2CPX062380R9999	
	Self-adhesive, with transparent sleeve and reinforced back	10	ZA61P10	2CPX062375R9999	
<b>ZA6</b>					
	<b>Document holder DIN A5</b>	1	ZA5	2CPX038228R9999	
	Self-adhesive	10	ZA5P10	2CPX062382R9999	
<b>ZA5</b>					

## Subdistribution boards

ComfortLine B wall-mounting cabinets

Accessories sheet steel doors

Article	GU	PW	BH	To be used with cabinet	Door without closure			Door with closure		
					Type	Order code	Price	Type	Order code	Price
3	1	00	B13	-	-	-	CTB13S	2CPX052318R9999		
	2	00	B23	-	-	-	CTB23S	2CPX052319R9999		
	3	00	B33	CTB13	2CPX052304R9999		CTB23S	2CPX052319R9999		
4	1	0	B14	-	-	-	CTB14S	2CPX052321R9999		
	2	0	B24	-	-	-	CTB24S	2CPX052322R9999		
	3	0	B34	CTB14	2CPX052306R9999		CTB24S	2CPX052322R9999		
	4	0	B44	CTB24	2CPX052307R9999		CTB24S	2CPX052322R9999		
	5	0	B54	CTB24	2CPX052307R9999		CTB34S	2CPX052323R9999		
5	1	1	B15	-	-	-	CTB15S	2CPX052324R9999		
	2	1	B25	-	-	-	CTB25S	2CPX052325R9999		
	3	1	B35	CTB15	2CPX052308R9999		CTB25S	2CPX052325R9999		
	4	1	B45	CTB25	2CPX052309R9999		CTB25S	2CPX052325R9999		
	5	1	B55	CTB25	2CPX052309R9999		CTB35S	2CPX052326R9999		
6	1	2	B16	-	-	-	CTB16S	2CPX052327R9999		
	2	2	B26	-	-	-	CTB26S	2CPX052328R9999		
	3	2	B36	CTB16	2CPX052310R9999		CTB26S	2CPX052328R9999		
	4	2	B46	CTB26	2CPX052311R9999		CTB26S	2CPX052328R9999		
	5	2	B56	CTB26	2CPX052311R9999		CTB36S	2CPX052329R9999		
7	1	3	B17	-	-	-	CTB17S	2CPX052330R9999		
	2	3	B27	-	-	-	CTB27S	2CPX052331R9999		
	3	3	B37	CTB17	2CPX052312R9999		CTB27S	2CPX052331R9999		
	4	3	B47	CTB27	2CPX052313R9999		CTB27S	2CPX052331R9999		
	5	3	B57	CTB27	2CPX052313R9999		CTB37S	2CPX052332R9999		
8	1	4	B18	-	-	-	CTB18S	2CPX052333R9999		
	2	4	B28	-	-	-	CTB28S	2CPX052334R9999		
	3	4	B38	CTB18	2CPX052314R9999		CTB28S	2CPX052334R9999		
	4	4	B48	CTB28	2CPX052315R9999		CTB28S	2CPX052334R9999		
	5	4	B58	CTB28	2CPX052315R9999		CTB38S	2CPX052335R9999		
9	1	5	B19	-	-	-	CTB19S	2CPX052336R9999		
	2	5	B29	-	-	-	CTB29S	2CPX052337R9999		
	3	5	B39	CTB19	2CPX052316R9999		CTB29S	2CPX052337R9999		
	4	5	B49	CTB29	2CPX052317R9999		CTB29S	2CPX052337R9999		
	5	5	B59	CTB29	2CPX052317R9999		CTB39S	2CPX052338R9999		

> Double-wing doors on cabinets with three or more panel widths



CTB27S

## Subdistribution boards

ComfortLine B wall-mounting cabinets

Accessories transparent doors

Article	GU	PW	BH	To be used with cabinet	Door without closure*			Door with closure*		
					Type	Order code	Price	Type	Order code	Price
3	1	00	B13	-	-	-	CTT13S	2CPX052353R9999		
			B23	-	-	CTT23S	2CPX052354R9999			
			B33	CTT13	2CPX052339R9999	CTT23S	2CPX052354R9999			
4	1	0	B14	-	-	CTT14S	2CPX052356R9999			
			B24	-	-	CTT24S	2CPX052357R9999			
			B34	CTT14	2CPX052341R9999	CTT24S	2CPX052357R9999			
			B44	CTT24	2CPX052342R9999	CTT24S	2CPX052357R9999			
			B54	CTT24	2CPX052342R9999	CTT34S	2CPX052358R9999			
5	1	1	B15	-	-	CTT15S	2CPX052359R9999			
			B25	-	-	CTT25S	2CPX052360R9999			
			B35	CTT15	2CPX052343R9999	CTT25S	2CPX052360R9999			
			B45	CTT25	2CPX052344R9999	CTT25S	2CPX052360R9999			
			B55	CTT25	2CPX052344R9999	CTT35S	2CPX052361R9999			
6	1	2	B16	-	-	CTT16S	2CPX052362R9999			
			B26	-	-	CTT26S	2CPX052363R9999			
			B36	CTT16	2CPX052345R9999	CTT26S	2CPX052363R9999			
			B46	CTT26	2CPX052346R9999	CTT26S	2CPX052363R9999			
			B56	CTT26	2CPX052346R9999	CTT36S	2CPX052364R9999			
7	1	3	B17	-	-	CTT17S	2CPX052365R9999			
			B27	-	-	CTT27S	2CPX052366R9999			
			B37	CTT17	2CPX052347R9999	CTT27S	2CPX052366R9999			
			B47	CTT27	2CPX052348R9999	CTT27S	2CPX052366R9999			
			B57	CTT27	2CPX052348R9999	CTT37S	2CPX052367R9999			
8	1	4	B18	-	-	CTT18S	2CPX052368R9999			
			B28	-	-	CTT28S	2CPX052369R9999			
			B38	CTT18	2CPX052349R9999	CTT28S	2CPX052369R9999			
			B48	CTT28	2CPX052350R9999	CTT28S	2CPX052369R9999			
			B58	CTT28	2CPX052350R9999	CTT38S	2CPX052370R9999			
9	1	5	B19	-	-	CTT19S	2CPX052371R9999			
			B29	-	-	CTT29S	2CPX052372R9999			
			B39	CTT19	2CPX052351R9999	CTT29S	2CPX052372R9999			
			B49	CTT29	2CPX052352R9999	CTT29S	2CPX052372R9999			
			B59	CTT29	2CPX052352R9999	CTT39S	2CPX052373R9999			


CTT27S

> Double-wing doors on cabinets with three or more panel widths

## Subdistribution boards

ComfortLine B wall-mounting cabinets

Accessories sheet steel doors with ventilation holes

Article	GU	PW	BH	To be used with cabinet*	Door without closure			Door with closure		
					Type	Order code	Price	Type	Order code	Price
	3	1	00	B13	-	-	-	CTL13S	2CPX052374R9999	
		2	00	B23	-	-	-	CTL23S	2CPX052375R9999	
		3	00	B33	-	-	-	CTL23S	2CPX052375R9999	
	4	1	0	B14	-	-	-	CTL14S	2CPX052376R9999	
		2	0	B24	-	-	-	CTL24S	2CPX052377R9999	
		3	0	B34	-	-	-	CTL24S	2CPX052377R9999	
		4	0	B44	-	-	-	CTL24S	2CPX052377R9999	
		5	0	B54	-	-	-	-	-	
	5	1	1	B15	-	-	-	CTL15S	2CPX052378R9999	
		2	1	B25	-	-	-	CTL25S	2CPX052379R9999	
		3	1	B35	-	-	-	CTL25S	2CPX052379R9999	
		4	1	B45	-	-	-	CTL25S	2CPX052379R9999	
		5	1	B55	-	-	-	-	-	
	6	1	2	B16	-	-	-	CTL16S	2CPX052380R9999	
		2	2	B26	-	-	-	CTL26S	2CPX052381R9999	
		3	2	B36	-	-	-	CTL26S	2CPX052381R9999	
		4	2	B46	-	-	-	CTL26S	2CPX052381R9999	
		5	2	B56	-	-	-	-	-	
	7	1	3	B17	-	-	-	CTL17S	2CPX052382R9999	
		2	3	B27	-	-	-	CTL27S	2CPX052383R9999	
		3	3	B37	-	-	-	CTL27S	2CPX052383R9999	
		4	3	B47	-	-	-	CTL27S	2CPX052383R9999	
		5	3	B57	-	-	-	CTL37S	2CPX052384R9999	
	8	1	4	B18	-	-	-	CTL18S	2CPX052484R9999	
		2	4	B28	-	-	-	CTL28S	2CPX052485R9999	
3		4	B38	-	-	-	CTL28S	2CPX052485R9999		
4		4	B48	-	-	-	CTL28S	2CPX052485R9999		
5		4	B58	-	-	-	-	-		
9	1	5	B19	-	-	-	CTL19S	2CPX052385R9999		
	2	5	B29	-	-	-	CTL29S	2CPX052386R9999		
	3	5	B39	-	-	-	CTL29S	2CPX052386R9999		
	4	5	B49	-	-	-	CTL29S	2CPX052386R9999		
	5	5	B59	-	-	-	CTL39S	2CPX052387R9999		


> Double-wing doors on cabinets with three or more panel widths

\* In conjunction with ComfortLine B Protection class IP30

## Subdistribution boards

ComfortLine B wall-mounting cabinets

Accessories sheet steel doors with plastic insert and ventilation holes (WiFi-door)

Article	GU	PW	BH	To be used with cabinet*	Door without closure			Door with closure		
					Type	Order code	Price	Type	Order code	Price
	3	1	00	B13	-	-		CTW13S	2CPX052388R9999	
		2	00	B23	-	-		CTW23S	2CPX052389R9999	
		3	00	B33	-	-		CTW23S	2CPX052389R9999	
	4	1	0	B14	-	-		CTW14S	2CPX052390R9999	
		2	0	B24	-	-		CTW24S	2CPX052391R9999	
		3	0	B34	-	-		CTW24S	2CPX052391R9999	
		4	0	B44	-	-		CTW24S	2CPX052391R9999	
		5	0	B54	-	-		-	-	
	5	1	1	B15	-	-		CTW15S	2CPX052392R9999	
		2	1	B25	-	-		CTW25S	2CPX052393R9999	
		3	1	B35	-	-		CTW25S	2CPX052393R9999	
		4	1	B45	-	-		CTW25S	2CPX052393R9999	
		5	1	B55	-	-		-	-	
	6	1	2	B16	-	-		CTW16S	2CPX052394R9999	
		2	2	B26	-	-		CTW26S	2CPX052395R9999	
		3	2	B36	-	-		CTW26S	2CPX052395R9999	
		4	2	B46	-	-		CTW26S	2CPX052395R9999	
		5	2	B56	-	-		-	-	
	7	1	3	B17	-	-		CTW17S	2CPX052396R9999	
		2	3	B27	-	-		CTW27S	2CPX052397R9999	
		3	3	B37	-	-		CTW27S	2CPX052397R9999	
		4	3	B47	-	-		CTW27S	2CPX052397R9999	
		5	3	B57	-	-		CTW37S	2CPX052398R9999	
	8	1	4	B18	-	-		CTW18S	2CPX052486R9999	
		2	4	B28	-	-		CTW28S	2CPX052487R9999	
3		4	B38	-	-		CTW28S	2CPX052487R9999		
4		4	B48	-	-		CTW28S	2CPX052487R9999		
5		4	B58	-	-		-	-		
9	1	5	B19	-	-		CTW19S	2CPX052399R9999		
	2	5	B29	-	-		CTW29S	2CPX052400R9999		
	3	5	B39	-	-		CTW29S	2CPX052400R9999		
	4	5	B49	-	-		CTW29S	2CPX052400R9999		
	5	5	B59	-	-		CTW39S	2CPX052401R9999		

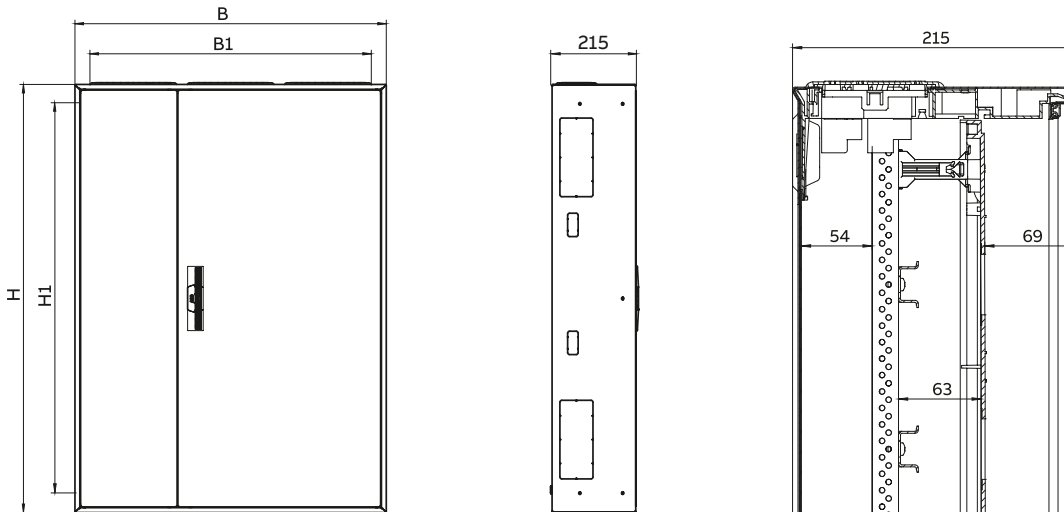
> Double-wing doors on cabinets with three or more panel widths

\* In conjunction with ComfortLine B Protection class IP30

## Subdistribution boards

ComfortLine B wall-mounting cabinets IP44

Dimensions



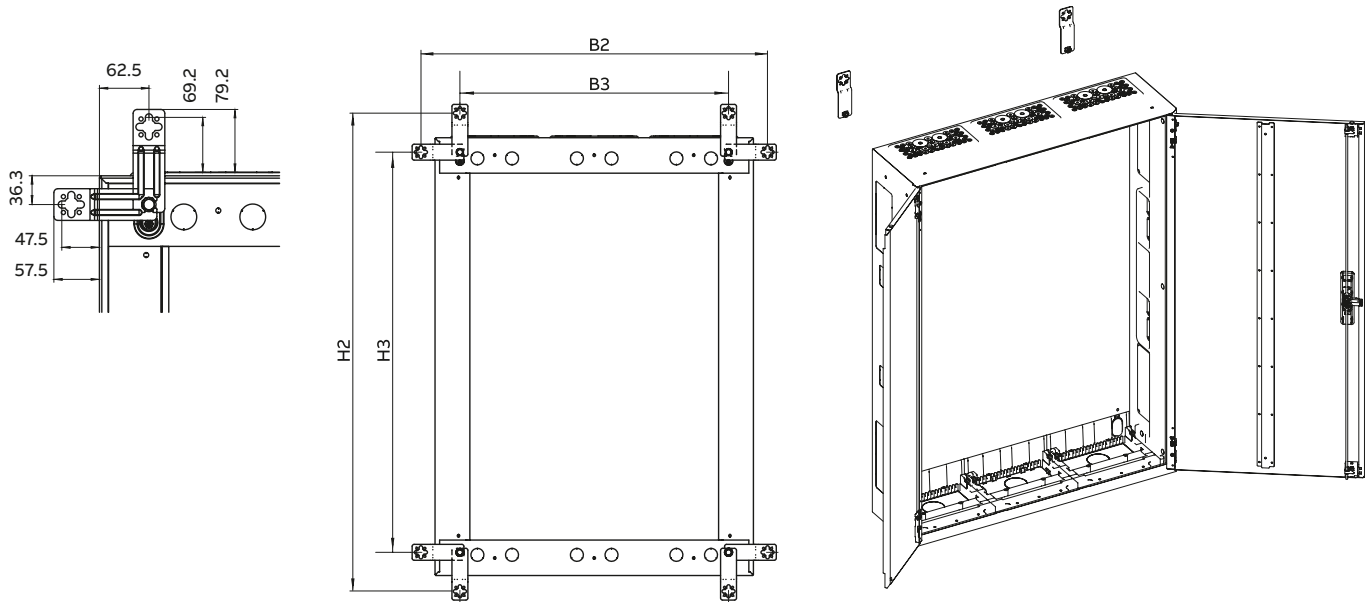
Type	GU	PW	SU	OH	External dimensions		Internal fastening		Door	
					H	B	H1	B1	without closure	with closure
B13		1	36		500	300	452	252	-	471 x 271
B23		2	72		500	550	452	502	-	471 x 521
B33	3	3	108	00	500	800	452	752	471 x 248	471 x 521
B14		1	48		650	300	602	252	-	621 x 271
B24		2	96		650	550	602	502	-	621 x 521
B34		3	144		650	800	602	752	621 x 248	621 x 521
B44		4	192		650	1050	602	1002	621 x 498	621 x 521
B54	4	5	240	0	650	1300	602	1252	621 x 498	621 x 771
B15		1	60		800	300	752	252	-	771 x 271
B25		2	120		800	550	752	502	-	771 x 521
B35		3	180		800	800	752	752	771 x 248	771 x 521
B45		4	240		800	1050	752	1002	771 x 498	771 x 521
B55	5	5	300	1	800	1300	752	1252	771 x 498	771 x 771
B16		1	72		950	300	902	252	-	921 x 271
B26		2	144		950	550	902	502	-	921 x 521
B36		3	216		950	800	902	752	921 x 248	921 x 521
B46		4	288		950	1050	902	1002	921 x 498	921 x 521
B56	6	5	360	2	950	1300	902	1252	921 x 498	921 x 771
B17		1	84		1100	300	1052	252	-	1071 x 271
B27		2	168		1100	550	1052	502	-	1071 x 521
B37		3	252		1100	800	1052	752	1071 x 248	1071 x 521
B47		4	336		1100	1050	1052	1002	1071 x 498	1071 x 521
B57	7	5	420	3	1100	1300	1052	1252	1071 x 498	1071 x 771
B18		1	96		1250	300	1202	252	-	1221 x 271
B28		2	192		1250	550	1202	502	-	1221 x 521
B38		3	288		1250	800	1202	752	1221 x 248	1221 x 521
B48		4	384		1250	1050	1202	1002	1221 x 498	1221 x 521
B58	8	5	480	4	1250	1300	1202	1252	1221 x 498	1221 x 771
B19		1	108		1400	300	1352	252	-	1371 x 271
B29		2	216		1400	550	1352	502	-	1371 x 521
B39		3	324		1400	800	1352	752	1371 x 248	1371 x 521
B49		4	432		1400	1050	1352	1002	1371 x 498	1371 x 521
B59	9	5	540	5	1400	1300	1352	1252	1371 x 498	1371 x 771

> Dimensions in mm | Double-wing doors on cabinets with three or more panel widths

## Subdistribution boards

ComfortLine B wall-mounting cabinets IP44

Dimensions and power loss



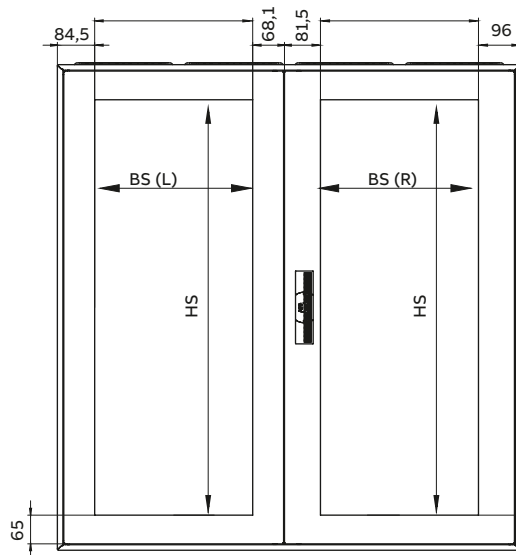
Type	GU	PW	SU	OH	External dimensions		Internal fastening		Power loss* PV (W)
					H2	B2	H3	B3	
B13		1	36		624 ± 12	371 ± 12	428	175	28.7
B23		2	72		624 ± 12	621 ± 12	428	425	47.2
B33	3	3	108	00	624 ± 12	871 ± 12	428	675	66.8
B14		1	48		774 ± 12	371 ± 12	578	175	35
B24		2	96		774 ± 12	621 ± 12	578	425	56
B34		3	144		774 ± 12	871 ± 12	578	675	59.5
B44		4	192		774 ± 12	1121 ± 12	578	925	80.4
B54	4	5	240	0	774 ± 12	1371 ± 12	578	1175	104.9
B15		1	60		924 ± 12	371 ± 12	728	175	41.4
B25		2	120		924 ± 12	621 ± 12	728	425	65
B35		3	180		924 ± 12	871 ± 12	728	675	69.4
B45		4	240		924 ± 12	1121 ± 12	728	925	96.1
B55	5	5	300	1	924 ± 12	1371 ± 12	728	1175	127.6
B16		1	72		1074 ± 12	371 ± 12	878	175	47.8
B26		2	144		1074 ± 12	621 ± 12	878	425	51.6
B36		3	216		1074 ± 12	871 ± 12	878	675	78.7
B46		4	288		1074 ± 12	1121 ± 12	878	925	111.9
B56	6	5	360	2	1074 ± 12	1371 ± 12	878	1175	150.1
B17		1	84		1224 ± 12	371 ± 12	1028	175	54.2
B27		2	168		1224 ± 12	621 ± 12	1028	425	60.4
B37		3	252		1224 ± 12	871 ± 12	1028	675	87.2
B47		4	336		1224 ± 12	1121 ± 12	1028	925	130.6
B57	7	5	420	3	1224 ± 12	1371 ± 12	1028	1175	170.3
B18		1	96		1374 ± 12	371 ± 12	1178	175	60.6
B28		2	192		1374 ± 12	621 ± 12	1178	425	68
B38		3	288		1374 ± 12	871 ± 12	1178	675	101
B48		4	384		1374 ± 12	1121 ± 12	1178	925	146.6
B58	8	5	480	4	1374 ± 12	1371 ± 12	1178	1175	189.7
B19		1	108		1524 ± 12	371 ± 12	1328	175	66.9
B29		2	216		1524 ± 12	621 ± 12	1328	425	77.4
B39		3	324		1524 ± 12	871 ± 12	1328	675	117.7
B49		4	432		1524 ± 12	1121 ± 12	1328	925	155.6
B59	9	5	540	5	1524 ± 12	1371 ± 12	1328	1175	189.7

> Dimensions in mm | \* Power loss PV in Watt at overtemperature ΔT 20K

## Subdistribution boards

ComfortLine B wall-mounting cabinets IP44

Dimensions transparent doors



Cabinet				Door without closure			Door with closure		
Type	GU	PW	BH	Type	H x W	Window BS(L) HS x BS	Type	H x W	Window BS(R) HS x BS
B13		1	00	-	-	-	CTT13S	471 x 271	341 x 108
B23		2	00	-	-	-	CTT23S	471 x 521	341 x 358
B33	3	3	00	CTT13	471 x 248	341 x 108	CTT23S	471 x 521	341 x 358
B14		1	0	-	-	-	CTT14S	621 x 271	491 x 108
B24		2	0	-	-	-	CTT24S	621 x 521	491 x 358
B34		3	0	CTT14	621 x 248	491 x 108	CTT24S	621 x 521	491 x 358
B44		4	0	CTT24	621 x 498	491 x 358	CTT24S	621 x 521	491 x 358
B54	4	5	0	CTT24	621 x 498	491 x 358	CTT34S	621 x 771	491 x 608
B15		1	1	-	-	-	CTT15S	771 x 271	641 x 108
B25		2	1	-	-	-	CTT25S	771 x 521	641 x 358
B35		3	1	CTT15	771 x 248	641 x 108	CTT25S	771 x 521	641 x 358
B45		4	1	CTT25	771 x 498	641 x 358	CTT25S	771 x 521	641 x 358
B55	5	5	1	CTT25	771 x 498	641 x 358	CTT35S	771 x 771	641 x 608
B16		1	2	-	-	-	CTT16S	921 x 271	791 x 108
B26		2	2	-	-	-	CTT26S	921 x 521	791 x 358
B36		3	2	CTT16	921 x 248	791 x 108	CTT26S	921 x 521	791 x 358
B46		4	2	CTT26	921 x 498	791 x 358	CTT26S	921 x 521	791 x 358
B56	6	5	2	CTT26	921 x 498	791 x 358	CTT36S	921 x 771	791 x 608
B17		1	3	-	-	-	CTT17S	1071 x 271	941 x 108
B27		2	3	-	-	-	CTT27S	1071 x 521	941 x 358
B37		3	3	CTT17	1071 x 248	941 x 108	CTT27S	1071 x 521	941 x 358
B47		4	3	CTT27	1071 x 498	941 x 358	CTT27S	1071 x 521	941 x 358
B57	7	5	3	CTT27	1071 x 498	941 x 358	CTT37S	1071 x 771	941 x 608
B18		1	4	-	-	-	CTT18S	1221 x 271	1091 x 108
B28		2	4	-	-	-	CTT28S	1221 x 521	1091 x 358
B38		3	4	CTT18	1221 x 248	1091 x 108	CTT28S	1221 x 521	1091 x 358
B48		4	4	CTT28	1221 x 498	1091 x 358	CTT28S	1221 x 521	1091 x 358
B58	8	5	4	CTT28	1221 x 498	1091 x 358	CTT38S	1221 x 771	1091 x 608
B19		1	5	-	-	-	CTT19S	1371 x 271	1241 x 108
B29		2	5	-	-	-	CTT29S	1371 x 521	1241 x 358
B39		3	5	CTT19	1371 x 248	1241 x 108	CTT29S	1371 x 521	1241 x 358
B49		4	5	CTT29	1371 x 498	1241 x 358	CTT29S	1371 x 521	1241 x 358
B59	9	5	5	CTT29	1371 x 498	1241 x 358	CTT39S	1371 x 771	1241 x 608

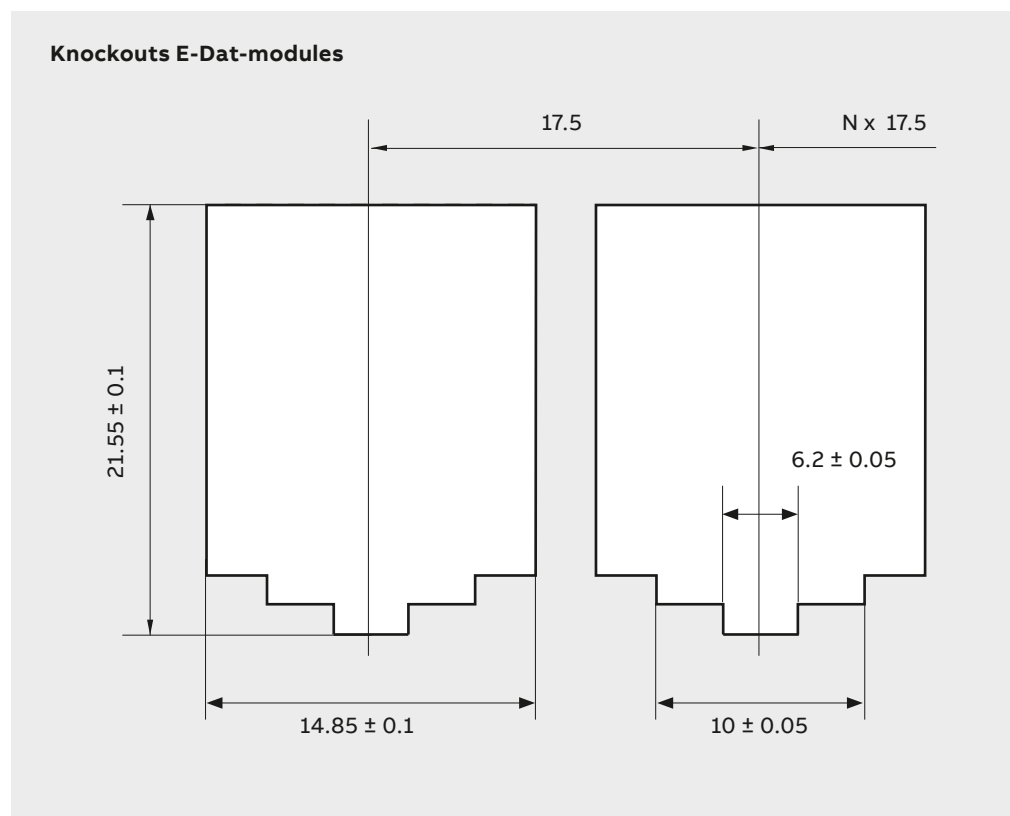
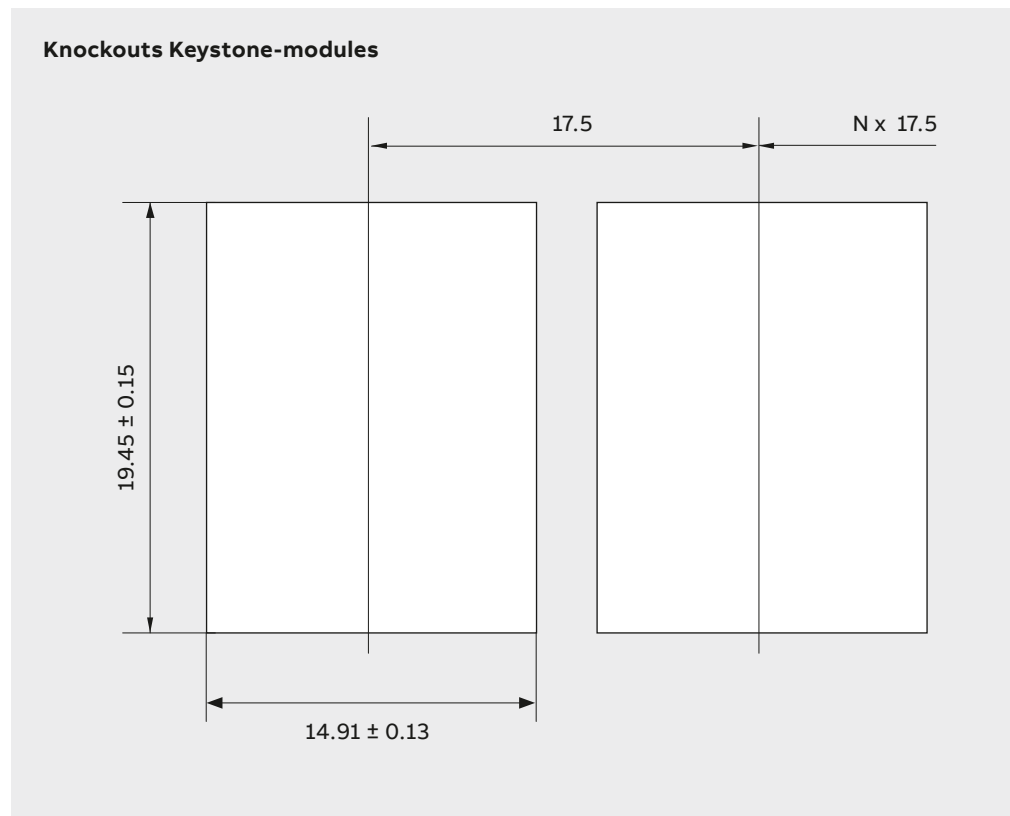
> Dimensions in mm | Double-wing doors on cabinets with three or more panel widths



## Subdistribution boards

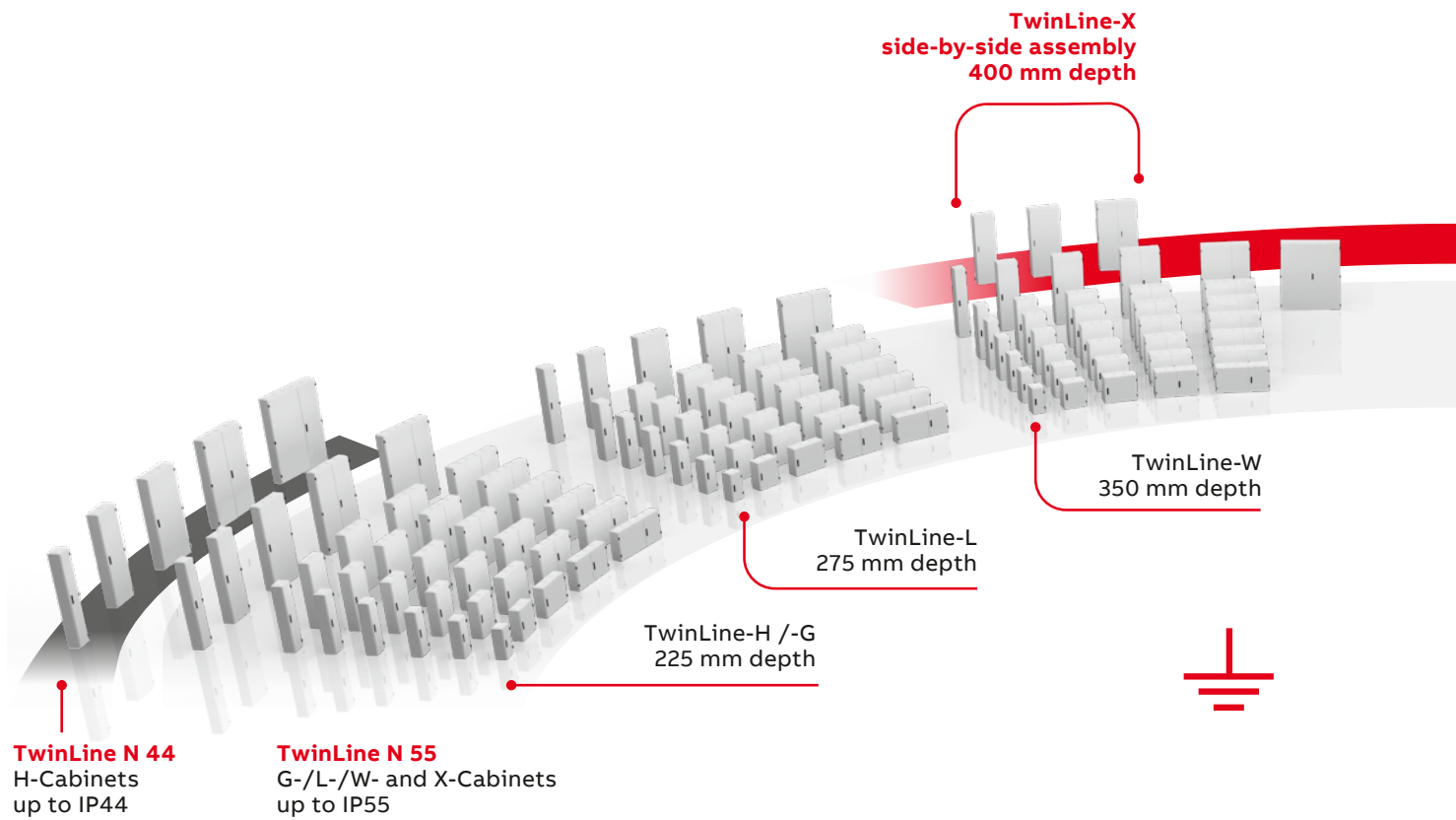
ComfortLine A/B wall-mounting cabinets IP44

Dimensions of the knockouts for the Keystone- and E-Dat-modules



# TwinLine N wall mounting and floor standing cabinets:

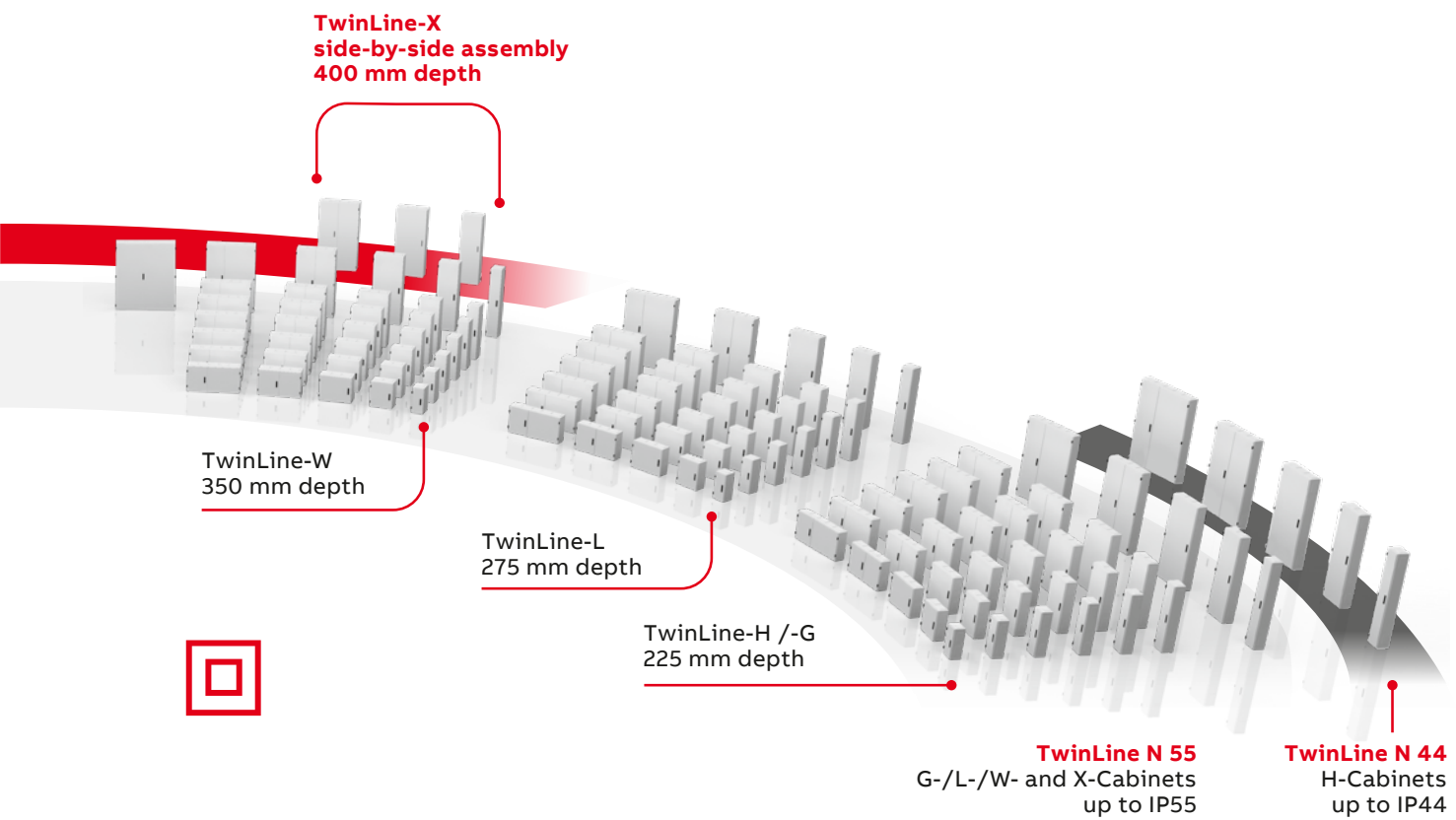
The complete cabinet system in all sizes



		TwinLine N 44					TwinLine N 55																				
Cabinet series		TwinLine-H					TwinLine-G					TwinLine-L					TwinLine-W					TwinLine-X					
Protection class		up to IP44					up to IP55					up to IP55					up to IP55					up to IP55					
Depth		225					225					275					350					400					
Width		300	550	800	1050	1300	300	550	800	1050	1300	300	550	800	1050	1300	300	550	800	1050	1300	1550	300	550	800	1050	1300
Height	RE 4	650	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	RE 5	800	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	RE 6	950	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	RE 7	1100	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	RE 8	1250	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	RE 9	1400	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	RE 12	1850	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	●

> Dimension in mm

- One system
- Two protection classes
- Four cabinet depths
- Unlimited possibilities



		<b>TwinLine N 44</b>					<b>TwinLine N 55</b>																				
<b>Cabinet series</b>		<b>TwinLine-H</b>					<b>TwinLine-G</b>					<b>TwinLine-L</b>					<b>TwinLine-W</b>					<b>TwinLine-X</b>					
Protection class		up to IP44					up to IP55										bis IP55					up to IP55					
<b>Depth</b>		<b>225</b>					<b>225</b>					<b>275</b>					<b>350</b>					<b>400</b>					
Width		300	550	800	1050	1300	300	550	800	1050	1300	300	550	800	1050	1300	300	550	800	1050	1300	1550	300	550	800	1050	1300
Height	RE 4	650	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	RE 5	800	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	RE 6	950	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	RE 7	1100	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	RE 8	1250	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
	RE 9	1400	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
RE 12	1850	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	●	-

> Dimension in mm

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## TwinLine N 44 floor-standing cabinets



## TwinLine N 44 floor-standing cabinets

### Specifications and product features

Specifications for TwinLine H	
<b>Standards/regulations</b>	DIN EN 61439-1/-2/-3, DIN VDE 0660-600-1/-2/-3*
<b>Protection class</b>	I, earthed II, insulated
<b>Degree of protection</b>	with IP44 door Without IP30 door, when expanded as an installation distributor with meter and distributor fields, combination sets or CombiLine modules
<b>Mechanical impact strength</b>	IK08 for the cabinet housing with steel-sheet door IK07 in the area of flange knock-outs
<b>Ambient conditions</b>	Indoor installation Ambient temperature max. + 40 °C Ambient temperature min. - 5 °C Operating temperature max. + 55 °C Storage temperature max. + 55 °C Storage temperature min. - 5 °C

Product features for TwinLine H	
<b>Housing and doors</b>	Made of sheet steel, color RAL 7035, powder-coated A flange opening is cut out for each field width, knock-outs are on the bottom Door opening angle 180 degrees Double door cabinets with field width 4 and over Doors with rod lock Standard closure, double-bit 3 mm
<b>Assembly options*</b>	Prepared for expansion with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame
<b>Forms of delivery</b>	Housing with door External mounting lugs are included in the scope of delivery Support elements for each field width are included in the scope of delivery Touch protection included in the scope of delivery Middle support rail included in the scope of delivery
<b>Accessories</b>	Flanges must be ordered separately Base must be ordered separately

\*The permissible heating for switchgear combinations (SK) up to 630 A rated current can be verified using the procedure according to 10.10.4.2; The required values of the power dissipation capacity for TwinLine N 44 standing cabinets refer to the tables on page ; above 630 A rated current, the procedure in accordance with 10.10.4.3 (DIN EN 61439-1 supplementary sheet 2, DIN VDE 0660-600-1 supplementary sheet 2) must be applied

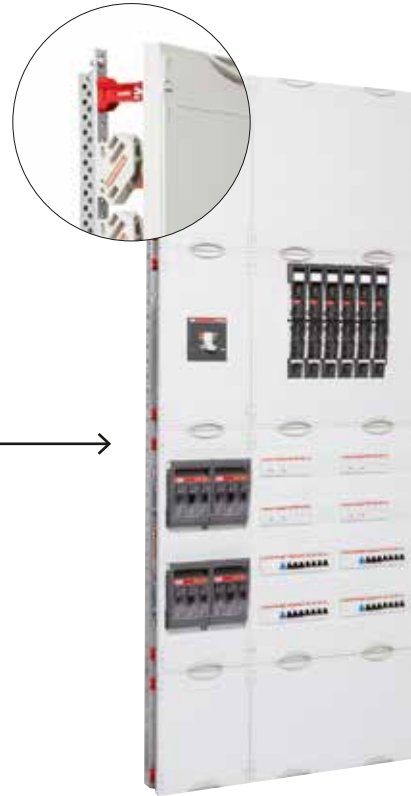
## TwinLine N 44 floor-standing cabinets

Delivery condition and expansion variants



**TH312G**

- Support components for each field width are pre-assembled
- Middle support rail and touch protection are included in the scope of delivery



**EDF mounting frame installation**

Expansion to an installation distributor with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame possible

## TwinLine N 44 floor-standing cabinets

TwinLine-H, cabinet depth 225 mm,  $\perp$   $\square$



TH312G

### Included in the scope of delivery

- External mounting brackets
- Supports for expansion with EDF mounting frame
- Middle support rail
- Touch protection

### Order accessories separately

- Flanges
- Base

Height		Width		External dimensions		Floor-standing cabinets with door IP44	
RE	BH	FB	PLE	H x W in mm	Type	Order code	
TwinLine-H, cabinet depth 225 mm $\perp$							
12	8	1	144	1850 x 300	TH112G	2CPX010948R9999	
		2	288	1850 x 550	TH212G	2CPX010950R9999	
		3	432	1850 x 800	TH312G	2CPX010952R9999	
		4	576	1850 x 1050	TH412G	2CPX010954R9999	
		5	720	1850 x 1300	TH512G	2CPX010957R9999	
TwinLine-H, cabinet depth 225 mm $\square$							
12	8	1	144	1850 x 300	TH112S	2CPX010949R9999	
		2	288	1850 x 550	TH212S	2CPX010951R9999	
		3	432	1850 x 800	TH312S	2CPX010953R9999	
		4	576	1850 x 1050	TH412S	2CPX010955R9999	
		5	720	1850 x 1300	TH512S	2CPX010958R9999	

Cabinet accessories from page 22/104

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## TwinLine N 55 wall cabinets and floor-standing cabinets

Wall cabinets





## TwinLine N 55 wall cabinets and floor-standing cabinets

### Wall cabinets/specifications and product features

Specifications for TwinLine-G, -L and -W	
<b>Standards/regulations</b>	DIN EN 61439-1/-2/-3, DIN VDE 0660-600-1/-2/-3*1
<b>Protection class</b>	I, earthed II, insulated
<b>Degree of protection</b>	with IP55 door Without IP30 door, when expanded as an installation distributor with meter and distributor fields, combination sets or CombiLine modules
<b>Mechanical impact strength</b>	IK08 for the cabinet housing with steel-sheet door IK07 in the area of flange knock-outs and for transparent doors
<b>Ambient conditions</b>	Indoor installation Ambient temperature max. + 40 °C Ambient temperature min. - 5 °C Operating temperature max. + 55 °C Storage temperature max. + 55 °C Storage temperature min. - 5 °C

Product features for TwinLine-G, -L and -W	
<b>Housing and doors</b>	Made of sheet steel, color RAL 7035, powder-coated A flange opening is cut out for each field width, knock-outs are on the side and bottom Door opening angle 180 degrees Double door cabinets with field width 4 and over Doors with rod lock Standard closure, double-bit 3 mm
<b>Assembly options*</b>	Prepared for expansion with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame Prepared for expansion with CombiLine modules on the WRmounting frame and mounting plates, by removing the EDF adapter
<b>Forms of delivery</b>	Housing with door Housing without door External mounting lugs are included in the scope of delivery Mounting strips with left and right mounting frame brackets, as well as an additional mounting strip for field width 4 and above cabinets, are included in the scope of delivery Touch protection for the insulated cabinet is included in the scope of delivery Touch protection for the earthed cabinet must be ordered separately as an accessory
<b>Accessories</b>	For housings without doors, the door can be ordered separately, as needed Flanges must be ordered separately Touch protection for the earthed cabinet must be ordered separately

\*1 The permissible heating for switchgear combinations (SK) up to 630 A rated current can be verified using the procedure according to 10.10.4.2; for the required values of the power dissipation capacity, please refer to the tables on page above 630 A rated current, the procedure according to 10.10.4.3 (DIN EN 61439-1 supplementary sheet 2, DIN VDE 0660-600-1 supplementary sheet 2) must be applied

\* For detailed description of the assembly options of floor-standing cabinets see next pages in this chapter

## TwinLine N 55 wall cabinets and floor-standing cabinets

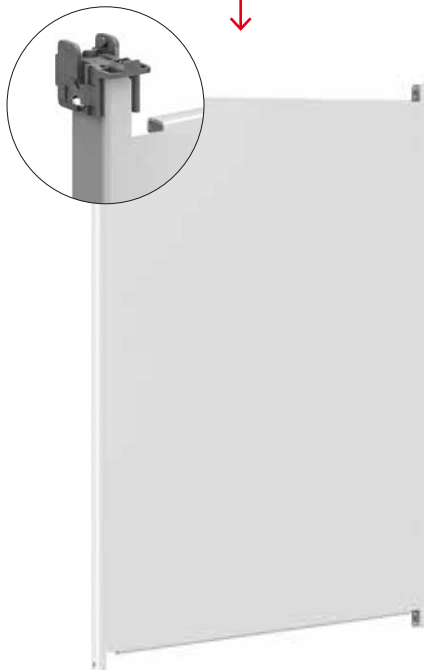
Wall cabinets/assembly options  $\perp$



TG306G

Additionally order touch protection

Additionally order touch protection



### Mounting plate installation

Expansion for the control technology with mounting plate, by removing the EDF adapter



### EDF mounting frame installation

Expansion as an installation distributor with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame



### Installation of WR mounting frame

Expansion as an installation distributor with CombiLine modules on WR mounting frame, by removing the EDF Adapter

A combination of the individual expansion variants next to each other is possible.

## TwinLine N 55 wall cabinets and floor-standing cabinets

Wall cabinets/assembly options 



TG306S

Touch protection included  
in the scope of delivery

Touch protection included  
in the scope of delivery



**EDF mounting frame installation**  
Expansion as an installation distributor  
with meter and distributor fields,  
combination sets or CombiLine  
modules on EDF mounting frame



**Installation of WR mounting frame**  
Expansion as an installation  
distributor with CombiLine  
modules on WR mounting frame,  
by removing the EDF Adapter

A combination of the individual expansion variants next to each other is possible.

## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine-G wall cabinet, cabinet depth 225 mm  $\perp$



TG306G

### Included in the scope of delivery

- External mounting brackets
- Mounting rails with left and right mounting frame brackets, as well as an additional mounting rail for cabinets with field width 4 and above
- Supports for expansion with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame
- Support for expansion with CombiLine modules on WRmounting frame and mounting plates, by removing the EDF Adapter

### Order accessories separately

- Flanges
- Touch protection for expansion with meter and distributor fields, combination sets or CombiLine modules

Height		Width		External dimensions* <sup>2</sup>	Wall cabinets with door IP55		Wall cabinets without door IP30	
RE	BH	FB	PLE		H x W in mm	Type	Order code	Type
4	0	1	48	650 x 300	TG104G	2CPX010000R9999	TG104GB	2CPX010221R9999
		2	96	650 x 550	TG204G	2CPX010001R9999	TG204GB	2CPX010222R9999
		3	144	650 x 800	TG304G	2CPX010002R9999	TG304GB	2CPX010223R9999
		4	192	650 x 1050	TG404G	2CPX010003R9999	TG404GB	2CPX010224R9999
		5	240	650 x 1300	TG504G	2CPX010004R9999	TG504GB	2CPX010225R9999
5	1	1	60	800 x 300	TG105G	2CPX010005R9999	TG105GB	2CPX010226R9999
		2	120	800 x 550	TG205G	2CPX010006R9999	TG205GB	2CPX010227R9999
		3	180	800 x 800	TG305G	2CPX010007R9999	TG305GB	2CPX010228R9999
		4	240	800 x 1050	TG405G	2CPX010008R9999	TG405GB	2CPX010229R9999
		5	300	800 x 1300	TG505G	2CPX010009R9999	TG505GB	2CPX010230R9999
6	2	1	72	950 x 300	TG106G	2CPX010010R9999	TG106GB	2CPX010231R9999
		2	144	950 x 550	TG206G	2CPX010011R9999	TG206GB	2CPX010232R9999
		3	216	950 x 800	TG306G	2CPX010012R9999	TG306GB	2CPX010233R9999
		4	288	950 x 1050	TG406G	2CPX010013R9999	TG406GB	2CPX010234R9999
		5	360	950 x 1300	TG506G	2CPX010014R9999	TG506GB	2CPX010235R9999
7	3	1	84	1100 x 300	TG107G	2CPX010015R9999	TG107GB	2CPX010236R9999
		2	168	1100 x 550	TG207G	2CPX010016R9999	TG207GB	2CPX010237R9999
		3	252	1100 x 800	TG307G	2CPX010017R9999	TG307GB	2CPX010238R9999
		4	336	1100 x 1050	TG407G	2CPX010018R9999	TG407GB	2CPX010239R9999
		5	420	1100 x 1300	TG507G	2CPX010019R9999	TG507GB	2CPX010240R9999
8	4	1	96	1250 x 300	TG108G	2CPX010020R9999	TG108GB	2CPX010241R9999
		2	192	1250 x 550	TG208G	2CPX010021R9999	TG208GB	2CPX010242R9999
		3	288	1250 x 800	TG308G	2CPX010022R9999	TG308GB	2CPX010243R9999
		4	384	1250 x 1050	TG408G	2CPX010023R9999	TG408GB	2CPX010244R9999
		5	480	1250 x 1300	TG508G	2CPX010024R9999	TG508GB	2CPX010245R9999
9	5	1	108	1400 x 300	TG109G	2CPX010025R9999	TG109GB	2CPX010246R9999
		2	216	1400 x 550	TG209G	2CPX010026R9999	TG209GB	2CPX010247R9999
		3	324	1400 x 800	TG309G	2CPX010027R9999	TG309GB	2CPX010248R9999
		4	432	1400 x 1050	TG409G	2CPX010028R9999	TG409GB	2CPX010249R9999
		5	540	1400 x 1300	TG509G	2CPX010029R9999	TG509GB	2CPX010250R9999

\*<sup>1</sup> When expanding as an installation distributor with meter and distributor fields, combination sets or CombiLine modules

\*<sup>2</sup> External dimensions are without flange embossing.

## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine-G wall cabinet, cabinet depth 225 mm 



TG306S

### Included in the scope of delivery

- External mounting brackets
- Touch protection
- Mounting rails with left and right mounting frame brackets, as well as an additional mounting rail for cabinets with field width 4 and above
- Supports for expansion with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame
- Support for expansion with CombiLine modules on WR mounting frame, by removing the EDF Adapter

### Order accessories separately

- Flanges

Height		Width		External dimensions* <sup>2</sup>	Wall cabinets with door IP55		Wall cabinets without door IP30* <sup>1</sup>	
RE	BH	FB	PLE		H x W in mm	Type	Order code	Type
4	0	1	48	650 x 300	TG104S	2CPX010035R9999	TG104SB	2CPX010256R9999
		2	96	650 x 550	TG204S	2CPX010036R9999	TG204SB	2CPX010257R9999
		3	144	650 x 800	TG304S	2CPX010037R9999	TG304SB	2CPX010258R9999
		4	192	650 x 1050	TG404S	2CPX010038R9999	TG404SB	2CPX010259R9999
		5	240	650 x 1300	TG504S	2CPX010039R9999	TG504SB	2CPX010260R9999
5	1	1	60	800 x 300	TG105S	2CPX010040R9999	TG105SB	2CPX010261R9999
		2	120	800 x 550	TG205S	2CPX010041R9999	TG205SB	2CPX010262R9999
		3	180	800 x 800	TG305S	2CPX010042R9999	TG305SB	2CPX010263R9999
		4	240	800 x 1050	TG405S	2CPX010043R9999	TG405SB	2CPX010264R9999
		5	300	800 x 1300	TG505S	2CPX010044R9999	TG505SB	2CPX010265R9999
6	2	1	72	950 x 300	TG106S	2CPX010045R9999	TG106SB	2CPX010266R9999
		2	144	950 x 550	TG206S	2CPX010046R9999	TG206SB	2CPX010267R9999
		3	216	950 x 800	TG306S	2CPX010047R9999	TG306SB	2CPX010268R9999
		4	288	950 x 1050	TG406S	2CPX010048R9999	TG406SB	2CPX010269R9999
		5	360	950 x 1300	TG506S	2CPX010049R9999	TG506SB	2CPX010270R9999
7	3	1	84	1100 x 300	TG107S	2CPX010050R9999	TG107SB	2CPX010271R9999
		2	168	1100 x 550	TG207S	2CPX010051R9999	TG207SB	2CPX010272R9999
		3	252	1100 x 800	TG307S	2CPX010052R9999	TG307SB	2CPX010273R9999
		4	336	1100 x 1050	TG407S	2CPX010053R9999	TG407SB	2CPX010274R9999
		5	420	1100 x 1300	TG507S	2CPX010054R9999	TG507SB	2CPX010275R9999
8	4	1	96	1250 x 300	TG108S	2CPX010055R9999	TG108SB	2CPX010276R9999
		2	192	1250 x 550	TG208S	2CPX010056R9999	TG208SB	2CPX010277R9999
		3	288	1250 x 800	TG308S	2CPX010057R9999	TG308SB	2CPX010278R9999
		4	384	1250 x 1050	TG408S	2CPX010058R9999	TG408SB	2CPX010279R9999
		5	480	1250 x 1300	TG508S	2CPX010059R9999	TG508SB	2CPX010280R9999
9	5	1	108	1400 x 300	TG109S	2CPX010060R9999	TG109SB	2CPX010281R9999
		2	216	1400 x 550	TG209S	2CPX010061R9999	TG209SB	2CPX010282R9999
		3	324	1400 x 800	TG309S	2CPX010062R9999	TG309SB	2CPX010283R9999
		4	432	1400 x 1050	TG409S	2CPX010063R9999	TG409SB	2CPX010284R9999
		5	540	1400 x 1300	TG509S	2CPX010064R9999	TG509SB	2CPX010285R9999

\*<sup>1</sup> When expanding as an installation distributor with meter and distributor fields, combination sets or CombiLine modules

\*<sup>2</sup> External dimensions are without flange embossing.

## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine-L wall cabinets, cabinet depth 275 mm  $\perp$



TL306G

### Included in the scope of delivery

- External mounting brackets
- Mounting rails with left and right mounting frame brackets, as well as an additional mounting rail for cabinets with field width 4 and above
- Supports for expansion with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame
- Support for expansion with CombiLine modules on WR mounting frame and mounting plates, by removing the EDF Adapter

### Order accessories separately

- Flanges
- Touch protection for expansion with meter and distributor fields, combination sets or CombiLine modules

Height		Width		External dimensions* <sup>2</sup>	Wall cabinets with door IP55		Wall cabinets without door IP30* <sup>1</sup>	
RE	BH	FB	PLE	H x W in mm	Type	Order code	Type	Order code
4	0	1	48	650 x 300	TL104G	2CPX010070R9999	TL104GB	2CPX010291R9999
		2	96	650 x 550	TL204G	2CPX010071R9999	TL204GB	2CPX010292R9999
		3	144	650 x 800	TL304G	2CPX010072R9999	TL304GB	2CPX010293R9999
		4	192	650 x 1050	TL404G	2CPX010073R9999	TL404GB	2CPX010294R9999
		5	240	650 x 1300	TL504G	2CPX010074R9999	TL504GB	2CPX010295R9999
5	1	1	60	800 x 300	TL105G	2CPX010075R9999	TL105GB	2CPX010296R9999
		2	120	800 x 550	TL205G	2CPX010076R9999	TL205GB	2CPX010297R9999
		3	180	800 x 800	TL305G	2CPX010077R9999	TL305GB	2CPX010298R9999
		4	240	800 x 1050	TL405G	2CPX010078R9999	TL405GB	2CPX010299R9999
		5	300	800 x 1300	TL505G	2CPX010079R9999	TL505GB	2CPX010300R9999
6	2	1	72	950 x 300	TL106G	2CPX010080R9999	TL106GB	2CPX010301R9999
		2	144	950 x 550	TL206G	2CPX010081R9999	TL206GB	2CPX010302R9999
		3	216	950 x 800	TL306G	2CPX010082R9999	TL306GB	2CPX010303R9999
		4	288	950 x 1050	TL406G	2CPX010083R9999	TL406GB	2CPX010304R9999
		5	360	950 x 1300	TL506G	2CPX010084R9999	TL506GB	2CPX010305R9999
7	3	1	84	1100 x 300	TL107G	2CPX010085R9999	TL107GB	2CPX010306R9999
		2	168	1100 x 550	TL207G	2CPX010086R9999	TL207GB	2CPX010307R9999
		3	252	1100 x 800	TL307G	2CPX010087R9999	TL307GB	2CPX010308R9999
		4	336	1100 x 1050	TL407G	2CPX010088R9999	TL407GB	2CPX010309R9999
		5	420	1100 x 1300	TL507G	2CPX010089R9999	TL507GB	2CPX010310R9999
8	4	1	96	1250 x 300	TL108G	2CPX010090R9999	TL108GB	2CPX010311R9999
		2	192	1250 x 550	TL208G	2CPX010091R9999	TL208GB	2CPX010312R9999
		3	288	1250 x 800	TL308G	2CPX010092R9999	TL308GB	2CPX010313R9999
		4	384	1250 x 1050	TL408G	2CPX010093R9999	TL408GB	2CPX010314R9999
		5	480	1250 x 1300	TL508G	2CPX010094R9999	TL508GB	2CPX010315R9999
9	5	1	108	1400 x 300	TL109G	2CPX010095R9999	TL109GB	2CPX010316R9999
		2	216	1400 x 550	TL209G	2CPX010096R9999	TL209GB	2CPX010317R9999
		3	324	1400 x 800	TL309G	2CPX010097R9999	TL309GB	2CPX010318R9999
		4	432	1400 x 1050	TL409G	2CPX010098R9999	TL409GB	2CPX010319R9999
		5	540	1400 x 1300	TL509G	2CPX010099R9999	TL509GB	2CPX010320R9999

\*<sup>1</sup> When expanding as an installation distributor with meter and distributor fields, combination sets or CombiLine modules

\*<sup>2</sup> External dimensions are without flange embossing.

## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine-L wall cabinets, cabinet depth 275 mm  $\perp$



TL306S

### Included in the scope of delivery

- External mounting brackets
- Touch protection
- Mounting rails with left and right mounting frame brackets, as well as an additional mounting rail for cabinets with field width 4 and above
- Supports for expansion with meter and distributor fields, combination sets or CombiLine modules on EDFmounting frame
- Support for expansion with CombiLine modules on WRmounting frame, by removing the EDF Adapter

### Order accessories separately

- Flanges

Height		Width		External dimensions* <sup>2</sup>	Wall cabinets with door IP55		Wall cabinets without door IP30* <sup>1</sup>	
RE	BH	FB	PLE	H x W in mm	Type	Order code	Type	Order code
4	0	1	48	650 x 300	TL104S	2CPX010105R9999	TL104SB	2CPX010326R9999
		2	96	650 x 550	TL204S	2CPX010106R9999	TL204SB	2CPX010327R9999
		3	144	650 x 800	TL304S	2CPX010107R9999	TL304SB	2CPX010328R9999
		4	192	650 x 1050	TL404S	2CPX010108R9999	TL404SB	2CPX010329R9999
		5	240	650 x 1300	TL504S	2CPX010109R9999	TL504SB	2CPX010330R9999
5	1	1	60	800 x 300	TL105S	2CPX010110R9999	TL105SB	2CPX010331R9999
		2	120	800 x 550	TL205S	2CPX010111R9999	TL205SB	2CPX010332R9999
		3	180	800 x 800	TL305S	2CPX010112R9999	TL305SB	2CPX010333R9999
		4	240	800 x 1050	TL405S	2CPX010113R9999	TL405SB	2CPX010334R9999
		5	300	800 x 1300	TL505S	2CPX010114R9999	TL505SB	2CPX010335R9999
6	2	1	72	950 x 300	TL106S	2CPX010115R9999	TL106SB	2CPX010336R9999
		2	144	950 x 550	TL206S	2CPX010116R9999	TL206SB	2CPX010337R9999
		3	216	950 x 800	TL306S	2CPX010117R9999	TL306SB	2CPX010338R9999
		4	288	950 x 1050	TL406S	2CPX010118R9999	TL406SB	2CPX010339R9999
		5	360	950 x 1300	TL506S	2CPX010119R9999	TL506SB	2CPX010340R9999
7	3	1	84	1100 x 300	TL107S	2CPX010120R9999	TL107SB	2CPX010341R9999
		2	168	1100 x 550	TL207S	2CPX010121R9999	TL207SB	2CPX010342R9999
		3	252	1100 x 800	TL307S	2CPX010122R9999	TL307SB	2CPX010343R9999
		4	336	1100 x 1050	TL407S	2CPX010123R9999	TL407SB	2CPX010344R9999
		5	420	1100 x 1300	TL507S	2CPX010124R9999	TL507SB	2CPX010345R9999
8	4	1	96	1250 x 300	TL108S	2CPX010125R9999	TL108SB	2CPX010346R9999
		2	192	1250 x 550	TL208S	2CPX010126R9999	TL208SB	2CPX010347R9999
		3	288	1250 x 800	TL308S	2CPX010127R9999	TL308SB	2CPX010348R9999
		4	384	1250 x 1050	TL408S	2CPX010128R9999	TL408SB	2CPX010349R9999
		5	480	1250 x 1300	TL508S	2CPX010129R9999	TL508SB	2CPX010350R9999
9	5	1	108	1400 x 300	TL109S	2CPX010130R9999	TL109SB	2CPX010351R9999
		2	216	1400 x 550	TL209S	2CPX010131R9999	TL209SB	2CPX010352R9999
		3	324	1400 x 800	TL309S	2CPX010132R9999	TL309SB	2CPX010353R9999
		4	432	1400 x 1050	TL409S	2CPX010133R9999	TL409SB	2CPX010354R9999
		5	540	1400 x 1300	TL509S	2CPX010134R9999	TL509SB	2CPX010355R9999

\*<sup>1</sup> When expanding as an installation distributor with meter and distributor fields, combination sets or CombiLine modules

\*<sup>2</sup> External dimensions are without flange embossing.

## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine-W wall cabinets, cabinet depth 350 mm  $\perp$



TW306G

### Included in the scope of delivery

- External mounting brackets
- Mounting rails with left and right mounting frame brackets, as well as an additional mounting rail for cabinets with field width 4 and above
- Supports for expansion with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame
- Support for expansion with CombiLine modules on WR mounting frame and mounting plates, by removing the EDF Adapter

### Order accessories separately

- Flanges
- Touch protection for expansion with meter and distributor fields, combination sets or CombiLine modules

Height		Width		External dimensions* <sup>2</sup>	Wall cabinets with door IP55		Wall cabinets without door IP30* <sup>1</sup>	
RE	BH	FB	PLE		H x W in mm	Type	Order code	Type
4	0	1	48	650 x 300	TW104G	2CPX010140R9999	TW104GB	2CPX010361R9999
		2	96	650 x 550	TW204G	2CPX010141R9999	TW204GB	2CPX010362R9999
		3	144	650 x 800	TW304G	2CPX010142R9999	TW304GB	2CPX010363R9999
		4	192	650 x 1050	TW404G	2CPX010143R9999	TW404GB	2CPX010364R9999
		5	240	650 x 1300	TW504G	2CPX010144R9999	TW504GB	2CPX010365R9999
5	1	1	60	800 x 300	TW105G	2CPX010202R9999	TW105GB	2CPX010366R9999
		2	120	800 x 550	TW205G	2CPX010203R9999	TW205GB	2CPX010367R9999
		3	180	800 x 800	TW305G	2CPX010204R9999	TW305GB	2CPX010368R9999
		4	240	800 x 1050	TW405G	2CPX010205R9999	TW405GB	2CPX010369R9999
		5	300	800 x 1300	TW505G	2CPX010206R9999	TW505GB	2CPX010370R9999
6	2	1	72	950 x 300	TW106G	2CPX010145R9999	TW106GB	2CPX010371R9999
		2	144	950 x 550	TW206G	2CPX010146R9999	TW206GB	2CPX010372R9999
		3	216	950 x 800	TW306G	2CPX010147R9999	TW306GB	2CPX010373R9999
		4	288	950 x 1050	TW406G	2CPX010148R9999	TW406GB	2CPX010374R9999
		5	360	950 x 1300	TW506G	2CPX010149R9999	TW506GB	2CPX010375R9999
7	3	1	84	1100 x 300	TW107G	2CPX010150R9999	TW107GB	2CPX010376R9999
		2	168	1100 x 550	TW207G	2CPX010151R9999	TW207GB	2CPX010377R9999
		3	252	1100 x 800	TW307G	2CPX010152R9999	TW307GB	2CPX010378R9999
		4	336	1100 x 1050	TW407G	2CPX010153R9999	TW407GB	2CPX010379R9999
		5	420	1100 x 1300	TW507G	2CPX010154R9999	TW507GB	2CPX010380R9999
8	4	1	96	1250 x 300	TW108G	2CPX010155R9999	TW108GB	2CPX010381R9999
		2	192	1250 x 550	TW208G	2CPX010156R9999	TW208GB	2CPX010382R9999
		3	288	1250 x 800	TW308G	2CPX010157R9999	TW308GB	2CPX010383R9999
		4	384	1250 x 1050	TW408G	2CPX010158R9999	TW408GB	2CPX010384R9999
		5	480	1250 x 1300	TW508G	2CPX010159R9999	TW508GB	2CPX010385R9999
9	5	1	108	1400 x 300	TW109G	2CPX010160R9999	TW109GB	2CPX010386R9999
		2	216	1400 x 550	TW209G	2CPX010161R9999	TW209GB	2CPX010387R9999
		3	324	1400 x 800	TW309G	2CPX010162R9999	TW309GB	2CPX010388R9999
		4	432	1400 x 1050	TW409G	2CPX010163R9999	TW409GB	2CPX010389R9999
		5	540	1400 x 1300	TW509G	2CPX010164R9999	TW509GB	2CPX010390R9999

\*<sup>1</sup> When expanding as an installation distributor with meter and distributor fields, combination sets or CombiLine modules

\*<sup>2</sup> External dimensions are without flange embossing.



## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine-W wall cabinets, cabinet depth 350 mm  $\perp$



TW306S

### Included in the scope of delivery

- External mounting brackets
- Touch protection
- Mounting rails with left and right mounting frame brackets, as well as an additional mounting rail for cabinets with field width 4 and above
- Supports for expansion with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame
- Support for expansion with CombiLine modules on WR mounting frame, by removing the EDF Adapter

### Order accessories separately

- Flanges

Height		Width		External dimensions* <sup>2</sup>	Wall cabinets with door IP55		Wall cabinets without door IP30* <sup>1</sup>	
RE	BH	FB	PLE		H x W in mm	Type	Order code	Type
4	0	1	48	650 x 300	TW104S	2CPX010171R9999	TW104SB	2CPX010397R9999
		2	96	650 x 550	TW204S	2CPX010172R9999	TW204SB	2CPX010398R9999
		3	144	650 x 800	TW304S	2CPX010173R9999	TW304SB	2CPX010399R9999
		4	192	650 x 1050	TW404S	2CPX010174R9999	TW404SB	2CPX010400R9999
		5	240	650 x 1300	TW504S	2CPX010175R9999	TW504SB	2CPX010401R9999
5	1	1	60	800 x 300	TW105S	2CPX010207R9999	TW105SB	2CPX010402R9999
		2	120	800 x 550	TW205S	2CPX010208R9999	TW205SB	2CPX010403R9999
		3	180	800 x 800	TW305S	2CPX010209R9999	TW305SB	2CPX010404R9999
		4	240	800 x 1050	TW405S	2CPX010210R9999	TW405SB	2CPX010405R9999
		5	300	800 x 1300	TW505S	2CPX010211R9999	TW505SB	2CPX010406R9999
6	2	1	72	950 x 300	TW106S	2CPX010176R9999	TW106SB	2CPX010407R9999
		2	144	950 x 550	TW206S	2CPX010177R9999	TW206SB	2CPX010408R9999
		3	216	950 x 800	TW306S	2CPX010178R9999	TW306SB	2CPX010409R9999
		4	288	950 x 1050	TW406S	2CPX010179R9999	TW406SB	2CPX010410R9999
		5	360	950 x 1300	TW506S	2CPX010180R9999	TW506SB	2CPX010411R9999
7	3	1	84	1100 x 300	TW107S	2CPX010181R9999	TW107SB	2CPX010412R9999
		2	168	1100 x 550	TW207S	2CPX010182R9999	TW207SB	2CPX010413R9999
		3	252	1100 x 800	TW307S	2CPX010183R9999	TW307SB	2CPX010414R9999
		4	336	1100 x 1050	TW407S	2CPX010184R9999	TW407SB	2CPX010415R9999
		5	420	1100 x 1300	TW507S	2CPX010185R9999	TW507SB	2CPX010416R9999
8	4	1	96	1250 x 300	TW108S	2CPX010186R9999	TW108SB	2CPX010417R9999
		2	192	1250 x 550	TW208S	2CPX010187R9999	TW208SB	2CPX010418R9999
		3	288	1250 x 800	TW308S	2CPX010188R9999	TW308SB	2CPX010419R9999
		4	384	1250 x 1050	TW408S	2CPX010189R9999	TW408SB	2CPX010420R9999
		5	480	1250 x 1300	TW508S	2CPX010190R9999	TW508SB	2CPX010421R9999
9	5	1	108	1400 x 300	TW109S	2CPX010191R9999	TW109SB	2CPX010422R9999
		2	216	1400 x 550	TW209S	2CPX010192R9999	TW209SB	2CPX010423R9999
		3	324	1400 x 800	TW309S	2CPX010193R9999	TW309SB	2CPX010424R9999
		4	432	1400 x 1050	TW409S	2CPX010194R9999	TW409SB	2CPX010425R9999
		5	540	1400 x 1300	TW509S	2CPX010195R9999	TW509SB	2CPX010426R9999

\*<sup>1</sup> When expanding as an installation distributor with meter and distributor fields, combination sets or CombiLine modules

\*<sup>2</sup> External dimensions are without flange embossing.

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## TwinLine N 55 wall cabinets and floor-standing cabinets

Floor-standing cabinets



## TwinLine N 55 wall cabinets and floor-standing cabinets

### Floor-standing cabinets/technical specifications and product features

Specifications for TwinLine-G, -L and -W	
<b>Standards/regulations</b>	DIN EN 61439-1/-2/-3, DIN VDE 0660-600-1/-2/-3*1
<b>Protection class</b>	I, earthed II, insulated
<b>Degree of protection</b>	with IP55 door Without IP30 door, when expanded as an installation distributor with meter and distributor fields, combination sets or CombiLine modules
<b>Mechanical impact strength</b>	IK08 for the cabinet housing with steel-sheet door IK07 in the area of flange knock-outs and for transparent doors
<b>Ambient conditions</b>	Indoor installation Ambient temperature max. + 40 °C Ambient temperature min. - 5 °C Operating temperature max. + 55 °C Storage temperature max. + 55 °C Storage temperature min. - 40 °C
Product features for TwinLine-G, -L and -W	
<b>Housing and doors</b>	Made of sheet steel, color RAL 7035, powder-coated A flange opening is cut out for each field width, knock-outs are on the side and bottom Door opening angle 180 degrees Double door cabinets with field width 4 and over Doors with rod lock Standard closure, double-bit 3 mm
<b>Assembly options*</b>	Prepared for expansion with CombiLine modules on WRmounting frame and mounting plates Prepared for expansion with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame, EDF adapter and middle support rails must be ordered separately as accessories
<b>Forms of delivery</b>	Housing with door Housing without door External mounting lugs are included in the scope of delivery Mounting strips with left and right mounting frame brackets, as well as an additional mounting strip for field width 4 and above cabinets, are included in the scope of delivery Touch protection for the insulated cabinet is included in the scope of delivery Touch protection for the earthed cabinet must be ordered separately as an accessory
<b>Accessories</b>	For housings without doors, the door can be ordered separately, as needed Flanges must be ordered separately Base must be ordered separately Touch protection for the earthed cabinet must be ordered separately EDF adapter must be ordered separately if required* Middle support rails must be ordered separately if required*

\*1 The permissible heating for switchgear combinations (SK) up to 630 A rated current can be verified using the procedure according to 10.10.4.2; for the required values of the power dissipation capacity, please refer to the tables starting on page ; above 630 A rated current, the procedure according to 10.10.4.3 (DIN EN 61439-1 supplementary sheet 2, DIN VDE 0660-600-1 supplementary sheet 2) must be applied

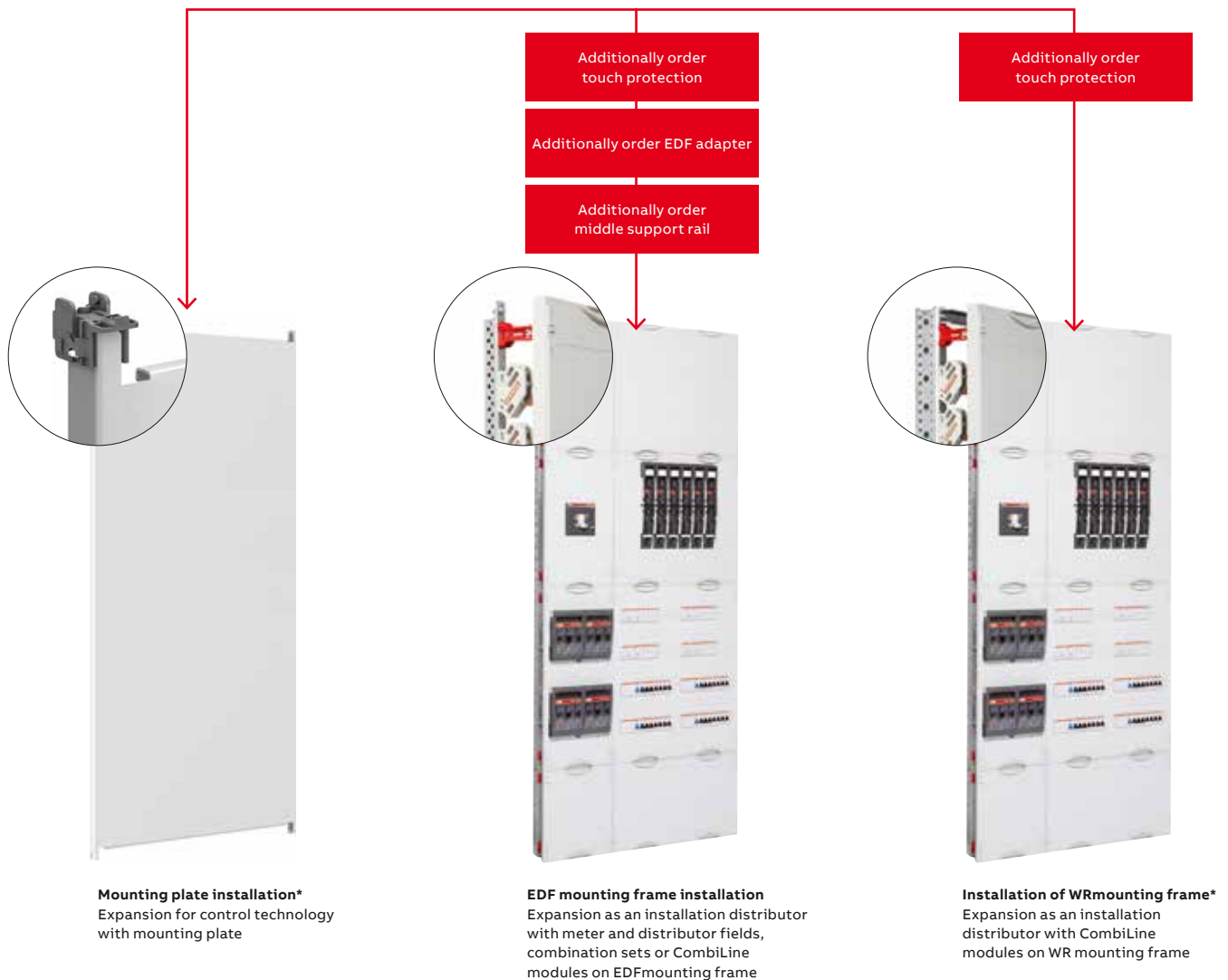
\* For detailed description of the assembly options of floor-standing cabinets see next pages in this chapter.

## TwinLine N 55 wall cabinets and floor-standing cabinets

Floor-standing cabinets/assembly options  $\perp$



TW312G



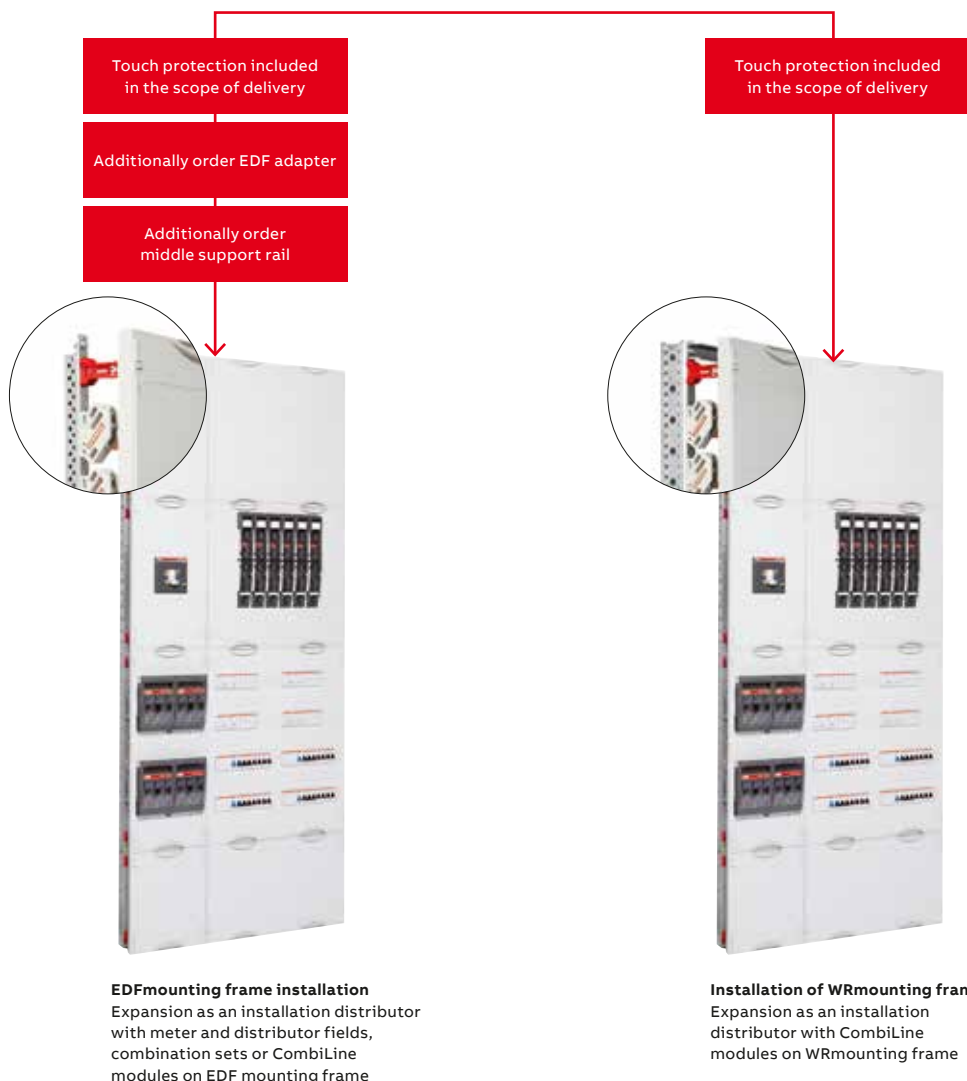
\* The combination of mounting plate and WR mounting frame next to each other is possible.

## TwinLine N 55 wall cabinets and floor-standing cabinets

Floor-standing cabinets/assembly options 



TW312S



## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine -G, -L, W, floor-standing cabinets/cabinet depth 225/275/350 mm  $\perp$



TG312G

### Included in the scope of delivery

- External mounting brackets
- Mounting rails with left and right mounting frame brackets, as well as an additional mounting rail for cabinets with field width 4 and above
- Supports for expansion with CombiLine modules on WR mounting frame and mounting plates

### Order accessories separately

- Flanges
- Base
- Touch protection for expansion with CombiLine modules
- EDF adapters, middle support rails and touch protection for expansion with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame

Height		Width		External dimensions*2		Standing cabinets with door IP55		Standing cabinets without door IP30*1	
RE	BH	FB	PLE	H x W in mm		Type	Order code	Type	Order code
<b>TwinLine-G, cabinet depth 225 mm <math>\perp</math></b>									
12	8	1	144	1850 x 300		TG112G	2CPX010030R9999	TG112GB	2CPX010251R9999
		2	288	1850 x 550		TG212G	2CPX010031R9999	TG212GB	2CPX010252R9999
		3	432	1850 x 800		TG312G	2CPX010032R9999	TG312GB	2CPX010253R9999
		4	576	1850 x 1050		TG412G	2CPX010033R9999	TG412GB	2CPX010254R9999
		5	720	1850 x 1300		TG512G	2CPX010034R9999	TG512GB	2CPX010255R9999
<b>TwinLine-L, cabinet depth 275 mm <math>\perp</math></b>									
12	8	1	144	1850 x 300		TL112G	2CPX010100R9999	TL112GB	2CPX010321R9999
		2	288	1850 x 550		TL212G	2CPX010101R9999	TL212GB	2CPX010322R9999
		3	432	1850 x 800		TL312G	2CPX010102R9999	TL312GB	2CPX010323R9999
		4	576	1850 x 1050		TL412G	2CPX010103R9999	TL412GB	2CPX010324R9999
		5	720	1850 x 1300		TL512G	2CPX010104R9999	TL512GB	2CPX010325R9999
<b>TwinLine-W cabinet depth 350 mm <math>\perp</math></b>									
12	8	1	144	1850 x 300		TW112G	2CPX010165R9999	TW112GB	2CPX010391R9999
		2	288	1850 x 550		TW212G	2CPX010166R9999	TW212GB	2CPX010392R9999
		3	432	1850 x 800		TW312G	2CPX010167R9999	TW312GB	2CPX010393R9999
		4	576	1850 x 1050		TW412G	2CPX010168R9999	TW412GB	2CPX010394R9999
		5	720	1850 x 1300		TW512G	2CPX010169R9999	TW512GB	2CPX010395R9999
		6	864	1850 x 1550		TW612G	2CPX010170R9999	TW612GB	2CPX010396R9999

\*1 When expanding as an installation distributor with meter and distributor fields, combination sets or CombiLine modules

\*2 External dimensions are without flange embossing.

## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine -G, -L, W, floor-standing cabinets/cabinet depth 225/275/350 mm 






TG312S

### Included in the scope of delivery

- External mounting brackets
- Touch protection
- Mounting rails with left and right mounting frame brackets, as well as an additional mounting rail for cabinets with field width 4 and above
- Supports for expansion with CombiLine modules on WRmounting frame

### Order accessories separately

- Flanges
- Base
- EDF adapters and middle support rails for expansion with meter and distributor fields, combination sets or CombiLine modules on EDF mounting frame

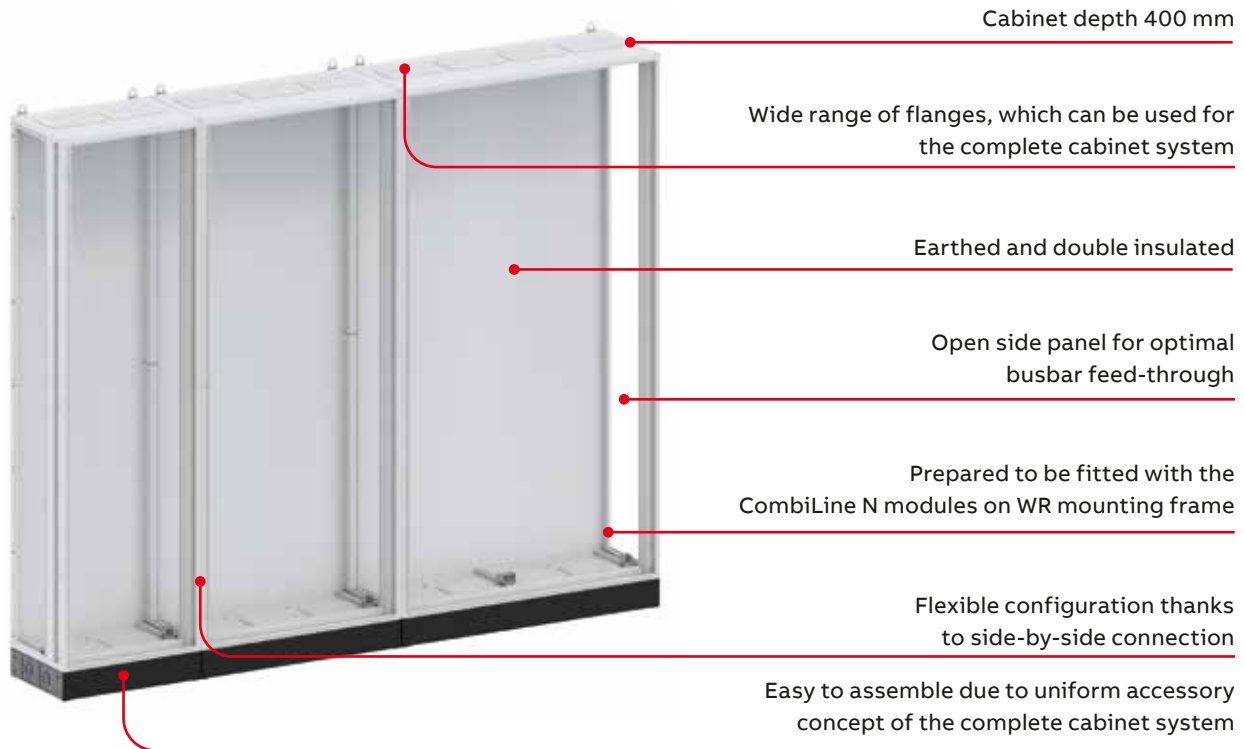
Height		Width		External dimensions* <sup>2</sup>		Standing cabinets with door IP55		Standing cabinets without door IP30* <sup>1</sup>	
RE	BH	FB	PLE	H x W in mm		Type	Order code	Type	Order code
<b>TwinLine-G, cabinet depth 225 mm </b>									
12	8	1	144	1850 x 300		TG112S	2CPX010065R9999	TG112SB	2CPX010286R9999
		2	288	1850 x 550		TG212S	2CPX010066R9999	TG212SB	2CPX010287R9999
		3	432	1850 x 800		TG312S	2CPX010067R9999	TG312SB	2CPX010288R9999
		4	576	1850 x 1050		TG412S	2CPX010068R9999	TG412SB	2CPX010289R9999
		5	720	1850 x 1300		TG512S	2CPX010069R9999	TG512SB	2CPX010290R9999
<b>TwinLine-L, cabinet depth 275 mm </b>									
12	8	1	144	1850 x 300		TL112S	2CPX010135R9999	TL112SB	2CPX010356R9999
		2	288	1850 x 550		TL212S	2CPX010136R9999	TL212SB	2CPX010357R9999
		3	432	1850 x 800		TL312S	2CPX010137R9999	TL312SB	2CPX010358R9999
		4	576	1850 x 1050		TL412S	2CPX010138R9999	TL412SB	2CPX010359R9999
		5	720	1850 x 1300		TL512S	2CPX010139R9999	TL512SB	2CPX010360R9999
<b>TwinLine-W cabinet depth 350 mm </b>									
12	8	1	144	1850 x 300		TW112S	2CPX010196R9999	TW112SB	2CPX010427R9999
		2	288	1850 x 550		TW212S	2CPX010197R9999	TW212SB	2CPX010428R9999
		3	432	1850 x 800		TW312S	2CPX010198R9999	TW312SB	2CPX010429R9999
		4	576	1850 x 1050		TW412S	2CPX010199R9999	TW412SB	2CPX010430R9999
		5	720	1850 x 1300		TW512S	2CPX010200R9999	TW512SB	2CPX010431R9999
		6	864	1850 x 1550		TW612S	2CPX010201R9999	TW612SB	2CPX010432R9999

\*<sup>1</sup> When expanding as an installation distributor with meter and distributor fields, combination sets or CombiLine modules

\*<sup>2</sup> External dimensions are without flange embossing.

## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine-X, Floor standing cabinets, side-by-side assembly





## TwinLine N 55 wall cabinets and floor-standing cabinets

### Floor standing cabinets/technical specifications and product features

<b>TwinLine-X with door, IP55, ⚡</b>	
<b>Standards/regulations</b>	DIN EN 62208, DIN EN 61439-1/-2/-3, DIN VDE 0660-600-1/-2/-3*1
<b>Mechanical impact strength</b>	IK08 for the cabinet enclosure with sheet steel door IK07 in the area of flange knock-outs and for transparent doors
<b>Environmental conditions</b>	Indoor installations Ambient air temperature max. + 40 °C Ambient air temperature min. -5 °C Operating temperature max. + 55 °C Storage temperature max. + 55 °C Storage temperature min. - 5 °C
<b>Enclosure and doors</b>	Sheet steel, colour RAL 7035, powder-coated For each panel width, there is one flange opening at the top and one knockout at the bottom Door opening angle 180 degrees For cabinets with four panel widths double-wing doors Doors with espagnolette closure Standard closure double bit 3 mm
<b>Internal configuration options**</b>	Prepared to be fitted with CombiLine modules to WR mounting frame and mounting plates
<b>Delivery forms</b>	Enclosure with door External mounting brackets included in the scope of delivery The mounting rails with mounting frame holders for right and left and also an additional mounting rail for cabinets with four panel widths are included in the scope of delivery A touch guard for the double insulated cabinet is included in the scope of delivery The touch guard for the earthed cabinet must be ordered separately as accessory
<b>Accessories</b>	Side panels must be ordered separately The connection set must be ordered separately Flanges must be ordered separately Plinths must be ordered separately The touch guard for the earthed cabinet must be ordered separately

\*1 The permissible heating for switchgear assemblies up to a rated current of 630 A can be verified with the procedure according to section 10.10.4.2; for the required values of the power loss capacity, please refer to the table on page 21; above a rated current of 630 A, the procedure in accordance with 10.10.4.3 (DIN EN 61439-1 supplement 2, DIN VDE 0660-600-1 supplement 2) must be applied

\*\*2 For a more detailed description of the installation options for floor-standing cabinets

# TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine-X / assembly options  $\perp$



TX312G



**Fitting of the mounting plate\***  
Construction for control systems  
with mounting plate



**Assembly with WR mounting frame\***  
Internal configuration as  
sub-distribution board  
with CombiLine modules  
on WR mounting frame

Touch guard  
to be ordered separately

\* The combination of the individual construction variants next to each other is possible

## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine-X / assembly options 



TX312S

Touch guard  
included in the scope of delivery



**Assembly with WR mounting frame**  
Internal configuration as sub-distribution board  
with CombiLine modules on WR mounting frame

## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine-X, floor standing cabinet, depth 400mm  $\perp$



TX312G



### Delivery contains

- External mounting brackets
- Mounting rails with mounting frame holder right and left
- For cabinets with 4 panel widths there is an additional mounting fixture for the internal configuration with CombiLine modules on WR mounting frame and mounting plates

### Accessories to be ordered separately

- Side panel
- Touch guard for an internal configuration with CombiLine modules
- Flanges
- Plinths
- Connection set

Height	Width			External dimensions	Floor-standing cabinets with door IP55		
	GU	OH	PW SU		H x W (mm)	Unit	Type
<b>TwinLine-X, cabinet depth 400 mm <math>\perp</math></b>							
12	8	2	288	1850 x 550	1	TX212G	2CPX010974R9999
		3	432	1850 x 800	1	TX312G	2CPX010975R9999
		4	576	1850 x 1050	1	TX412G	2CPX010976R9999

Article	External dimensions H x D (mm)	Pcs	Type	Order code
 Side panel for TwinLine-X,	1850 x 400	2	TZX012G	2CPX010987R9999
 Connection set for side-by-side assembly		1	TZ662	2CPX010989R9999

TX012G

TZ662

## TwinLine N 55 wall cabinets and floor-standing cabinets

TwinLine-X, floor standing cabinet, depth 400mm 



TX312S



### Delivery contains

- External mounting brackets
- Mounting rails with mounting frame holder right and left
- For cabinets with 4 panel widths there is an additional mounting fixture for the internal configuration with CombiLine modules on WR mounting frame
- Touch guard

### Accessories to be ordered separately

- Side panel
- Flanges
- Plinth
- Connection set

Height		Width		External dimensions		Floor-standing cabinets with door IP55		
GU	OH	PW	SU	H x W (mm)		Unit	Type	Order code
<b>TwinLine-X, cabinet depth 400 mm </b>								
12	8	2	288	1850 x 550		1	TX212S	2CPX010977R9999
		3	432	1850 x 800		1	TX312S	2CPX010978R9999
		4	576	1850 x 1050		1	TX412S	2CPX010979R9999

Article		External dimensions H x D (mm)	Pcs	Type	Order code
	Side panel for TwinLine-X	1850 x 400	2	TZX012S	2CPX010988R9999
	Connection set for side-by-side assembly		1	TZ663	2CPX010994R9999

TX012S

TZ663

## TwinLine N accessories

### IP55 flanges



TZ101



TZ110



TZ111



TZ102



TZ103



TZ112



TZ104



TZ105



TZ107



TZ106



RZF10

RZF9

Article	Unit	Type	Order code
<b>Membrane flange</b>			
Material plastic			
With 52 cable sleeves 2 x 6 - 32,5 mm, 2 x 6 - 25 mm, 4 x 6 - 19 mm, 10 x 6 - 15 mm, 2 x 6 - 12 mm, 31 x 6 - 11 mm, 1 x 6 - 7 mm	1	TZ101	2CPX010450R9999
	10	TZ101P10	2CPX010451R9999
	100	TZ101P100	2CPX010826R9999
With 8 membrane entries For cables sections 8 x 13 – 34 mm	1	TZ110	2CPX010850R9999
	10	TZ110P10	2CPX010934R9999
With 12 membrane entries and 1 cable sleeve entry For cable diameter 1 x 14 to 54 mm, 3 x 13 to 34 mm, 3 x 13 to 26,5 mm, 4 x 5 to 21 mm, 1 x 6 to 15 mm	1	TZ111	2CPX010851R9999
	10	TZ111P10	2CPX010935R9999
<b>Flanges for M-screw joints</b>			
Material plastic			
1 x M63/M50, 2 x M32/M20, 5 x M25, 5 x M20	1	TZ102	2CPX010452R9999
	10	TZ102P10	2CPX010453R9999
4 x M20/M25, 18 x M20	1	TZ103	2CPX010454R9999
	10	TZ103P10	2CPX010455R9999
<b>Flanges with cable sleeves</b>			
Material plastic			
With 1 cable sleeve For cable diameter 1 x 14 to 68 mm	1	TZ112	2CPX010852R9999
	10	TZ112P10	2CPX010852R9999
With 2 cable sleeve For cable diameter 2 x 14 to 68 mm	1	TZ104	2CPX010456R9999
	10	TZ104P10	2CPX010932R9999
With 3 cable sleeve For cable diameter 3 x 14 to 54 mm	1	TZ105	2CPX010457R9999
	10	TZ105P10	2CPX010933R9999
<b>Locking flanges</b>			
Material plastic	1	TZ107	2CPX010460R9999
	10	TZ107P10	2CPX010461R9999
Material steel sheet For earthed cabinets	1	TZ106	2CPX010458R9999
	10	TZ106P10	2CPX010459R9999
<b>Cable sleeves</b>			
made of PVC for material thickness 2 - 3 mm			
For cable diameter 14 - 54 mm Hole diameter 68 mm	1	RZF9	2CPX046612R9999
	10	RZF10	2CPX046613R9999
For cable diameter 14 - 68 mm Hole diameter 75 mm	10	RZF10	2CPX046613R9999

## TwinLine N accessories

Base for wall cabinets and standing cabinets



TZW305



TZW310



TZ627P2



TZ323



ZK143

Article	Depth		Width		Unit	Type	Order code
	mm	FB	mm				
<b>Base, height 50 mm, color RAL 9005</b>							
For TwinLine-G and H	225	1	300	1	TZG105	2CPX010571R9999	
	225	2	550	1	TZG205	2CPX010573R9999	
	225	3	800	1	TZG305	2CPX010575R9999	
	225	4	1050	1	TZG405	2CPX010577R9999	
	225	5	1300	1	TZG505	2CPX010579R9999	
For TwinLine-L*	275	1	300	1	TZL105	2CPX010581R9999	
	275	2	550	1	TZL205	2CPX010583R9999	
	275	3	800	1	TZL305	2CPX010585R9999	
	275	4	1050	1	TZL405	2CPX010587R9999	
	275	5	1300	1	TZL505	2CPX010589R9999	
For TwinLine-W*	350	1	300	1	TZW105	2CPX010661R9999	
	350	2	550	1	TZW205	2CPX010663R9999	
	350	3	800	1	TZW305	2CPX010665R9999	
	350	4	1050	1	TZW405	2CPX010667R9999	
	350	5	1300	1	TZW505	2CPX010669R9999	
	350	6	1550	1	TZW605	2CPX010671R9999	
Für TwinLine-X**	400	2	550	1	TZX205	2CPX010981R9999	
	400	3	800	1	TZX305	2CPX010982R9999	
	400	4	1050	1	TZX405	2CPX010983R9999	
<b>Base, height 100 mm, color RAL 9005</b>							
For TwinLine-G and H Side knock-outs 1 x M32/M50 or 80 x 80 mm	225	1	300	1	TZG110	2CPX010572R9999	
	225	2	550	1	TZG210	2CPX010574R9999	
	225	3	800	1	TZG310	2CPX010576R9999	
	225	4	1050	1	TZG410	2CPX010578R9999	
	225	5	1300	1	TZG510	2CPX010580R9999	
For TwinLine-L* Side knock-outs 1 x M32/M50 or 80 x 80 mm	275	1	300	1	TZL110	2CPX010582R9999	
	275	2	550	1	TZL210	2CPX010584R9999	
	275	3	800	1	TZL310	2CPX010586R9999	
	275	4	1050	1	TZL410	2CPX010588R9999	
	275	5	1300	1	TZL510	2CPX010590R9999	
For TwinLine-W* Side knock-outs 2 x M32/M50 or 2 x 80 x 80 mm	350	1	300	1	TZW110	2CPX010662R9999	
	350	2	550	1	TZW210	2CPX010664R9999	
	350	3	800	1	TZW310	2CPX010666R9999	
	350	4	1050	1	TZW410	2CPX010668R9999	
	350	5	1300	1	TZW510	2CPX010670R9999	
	350	6	1550	1	TZW610	2CPX010672R9999	
For TwinLine-X** Side knock-outs 2 x M32/M50 or 2 x 80 x 80 mm	400	2	550	1	TZX210	2CPX010984R9999	
	400	3	800	1	TZX310	2CPX010985R9999	
	400	4	1050	1	TZX410	2CPX010986R9999	
<b>Base mounting lug</b> Optinal to fasten the base to the cabinet from the outside For base height 50 mm and 100 mm				2	TZ627P2	2CPX010853R9999	
<b>Cable clamp rail</b> For base, height 100 mm				1	TZ321	2CPX010473R9999	
				2	TZ322	2CPX010474R9999	
				3	TZ323	2CPX010475R9999	
				4	TZ324	2CPX010476R9999	
				5	TZ325	2CPX010477R9999	
				6	TZ326	2CPX010478R9999	
<b>Bolt clamp</b> For cable clamp rail							
From 22 to 28 mm				1	ZK143	2CPX060005R9999	
From 40 to 46 mm				1	ZK144	2CPX060006R9999	
From 64 to 70 mm				1	ZK145	2CPX060007R9999	

\* For base for field widths of 4 or more, a base stiffener is included in the scope of delivery

\*\* For base for TwinLine-X base stiffener is included in the scope of delivery

## TwinLine N accessories

### Lock replacement parts











Article	Unit	Type	Order code
			
<b>Key plates for actuation pins</b>			
For actuation pin 3 mm (standard)* and 5 mm (similar to RAL 9005)	1	TZ507	2CPX010491R9999
For triangular and rectangular actuator pin, as well as for Daimler-Benz insert	1	TZ508	2CPX010492R9999
TZ507      TZ508			
			
<b>Actuating pins</b>			
Double bit 3 mm*	1	ZH130	2CPX060490R9999
Double bit 5 mm	1	ZH131	2CPX060491R9999
Triangle 7 mm	1	ZH132	2CPX060492R9999
Triangle 8 mm	1	ZH133	2CPX060493R9999
Rectangular 6 mm	1	ZH134	2CPX060494R9999
Rectangular 7 mm	1	ZH135	2CPX060495R9999
Rectangular 8 mm	1	ZH136	2CPX060496R9999
Daimler-Benz	1	ZH137	2CPX060497R9999
ZH130      ZH132 ZH134      ZH137			
			
<b>L-handle</b>			
With key plate, with lock	1	TZ503	2CPX010487R9999
With key plate, without lock	1	TZ504	2CPX010488R9999
TZ503      TZ504			
			
<b>T-handle</b>			
With key plate, with lock	1	TZ505	2CPX010489R9999
With key plate, without lock	1	TZ506	2CPX010490R9999
TZ505      TZ506			
			
<b>Swivel handle</b>			
For profile half cylinder 40 mm (30/10) with sealing cap	1	TZ510	2CPX010494R9999
TZ510			
			
<b>Blendeinsatz</b>			
Instead of a profile half cylinder for swivel handle TZ510	1	ZH142	2CPX060502R9999
ZH142			

\* Replacement part included in the scope of delivery



## TwinLine N accessories

### Lock replacement parts

Article		Unit	Type	Order code
	<b>Universal key</b>	1	ZH91	2CPX066091R9999
	Double bit 3 mm/5 mm Triangular 8 mm, square 6 mm/8 mm			
ZH91	Double bit 3 mm*	1	ZH160	2CPX060660R9999
	Double bit 5 mm	1	ZH161	2CPX060661R9999
	Triangle 7 mm	1	ZH157	2CPX060657R9999
ZH160	Triangle 8 mm	1	ZH158	2CPX060658R9999
	Rectangular 6 mm	1	ZH162	2CPX060662R9999
ZH160	Rectangular 7 mm	1	ZH163	2CPX060663R9999
	Rectangular 8 mm	1	ZH164	2CPX060664R9999
ZH162	Daimler-Benz	1	ZH165	2CPX060665R9999
				
				
	<b>Rod lock</b>			
	4 RE = 600 mm with lock body*	1	TZ204	2CPX010462R9999
	5 RE = 750 mm with lock body*	1	TZ205	2CPX010463R9999
	6 RE = 900 mm with lock body*	1	TZ206	2CPX010464R9999
	7 RE = 1050 mm with lock body*	1	TZ207	2CPX010465R9999
	8 RE = 1200 mm with lock body*	1	TZ208	2CPX010466R9999
	9 RE = 1350 mm with lock body*	1	TZ209	2CPX010467R9999
	12 RE = 1800 mm with lock body*	1	TZ212	2CPX010468R9999
TZ212				
	<b>Rod guide*</b>	1	TZ511	2CPX010495R9999
TZ511				
	<b>Bumper shoe*</b> For rod lock	1	TZ501	2CPX010485R9999
TZ501				
	<b>Rubber seal *</b> For double door	1	TZ502	2CPX010486R9999
TZ502				

\* Replacement part included in the scope of delivery

## TwinLine N accessories

### General accessories



TZ601



TZ604



TZ605



TZ606



TZ631P10



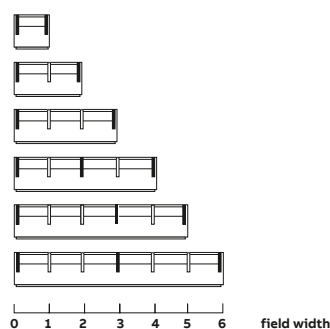
TZ632P10

Article	Unit	Unmounted		Installed in the cabinet*	
		Type	Order code	Type	Order code
<b>Mounting strips<sup>*1</sup></b>					
For mounting frame holder					
For TwinLine-G	1	TZ601	2CPX010779R9999	TZ601A	2CPX010787R9999
	10	TZ601P10	2CPX010814R9999	-	-
	100	TZ601P100	2CPX010815R9999	-	-
For TwinLine-L	1	TZ602	2CPX010780R9999	TZ602A	2CPX010788R9999
	10	TZ602P10	2CPX010816R9999	-	-
	100	TZ602P100	2CPX010817R9999	-	-
For TwinLine-W	1	TZ603	2CPX010781R9999	TZ603A	2CPX010789R9999
	10	TZ603P10	2CPX010818R9999	-	-
	100	TZ603P100	2CPX010819R9999	-	-
For TwinLine-X	1	TZ660	2CPX010991R9999	TZ660A	2CPX010993R9999
	10	TZ660P10	2CPX010992R9999	-	-
<b>Mounting frame holder middle<sup>*1</sup>, incl. mounting bolts</b>					
For expansion with WR and EDF mounting frame or mounting plates side by side	1	TZ604	2CPX010782R9999	TZ604A	2CPX010790R9999
	10	TZ604P10	2CPX010820R9999	-	-
	100	TZ604P100	2CPX010821R9999	-	-
<b>Mounting frame holder<sup>*1</sup> left or right, incl. mounting bolts</b>					
For expansion with WR and EDF mounting frame or mounting plates or middle support rails	1	TZ605	2CPX010783R9999	TZ605A	2CPX010791R9999
	10	TZ605P10	2CPX010822R9999	-	-
	100	TZ605P100	2CPX010823R9999	-	-
<b>EDF adapter<sup>*1</sup></b>					
For mounting frame holder For expansion with EDF mounting frame	1	TZ606	2CPX010784R9999	TZ606A	2CPX010792R9999
	10	TZ606P10	2CPX010824R9999	-	-
	100	TZ606P100	2CPX010825R9999	-	-
<b>Mounting bolt<sup>*2</sup></b>					
For TZ604 mounting frame holder in the middle	10	TZ631P10	2CPX010930R9999	-	-
	10	TZ632P10	2CPX010931R9999	-	-
<b>Mounting bolt<sup>*2</sup></b>					
For TZ605 mounting frame holder right or left	10	TZ631P10	2CPX010930R9999	-	-
	10	TZ632P10	2CPX010931R9999	-	-

\* Only in conjunction with the factory-installed meter and distributor fields, combination kits or CombiLine modules

<sup>\*1</sup> Additionally required depending on the expansion; see below for details

<sup>\*2</sup> Included in the scope of delivery



Position of the mounting strips with mounting frame holder  
Top view

#### Factory-installed

Mounting strips with left and right mounting frame brackets, as well as an additional mounting strip for cabinets with field width 4 and above

#### Can be retrofitted

Depending on the expansion, additional mounting strips, mounting frame holder and EDF adapter are required

## TwinLine N accessories

### General accessories



TZ313



TZ433



ZW125P4



TZ615P4



TZ609



TZ608



TZ607



TZ630P10

Article	Unit	Unmounted		Installed in the cabinet*	
		Type	Order code	Type	Order code
<b>Cable clamp rails</b>					
For mounting in the cabinet For TwinLine-L and TwinLine-W					
Field width 1 = 250 mm	1	TZ311	2CPX010469R9999	TZ311A	2CPX010808R9999
Field width 2 = 500 mm	1	TZ312	2CPX010470R9999	TZ312A	2CPX010809R9999
Field width 3 = 750 mm	1	TZ313	2CPX010471R9999	TZ313A	2CPX010810R9999
Field width 4 = 1000 mm	1	TZ314	2CPX010472R9999	TZ314A	2CPX010811R9999
Field width 5 = 1250 mm	1	TZ315	2CPX010785R9999	TZ315A	2CPX010812R9999
Field width 6 = 1500 mm	1	TZ316	2CPX010786R9999	TZ316A	2CPX010813R9999
<b>Middle support rails</b>					
For mounting in the cabinet, mounting brackets are included in the scope of delivery 2 mounting strips are additionally needed (TZ601, TZ602 or TZ603, depending on the cabinet depth).					
Field width 1 = 250 mm	1	TZ431	2CPX010960R9999	TZ431A	2CPX010966R9999
Field width 2 = 500 mm	1	TZ432	2CPX010961R9999	TZ432A	2CPX010967R9999
Field width 3 = 750 mm	1	TZ433	2CPX010962R9999	TZ433A	2CPX010968R9999
Field width 4 = 1000 mm	1	TZ434	2CPX010963R9999	TZ434A	2CPX010969R9999
Field width 5 = 1250 mm	1	TZ435	2CPX010964R9999	TZ435A	2CPX010970R9999
Field width 6 = 1500 mm	1	TZ436	2CPX010965R9999	TZ436A	2CPX010971R9999

\* Only in conjunction with the factory-installed meter and distributor fields, combination kits or CombiLine modules

Article	Unit	Type	Order code
<b>External mounting lugs*</b> To mount the cabinet on the wall	4	ZW125P4	2CPX062461R9999
<b>Transport eye bolts</b>	4	TZ615P4	2CPX010510R9999
<b>IP55 protective frame for cabinet stacking</b>			
Required for insulated cabinets	1	TZ609	2CPX010504R9999
Required for earthed cabinets	1	TZ626	2CPX010778R9999
<b>IP55 Connection set for cabinet stacking</b> For wall cabinets side by side or on top of each other order 1 x TZ608 For standing cabinets order 2 x TZ608	1	TZ608	2CPX010503R9999
<b>Door hinge 180 degrees*</b> Color RAL 9005	1	TZ607	2CPX010502R9999
<b>Pin for door hinge 180 degrees*</b>	10	TZ630P10	2CPX010929R9999

\* Included in the scope of delivery

## TwinLine N accessories

### General accessories



ZL8



TZB004



TZ617P10



TZ628P10



TZ664P10



ZA6



ZA5



ZA123



TZ650

Article	Unit	Type	Order code
<b>Door earthing set</b> 10 mm <sup>2</sup>	1	ZL8	2CPX038001R9999
<b>Door stiffening profile</b> For cabinet height 4 and 5 RE	1	TZB004	2CPX010856R9999
<b>Sealing plugs/connection plugs*1</b>	10	TZ617P10	2CPX010512R9999
<b>Blind plug*</b> For hinge break	10	TZ628P10	2CPX010854R9999
<b>Cover cap*</b> For screws of the side panels or the cabinet connection TX	10	TZ664P10	2CPX010995R9999
<b>DIN A4 plan pocket</b> Self-adhesive with transparent sleeve and reinforced back	1	ZA6	2CPX038227R9999
	10	ZA6P10	2CPX062380R9999
Self-adhesive with transparent sleeve	10	ZA61P10	2CPX062375R9999
<b>DIN A4 plan pocket</b> Self-adhesive	1	ZA13	2CPX038233R9999
	10	ZA13P10	2CPX062381R9999
<b>DIN A5 plan pocket</b> Self-adhesive	1	ZA5	2CPX038228R9999
	10	ZA5P10	2CPX062382R9999
<b>Plan pocket holder</b> For ZA13 plan pocket to be screwed to the door reinforcing elements	1	ZA123	2CPX038471R9999
For ZA5 plan pocket to be screwed to the door reinforcing elements	1	ZA125	2CPX038472R9999
<b>LED control cabinet light</b>		TZ650	2CPX010972R9999

\* Included in the scope of delivery

## TwinLine N accessories

### Accessories meter applications



TZ614



TZ610



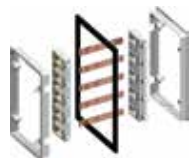
TZ616



TZ634



TZ618



TZ620

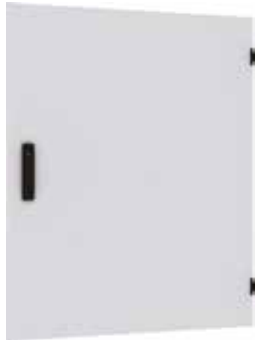
Article	Unit	Unmounted		Installed in the cabinet*	
		Type	Order code	Type	Order code
<b>Cover strip*<sup>1</sup></b> For meter field installation to cover the mounting points of the middle support rail in the insulated standing cabinet					
For TwinLine-G	1	TZ612	2CPX010507R9999	TZ612A	2CPX010796R9999
For TwinLine-L	1	TZ613	2CPX010508R9999	TZ613A	2CPX010797R9999
For TwinLine-W	1	TZ614	2CPX010509R9999	TZ614A	2CPX010798R9999
<b>Inner cladding*<sup>1</sup></b> For meter fields, depth = 225 - 350 mm Additional profile for meter fields with 150 mm connection compartment at the top, in the insulated cabinet	1	TZ610	2CPX010505R9999	TZ610A	2CPX010795R9999
<b>Mounting set</b> For installation of meter fields in standing cabinets per field width (250 mm) additionally order 1 x TZ616	1	TZ616	2CPX010511R9999	TZ616A	2CPX010799R9999
<b>Mounting set</b> For installation of meter fields (DF... und BF..., 1V30A2B, 1V50A2B) in floor standing cabinets, per panel width order 1 x TZ634	1	TZ634	2CPX011000R9999	TZ634A	2CPX010999R9999
<b>Touch protection for earthed cabinets</b>					
For single-level meter fields	1	TZ618	2CPX010673R9999	TZ618A	2CPX010800R9999
For dual-level meter fields	1	TZ619	2CPX010674R9999	TZ619A	2CPX010801R9999
<b>Cabinet-cabinet connector</b>					
5-pole for Cu 12 x 5 mm	1	TZ620	2CPX010793R9999	-	-
5-pole for Cu 2 x 12 x 5 mm	1	TZ621	2CPX010794R9999	-	-

> For further information on feed-in housings, see chapter on meter cabinets

\* Only in conjunction with the factory-installed meter and distributor fields, combination kits or CombiLine modules

## TwinLine N accessories

Steel-sheet doors with door hinges 180 degrees



TZB306

Height		Width		Remark	Type	Order code
RE	BH	FB				
4	0	1			TZB104	2CPX010528R9999
		2			TZB204	2CPX010535R9999
		3			TZB304	2CPX010542R9999
		4*	Left door	TZB204L	2CPX010549R9999	
			Right door	TZB204R	2CPX010550R9999	
		5*	Left door	TZB304L	2CPX010563R9999	
			Right door	TZB204R	2CPX010550R9999	
5	1	1			TZB105	2CPX010529R9999
		2			TZB205	2CPX010536R9999
		3			TZB305	2CPX010543R9999
		4*	Left door	TZB205L	2CPX010551R9999	
			Right door	TZB205R	2CPX010552R9999	
		5*	Left door	TZB305L	2CPX010564R9999	
			Right door	TZB205R	2CPX010552R9999	
6	2	1			TZB106	2CPX010530R9999
		2			TZB206	2CPX010537R9999
		3			TZB306	2CPX010544R9999
		4*	Left door	TZB206L	2CPX010553R9999	
			Right door	TZB206R	2CPX010554R9999	
		5*	Left door	TZB306L	2CPX010565R9999	
			Right door	TZB206R	2CPX010554R9999	
7	3	1			TZB107	2CPX010531R9999
		2			TZB207	2CPX010538R9999
		3			TZB307	2CPX010545R9999
		4*	Left door	TZB207L	2CPX010555R9999	
			Right door	TZB207R	2CPX010556R9999	
		5*	Left door	TZB307L	2CPX010566R9999	
			Right door	TZB207R	2CPX010556R9999	
8	4	1			TZB108	2CPX010532R9999
		2			TZB208	2CPX010539R9999
		3			TZB308	2CPX010546R9999
		4*	Left door	TZB208L	2CPX010557R9999	
			Right door	TZB208R	2CPX010558R9999	
		5*	Left door	TZB308L	2CPX010567R9999	
			Right door	TZB208R	2CPX010558R9999	
9	5	1			TZB109	2CPX010533R9999
		2			TZB209	2CPX010540R9999
		3			TZB309	2CPX010547R9999
		4*	Left door	TZB209L	2CPX010559R9999	
			Right door	TZB209R	2CPX010560R9999	
		5*	Left door	TZB309L	2CPX010568R9999	
			Right door	TZB209R	2CPX010560R9999	
12	8	1			TZB112	2CPX010534R9999
		2			TZB212	2CPX010541R9999
		3			TZB312	2CPX010548R9999
		4*	Left door	TZB212L	2CPX010561R9999	
			Right door	TZB212R	2CPX010562R9999	
		5*	Left door	TZB312L	2CPX010569R9999	
			Right door	TZB212R	2CPX010562R9999	
		6*	Left door	TZB312L	2CPX010569R9999	
Right door	TZB312R		2CPX010570R9999			

\*Double doors field width 4 and over

## TwinLine N accessories

Doors with viewing glass and door hinges 180 degrees



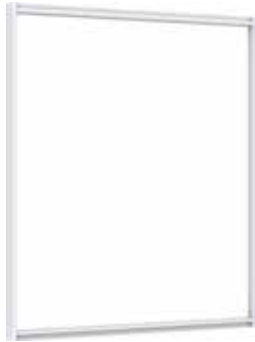
TZT206

Height		Width		Remark*1	Type	Order code
RE	BH	FB				
4	0	2			TZT204	2CPX010860R9999
		3			TZT304	2CPX010867R9999
		4*	Left door	TZT204L	2CPX010874R9999	
		Right door	TZT204R	2CPX010875R9999		
		5*	Left door	TZT304L	2CPX010888R9999	
		Right door	TZT204R	2CPX010875R9999		
5	1	2			TZT205	2CPX010861R9999
		3			TZT305	2CPX010868R9999
		4*	Left door	TZT205L	2CPX010876R9999	
		Right door	TZT205R	2CPX010877R9999		
		5*	Left door	TZT305L	2CPX010889R9999	
		Right door	TZT205R	2CPX010877R9999		
6	2	2			TZT206	2CPX010862R9999
		3			TZT306	2CPX010869R9999
		4*	Left door	TZT206L	2CPX010878R9999	
		Right door	TZT206R	2CPX010879R9999		
		5*	Left door	TZT306L	2CPX010890R9999	
		Right door	TZT206R	2CPX010879R9999		
7	3	2			TZT207	2CPX010863R9999
		3			TZT307	2CPX010870R9999
		4*	Left door	TZT207L	2CPX010880R9999	
		Right door	TZT207R	2CPX010881R9999		
		5*	Left door	TZT307L	2CPX010891R9999	
		Right door	TZT207R	2CPX010881R9999		
8	4	2			TZT208	2CPX010864R9999
		3			TZT308	2CPX010871R9999
		4*	Left door	TZT208L	2CPX010882R9999	
		Right door	TZT208R	2CPX010883R9999		
		5*	Left door	TZT308L	2CPX010892R9999	
		Right door	TZT208R	2CPX010883R9999		
9	5	2			TZT209	2CPX010865R9999
		3			TZT309	2CPX010872R9999
		4*	Left door	TZT209L	2CPX010884R9999	
		Right door	TZT209R	2CPX010885R9999		
		5*	Left door	TZT309L	2CPX010893R9999	
		Right door	TZT209R	2CPX010885R9999		
12	8	2			TZT212	2CPX010866R9999
		3			TZT312	2CPX010873R9999
		4*	Left door	TZT212L	2CPX010886R9999	
		Right door	TZT212R	2CPX010887R9999		
		5*	Left door	TZT312L	2CPX010894R9999	
		Right door	TZT212R	2CPX010887R9999		
		6*	Left door	TZT312L	2CPX010894R9999	
		Right door	TZT312R	2CPX010895R9999		

\*Double doors field width 4 and over

## TwinLine N accessories

### Touch protection



TZP306

Height		Width	Touch protection not mounted		Touch protection Installed in the cabinet*		
RE	BH		FB	Type	Order code	Type	Order code
4	0	1	1	TZP104	2CPX010625R9999	TZP104A	2CPX010708R9999
			2	TZP204	2CPX010632R9999	TZP204A	2CPX010715R9999
			3	TZP304	2CPX010639R9999	TZP304A	2CPX010722R9999
			4	TZP404	2CPX010646R9999	TZP404A	2CPX010729R9999
			5	TZP504	2CPX010653R9999	TZP504A	2CPX010736R9999
5	1	1	1	TZP105	2CPX010626R9999	TZP105A	2CPX010709R9999
			2	TZP205	2CPX010633R9999	TZP205A	2CPX010716R9999
			3	TZP305	2CPX010640R9999	TZP305A	2CPX010723R9999
			4	TZP405	2CPX010647R9999	TZP405A	2CPX010730R9999
			5	TZP505	2CPX010654R9999	TZP505A	2CPX010737R9999
6	2	1	1	TZP106	2CPX010627R9999	TZP106A	2CPX010710R9999
			2	TZP206	2CPX010634R9999	TZP206A	2CPX010717R9999
			3	TZP306	2CPX010641R9999	TZP306A	2CPX010724R9999
			4	TZP406	2CPX010648R9999	TZP406A	2CPX010731R9999
			5	TZP506	2CPX010655R9999	TZP506A	2CPX010738R9999
7	3	1	1	TZP107	2CPX010628R9999	TZP107A	2CPX010711R9999
			2	TZP207	2CPX010635R9999	TZP207A	2CPX010718R9999
			3	TZP307	2CPX010642R9999	TZP307A	2CPX010725R9999
			4	TZP407	2CPX010649R9999	TZP407A	2CPX010732R9999
			5	TZP507	2CPX010656R9999	TZP507A	2CPX010739R9999
8	4	1	1	TZP108	2CPX010629R9999	TZP108A	2CPX010712R9999
			2	TZP208	2CPX010636R9999	TZP208A	2CPX010719R9999
			3	TZP308	2CPX010643R9999	TZP308A	2CPX010726R9999
			4	TZP408	2CPX010650R9999	TZP408A	2CPX010733R9999
			5	TZP508	2CPX010657R9999	TZP508A	2CPX010740R9999
9	5	1	1	TZP109	2CPX010630R9999	TZP109A	2CPX010713R9999
			2	TZP209	2CPX010637R9999	TZP209A	2CPX010720R9999
			3	TZP309	2CPX010644R9999	TZP309A	2CPX010727R9999
			4	TZP409	2CPX010651R9999	TZP409A	2CPX010734R9999
			5	TZP509	2CPX010658R9999	TZP509A	2CPX010741R9999
12	8	1	1	TZP112	2CPX010631R9999	TZP112A	2CPX010714R9999
			2	TZP212	2CPX010638R9999	TZP212A	2CPX010721R9999
			3	TZP312	2CPX010645R9999	TZP312A	2CPX010728R9999
			4	TZP412	2CPX010652R9999	TZP412A	2CPX010735R9999
			5	TZP512	2CPX010659R9999	TZP512A	2CPX010742R9999
			6	TZP612	2CPX010660R9999	TZP612A	2CPX010743R9999

\* Only in conjunction with the factory-installed meter and distributor fields, combination kits or CombiLine modules  
 > The touch protection in the insulated cabinet is included in the scope of delivery



## TwinLine N accessories

Mounting plates, sheet steel 2 mm, galvanized



TZM306

Height		Width	Mounting plate not mounted		Mounting plate mounted in the cabinet*1	
RE	BH	FB	Type	Order code	Type	Order code
4	0	1	TZM104	2CPX010591R9999	TZM104A	2CPX010744R9999
		2	TZM204	2CPX010598R9999	TZM204A	2CPX010750R9999
		3	TZM304	2CPX010605R9999	TZM304A	2CPX010756R9999
		4	TZM404	2CPX010612R9999	TZM404A	2CPX010762R9999
		5	TZM504	2CPX010619R9999	TZM504A	2CPX010768R9999
5	1	1	TZM105	2CPX010592R9999	TZM105A	2CPX010745R9999
		2	TZM205	2CPX010599R9999	TZM205A	2CPX010751R9999
		3	TZM305	2CPX010606R9999	TZM305A	2CPX010757R9999
		4	TZM405	2CPX010613R9999	TZM405A	2CPX010763R9999
		5	TZM505	2CPX010620R9999	TZM505A	2CPX010769R9999
6	2	1	TZM106	2CPX010593R9999	TZM106A	2CPX010746R9999
		2	TZM206	2CPX010600R9999	TZM206A	2CPX010752R9999
		3	TZM306	2CPX010607R9999	TZM306A	2CPX010758R9999
		4	TZM406	2CPX010614R9999	TZM406A	2CPX010764R9999
		5	TZM506	2CPX010621R9999	TZM506A	2CPX010770R9999
7	3	1	TZM107	2CPX010594R9999	TZM107A	2CPX010747R9999
		2	TZM207	2CPX010601R9999	TZM207A	2CPX010753R9999
		3	TZM307	2CPX010608R9999	TZM307A	2CPX010759R9999
		4	TZM407	2CPX010615R9999	TZM407A	2CPX010765R9999
		5	TZM507	2CPX010622R9999	TZM507A	2CPX010771R9999
8	4	1	TZM108	2CPX010595R9999	TZM108A	2CPX010748R9999
		2	TZM208	2CPX010602R9999	TZM208A	2CPX010754R9999
		3	TZM308	2CPX010609R9999	TZM308A	2CPX010760R9999
		4	TZM408	2CPX010616R9999	TZM408A	2CPX010766R9999
		5	TZM508	2CPX010623R9999	TZM508A	2CPX010772R9999
9	5	1	TZM109	2CPX010596R9999	TZM109A	2CPX010749R9999
		2	TZM209	2CPX010603R9999	TZM209A	2CPX010755R9999
		3	TZM309	2CPX010610R9999	TZM309A	2CPX010761R9999
		4	TZM409	2CPX010617R9999	TZM409A	2CPX010767R9999
		5	TZM509	2CPX010624R9999	TZM509A	2CPX010773R9999
12	8	1	TZM112	2CPX010940R9999	TZM112A	2CPX010944R9999
		2	TZM212	2CPX010941R9999	TZM212A	2CPX010945R9999
		3	TZM312	2CPX010942R9999	TZM312A	2CPX010946R9999
		4	TZM412	2CPX010943R9999	TZM412A	2CPX010947R9999
		5*	TZM212	2CPX010941R9999	TZM212A	2CPX010945R9999
			TZM312	2CPX010942R9999	TZM312A	2CPX010946R9999
		6*	TZM312	2CPX010942R9999	TZM312A	2CPX010946R9999
	TZM312	2CPX010942R9999	TZM312A	2CPX010946R9999		

\* In a cabinet with field width 5 and above, two separate mounting plates

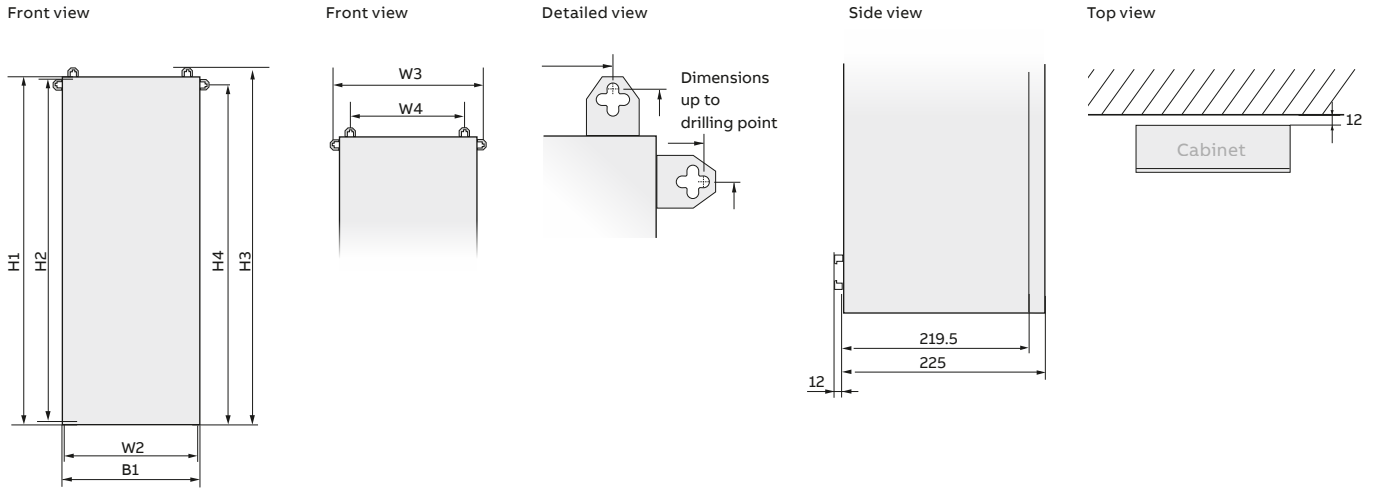
\*1 Mounting plate installed at the factory, only in conjunction with empty cabinet



# Wall and floor-standing cabinets TwinLine N

Dimensions, weights, power dissipation

TwinLine-H, cabinet depth 225mm,  $\perp$   $\square$



Height		Width		$\perp$ / $\square$ External dimensions in mm		$\perp$ / $\square$ Internal dimensions in mm		$\perp$ / $\square$ Wall mounting dimensions in mm			
RE	BH	FB	Type	H1	B1	H2	W2	H3	W3	H4	W4
<b>TwinLine H standing cabinets</b>											
12	8	1	TH112	1850	300	1802	252	1872	328	1796	192
		2	TH212	1850	550	1802	502	1872	578	1796	442
		3	TH312	1850	800	1802	752	1872	828	1796	692
		4	TH412	1850	1050	1802	1002	1872	1078	1796	942
		5	TH512	1850	1300	1802	1252	1872	1328	1796	1192

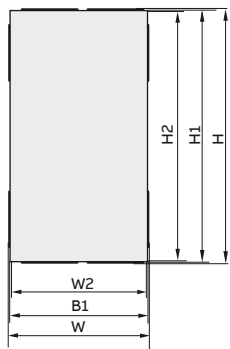
Height		Width		$\perp$ / $\square$ Power dissipation in watts* at overtemperature $\Delta t$ 20K	$\perp$ Cabinet weight With door in kg	$\square$ Cabinet weight With door in kg	$\perp$ / $\square$ Max. installation weight in kg
RE	BH	FB	Type				
<b>TwinLine H standing cabinets</b>							
12	8	1	TH112	64.00	25.65	27.33	45
		2	TH212	113.00	39.44	41.77	90
		3	TH312	162.60	50.88	53.86	135
		4	TH412	202.10	64.70	69.72	180
		5	TH512	230.80	75.82	80.21	225

\* General remarks on the determination of the power dissipation: Values in accordance with DIN EN 61439-1 section 10.10.4.2.2; ambient temperature 35 °C, internal temperature 55 °C, it must be guaranteed that the permissible operating medium temperature is not exceeded; height of the installation location  $\leq$  2000 m above sea level; shape of inner divider = 1; side walls not covered

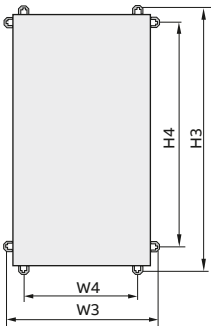
## Wall and floor-standing cabinets TwinLine N

Dimensions TwinLine-G, cabinet depth 225 mm,  $\perp$   $\square$

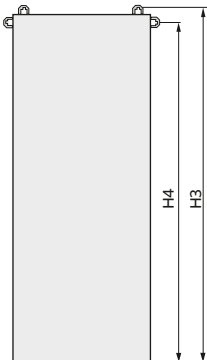
Front view  
Wall cabinet and standing cabinet  
External dimensions/  
internal dimensions



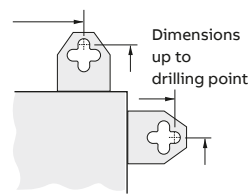
Front view  
Wall cabinet  
Dimensions wall mounting



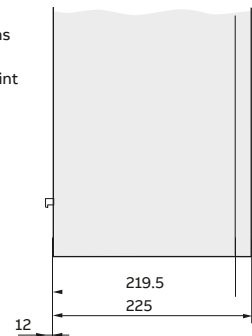
Front view  
Standalone cabinet  
Dimensions wall mounting



Front view  
External mounting  
Detail



Side view  
With/without door

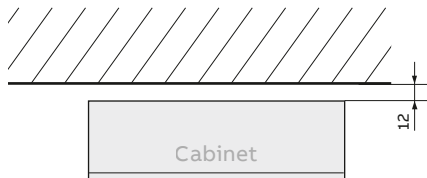


				External dimensions									
Height		Width		External dimensions		Internal dimensions		with flange knock-out		Dimensions wall mounting			
RE	BH	FB	Type	H1	B1	H2	W2	H	W	H3	W3	H4	W4
<b>Twin Line-G cabinets</b> $\perp$ $\square$													
4	0	1	TG104	650	300	602	252	654	304	693.5	328	542	192
		2	TG204	650	550	602	502	654	554	693.5	578	542	442
		3	TG304	650	800	602	752	654	804	693.5	828	542	692
		4	TG404	650	1050	602	1002	654	1054	693.5	1078	542	942
		5	TG504	650	1300	602	1252	654	1304	693.5	1328	542	1192
5	1	1	TG105	800	300	752	252	804	304	843.5	328	692	192
		2	TG205	800	550	752	502	804	554	843.5	578	692	442
		3	TG305	800	800	752	752	804	804	843.5	828	692	692
		4	TG405	800	1050	752	1002	804	1054	843.5	1078	692	942
		5	TG505	800	1300	752	1252	804	1304	843.5	1328	692	1192
6	2	1	TG106	950	300	902	252	954	304	993.5	328	842	192
		2	TG206	950	550	902	502	954	554	993.5	578	842	442
		3	TG306	950	800	902	752	954	804	993.5	828	842	692
		4	TG406	950	1050	902	1002	954	1054	993.5	1078	842	942
		5	TG506	950	1300	902	1252	954	1304	993.5	1328	842	1192
7	3	1	TG107	1100	300	1052	252	1104	304	1143.5	328	992	192
		2	TG207	1100	550	1052	502	1104	554	1143.5	578	992	442
		3	TG307	1100	800	1052	752	1104	804	1143.5	828	992	692
		4	TG407	1100	1050	1052	1002	1104	1054	1143.5	1078	992	942
		5	TG507	1100	1300	1052	1252	1104	1304	1143.5	1328	992	1192
8	4	1	TG108	1250	300	1202	252	1254	304	1293.5	328	1142	192
		2	TG208	1250	550	1202	502	1254	554	1293.5	578	1142	442
		3	TG308	1250	800	1202	752	1254	804	1293.5	828	1142	692
		4	TG408	1250	1050	1202	1002	1254	1054	1293.5	1078	1142	942
		5	TG508	1250	1300	1202	1252	1254	1304	1293.5	1328	1142	1192
9	5	1	TG109	1400	300	1352	252	1404	304	1443.5	328	1292	192
		2	TG209	1400	550	1352	502	1404	554	1443.5	578	1292	442
		3	TG309	1400	800	1352	752	1404	804	1443.5	828	1292	692
		4	TG409	1400	1050	1352	1002	1404	1054	1443.5	1078	1292	942
		5	TG509	1400	1300	1352	1252	1404	1304	1443.5	1328	1292	1192
<b>Twin Line-G standing cabinets</b> $\perp$ $\square$													
12	8	1	TG112	1850	300	1802	252	1854	304	1872	328	1796	192
		2	TG212	1850	550	1802	502	1854	554	1872	578	1796	442
		3	TG312	1850	800	1802	752	1854	804	1872	828	1796	692
		4	TG412	1850	1050	1802	1002	1854	1054	1872	1078	1796	942
		5	TG512	1850	1300	1802	1252	1854	1304	1872	1328	1796	1192

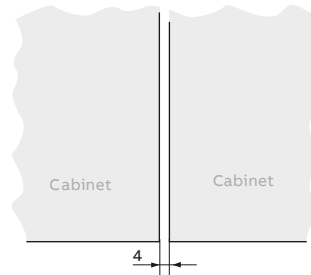
## Wall and floor-standing cabinets TwinLine N

Weights power loss TwinLine-G, cabinet depth 225 mm,  $\perp$   $\square$

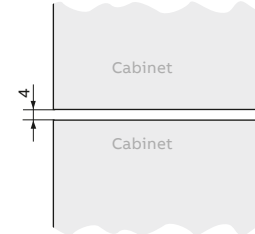
Type of installation  
Cabinet on the wall



Type of installation  
Cabinet combination  
side by side



Type of installation  
Cabinet combination  
one on top of the other



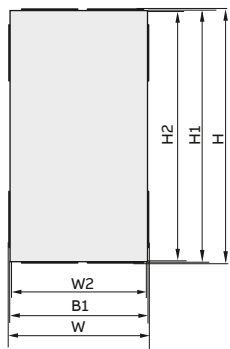
Height		Width		$\perp$ / $\square$ Power dissipation in watts* at overtemperature $\Delta t$ 20K	$\perp$ Cabinet weight in kg		$\square$ Cabinet weight in kg		Max. installation weight in kg
RE	BH	FB	Type		With door	Without door	With door	Without door	
<b>Twin Line-G cabinets <math>\perp</math> <math>\square</math></b>									
4	0	1	TG104	35.80	11.40	7.43	12.89	8.92	15.00
		2	TG204	57.00	16.17	9.95	17.80	11.59	30.00
		3	TG304	61.00	21.02	12.47	22.80	14.25	45.00
		4	TG404	82.30	28.03	15.54	29.95	17.46	60.00
		5	TG504	107.80	32.86	18.07	34.92	20.13	75.00
5	1	1	TG105	42.30	13.17	8.40	14.86	10.10	20.50
		2	TG205	66.10	18.72	11.22	20.60	13.11	41.00
		3	TG305	71.00	24.29	14.03	26.37	16.11	61.50
		4	TG405	99.00	32.45	17.40	34.71	19.67	82.50
		5	TG505	131.20	38.03	20.22	40.49	22.68	103.00
6	2	1	TG106	48.80	14.89	9.37	16.78	11.26	26.00
		2	TG206	52.60	21.23	12.43	23.36	14.61	52.50
		3	TG306	80.90	27.55	15.59	29.92	17.37	78.50
		4	TG406	115.10	36.84	19.25	39.46	21.86	105.00
		5	TG506	153.70	43.18	22.36	46.03	25.09	131.00
7	3	1	TG107	55.40	17.14	10.72	19.23	12.81	31.50
		2	TG207	61.40	24.36	14.25	26.74	16.64	63.50
		3	TG307	93.50	31.56	17.79	34.23	20.46	95.50
		4	TG407	133.70	42.23	21.87	45.19	24.83	127.50
		5	TG507	174.30	49.44	25.41	52.69	28.66	159.00
8	4	1	TG108	61.80	18.90	11.68	21.20	13.98	37.50
		2	TG208	69.30	26.87	15.51	29.50	18.15	75.00
		3	TG308	102.90	34.82	19.34	37.80	22.31	112.50
		4	TG408	150.30	46.64	23.72	50.01	27.10	150.00
		5	TG508	193.30	54.59	27.55	58.31	31.27	187.50
9	5	1	TG109	68.20	20.66	12.65	23.15	15.14	43.00
		2	TG209	79.10	29.38	16.77	32.23	19.65	86.00
		3	TG309	119.30	38.08	20.89	41.35	24.16	129.00
		4	TG409	157.50	51.04	25.57	54.77	29.31	172.50
		5	TG509	208.80	59.74	29.69	63.87	33.82	215.50
<b>TwinLine-G standing cabinets <math>\perp</math> <math>\square</math></b>									
12	8	1	TG112	64.00	26.17	15.78	28.89	18.50	60.00
		2	TG212	113.00	40.22	23.81	43.73	27.31	120.00
		3	TG312	162.60	51.87	29.54	56.17	33.84	180.00
		4	TG412	202.10	69.40	36.27	74.59	41.46	240.00
		5	TG512	230.80	80.19	41.11	86.17	47.09	300.00

\* General remarks on the determination of the power dissipation: Values in accordance with DIN EN 61439-1 section 10.10.4.2.2; ambient temperature 35 °C, internal temperature 55 °C, it must be guaranteed that the permissible operating medium temperature is not exceeded; height of the installation location  $\leq$  2000 m above sea level; shape of inner divider = 1; side walls not covered

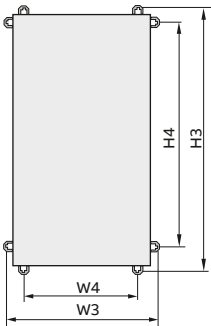
## Wall and floor-standing cabinets TwinLine N

Dimensions TwinLine-L, cabinet depth 275 mm,  $\perp \square$

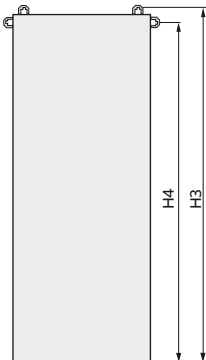
Front view  
Wall cabinet and standing cabinet  
External dimensions/  
internal dimensions



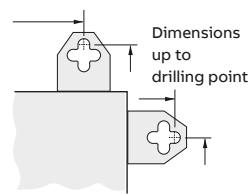
Front view  
Wall cabinet  
Dimensions wall mounting



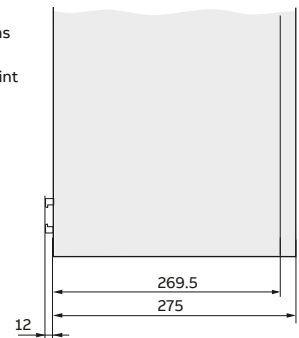
Front view  
Standalone cabinet  
Dimensions wall mounting



Front view  
External mounting  
Detail



Side view  
With/without door

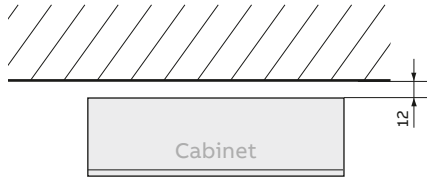


Height		Width		External dimensions		Internal dimensions		External dimensions with flange knock-out		Dimensions wall mounting			
RE	BH	FB	Type	H1	B1	H2	W2	H	W	H3	W3	H4	W4
<b>TwinLine-L wall cabinets</b> $\perp \square$													
4	0	1	TL104	650	300	602	252	654	304	693.5	328	542	192
		2	TL204	650	550	602	502	654	554	693.5	578	542	442
		3	TL304	650	800	602	752	654	804	693.5	828	542	692
		4	TL404	650	1050	602	1002	654	1054	693.5	1078	542	942
		5	TL504	650	1300	602	1252	654	1304	693.5	1328	542	1192
5	1	1	TL105	800	300	752	252	804	304	843.5	328	692	192
		2	TL205	800	550	752	502	804	554	843.5	578	692	442
		3	TL305	800	800	752	752	804	804	843.5	828	692	692
		4	TL405	800	1050	752	1002	804	1054	843.5	1078	692	942
		5	TL505	800	1300	752	1252	804	1304	843.5	1328	692	1192
6	2	1	TL106	950	300	902	252	954	304	993.5	328	842	192
		2	TL206	950	550	902	502	954	554	993.5	578	842	442
		3	TL306	950	800	902	752	954	804	993.5	828	842	692
		4	TL406	950	1050	902	1002	954	1054	993.5	1078	842	942
		5	TL506	950	1300	902	1252	954	1304	993.5	1328	842	1192
7	3	1	TL107	1100	300	1052	252	1104	304	1143.5	328	992	192
		2	TL207	1100	550	1052	502	1104	554	1143.5	578	992	442
		3	TL307	1100	800	1052	752	1104	804	1143.5	828	992	692
		4	TL407	1100	1050	1052	1002	1104	1054	1143.5	1078	992	942
		5	TL507	1100	1300	1052	1252	1104	1304	1143.5	1328	992	1192
8	4	1	TL108	1250	300	1202	252	1254	304	1293.5	328	1142	192
		2	TL208	1250	550	1202	502	1254	554	1293.5	578	1142	442
		3	TL308	1250	800	1202	752	1254	804	1293.5	828	1142	692
		4	TL408	1250	1050	1202	1002	1254	1054	1293.5	1078	1142	942
		5	TL508	1250	1300	1202	1252	1254	1304	1293.5	1328	1142	1192
9	5	1	TL109	1400	300	1352	252	1404	304	1443.5	328	1292	192
		2	TL209	1400	550	1352	502	1404	554	1443.5	578	1292	442
		3	TL309	1400	800	1352	752	1404	804	1443.5	828	1292	692
		4	TL409	1400	1050	1352	1002	1404	1054	1443.5	1078	1292	942
		5	TL509	1400	1300	1352	1252	1404	1304	1443.5	1328	1292	1192
<b>TwinLine-L standing cabinets</b> $\perp \square$													
12	8	1	TL112	1850	300	1802	252	1854	304	1872	328	1796	192
		2	TL212	1850	550	1802	502	1854	554	1872	578	1796	442
		3	TL312	1850	800	1802	752	1854	804	1872	828	1796	692
		4	TL412	1850	1050	1802	1002	1854	1054	1872	1078	1796	942
		5	TL512	1850	1300	1802	1252	1854	1304	1872	1328	1796	1192

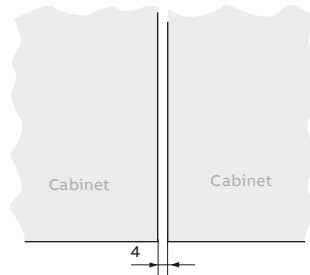
## Wall and floor-standing cabinets TwinLine N

Weights and power dissipation TwinLine-L, cabinet depth 275 mm,  $\perp$   $\square$

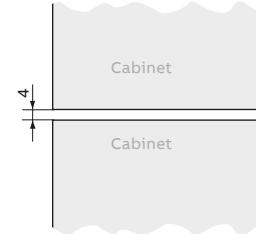
Type of installation  
Cabinet on the wall



Type of installation  
Cabinet combination  
side by side



Type of installation  
Cabinet combination  
one on top of the other

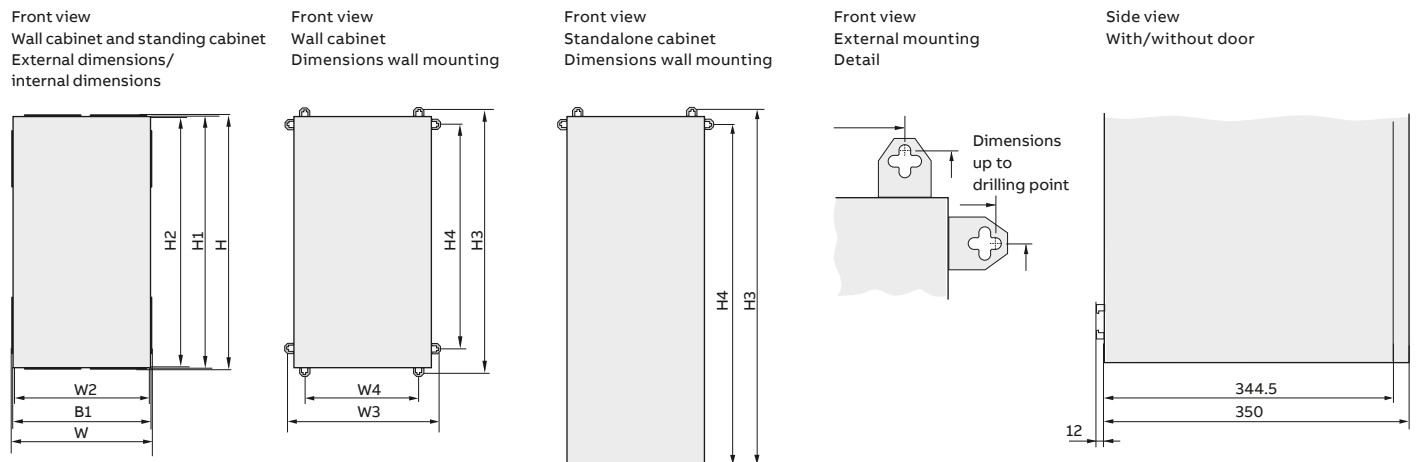


Height RE	Width		Type	$\perp$ / $\square$ Power dissipation in watts* at overtemperature $\Delta t$ 20K	$\perp$ Cabinet weight in kg		$\square$ Cabinet weight in kg		Max. installation weight in kg
	BH	FB			With door	Without door	With door	Without door	
<b>TwinLine-L wall cabinets</b> $\perp$ $\square$									
4	0	1	TL104	38.80	12.25	8.28	13.80	9.83	15.00
		2	TL204	60.80	17.23	10.97	18.94	12.72	30.00
		3	TL304	67.10	22.30	13.75	24.16	15.61	45.00
		4	TL404	89.70	29.54	17.06	31.54	19.08	60.00
		5	TL504	116.80	34.59	19.79	36.76	21.97	75.00
5	1	1	TL105	45.80	14.13	9.37	15.89	11.13	20.50
		2	TL205	70.20	19.90	12.40	21.86	14.36	41.00
		3	TL305	78.00	25.68	15.43	27.86	17.60	61.50
		4	TL405	108.90	34.08	19.03	36.45	21.38	82.50
		5	TL505	145.10	39.87	22.06	42.46	24.64	103.00
6	2	1	TL106	52.80	15.97	10.45	17.94	12.35	26.00
		2	TL206	59.90	22.53	13.78	24.75	16.00	52.50
		3	TL306	89.80	29.06	17.10	31.54	19.58	78.50
		4	TL406	128.10	38.59	21.00	41.32	23.73	105.00
		5	TL506	168.00	45.14	24.32	48.09	27.28	131.00
7	3	1	TL107	59.80	18.34	11.89	20.51	14.09	31.50
		2	TL207	65.20	25.77	15.67	28.25	18.15	63.50
		3	TL307	102.80	33.19	19.41	35.97	22.20	95.50
		4	TL407	145.70	44.10	23.74	47.19	27.14	127.50
		5	TL507	189.20	51.51	27.48	54.91	30.88	159.00
8	4	1	TL108	66.70	20.22	13.00	22.61	15.39	37.50
		2	TL208	74.40	28.40	17.04	31.14	19.78	75.00
		3	TL308	117.80	36.57	21.09	39.66	24.18	112.50
		4	TL408	163.70	48.62	25.70	52.14	29.22	150.00
		5	TL508	207.70	56.79	29.75	60.65	33.61	187.50
9	5	1	TL109	52.20	22.39	14.09	24.69	16.68	43.00
		2	TL209	86.00	31.03	18.42	34.03	21.42	86.00
		3	TL309	126.00	39.95	22.76	43.35	26.16	129.00
		4	TL409	179.10	53.14	27.68	57.02	31.55	172.50
		5	TL509	222.10	62.05	32.01	66.34	36.29	215.50
<b>TwinLine-L standing cabinets</b> $\perp$ $\square$									
12	8	1	TL112	69.60	27.96	17.57	30.84	20.45	60.00
		2	TL212	120.90	42.23	25.81	45.91	29.49	120.00
		3	TL312	171.90	54.09	31.76	58.58	36.24	180.00
		4	TL412	207.00	71.86	38.72	77.25	44.12	240.00
		5	TL512	250.30	83.46	44.37	89.66	50.57	300.00

\* General remarks on the determination of the power dissipation: Values in accordance with DIN EN 61439-1 section 10.10.4.2.2; ambient temperature 35 °C, internal temperature 55 °C, it must be guaranteed that the permissible operating medium temperature is not exceeded; height of the installation location  $\leq$  2000 m above sea level; shape of inner divider = 1; side walls not covered

## Wall and floor-standing cabinets TwinLine N

Dimensions TwinLine-W, cabinet depth 350 mm,  $\frac{\perp}{\square}$



Height		Width		External dimensions		Internal dimensions		External dimensions with flange knock-out		Dimensions wall mounting			
RE	BH	FB	Type	H1	B1	H2	W2	H	W	H3	W3	H4	W4
<b>TwinLine-W wall cabinets <math>\frac{\perp}{\square}</math></b>													
4	0	1	TW104	650	300	602	252	654	304	693.5	328	542	192
		2	TW204	650	550	602	502	654	554	693.5	578	542	442
		3	TW304	650	800	602	752	654	804	693.5	828	542	692
		4	TW404	650	1050	602	1002	654	1054	693.5	1078	542	942
		5	TW504	650	1300	602	1252	654	1304	693.5	1328	542	1192
5	1	1	TW105	800	300	752	252	804	304	843.5	328	692	192
		2	TW205	800	550	752	502	804	554	843.5	578	692	442
		3	TW305	800	800	752	752	804	804	843.5	828	692	692
		4	TW405	800	1050	752	1002	804	1054	843.5	1078	692	942
		5	TW505	800	1300	752	1252	804	1304	843.5	1328	692	1192
6	2	1	TW106	950	300	902	252	954	304	993.5	328	842	192
		2	TW206	950	550	902	502	954	554	993.5	578	842	442
		3	TW306	950	800	902	752	954	804	993.5	828	842	692
		4	TW406	950	1050	902	1002	954	1054	993.5	1078	842	942
		5	TW506	950	1300	902	1252	954	1304	993.5	1328	842	1192
7	3	1	TW107	1100	300	1052	252	1104	304	1143.5	328	992	192
		2	TW207	1100	550	1052	502	1104	554	1143.5	578	992	442
		3	TW307	1100	800	1052	752	1104	804	1143.5	828	992	692
		4	TW407	1100	1050	1052	1002	1104	1054	1143.5	1078	992	942
		5	TW507	1100	1300	1052	1252	1104	1304	1143.5	1328	992	1192
8	4	1	TW108	1250	300	1202	252	1254	304	1293.5	328	1142	192
		2	TW208	1250	550	1202	502	1254	554	1293.5	578	1142	442
		3	TW308	1250	800	1202	752	1254	804	1293.5	828	1142	692
		4	TW408	1250	1050	1202	1002	1254	1054	1293.5	1078	1142	942
		5	TW508	1250	1300	1202	1252	1254	1304	1293.5	1328	1142	1192
9	5	1	TW109	1400	300	1352	252	1404	304	1443.5	328	1292	192
		2	TW209	1400	550	1352	502	1404	554	1443.5	578	1292	442
		3	TW309	1400	800	1352	752	1404	804	1443.5	828	1292	692
		4	TW409	1400	1050	1352	1002	1404	1054	1443.5	1078	1292	942
		5	TW509	1400	1300	1352	1252	1404	1304	1443.5	1328	1292	1192
<b>TwinLine-W standing cabinets <math>\frac{\perp}{\square}</math></b>													
12	8	1	TW112	1850	300	1802	252	1854	304	1872	328	1796	192
		2	TW212	1850	550	1802	502	1854	554	1872	578	1796	442
		3	TW312	1850	800	1802	752	1854	804	1872	828	1796	692
		4	TW412	1850	1050	1802	1002	1854	1054	1872	1078	1796	942
		5	TW512	1850	1300	1802	1252	1854	1304	1872	1328	1796	1192
		6	TW612	1850	1550	1802	1502	1854	1554	1872	1578	1796	1442

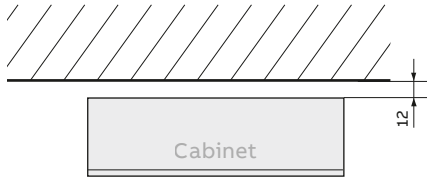
> Dimensions in mm



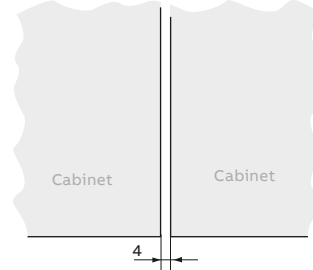
## Wall and floor-standing cabinets TwinLine N

Weights and power dissipation TwinLine-W, cabinet depth 350 mm,  $\perp$   $\square$

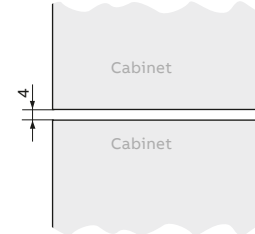
Type of installation  
Cabinet on the wall



Type of installation  
Cabinet combination  
side by side



Type of installation  
Cabinet combination  
one on top of the other



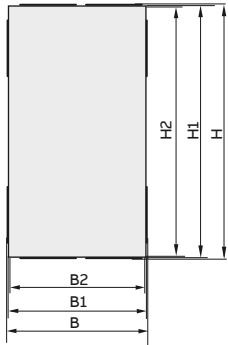
Height RE	Width		Type	$\perp$ / $\square$ Power dissipation in watts* at overtemperature $\Delta t$ 20K	$\perp$ Cabinet weight in kg		$\square$ Cabinet weight in kg		Max. installation weight in kg
	BH	FB			With door	Without door	With door	Without door	
<b>TwinLine-W wall cabinets</b> $\perp$ $\square$									
4	0	1	TW104	43.00	13.50	9.47	15.13	11.16	15.00
		2	TW204	65.90	18.79	12.58	20.60	14.38	30.00
		3	TW304	75.90	24.17	15.62	26.16	17.61	45.00
		4	TW404	100.10	31.76	19.27	33.92	21.44	60.00
		5	TW504	129.30	37.12	22.32	39.46	24.66	75.00
5	1	1	TW105	50.50	15.56	10.80	17.41	12.65	20.50
		2	TW205	59.80	21.64	14.14	23.72	16.21	41.00
		3	TW305	87.70	27.74	17.48	30.04	19.78	61.50
		4	TW405	121.30	36.47	21.42	39.00	23.95	82.50
		5	TW505	158.90	42.58	24.77	45.33	27.52	103.00
6	2	1	TW106	58.20	17.58	12.06	19.65	14.13	26.00
		2	TW206	68.20	24.44	15.69	26.79	18.04	52.50
		3	TW306	102.80	31.29	19.33	33.91	21.95	78.50
		4	TW406	144.80	41.16	23.57	44.06	26.46	105.00
		5	TW506	185.80	48.02	27.20	51.19	30.07	131.00
7	3	1	TW107	65.80	20.12	13.70	22.41	15.99	31.50
		2	TW207	75.70	27.87	17.76	30.48	20.38	63.50
		3	TW307	116.50	35.59	21.82	38.53	24.76	95.50
		4	TW407	163.60	46.84	26.48	50.11	29.75	127.50
		5	TW507	209.30	54.58	30.55	58.16	34.13	159.00
8	4	1	TW108	52.00	22.18	14.96	24.81	17.48	37.50
		2	TW208	82.70	30.67	19.32	33.56	22.20	75.00
		3	TW308	132.60	39.15	23.67	42.42	26.93	112.50
		4	TW408	180.80	51.55	28.63	55.25	32.33	150.00
		5	TW508	227.50	60.03	32.98	64.10	37.06	187.50
9	5	1	TW109	58.60	24.23	16.22	26.96	18.95	43.00
		2	TW209	93.90	33.48	20.87	36.63	24.03	86.00
		3	TW309	146.40	42.71	25.52	46.29	29.10	129.00
		4	TW409	197.10	56.24	30.77	60.32	34.85	172.50
		5	TW509	238.20	65.47	35.42	69.97	39.93	215.50
<b>TwinLine-W standing cabinets</b> $\perp$ $\square$									
12	8	1	TW112	78.90	30.62	20.24	33.72	23.33	60.00
		2	TW212	131.70	45.10	28.69	49.02	32.60	120.00
		3	TW312	181.50	57.38	35.05	62.12	39.79	180.00
		4	TW412	226.00	75.29	42.15	80.95	47.82	240.00
		5	TW512	269.40	87.20	48.12	93.70	54.61	300.00
		6	TW612	354.50	99.02	53.98	106.34	61.30	360.00

\* General remarks on the determination of the power dissipation: Values in accordance with DIN EN 61439-1 section 10.10.4.2.2; ambient temperature 35 °C, internal temperature 55 °C, it must be guaranteed that the permissible operating medium temperature is not exceeded; height of the installation location  $\leq$  2000 m above sea level; shape of inner divider = 1; side walls not covered

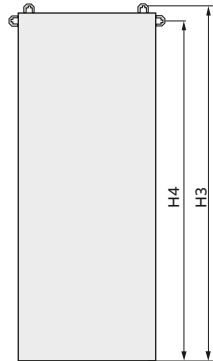
## Wall and floor-standing cabinets TwinLine N

Dimensions TwinLine-X, cabinet depth 400 mm,  $\perp$   $\square$

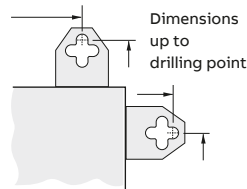
Top view  
standing cabinet  
External dimensions/  
internal dimensions



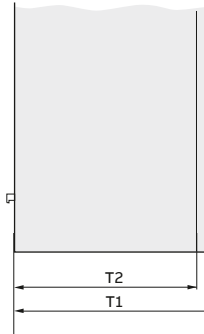
Front view  
Standalone cabinet  
Dimensions wall mounting



Front view  
External mounting  
Detail



Side view  
With/without door



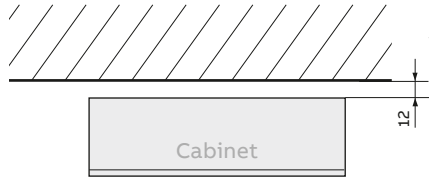
Height		Width		Type	External dimensions		Internal dimensions		External dimensions*		Dimensions wall mounting		Depth	
GU	OH	PW	H1		B1	H2	B2	H	B	H3	H4	T1	T2	
<b>TwinLine-X floor-standing cabinets <math>\perp</math> <math>\square</math></b>														
12	8	2	TX212	1850	550	1802	502	1854	564	1872	1796	400	394.5	
		3	TX312	1850	800	1802	752	1854	814	1872	1796	400	394.5	
		4	TX412	1850	1050	1802	1002	1854	1064	1872	1796	400	394.5	

\* incl. flange knockouts and side walls

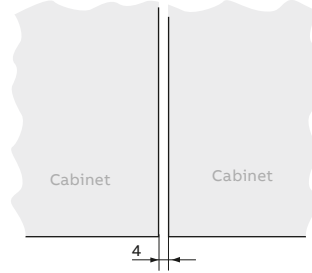
## Wall and floor-standing cabinets TwinLine N

Weights and power dissipation TwinLine-X, cabinet depth 400 mm,  $\perp$   $\square$

Type of installation  
Cabinet on the wall



Type of installation  
Cabinet combination  
side by side

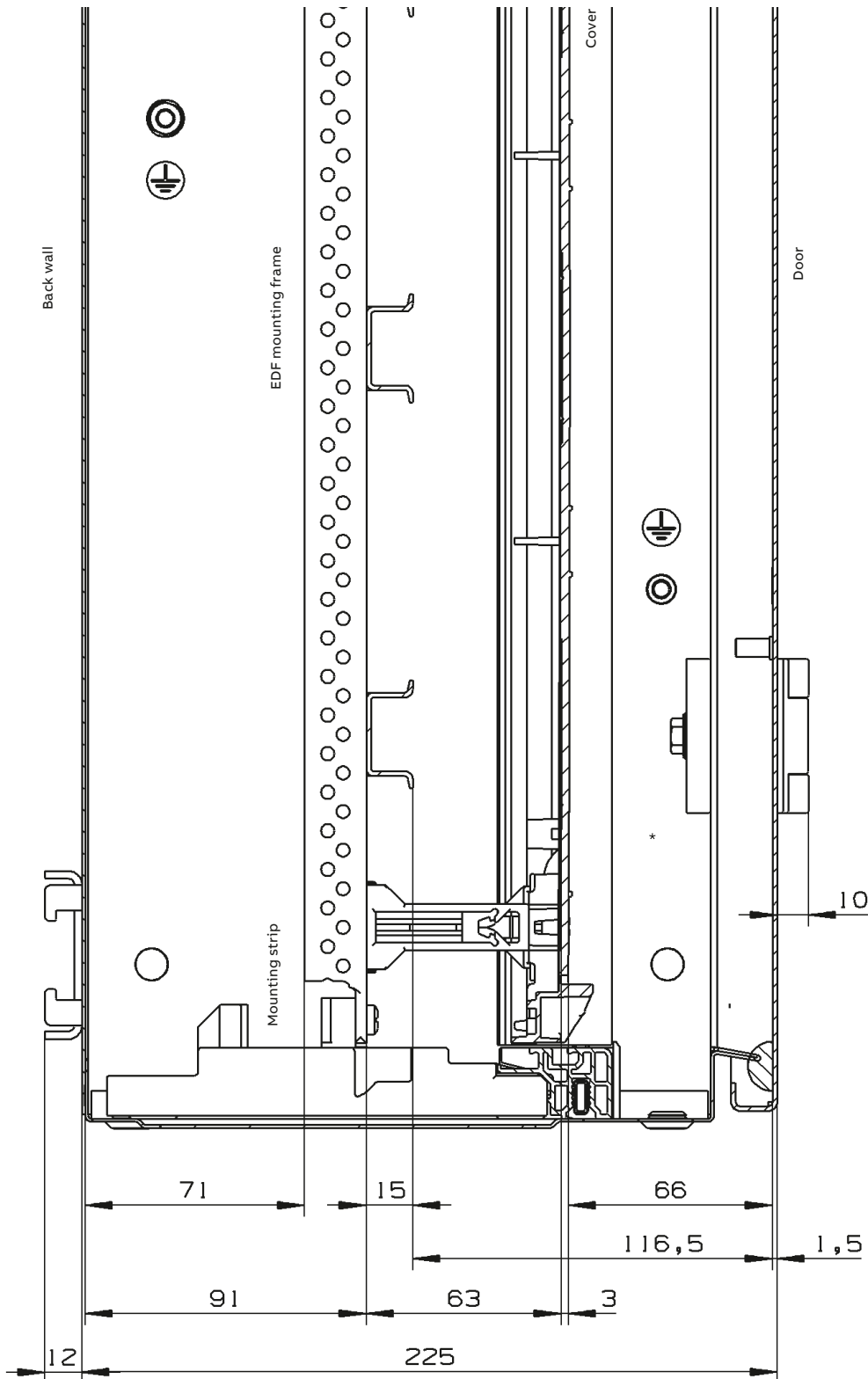


Height		Width		Power dissipation in watts* at overtemperature $\Delta t$ 20K	Cabinet weight in kg		max. installation weight in kg
GU	OH	PW	Type		With door $\perp$	With door $\square$	
<b>TwinLine-X floor-standing cabinets <math>\perp</math> <math>\square</math></b>							
12	8	2	TX212	144.3	46.8	49.5	120.0
		3	TX312	192.1	55.2	59.5	180.0
		4	TX412	241.0	71.7	77.4	240.0

\* General notes on determining the power loss: Ambient temperature 35 °C, internal temperature 55 °C, it must be ensured that the permissible equipment temperature is not exceeded; altitude of the installation site  $\leq$  2000 m above sea level; internal form of separation = 1; side panels not covered.

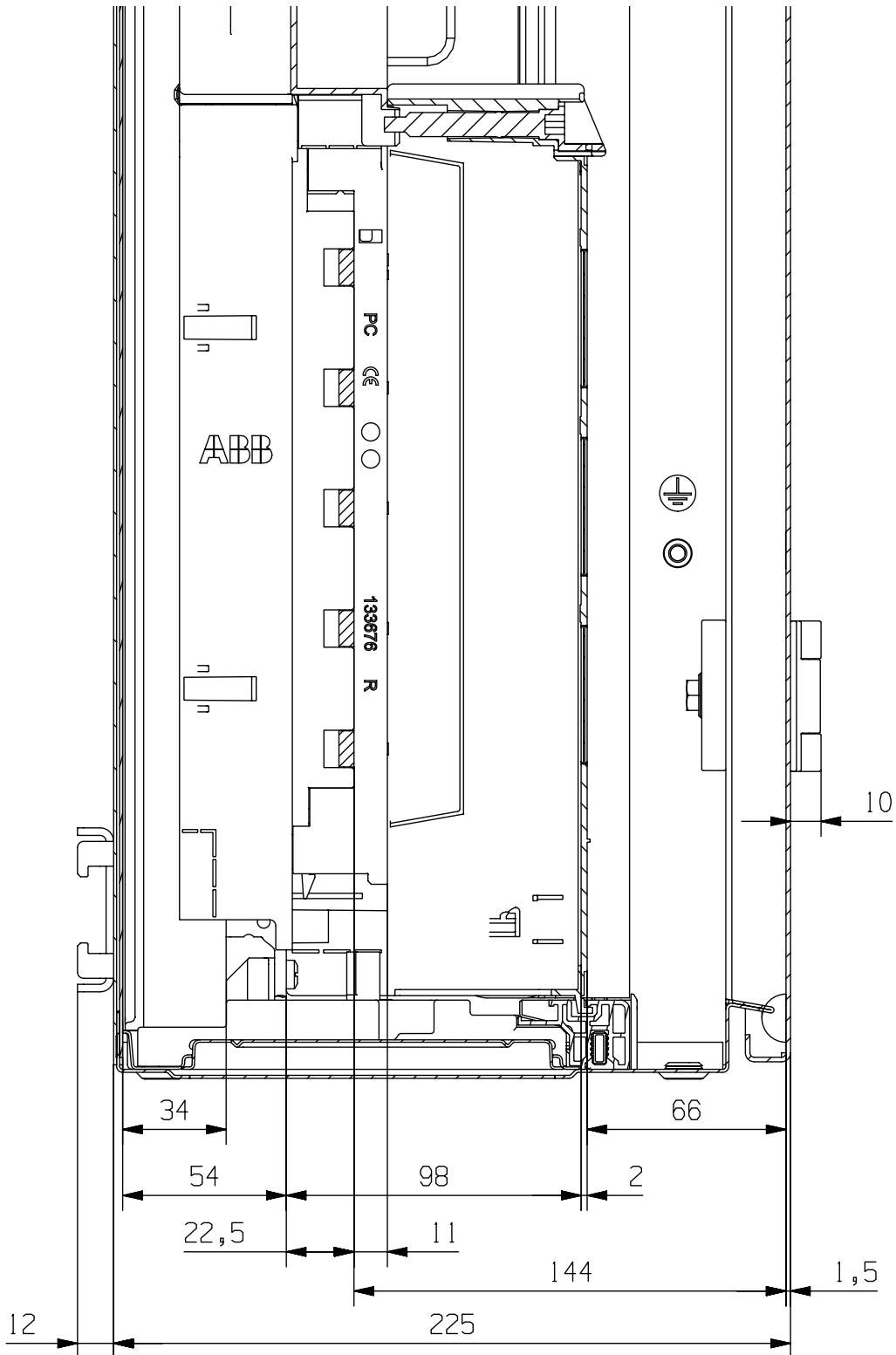
## Wall and floor-standing cabinets TwinLine N

Installation of CombiLine N modules on EDF mounting frame in TwinLine-H



## Wall and floor-standing cabinets TwinLine N

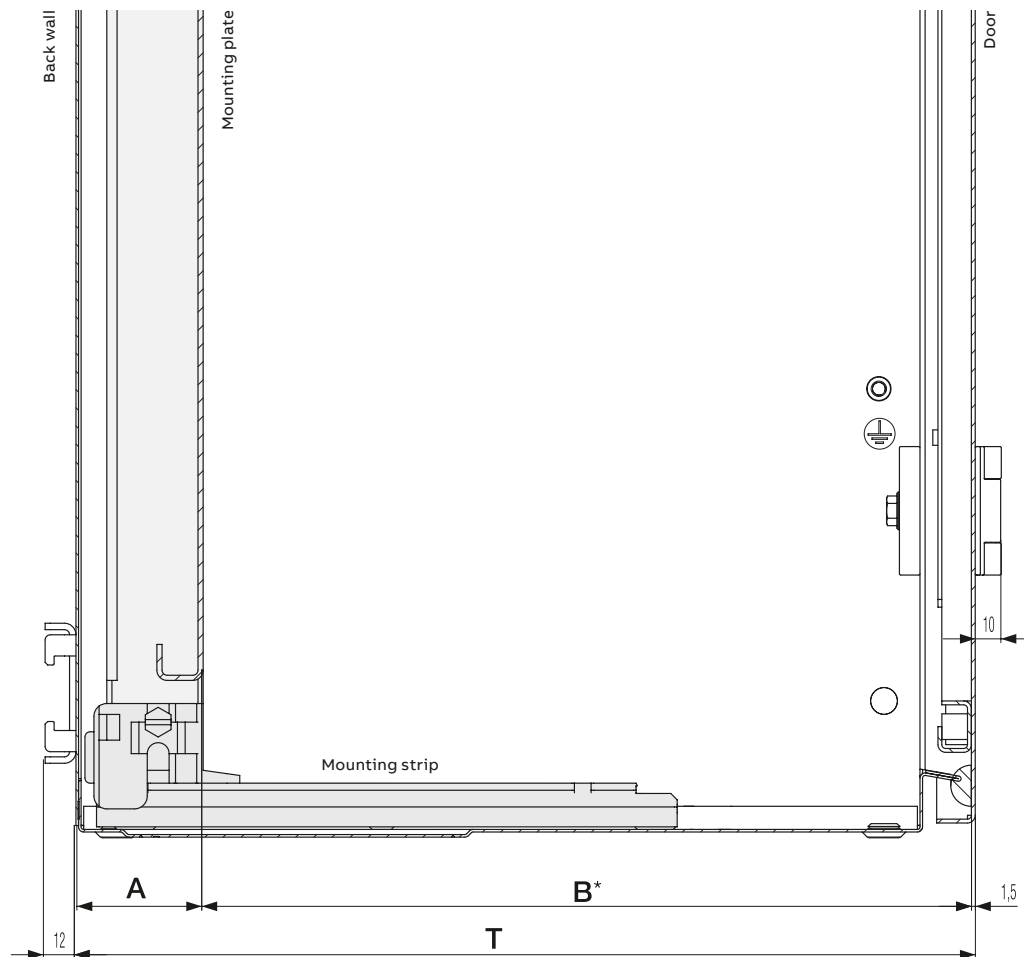
Installation with meter field for TwinLine-H



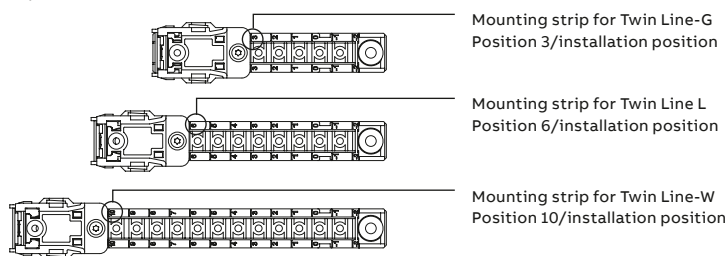
> Dimensions in mm

# Wall and floor-standing cabinets TwinLine N

## Installation using mounting plate



Mounting strip  
Top view

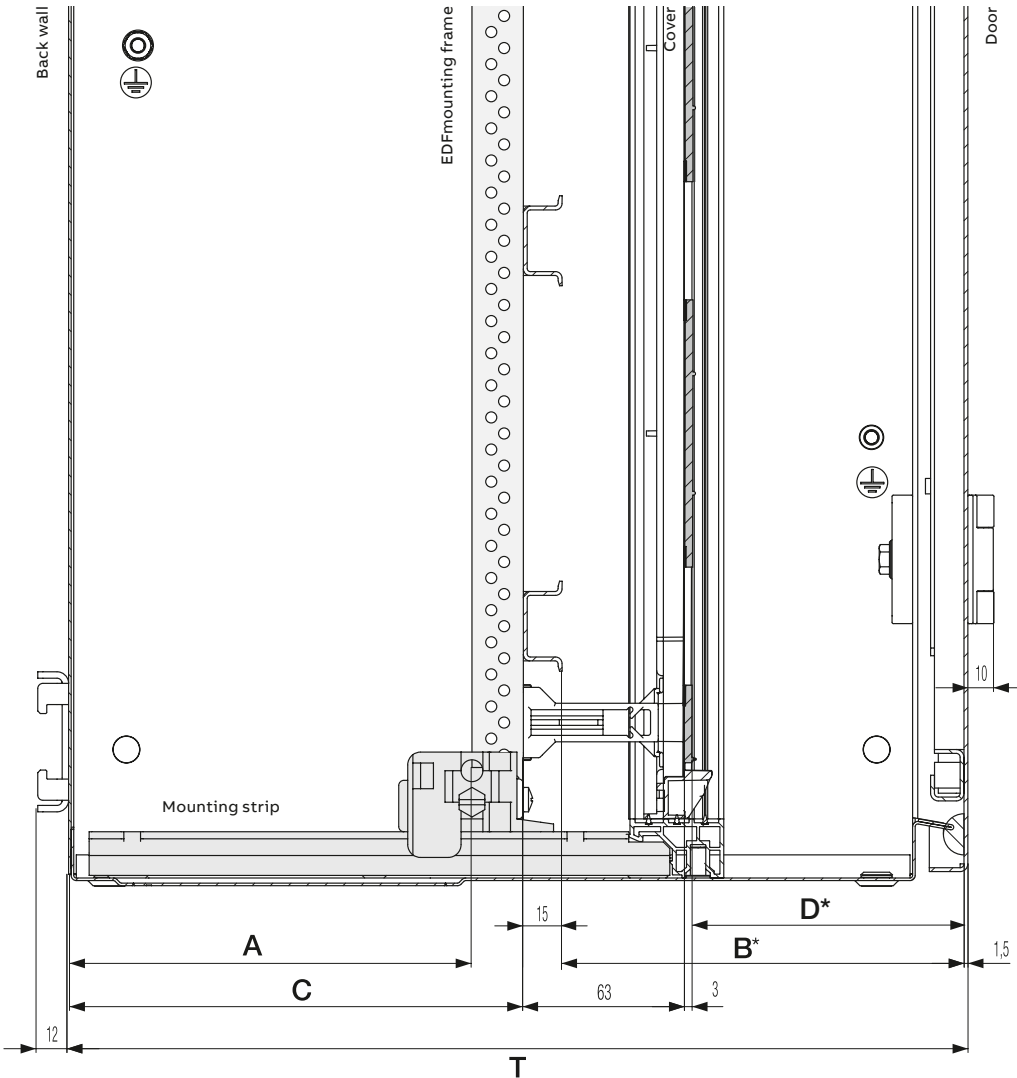


Cabinet series	Depth	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	-1	-2
<b>Dimension A at installation position</b>																		
TwinLine-G	255												52,50	65,00	77,50	90,00	102,50	115,00
TwinLine-L	275									50,00	62,50	75,00	87,50	100,00	112,50	125,00	137,50	150,00
TwinLine-W	350					48,50	61,00	73,50	86,00	98,50	111,00	123,50	136,00	148,50	161,00	173,50	186,00	198,50
TwinLine-X	400	48,5	61,00	73,50	86,00	98,5	111,00	123,50	136,00	148,50	161,00	173,50	186,00	198,50	211,00	223,50	236,00	248,50
<b>Dimension B at installation position*</b>																		
TwinLine-G	255												177,00	157,50	145,00	132,50	120,00	107,50
TwinLine-L	275									222,50	210,00	197,50	185,00	172,50	160,00	147,50	135,00	122,50
TwinLine-W	350					299,00	286,50	274,00	261,50	249,00	236,50	224,00	211,50	199,00	186,50	174,00	161,50	149,00
TwinLine-X	400	349,00	336,50	324,00	311,50	299,00	286,50	274,00	261,50	249,00	236,50	224,00	211,50	199,00	186,50	174,00	161,50	149,00

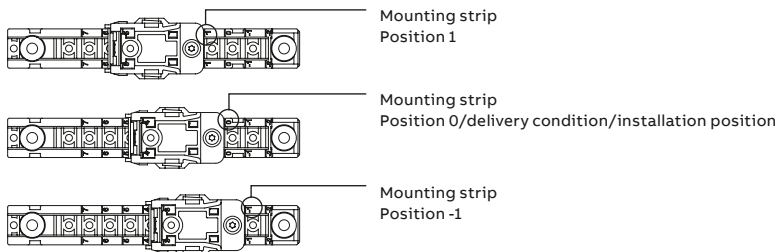
\* Related to the area of the installation space (see page 139); outside the installation space, this dimension is reduced by 35 mm due to door installation components  
> Dimensions in mm

# Wall and floor-standing cabinets TwinLine N

## CombiLine N modules on EDF mounting frame



Mounting strip  
Top view

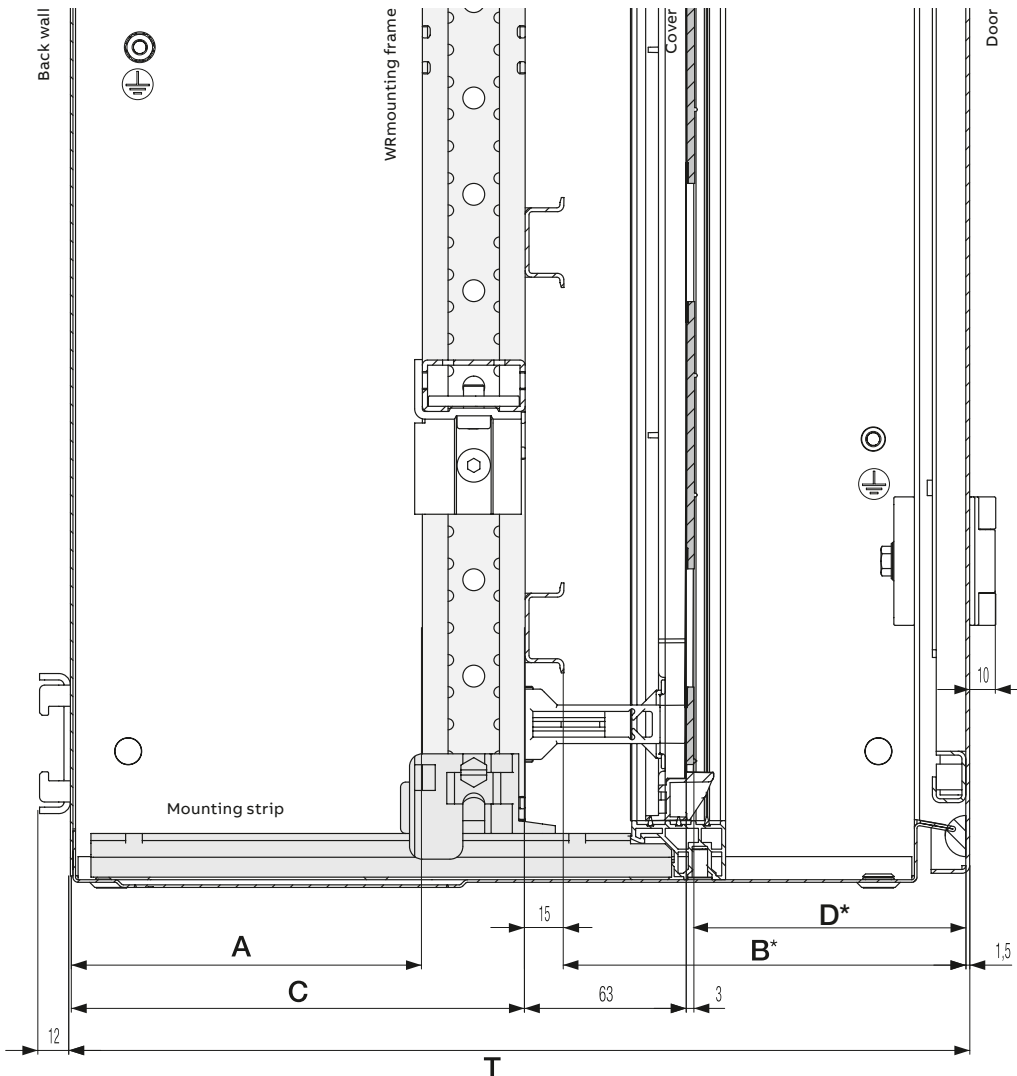


Cabinet series	Depth	Dimension A at installation position			Dimension B at installation position*			Dimension C at installation position			Dimension D at installation position*		
		1	0	-1	1	0	-1	1	0	-1	1	0	-1
TwinLine-G	225.00	60.00	72.50	85.00	127.50	115.00	102.50	80.00	92.50	105.00	76.50	64.00	51.50
TwinLine-L	275.00	95.00	107.50	120.00	142.50	130.00	117.50	115.00	127.50	140.00	91.50	79.00	66.50
TwinLine-W	350.00	143.50	156.00	168.50	169.00	156.50	144.00	163.50	176.00	188.50	117.50	105.00	92.50

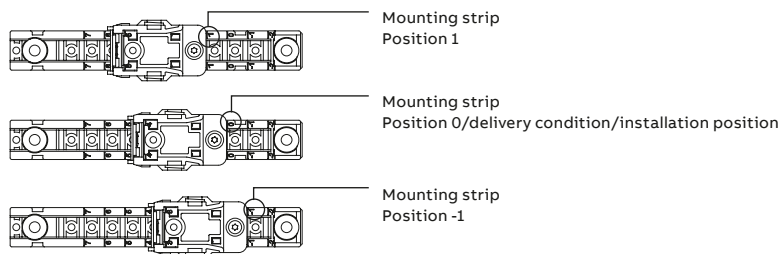
\* Related to the area of the installation space (see page 140); outside the installation space, this dimension is reduced by 35 mm due to door installation components  
> Dimensions in mm

# Wall and floor-standing cabinets TwinLine N

## CombiLine N modules on WR mounting frame



Mounting strip  
Top view



Cabinet series	Depth	Dimension A at installation position*			Dimension B at installation position**			Dimension C at installation position*			Dimension D at installation position*		
		1	0	-1	1	0	-1	1	0	-1	1	0	-1
TwinLine-G	225,00	40,00	52,50	65,00	127,50	115,00	102,50	80,00	92,50	105,00	76,50	64,00	51,50
TwinLine-L	275,00	75,00	87,50	100,00	142,50	130,00	117,50	115,00	127,50	140,00	91,50	79,00	66,50
TwinLine-W	350,00	123,50	136,00	148,50	169,00	156,50	144,00	163,50	176,00	188,50	117,50	105,00	92,50
TwinLine-X	400,00	173,50	186,00	198,50	169,00	156,50	144,00	213,50	226,00	238,50	117,50	105,00	92,50

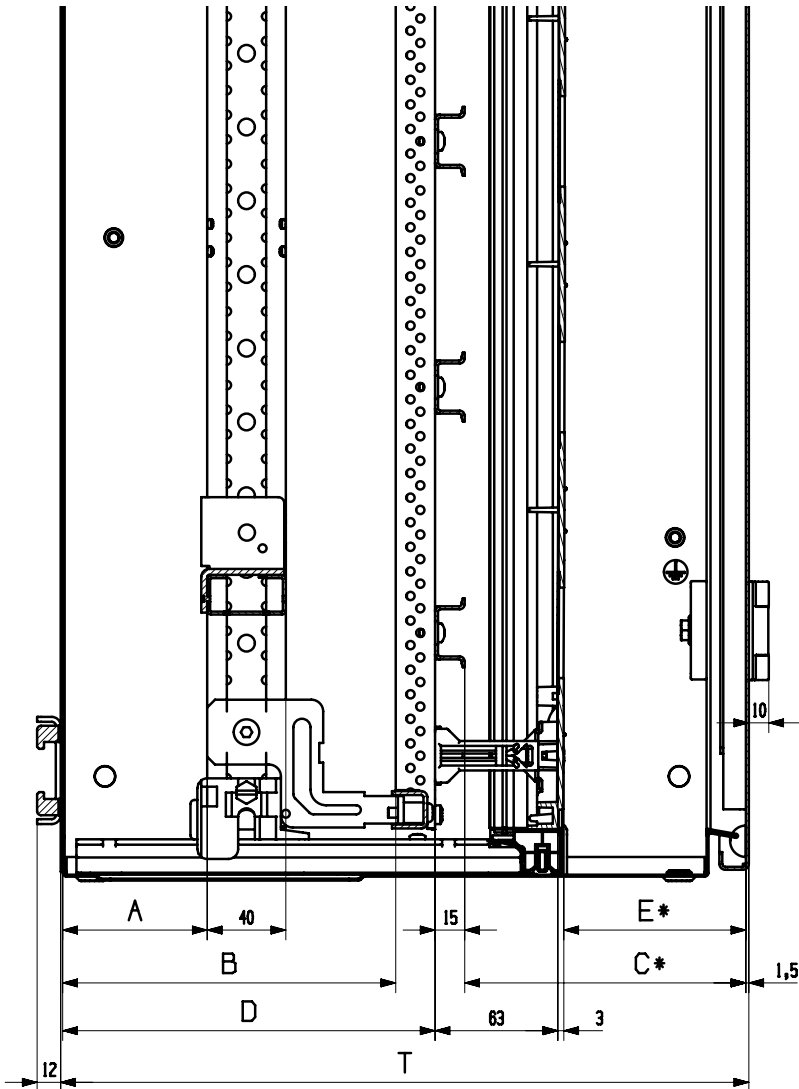
\* Related to the area of the installation space; outside the installation space, this dimension is reduced by 35 mm due to door installation components

> Dimensions in mm

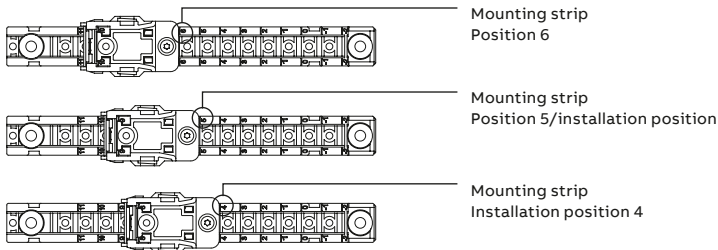


## Wall and floor-standing cabinets TwinLine N

Installation with EDF mounting frame on WR mounting frame



Mounting strip  
Top view

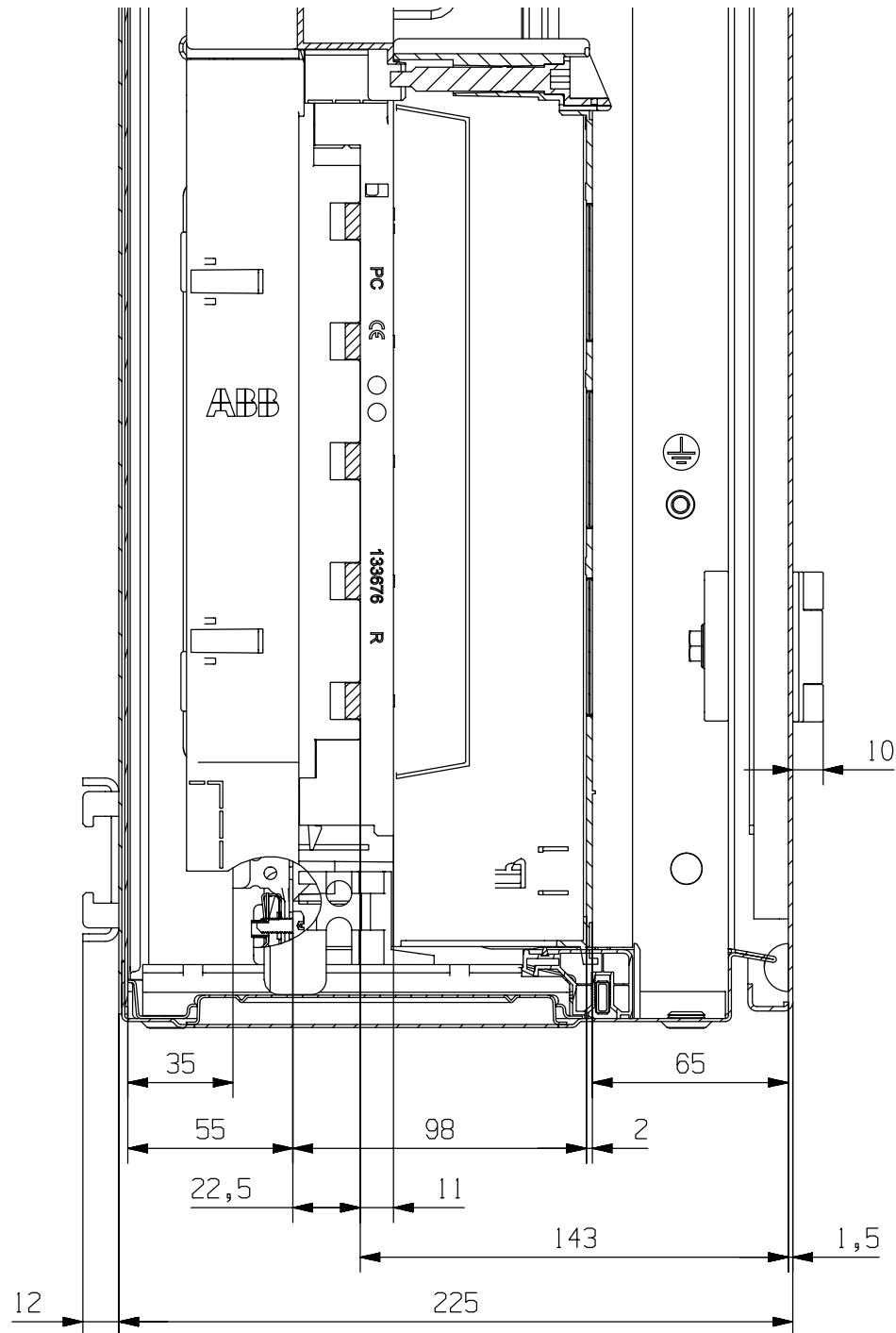


Cabinet series	Depth	Dimension A at installation position			Dimension B at installation position			Dimension C at installation position*			Dimension D at installation position			Dimension E at installation position*		
		6	5	4	6	5	4	6	5	4	6	5	4	6	5	4
TwinLine-L	275	12,5	25	37,5	108,5	121	133,5	129,5	117	104,5	128,5	141	153,5	78,5	66	53,5
TwinLine-W	350	61	73,5	86	157	169,5	182	155,5	143	130,5	177	189,5	202	104,5	92	79,5
TwinLine-X	400	111	123,5	136	207	219,5	232	155,5	143	130,5	227	239,5	252	104,5	92	79,5

\* Related to the area of the installation space (see page 142); outside the installation space, this dimension is reduced by 35 mm due to door installation components  
> Dimensions in mm

## Wall and floor-standing cabinets TwinLine N

Installation with meter field for TwinLine-G 

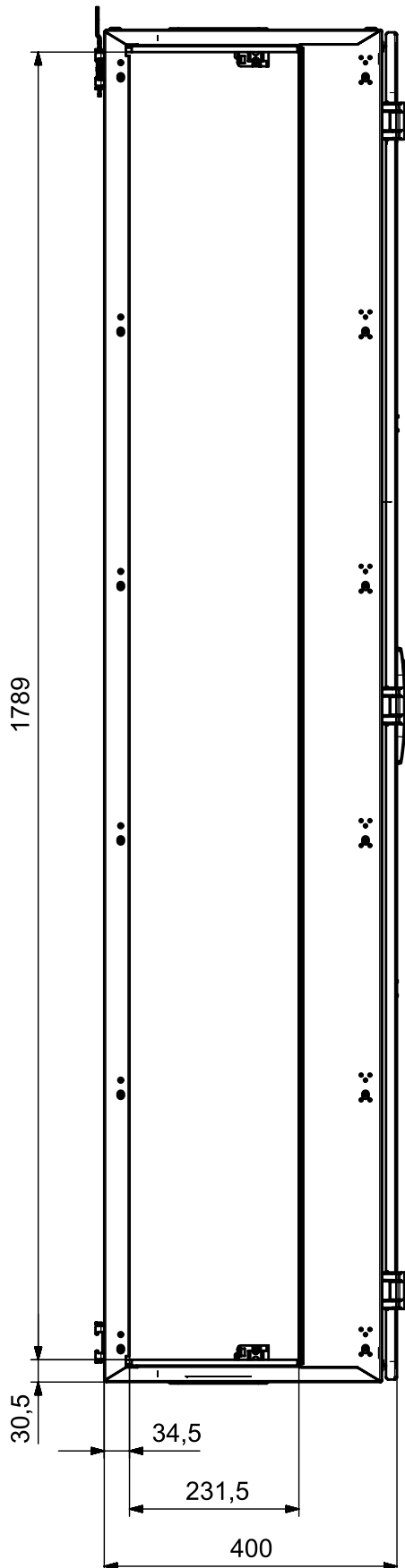


Mounting strip  
Top view



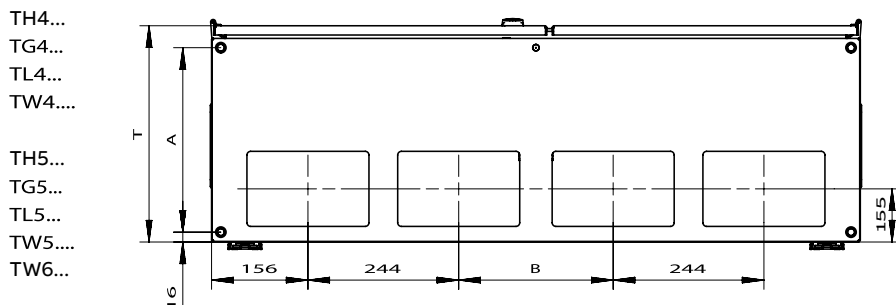
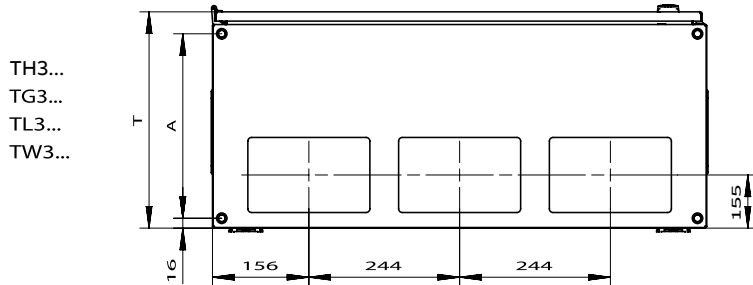
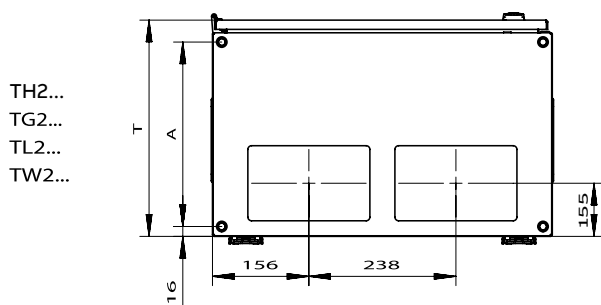
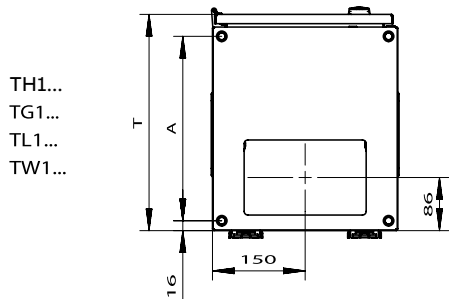
\* Related to the area of the installation space (see page 143); outside the installation space, this dimension is reduced by 35 mm due to door installation components  
> Dimensions in mm

**Wall and floor-standing cabinets TwinLine N**  
TwinLine-X left sectional view with dimensions



## Wall and floor-standing cabinets TwinLine N

Top view of flange knock-out bottom and top

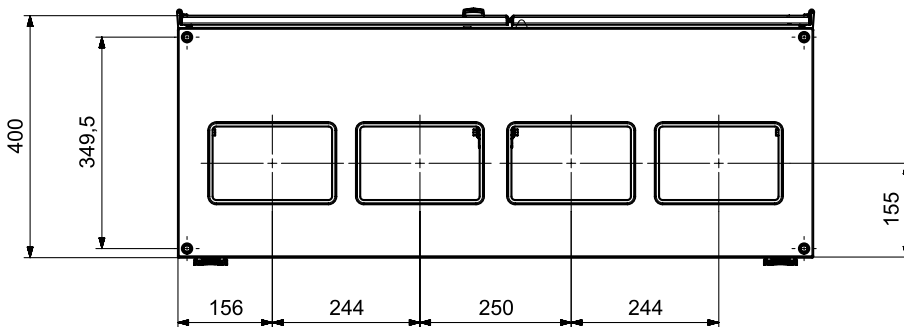
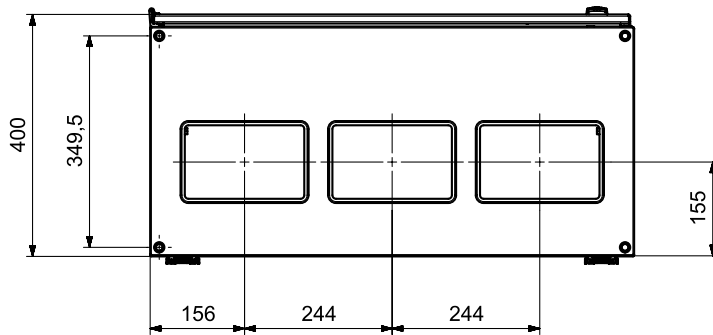
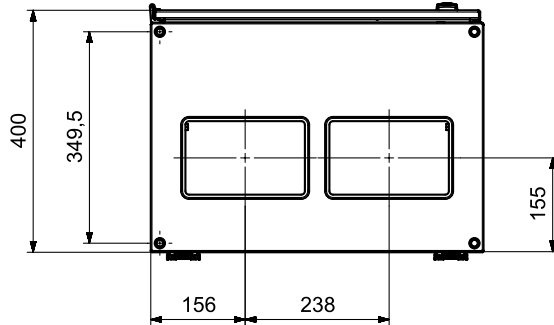


Cabinet series	Depth	A	B (field width 4)	B (field width 5)	B (field width 6)
TwinLine-G/-H	225.00	173.50			
TwinLine-L	275.00	223.50	1 x 250 (250)	2 x 250 (500)	3 x 250 (750)
TwinLine-W	350.00	298.50			

> Dimensions in mm

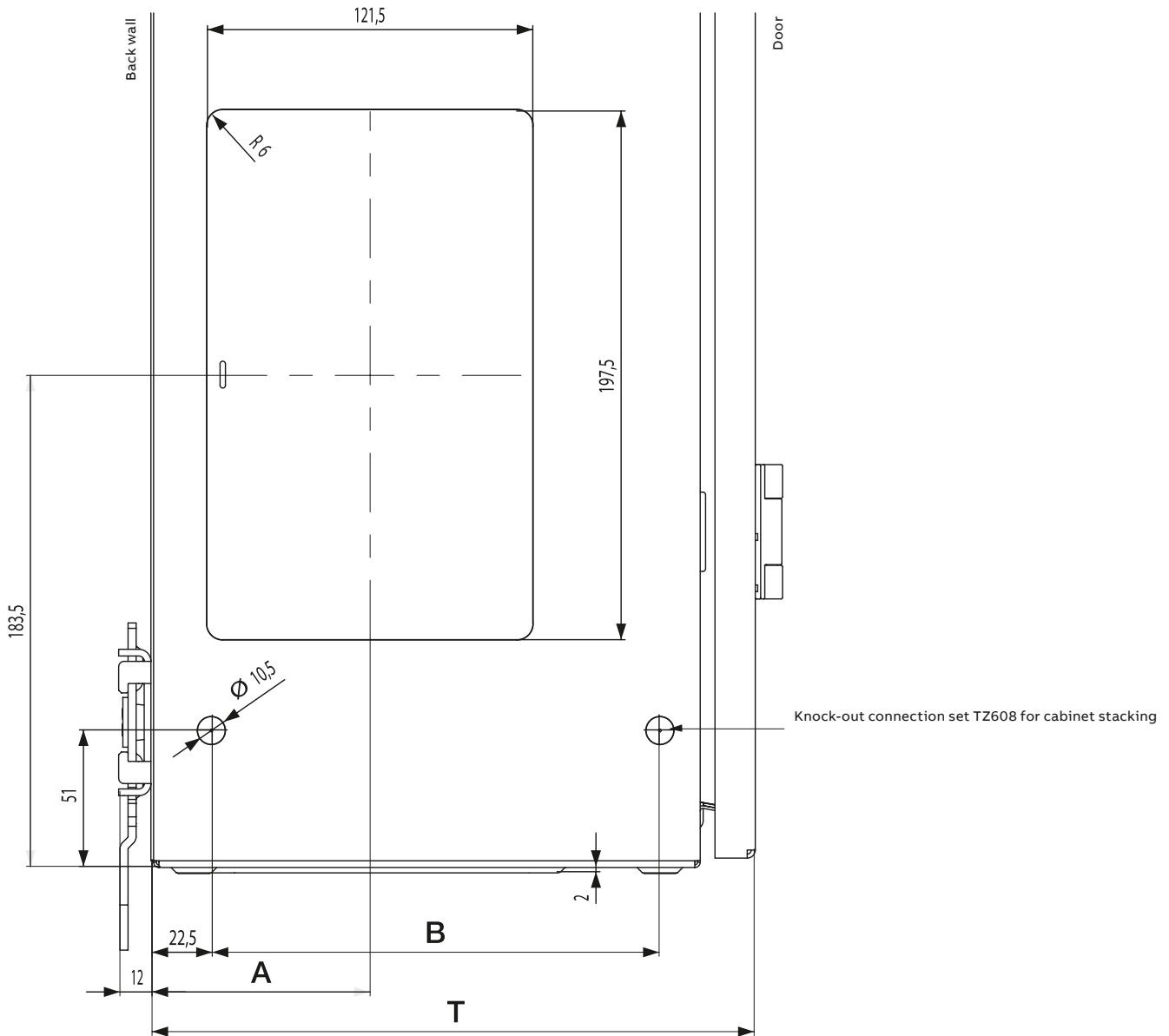
## Wall and floor-standing cabinets TwinLine N

Dimensions of the top and bottom flange knockout TwinLine-X



## Wall and floor-standing cabinets TwinLine N

Side view of flange knock-out bottom and top



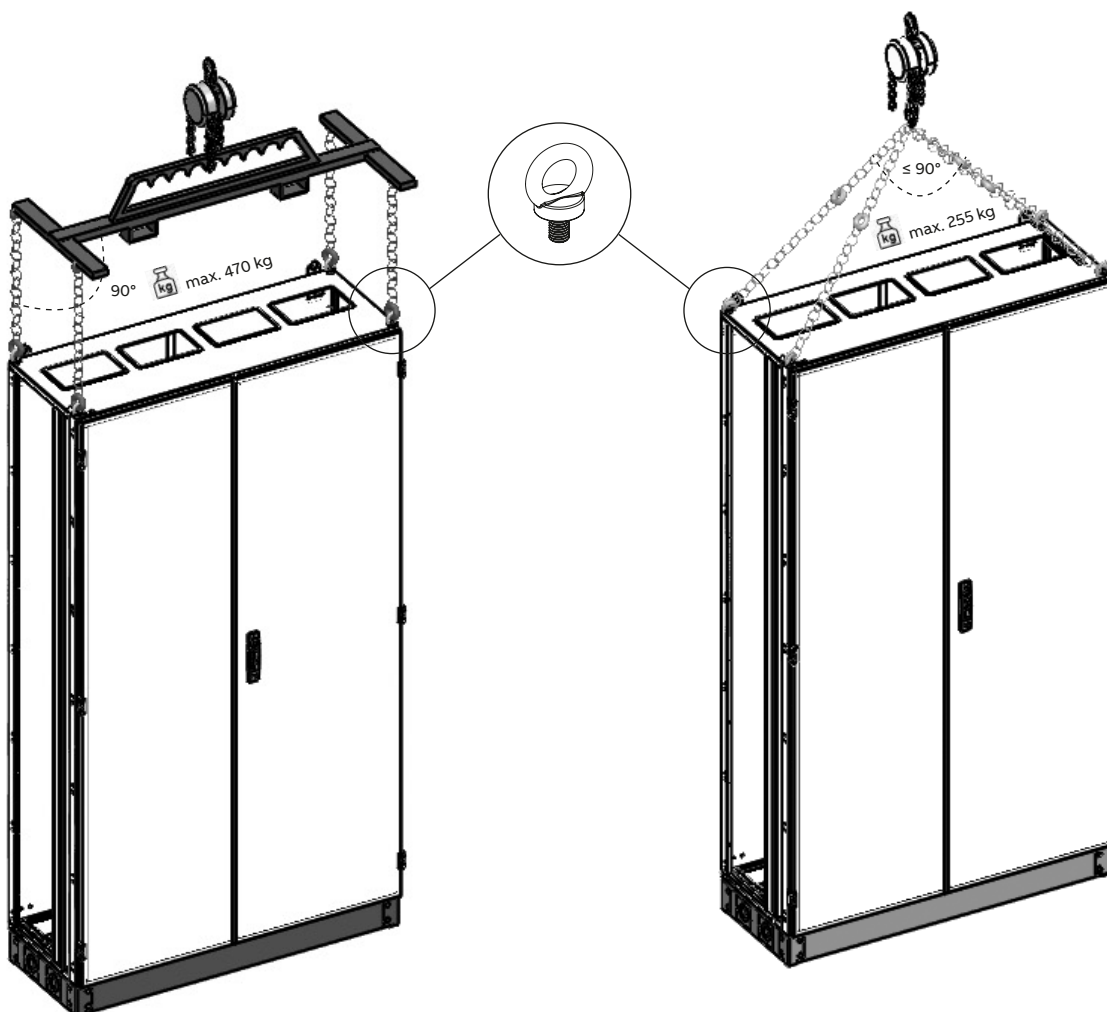
Cabinet series	Depth	A	B
TwinLine-G	225.00	80.50	167.00
TwinLine-L	275.00	106.50	217.00
TwinLine-W	350.00	154.50	292.00

> Dimensions in mm

## Wall and floor-standing cabinets TwinLine N

### Transport by crane

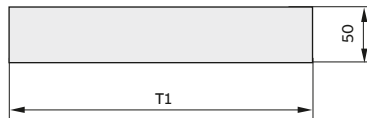
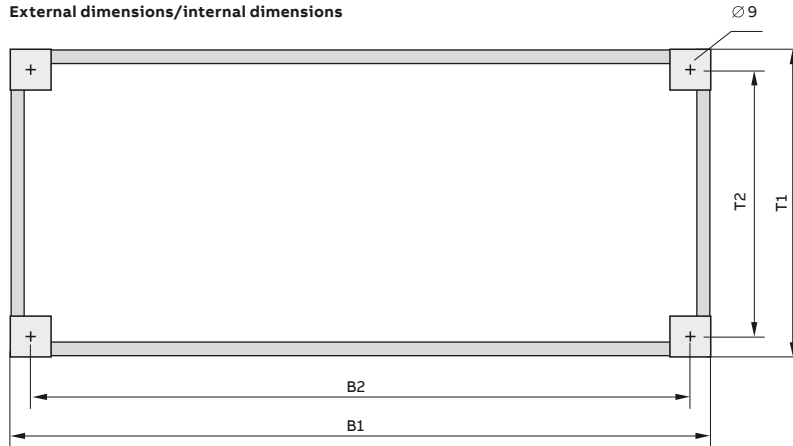
The TwinLine housing can be lifted in accordance with the information given. Here it is imperative that transport eye bolts from ABB STRIEBEL & JOHN with order code TZ615P4 are used. Crane transport must be provided exclusively for individual cabinets! Furthermore, the maximum installation weights of the cabinets must be observed.



## TwinLine N accessories

Dimensions and weight – base, height 50 mm

External dimensions/internal dimensions

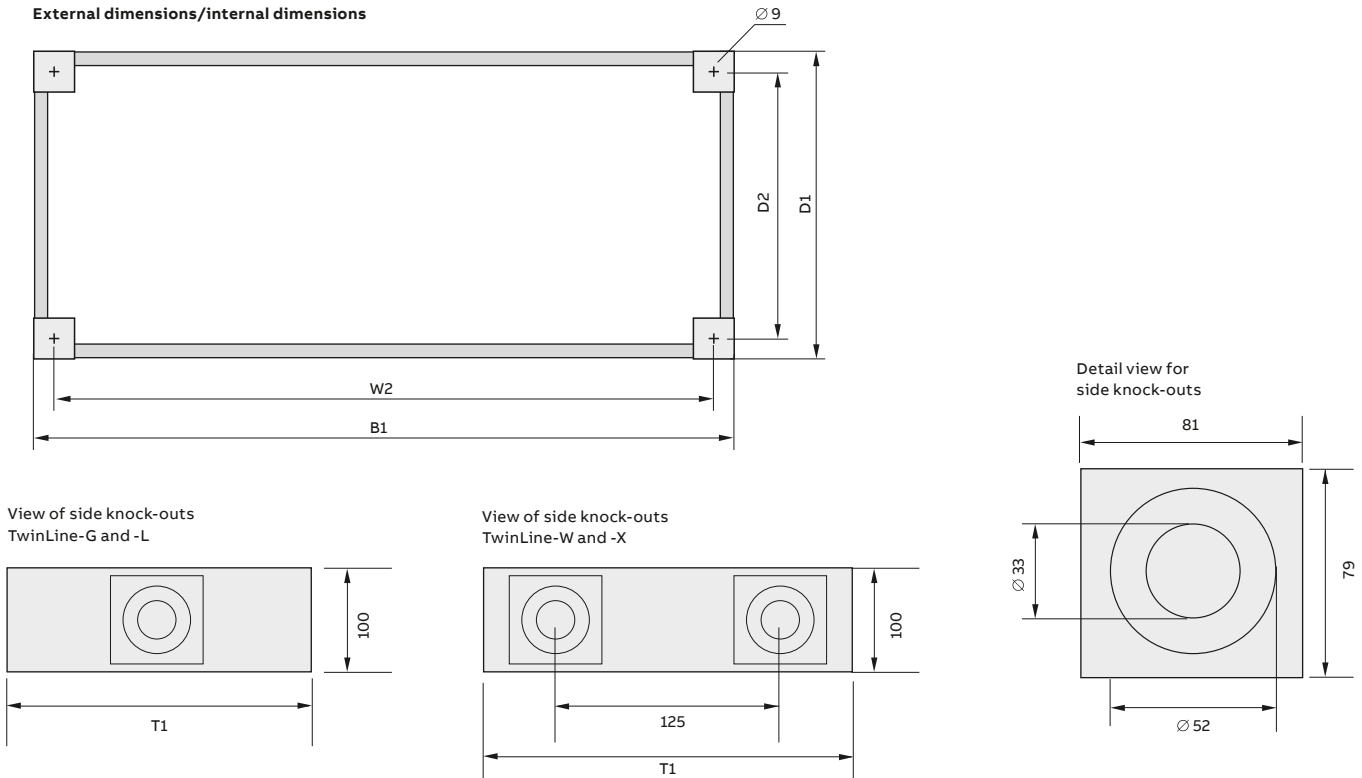


Height	Depth	Width		External dimensions		Internal dimensions		Weight in kg
		FB	Type	Width x depth	D1	Width x depth	D2	
<b>TwinLine-G, base 50 mm</b>								
50	225	1	TZG105	300	203.50	270	173.50	1.37
		2	TZG205	550	203.50	520	173.50	1.91
		3	TZG305	800	203.50	770	173.50	2.41
		4	TZG405	1050	203.50	1020	173.50	2.93
		5	TZG505	1300	203.50	1270	173.50	3.44
<b>TwinLine-L, base 50 mm</b>								
50	275	1	TZL105	300	253.50	270	223.50	1.49
		2	TZL205	550	253.50	520	223.50	2.03
		3	TZL305	800	253.50	770	223.50	2.54
		4	TZL405	1050	253.50	1020	223.50	3.34
		5	TZL505	1300	253.50	1270	223.50	5.78
<b>TwinLine-W, base 50 mm</b>								
50	350	1	TZW105	300	328.50	270	298.50	1.67
		2	TZW205	550	328.50	520	298.50	2.21
		3	TZW305	800	328.50	770	298.50	2.72
		4	TZW405	1050	328.50	1020	298.50	5.03
		5	TZW505	1300	328.50	1270	298.50	5.97
		6	TZW605	1550	328.50	1520	298.50	6.90
<b>TwinLine-X, base 50 mm</b>								
50	400	2	TZX205	550	378,5	520	348,5	2.3
		3	TZX305	800	378,5	770	348,5	2.8
		4	TZX405	1050	378,5	1020	348,5	5.1



## TwinLine N accessories

Dimensions and weight – base, height 100 mm



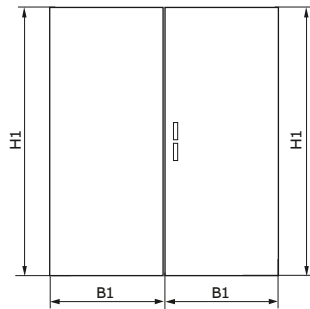
Height	Depth	Width		External dimensions		Internal dimensions		Weight in kg
		FB	Type	Width x depth	D1	Width x depth	D2	
<b>TwinLine-G, base 100 mm</b>								
100	225	1	TZG110	300	203.50	270	173.50	2.22
		2	TZG210	550	203.50	520	173.50	3.06
		3	TZG310	800	203.50	770	173.50	3.87
		4	TZG410	1050	203.50	1020	173.50	4.67
		5	TZG510	1300	204.50	1270	173.50	5.47
<b>TwinLine-L, base 100 mm</b>								
100	275	1	TZL110	300	253.50	270	223.50	2.41
		2	TZL210	550	253.50	520	223.50	3.24
		3	TZL310	800	253.50	770	223.50	4.05
		4	TZL410	1050	253.50	1020	223.50	6.71
		5	TZL510	1300	254.50	1270	223.50	7.95
<b>TwinLine-W, base 100 mm</b>								
100	350	1	TZW110	300	328.50	270	298.50	2.68
		2	TZW210	550	328.50	520	298.50	3.52
		3	TZW310	800	328.50	770	298.50	4.32
		4	TZW410	1050	328.50	1020	298.50	6.98
		5	TZW510	1300	329.50	1270	298.50	8.22
		6	TZW610	1550	329.50	1520	298.50	9.45
<b>TwinLine-X, base 100 mm</b>								
100	400	2	TZX210	550	378.5	520	348.5	3.7
		3	TZX310	800	378.5	770	348.5	4.4
		4	TZX410	1050	378.5	1020	348.5	7.0

> Dimensions in mm

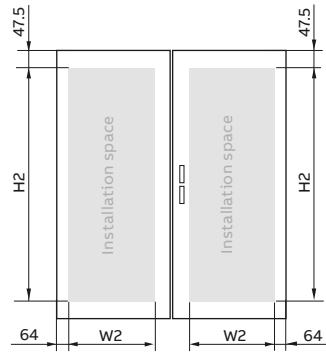
## TwinLine N accessories

Dimensions and weights - doors, height 4 to 7 RE

External dimensions  
Cabinets with field width 4 and over  
Double doors



Usable installation space  
Cabinets with field width 4 and over  
Double doors



RE	Width		Type	Remark	External dimensions Height x width		Installation space Height x width		Weight in kg
	BH	FB			H1	B1	H2	W2	
<b>TwinLine wall cabinets, doors</b>									
4	0	1	TZB104		643	289	548	123	5.46
		2	TZB204		643	539	548	373	7.75
		3	TZB304		643	789	548	623	10.11
		4*1	TZB204L	Left door	643	526 *2	548	373	7.77
			TZB204R	Right door	643	539	548	373	7.78
		5*1	TZB304L	Left door	643	776 *2	548	623	10.11
	TZB204R	Right door	643	539	548	373	7.78		
5	1	1	TZB105		793	289	698	123	6.27
		2	TZB205		793	539	698	373	9.05
		3	TZB305		793	789	698	623	11.85
		4*1	TZB205L	Left door	793	526 *2	698	373	9.10
			TZB205R	Right door	793	539	698	373	9.05
		5*1	TZB305L	Left door	793	776 *2	698	623	11.89
	TZB205R	Right door	793	539	698	373	9.05		
6	2	1	TZB106		943	289	848	123	7.03
		2	TZB206		943	539	848	373	10.32
		3	TZB306		943	789	848	623	13.58
		4*1	TZB206L	Left door	943	526 *2	848	373	10.41
			TZB206R	Right door	943	539	848	373	10.32
		5*1	TZB306L	Left door	943	776 *2	848	623	13.68
	TZB206R	Right door	943	539	848	373	10.32		
7	3	1	TZB107		1093	289	998	123	7.94
		2	TZB207		1093	539	998	373	11.69
		3	TZB307		1093	789	998	623	15.42
		4*1	TZB207L	Left door	1093	526 *2	998	373	11.85
			TZB207R	Right door	1093	539	998	373	11.69
		5*1	TZB307L	Left door	1093	776 *2	998	623	15.57
	TZB207R	Right door	1093	539	998	373	11.69		

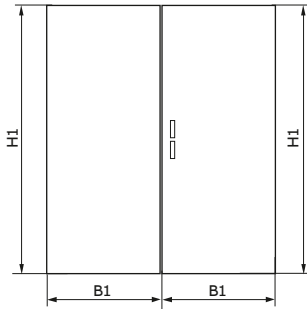
\*1 Double doors field width 4 and over

\*2 Dimensions including door center bar

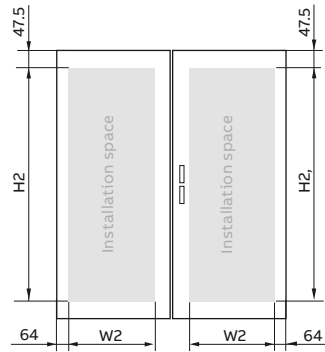
## TwinLine N accessories

### Dimensions and weights – doors, height 8 to 12 RE

External dimensions  
Cabinets with field width 4 and over  
Double doors



Usable installation space  
Cabinets with field width 4 and over  
Double doors



RE	Height		Width		Type	Remark	External dimensions Height x width		Installation space Height x width		Weight in kg	Max. installation weight in kg
	BH	FB	H1	B1			H2	W2				
<b>TwinLine wall cabinets, doors</b>												
8	4	1		TZB108			1243	289	1148	123	8.75	5.00
		2		TZB208			1243	539	1148	373	12.96	5.00
		3		TZB308			1243	789	1148	623	17.15	7.50
		4*		TZB208L	Left door		1243	526 * <sup>2</sup>	1148	373	13.17	5.00
				TZB208R	Right door		1243	539	1148	373	12.96	5.00
		5*		TZB308L	Left door		1243	776 * <sup>2</sup>	1148	623	17.36	7.50
				TZB208R	Right door		1243	539	1148	373	12.96	5.00
9	5	1		TZB109			1393	289	1298	123	9.55	5.00
		2		TZB209			1393	539	1298	373	14.23	5.00
		3		TZB309			1393	789	1298	623	18.88	7.50
		4*		TZB209L	Left door		1393	526 * <sup>2</sup>	1298	373	14.49	5.00
				TZB209R	Right door		1393	539	1298	373	14.23	5.00
		5*		TZB309L	Left door		1393	776 * <sup>2</sup>	1298	623	19.14	7.50
				TZB209R	Right door		1393	539	1298	373	14.23	5.00
<b>TwinLine standing cabinets, doors</b>												
12	8	1		TZB112			1843	289	1748	123	11.96	5.00
		2		TZB212			1843	539	1748	373	18.07	5.00
		3		TZB312			1843	789	1748	623	24.08	7.50
		4*		TZB212L	Left door		1843	526 * <sup>2</sup>	1748	373	18.45	5.00
				TZB212R	Right door		1843	539	1748	373	18.03	5.00
		5*		TZB312L	Left door		1843	776 * <sup>2</sup>	1748	623	24.49	7.50
				TZB212R	Right door		1843	539	1748	373	18.03	5.00
		6*		TZB312L	Left door		1843	776 * <sup>2</sup>	1748	623	24.49	7.50
				TZB312R	Right door		1843	789	1748	623	24.08	7.50

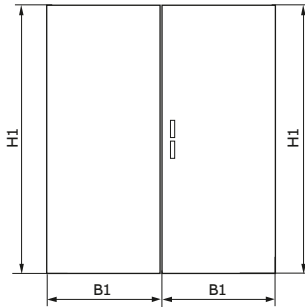
\* Double doors field width 4 and over

\*<sup>2</sup> Dimensions including door center bar

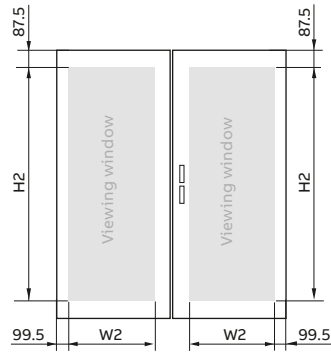
## TwinLine N accessories

Dimensions and weights – doors with viewing window, height 4 to 7 RE

External dimensions  
Cabinets with field width 4 and over  
Double doors



Dimensions of field of view  
Cabinets with field width 4 and over  
Double doors



Height RE	Width		Type	Remark	External dimensions Height x width		Field of view Height x width		Weight in kg
	BH	FB			H1	B1	H2	W2	
<b>TwinLine wall cabinets, doors</b>									
4	0	2	TZT204		643	539	468	340	6.40
		3	TZT304		643	789	468	590	8.70
		4 <sup>*1</sup>	TZT204L	Left door	643	526 <sup>*2</sup>	468	340	6.50
			TZT204R	Right door	643	539	468	340	6.50
		5 <sup>*1</sup>	TZT304L	Left door	643	776 <sup>*2</sup>	468	590	8.40
			TZT204R	Right door	643	539	468	340	6.50
5	1	2	TZT205		793	539	618	340	7.60
		3	TZT305		793	789	618	590	10.20
		4 <sup>*1</sup>	TZT205L	Left door	793	526 <sup>*2</sup>	618	340	7.40
			TZT205R	Right door	793	539	618	340	7.50
		5 <sup>*1</sup>	TZT305L	Left door	793	776 <sup>*2</sup>	618	590	9.90
			TZT205R	Right door	793	539	618	340	7.50
6	2	2	TZT206		943	539	768	340	8.70
		3	TZT306		943	789	768	590	11.50
		4 <sup>*1</sup>	TZT206L	Left door	943	526 <sup>*2</sup>	768	340	8.50
			TZT206R	Right door	943	539	768	340	8.60
		5 <sup>*1</sup>	TZT306L	Left door	943	776 <sup>*2</sup>	768	590	11.40
			TZT206R	Right door	943	539	768	340	8.60
7	3	2	TZT207		1093	539	918	340	10.00
		3	TZT307		1093	789	918	590	13.00
		4 <sup>*1</sup>	TZT207L	Left door	1093	526 <sup>*2</sup>	918	340	9.70
			TZT207R	Right door	1093	539	918	340	9.80
		5 <sup>*1</sup>	TZT307L	Left door	1093	776 <sup>*2</sup>	918	590	13.00
			TZT207R	Right door	1093	539	918	340	9.80

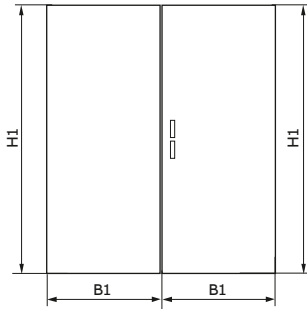
<sup>\*1</sup> Double doors field width 4 and over

<sup>\*2</sup> Dimensions including door center bar

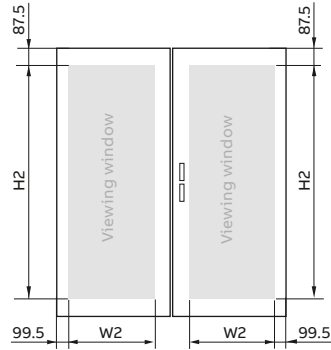
## TwinLine N accessories

Dimensions and weights - doors with viewing window, height 8 to 12 RE

External dimensions  
Cabinets with field width 4 and over  
Double doors



Dimensions of field of view  
Cabinets with field width 4 and over  
Double doors



RE	Width		Type	Remark	External dimensions Height x width		Field of view Height x width		Weight in kg
	BH	FB			H1	B1	H2	W2	
<b>TwinLine wall cabinets, doors</b>									
8	4	2	TZT208		1243	539	1068	340	11.10
		3	TZT308		1243	789	1068	590	14.60
	4*	TZT208L	Left door	1243	526 <sup>*2</sup>	1068	340	10.90	
		TZT208R	Right door	1243	539	1068	340	11.10	
	5*	TZT308L	Left door	1243	776 <sup>*2</sup>	1068	590	14.60	
		TZT208R	Right door	1243	539	1068	340	11.10	
9	5	2	TZT209		1393	539	1218	340	12.20
		3	TZT309		1393	789	1218	590	16.10
	4*	TZT209L	Left door	1393	526 <sup>*2</sup>	1218	340	12.00	
		TZT209R	Right door	1393	539	1218	340	11.50	
	5*	TZT309L	Left door	1393	776 <sup>*2</sup>	1218	590	16.00	
		TZT209R	Right door	1393	539	1218	340	11.50	
<b>TwinLine standing cabinets, doors</b>									
12	8	2	TZT212		1843	539	1668	340	15.60
		3	TZT312		1843	789	1668	590	20.70
	4*	TZT212L	Left door	1843	526 <sup>*2</sup>	1668	340	15.60	
		TZT212R	Right door	1843	539	1668	340	15.40	
	5*	TZT312L	Left door	1843	776 <sup>*2</sup>	1668	590	20.70	
		TZT212R	Right door	1843	539	1668	340	15.40	
6*	TZT312L	Left door	1843	776 <sup>*2</sup>	1668	590	20.70		
	TZT312R	Right door	1843	789	1668	590	19.90		

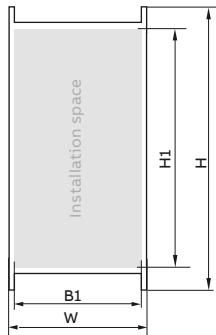
\* Double doors field width 4 and over

\*2 Dimensions including door center bar

## TwinLine N accessories

### Dimensions and weights – mounting plates

External dimensions/usable installation space  
Mounting plate



Height RE	Width		External dimensions			Installation space		Weight in kg
	BH	FB	Type	H	W	H1	B1	
<b>Mounting plates for TwinLine wall cabinets</b> ±								
4	0	1	TZM104	600	246	522	160	3.51
		2	TZM204	600	496	522	410	5.79
		3	TZM304	600	746	522	660	8.07
		4	TZM404	600	996	522	910	10.35
		5	TZM504	600	1246	522	1160	12.62
5	1	1	TZM105	750	246	672	160	4.43
		2	TZM205	750	496	672	410	7.30
		3	TZM305	750	746	672	660	10.17
		4	TZM405	750	996	672	910	13.03
		5	TZM505	750	1246	672	1160	15.90
6	2	1	TZM106	900	246	822	160	5.35
		2	TZM206	900	496	822	410	8.80
		3	TZM306	900	746	822	660	12.26
		4	TZM406	900	996	822	910	15.72
		5	TZM506	900	1246	822	1160	19.20
7	3	1	TZM107	1050	246	972	160	6.26
		2	TZM207	1050	496	972	410	10.31
		3	TZM307	1050	746	972	660	14.36
		4	TZM407	1050	996	972	910	18.40
		5	TZM507	1050	1246	972	1160	22.45
8	4	1	TZM108	1200	246	1122	160	7.18
		2	TZM208	1200	496	1122	410	11.82
		3	TZM308	1200	746	1122	660	16.45
		4	TZM408	1200	996	1122	910	21.09
		5	TZM508	1200	1246	1122	1160	25.72
9	5	1	TZM109	1350	246	1272	160	8.10
		2	TZM209	1350	496	1272	410	13.33
		3	TZM309	1350	746	1272	660	18.55
		4	TZM409	1350	996	1272	910	23.77
		5	TZM509	1350	1246	1272	1160	29.00
<b>Mounting plates for TwinLine standing cabinets</b> ±								
12	8	1	TZM112	1800	246	1722	160	10.80
		2	TZM212	1800	496	1722	410	17.80
		3	TZM312	1800	746	1722	660	21.00
		4	TZM412	1800	996	1722	910	31.80

> Dimensions in mm

## TwinLine N accessories

### Meter applications



TZ610

#### Inner cladding TZ610

For meter fields, depth = 225 - 350 mm

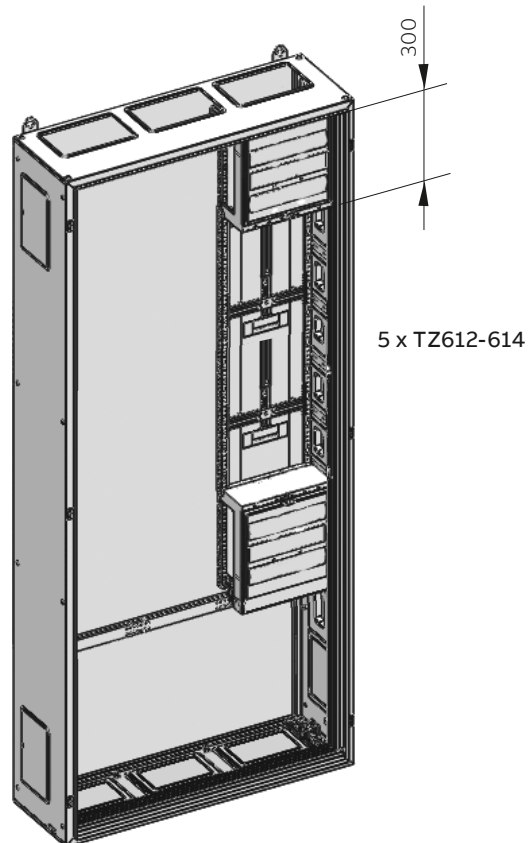
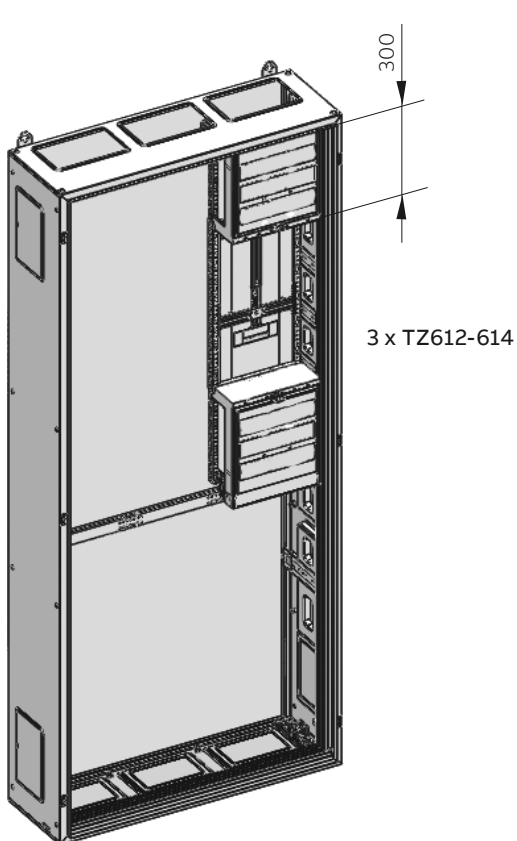
Additional profile for meter fields with 150 mm connection compartment in the insulated cabinet



TZ614

#### Cover strip TZ612-614

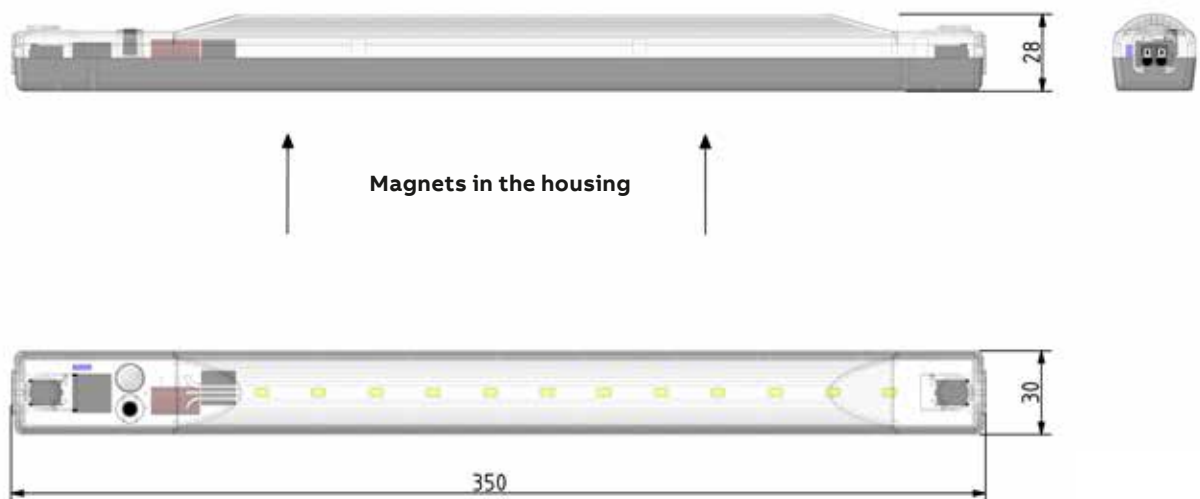
Required for installation of meter fields in insulated cabinets for compliance with protection class IPXXB in the area of unnecessary fastening points for the middle support rail



## TwinLine N accessories

### LED control cabinet lights TZ650

Technical specifications	
Operating voltage	24 V – 265 V AC / DC
Power consumption	6 W
Light output	700 lm
Lighting level	1200 lx, 0.5 m 450 lx, 1.0 m
Color temperature	5,000 K
Degree of protection	IP 20
Protection class	II
Lifetime (std. at 20 °C)	50,000 h
Terminal	Push-in connector
Housing material	Polycarbonate
Weight	140 g
Max. humidity [% rH]	90 %
Operating temperature [° C]	- 20 °C to + 60 °C
Ambient temperature (storage)	- 40 °C to + 85 °C
Approvals	CE

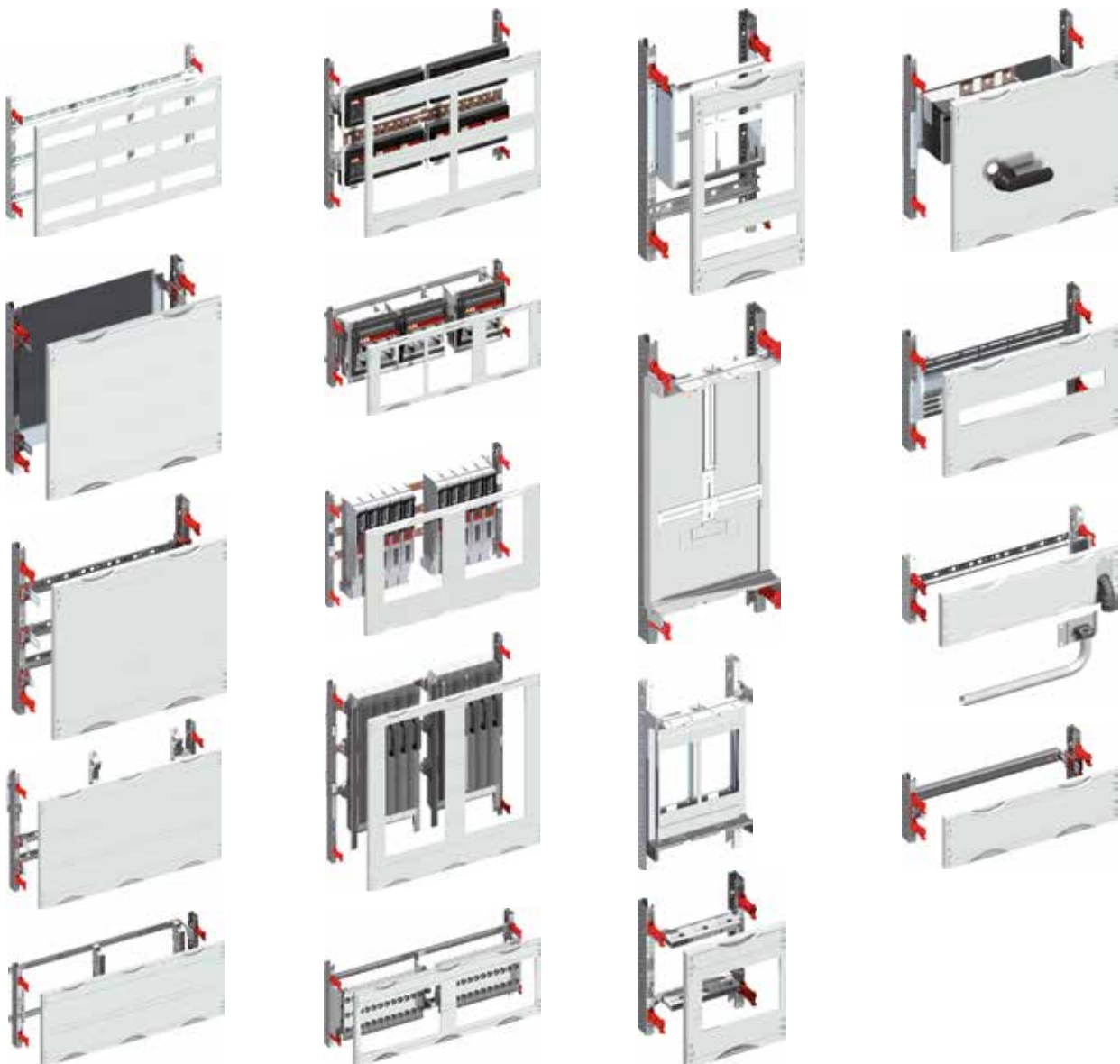






## Interior expansion system CombiLine N

The right module for every type of application



## Interior expansion system CombiLine N

Expansion with EDF or WR mounting frame



### Empty cabinets for expansion with EDF mounting frame

#### Small distributor

UL and AL  $\square$

#### Wall-mounted cabinets

U and A  $\square$ , B  $\perp$

TwinLine-G, TwinLine-L and TwinLine-W  $\perp$   $\square$

#### Standalone cabinets

TwinLine-H  $\square$   $\perp$

TwinLine-G, TwinLine-L and TwinLine-W  $\perp$   $\square$

#### Series switching cabinets

TriLine<sup>®</sup>, System pro E power  $\perp$

#### Fire protection housing

UF, AF and SF  $\perp$

### Empty cabinets for expansion with WR mounting frame

#### Wall-mounted cabinets

TwinLine-G, TwinLine-L and TwinLine-W  $\perp$   $\square$

#### Standalone cabinets

TwinLine-G, TwinLine-L and TwinLine-W  $\perp$   $\square$

#### Series switching cabinets

TriLine<sup>®</sup>, System pro E power  $\perp$



EDF mounting frame up to 400 A



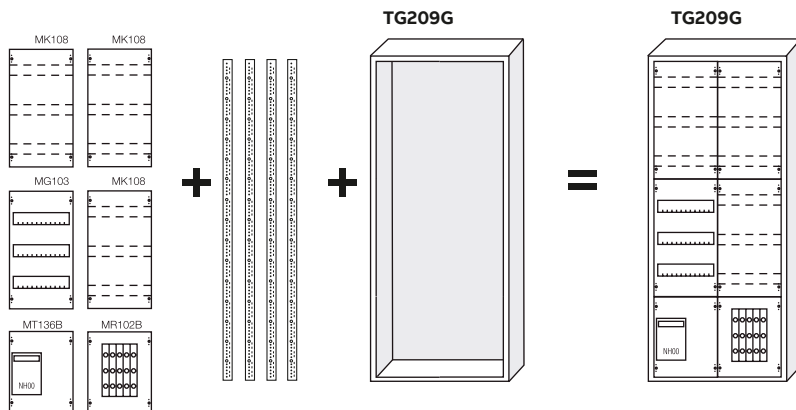
WR mounting frame up to 850 A

## Interior expansion system CombiLine N

Possible applications with EDF mounting frame

**Small distributor of the UL series, AL/wall-mounted cabinets of the series U, A and TwinLine-G, -L and -W**  
**Fire protection housing of the series UF, AF**

**Example:** Expansion with modules (mounted) on EDF mounting frame in the TwinLine-G wall-mounted cabinet



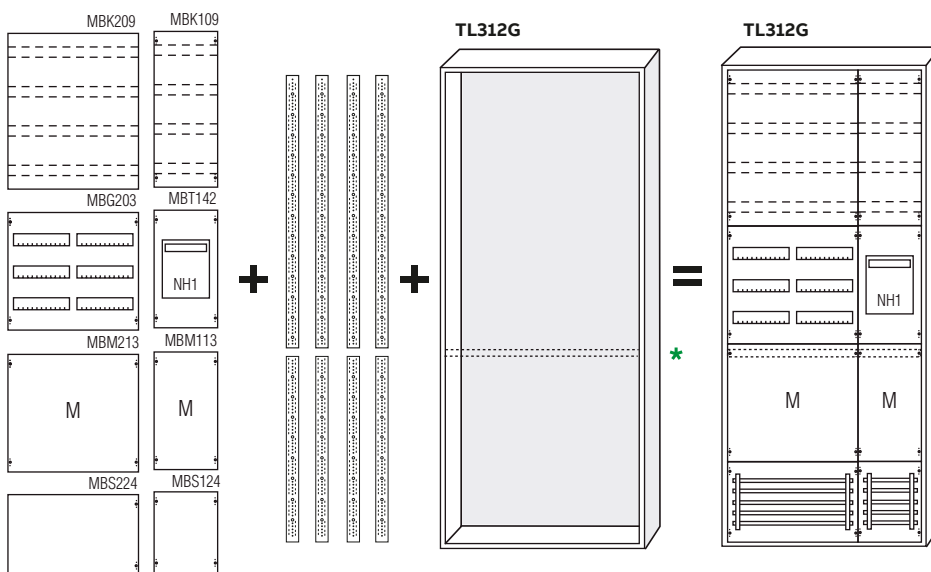
Delivery form  
 Modules are delivered ex works assembled on the EDF mounting frame (installed in the cabinet).

Modules (mounted) + EDF mounting frame + empty cabinet = wall-mounted distributor

**Standalone cabinets of the series TwinLine-H as well as TwinLine-G, -L and -W**

**Series switching cabinets of the series TriLine<sup>®</sup>, pro E power system/fire protection housing of the series SF**

**Example:** Expansion with modules (unassembled as a kit) and EDF mounting frame in the TwinLine-L standalone cabinet



Delivery form  
 Kits, EDF profiles, copper rails and empty cabinet are each delivered packaged individually.

+ 5 pcs. ZX1001 copper rail + 5 pcs. ZX1002 copper rail

Modules (kit) + EDF mounting frame + empty cabinet = standalone distributor

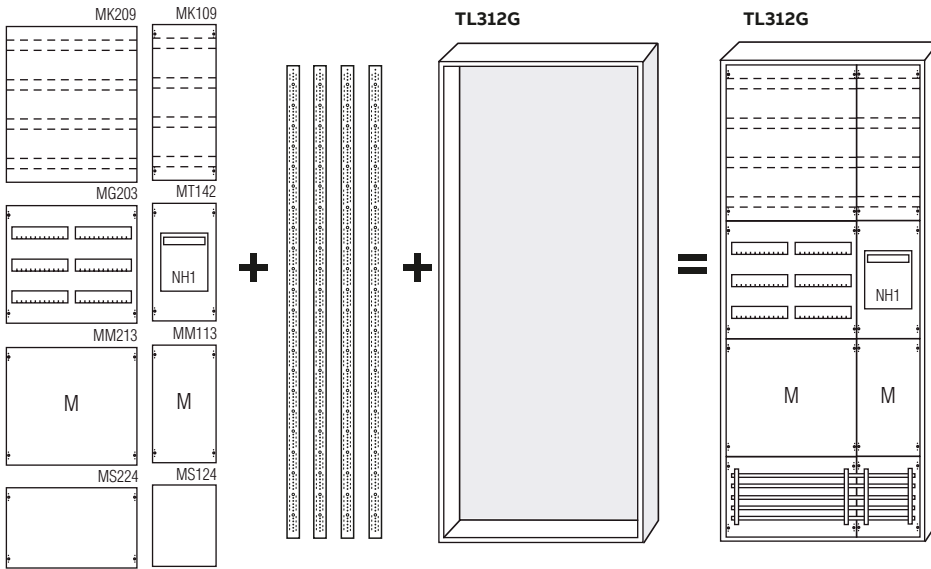
\* The EDF mounting frame may not exceed a maximum height of 1350 mm (installation height 5) at once. For structural reasons in standalone cabinets (prepared for EDF mounting frame), that is why a central supporting rail is mounted ex works, which can be moved up and down in the grid 150 mm.

# Interior expansion system CombiLine N

Possible applications with WR mounting frame

**Standalone cabinets of the series TwinLine/series switching cabinets of the series TriLine®, System pro E power**

**Example:** Expansion with modules (mounted) on WR mounting frame in the TwinLine- L standalone cabinet



+ 5 pcs. ZXM1003 copper rail

Modules (mounted) + WR mounting frame + empty cabinet = standalone distributor

Delivery form  
 Modules are delivered ex works  
 assembled on the WR mounting  
 frame and installed in the cabinet.

## Interior expansion system CombiLine N

### The three delivery forms

The interior expansion of modular cabinet series can be effortlessly mastered with the perfectly sophisticated quick-assembly system from ABB STRIEBEL & JOHN. Easy, quick and safe – these are the system's three product properties that speak for themselves. You choose which delivery form is right for you: Choose the complete delivery if you would like to have the modules installed in the empty cabinet ex works, the kit with instructions for assembly in order to set up the modules yourself on the mounting frame or the delivery with individual parts.

#### Complete delivery

The module system panel is completely assembled on the mounting frame with all modules and is delivered installed in the distributor cabinet. The mounting frame must be ordered separately.

**Advantage:** From the list of CombiLine N modules, you choose the modules that are tailored to your object, thereby getting the correct low-voltage distribution in the easiest way. The module control panel you have thus planned is delivered installed in the cabinet ex works. This way you do not have to spend time looking for system accessories, such as angle brackets, screws or retaining elements. All you need to do is choose the appropriate mounting frame. Our selection StriePlan can take care of this if desired.

#### Delivery as a kit

All of the individual parts required to assemble a module are delivered individually packaged as a kit with instructions for assembly. All you need to do is choose the appropriate mounting frame. The mounting frame must be ordered separately. Our software StriePlan will take care of choosing the mounting frame if desired.

**Advantage:** The kits allow you to be flexible when it comes to warehousing. You do not have to spend time looking for system accessories, such as angle brackets, screws or retaining elements. The enclosed instructions make assembly a breeze. Software support from StriePlan makes planning and calculation perfectly quick and clear.

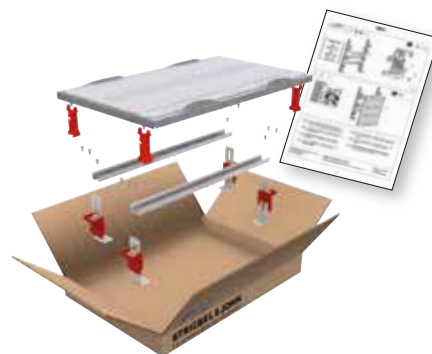
#### Delivery in individual parts

The desired expansion parts are purchased individually in order to set up, expand or convert a module on your own.

**Advantage:** With a manageable number of individual parts, if necessary you can remain quick and flexible when it comes to setting up, expanding or converting distribution.



Complete delivery



Delivery as a kit



Delivery in individual parts

## Interior expansion system CombiLine N

### Technical specifications

Standards/provisions	
DIN EN 61439-1/-2/-3 (VDE 0660-600-1/-2/-3)*1	X
DIN 43880 (rail-mounted devices)	X
Protection class	IP2XC

Electrical characteristics			
Rated impulse withstand voltage ( $U_{imp}$ )	6 kV		
Overvoltage category	III		
Degree of contamination	3		
Protection class	I/II		
Rated current of the switchgear combination ( $I_{nA}$ )	bis 850 A		
	Rail-mounted devices DIN 43880	NH-fuse switch disconnecter	Busbar systems
Rated impulse withstand voltage ( $I_{pk}$ )	25 kA	to 52 kA	to 74 kA
Rated short-time withstand current ( $I_{cw}$ )	12.5 kA	to 25 kA	to 35 kA
	-	Values by request	see the chapter Busbar systems
Rated frequency (f)	50 Hz		
Rated insulation voltage (U)	690 V AC		
Rated operating voltage ( $U_o$ )	400 V AC		

\*1 The permissible heating for switchgear combinations (SK) up to 630 A rated current can be verified using the procedure according to 10.10.4.2. The required power dissipation capacities can be found in the tables of the respective cabinet series. Above 630 A rated current, the procedure according to 10.10.4.3 (DIN EN 61439-1 supplementary sheet 2, DIN VDE 0660-600-1 supplementary sheet 2) must be applied

## Interior expansion system CombiLine N

Rail-mounted devices row spacing 125 mm/150 mm



MG303



MG433

- Expansion with DIN rails 35 x 15 mm
- DIN rails with field width 3 and over, with additional stabilization rail
- For installation devices according to DIN 43880
- The mounting frame must be ordered separately

Height RE	Width						From cabinet depth mm	Kit not installed		Mounted and installed in the cabinet	
	mm	FB	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>		Type	Order code	Type	Order code
<b>Row spacing 125 mm</b>											
1	150	1	250	12	●	●	120	MBG101	2CPX041650R9999	MG101	2CPX041200R9999
		2	500	24	●	●	120	MBG201	2CPX041651R9999	MG201	2CPX041201R9999
		3	750	36	●	●	120	MBG301	2CPX041652R9999	MG301	2CPX041202R9999
2	300	1	250	24	●	●	120	MBG102	2CPX041653R9999	MG102	2CPX041203R9999
		2	500	48	●	●	120	MBG202	2CPX041655R9999	MG202	2CPX041205R9999
		3	750	72	●	●	120	MBG302	2CPX041657R9999	MG302	2CPX041207R9999
3	450	1	250	36	●	●	120	MBG103	2CPX041659R9999	MG103	2CPX041209R9999
		2	500	72	●	●	120	MBG203	2CPX041661R9999	MG203	2CPX041211R9999
		3	750	108	●	●	120	MBG303	2CPX041663R9999	MG303	2CPX041213R9999
4	600	1	250	48	●	●	120	MBG104	2CPX041665R9999	MG104	2CPX041215R9999
		2	500	96	●	●	120	MBG204	2CPX041667R9999	MG204	2CPX041217R9999
		3	750	144	●	●	120	MBG304	2CPX041669R9999	MG304	2CPX041219R9999
5	750	1	250	60	●	●	120	MBG105	2CPX041671R9999	MG105	2CPX041221R9999
		2	500	120	●	●	120	MBG205	2CPX041673R9999	MG205	2CPX041223R9999
		3	750	180	●	●	120	MBG305	2CPX041675R9999	MG305	2CPX041225R9999
<b>Row spacing 150 mm</b>											
1	150	1	250	12	●	●	120	MBG101	2CPX041650R9999	MG101	2CPX041200R9999
		2	500	24	●	●	120	MBG201	2CPX041651R9999	MG201	2CPX041201R9999
		3	750	36	●	●	120	MBG301	2CPX041652R9999	MG301	2CPX041202R9999
2	300	1	250	24	●	●	120	MBG412	2CPX041654R9999	MG412	2CPX041204R9999
		2	500	48	●	●	120	MBG422	2CPX041656R9999	MG422	2CPX041206R9999
		3	750	72	●	●	120	MBG432	2CPX041658R9999	MG432	2CPX041208R9999
3	450	1	250	36	●	●	120	MBG413	2CPX041660R9999	MG413	2CPX041210R9999
		2	500	72	●	●	120	MBG423	2CPX041662R9999	MG423	2CPX041212R9999
		3	750	108	●	●	120	MBG433	2CPX041664R9999	MG433	2CPX041214R9999
4	600	1	250	48	●	●	120	MBG414	2CPX041666R9999	MG414	2CPX041216R9999
		2	500	96	●	●	120	MBG424	2CPX041668R9999	MG424	2CPX041218R9999
		3	750	144	●	●	120	MBG434	2CPX041670R9999	MG434	2CPX041220R9999
5	750	1	250	60	●	●	120	MBG415	2CPX041672R9999	MG415	2CPX041222R9999
		2	500	120	●	●	120	MBG425	2CPX041674R9999	MG425	2CPX041224R9999
		3	750	180	●	●	120	MBG435	2CPX041676R9999	MG435	2CPX041226R9999

\*1Expansion on EDF mounting frame | \*2Expansion on WR mounting frame



## Interior expansion system CombiLine N

### Touch protection



MB218

- Module as touch protection or to expand with system parts
- The mounting frame must be ordered separately

Height		Width						Kit not installed		Mounted and installed in the cabinet	
RE	mm	FB	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	From cabinet depth mm	Type	Order code	Type	Order code
1	150	1	250	12	●	●	120	MBB116	2CPX041722R9999	MB116	2CPX041257R9999
		2	500	24	●	●	120	MBB216	2CPX041723R9999	MB216	2CPX041258R9999
		3	750	36	●	●	120	MBB316	2CPX041724R9999	MB316	2CPX041259R9999
2	300	1	250	24	●	●	120	MBB117	2CPX041725R9999	MB117	2CPX041260R9999
		2	500	48	●	●	120	MBB217	2CPX041726R9999	MB217	2CPX041261R9999
		3	750	72	●	●	120	MBB317	2CPX041727R9999	MB317	2CPX041262R9999
3	450	1	250	36	●	●	120	MBB118	2CPX041728R9999	MB118	2CPX041263R9999
		2	500	72	●	●	120	MBB218	2CPX041729R9999	MB218	2CPX041264R9999
		3	750	108	●	●	120	MBB318	2CPX041730R9999	MB318	2CPX041265R9999
4	600	1	250	48	●	●	120	MBB119	2CPX041731R9999	MB119	2CPX041266R9999
		2	500	96	●	●	120	MBB219	2CPX041732R9999	MB219	2CPX041267R9999
		3	750	144	●	●	120	MBB319	2CPX041733R9999	MB319	2CPX041268R9999
5	750	1	250	60	●	●	120	MBB120	2CPX041734R9999	MB120	2CPX041269R9999
		2	500	120	●	●	120	MBB220	2CPX041735R9999	MB220	2CPX041270R9999
		3	750	180	●	●	120	MBB320	2CPX041736R9999	MB320	2CPX041271R9999



MB200

- Touch protection cover, including cover bracket
- Covers are not in the 150 mm grid
- 2 pieces must always be used per module control panel in order to get back to a grid unit
- The mounting frame must be ordered separately

Height		Width						Kit not installed		Mounted and installed in the cabinet	
RE	mm	FB	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	From cabinet depth mm	Type	Order code	Type	Order code
0.5	75	1	250	6	●	●	120	MBB100	2CPX041427R9999	MB100	2CPX041422R9999
		2	500	12	●	●	120	MBB200	2CPX041428R9999	MB200	2CPX041423R9999

\*1 Expansion on EDF mounting frame | \*2 Expansion on WR mounting frame

## Interior expansion system CombiLine N

### Mounting plates



MM213

- Mounting plates made of sheet steel, 2 mm
- Mounting plates that are variably adjustable in depth via the deep angle piece ZW59P2
- Usable depth from 103 mm to 158 mm
- Usable width for equipment: 1-field width 188 mm, 2-field width 438 mm, 3-field width 688 mm
- The mounting frame must be ordered separately

Height RE	Width		From cabinet depth				Kit not installed		Mounted and installed in the cabinet		
	mm	FB	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type	Order code
1	150	1	250	12	●	●	200	MBM111	2CPX041707R9999	MM111	2CPX041242R9999
		2	500	24	●	●	200	MBM211	2CPX041708R9999	MM211	2CPX041243R9999
		3	750	36	●	●	200	MBM311	2CPX041709R9999	MM311	2CPX041244R9999
2	300	1	250	24	●	●	200	MBM112	2CPX041710R9999	MM112	2CPX041245R9999
		2	500	48	●	●	200	MBM212	2CPX041711R9999	MM212	2CPX041246R9999
		3	750	72	●	●	200	MBM312	2CPX041712R9999	MM312	2CPX041247R9999
3	450	1	250	36	●	●	200	MBM113	2CPX041713R9999	MM113	2CPX041248R9999
		2	500	72	●	●	200	MBM213	2CPX041714R9999	MM213	2CPX041249R9999
		3	750	108	●	●	200	MBM313	2CPX041715R9999	MM313	2CPX041250R9999
4	600	1	250	48	●	●	200	MBM114	2CPX041716R9999	MM114	2CPX041251R9999
		2	500	96	●	●	200	MBM214	2CPX041717R9999	MM214	2CPX041252R9999
		3	750	144	●	●	200	MBM314	2CPX041718R9999	MM314	2CPX041253R9999
5	750	1	250	60	●	●	200	MBM115	2CPX041719R9999	MM115	2CPX041254R9999
		2	500	120	●	●	200	MBM215	2CPX041720R9999	MM215	2CPX041255R9999
		3	750	180	●	●	200	MBM315	2CPX041721R9999	MM315	2CPX041256R9999



MM113K

- Mounting plates made of sheet steel, 2 mm
- Mounting plate firmly attached
- Usable depth of 82 mm
- Usable width for equipment: 1-field width 200 mm
- The mounting frame must be ordered separately

Height RE	Width		From cabinet depth				Kit not installed		Mounted and installed in the cabinet		
	mm	FB	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type	Order code
2	300	1	250	24	●	●	120	MBM112K	2CPX041640R9999	MM112K	2CPX041117R9999
3	450	1	250	36	●	●	120	MBM113K	2CPX041641R9999	MM113K	2CPX041118R9999
4	600	1	250	48	●	●	120	MBM114K	2CPX041642R9999	MM114K	2CPX041119R9999

\*1 Expansion on EDF mounting frame | \*2 Expansion on WR mounting frame

## Interior expansion system CombiLine N

### Horizontal terminal blocks



MK208

- With horizontally-arranged DIN rails 35 x 15 mm
- DIN rails variably-adjustable in depth
- Usable depth for ZW39P2 from 68 mm to 115 mm
- Usable depth for ZW59P2 from 90 mm to 145 mm
- Usable width for terminal blocks: 1-field width 188 mm, 2-field width 438 mm, 3-field width 688 mm
- Tiered delivery state
- Row spacing 150 mm (can be moved when it is needed)
- For grounded and insulated setup  $\perp$
- The mounting frame must be ordered separately
- **Note:** The upper DIN rail is attached with at least a shorter deep angle piece (ZW39P2)
- **Modules setup:**
  - 1 row: 1 X ZW39P2
  - 2 rows: 1 X ZW39P2, 1 X ZW59P2
  - 3 rows: 2 X ZW39P2, 1 X ZW59P2
  - 4 rows: 2 X ZW39P2, 2 X ZW59P2
  - 5 rows: 2 X ZW39P2, 3 X ZW59P2

Height RE	Width		PLE	EDF*1	WR*2	From cabinet depth mm	Kit not installed		Mounted and installed in the cabinet		
	mm	FB mm					Type	Order code	Type	Order code	
1	150	1	250	12	●	●	200	MBK106	2CPX041677R9999	MK106	2CPX041227R9999
		2	500	24	●	●	200	MBK206	2CPX041679R9999	MK206	2CPX041228R9999
		3	750	36	●	●	200	MBK306	2CPX041681R9999	MK306	2CPX041229R9999
2	300	1	250	24	●	●	200	MBK107	2CPX041683R9999	MK107	2CPX041230R9999
		2	500	48	●	●	200	MBK207	2CPX041685R9999	MK207	2CPX041231R9999
		3	750	72	●	●	200	MBK307	2CPX041687R9999	MK307	2CPX041232R9999
3	450	1	250	36	●	●	200	MBK108	2CPX041689R9999	MK108	2CPX041233R9999
		2	500	72	●	●	200	MBK208	2CPX041691R9999	MK208	2CPX041234R9999
		3	750	108	●	●	200	MBK308	2CPX041693R9999	MK308	2CPX041235R9999
4	600	1	250	48	●	●	200	MBK109	2CPX041695R9999	MK109	2CPX041236R9999
		2	500	96	●	●	200	MBK209	2CPX041697R9999	MK209	2CPX041237R9999
		3	750	144	●	●	200	MBK309	2CPX041699R9999	MK309	2CPX041238R9999
5	750	1	250	60	●	●	200	MBK110	2CPX041701R9999	MK110	2CPX041239R9999
		2	500	120	●	●	200	MBK210	2CPX041703R9999	MK210	2CPX041240R9999
		3	750	180	●	●	200	MBK310	2CPX041705R9999	MK310	2CPX041241R9999

## Interior expansion system CombiLine N

### Horizontal / vertical terminal blocks



MK108K

- With horizontally-arranged DIN rails 35 x 7.5 mm
- DIN rails firmly attached via insulator piece ZK90P2
- Usable depth of 51 mm
- Usable width for terminal blocks: 1-field width 214 mm, 2-field width 464 mm
- Tiered delivery state
- Row spacing 150 mm (can be moved when it is needed)
- For insulated setup ☐
- The mounting frame must be ordered separately

Height	Width						From cabinet depth	Kit not installed		Mounted and installed in the cabinet	
	RE	mm	FB	mm	PLE	EDF* <sup>1</sup>		WR* <sup>2</sup>	Type	Order code	Type
1	150	1	250	12	●	●	120	MBK106K	2CPX041632R9999	MK106K	2CPX041112R9999
		2	500	24	●	●	120	MBK206K	2CPX041633R9999	MK206K	2CPX041113R9999
2	300	1	250	24	●	●	120	MBK107K	2CPX041634R9999	MK107K	2CPX041114R9999
		2	500	48	●	●	120	MBK207K	2CPX041635R9999	MK207K	2CPX041115R9999
3	450	1	250	36	●	●	120	MBK108K	2CPX041636R9999	MK108K	2CPX041116R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MK213

- With vertically-arranged DIN rails 35 x 15 mm
- DIN rails that are variably adjustable in depth via the deep angle piece ZW39P2
- Usable depth from 66 mm to 113 mm
- Usable height for terminal blocks: 2 RE 244 mm, 3 RE 438 mm, 4 RE 591 mm
- For grounded and insulated setup ⊥
- The mounting frame must be ordered separately

Height	Width						From cabinet depth	Kit not installed		Mounted and installed in the cabinet	
	RE	mm	FB	mm	PLE	EDF* <sup>1</sup>		WR* <sup>2</sup>	Type	Order code	Type
2	300	1	250	24	●	●	200	MBK112	2CPX041837R9999	MK112	2CPX041127R9999
		2	500	48	●	●	200	MBK212	2CPX041838R9999	MK212	2CPX041128R9999
		3	750	72	●	●	200	MBK312	2CPX041839R9999	MK312	2CPX041129R9999
3	450	1	250	36	●	●	200	MBK113	2CPX041840R9999	MK113	2CPX041130R9999
		2	500	72	●	●	200	MBK213	2CPX041841R9999	MK213	2CPX041131R9999
		3	750	108	●	●	200	MBK313	2CPX041842R9999	MK313	2CPX041132R9999
4	600	1	250	48	●	●	200	MBK114	2CPX041843R9999	MK114	2CPX041133R9999
		2	500	96	●	●	200	MBK214	2CPX041844R9999	MK214	2CPX041134R9999
		3	750	144	●	●	200	MBK314	2CPX041845R9999	MK314	2CPX041135R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame

## Interior expansion system CombiLine N

Busbar system 40 mm, horizontal, M(B)S...24



MS324

- Busbar center distance 40 mm
- For maximum 5-pole busbars, see below
- With busbar bracket type ZB5
- With end cover type ZX172
- Additionally braced in the middle from 3-field width
- Rated current ( $I_n$ ) max. 360 A
- **Important:** note the possibility to combine modules with the TwinLine cabinet row mountings
- The mounting frame must be ordered separately

Height RE	Width		PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	From cabinet depth mm	Kit not installed		Mounted and installed in the cabinet		
	mm	FB					Type	Order code	Type	Order code	
2	300	1	250	24	●	●	200* <sup>1</sup>	MBS124	2CPX041737R9999	MS124	2CPX041272R9999
		2	500	48	●	●	200* <sup>1</sup>	MBS224	2CPX041738R9999	MS224	2CPX041273R9999
		3	750	72	●	●	225* <sup>1</sup>	MBS324	2CPX041739R9999	MS324	2CPX041274R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



ZX2015

- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- A maximum of 5 copper rails are required per module

Copper rail mm	$I_n$ A	Width		Unit	Kit not installed		Mounted and installed in the cabinet	
		FB	mm		Type	Order code	Type	Order code
12 x 5	250	1	181	1	ZX2001	2CPX042200R9999	ZXM2001	2CPX042300R9999
		2	431	1	ZX2002	2CPX042201R9999	ZXM2002	2CPX042301R9999
		3	681	1	ZX2003	2CPX042202R9999	ZXM2003	2CPX042302R9999
		4	931	1	ZX2004	2CPX042203R9999	ZXM2004	2CPX042303R9999
		5	1181	1	ZX2005	2CPX042204R9999	ZXM2005	2CPX042304R9999
		6	1431	1	ZX2006	2CPX042792R9999	ZXM2006	2CPX042814R9999
12 x 10	360	1	181	1	ZX2007	2CPX042205R9999	ZXM2007	2CPX042305R9999
		2	431	1	ZX2008	2CPX042206R9999	ZXM2008	2CPX042306R9999
		3	681	1	ZX2009	2CPX042207R9999	ZXM2009	2CPX042307R9999
		4	931	1	ZX2010	2CPX042208R9999	ZXM2010	2CPX042308R9999
		5	1181	1	ZX2011	2CPX042209R9999	ZXM2011	2CPX042309R9999
		6	1431	1	ZX2012	2CPX042793R9999	ZXM2012	2CPX042815R9999
20 x 5	320	1	181	1	ZX2013	2CPX042210R9999	ZXM2013	2CPX042310R9999
		2	431	1	ZX2014	2CPX042211R9999	ZXM2014	2CPX042311R9999
		3	681	1	ZX2015	2CPX042212R9999	ZXM2015	2CPX042312R9999
		4	931	1	ZX2016	2CPX042213R9999	ZXM2016	2CPX042313R9999
		5	1181	1	ZX2017	2CPX042214R9999	ZXM2017	2CPX042314R9999
		6	1431	1	ZX2018	2CPX042794R9999	ZXM2018	2CPX042816R9999

## Interior expansion system CombiLine N

Busbar system 60 mm, horizontal, M(B)S...27



MS327

- Busbar center distance 60 mm
- For 3-pole busbars, see below
- With busbar bracket type ZX151
- Additionally braced in the middle from 3-field width
- Rated current ( $I_n$ ) max. 630 A
- **Important:** note the possibility to combine modules with the TwinLine cabinet row mountings
- The mounting frame must be ordered separately

Height RE	Width		From cabinet depth				Kit not installed		Mounted and installed in the cabinet		
	mm	FB	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type	Order code
2	300	1	250	24	●	●	215* <sup>1</sup>	MBS127	2CPX041740R9999	MS127	2CPX041275R9999
		2	500	48	●	●	215* <sup>1</sup>	MBS227	2CPX041741R9999	MS227	2CPX041276R9999
		3	750	72	●	●	225* <sup>1</sup>	MBS327	2CPX041742R9999	MS327	2CPX041277R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



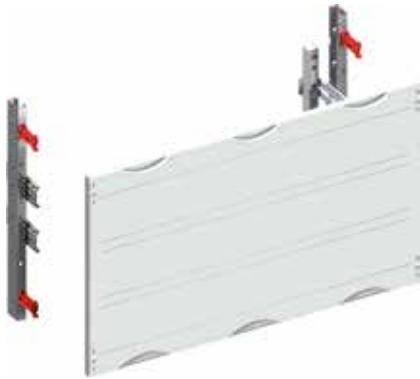
ZX2027

- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- 3 copper rails are required per module

Copper rail mm	$I_n$ A	Width		Unit	Kit not installed		Mounted and installed in the cabinet	
		FB	mm		Type	Order code	Type	Order code
30 x 5	440	1	184	1	ZX2019	2CPX042215R9999	ZXM2019	2CPX042315R9999
		2	434	1	ZX2020	2CPX042216R9999	ZXM2020	2CPX042316R9999
		3	684	1	ZX2021	2CPX042217R9999	ZXM2021	2CPX042317R9999
		4	934	1	ZX2022	2CPX042218R9999	ZXM2022	2CPX042318R9999
		5	1184	1	ZX2023	2CPX042219R9999	ZXM2023	2CPX042319R9999
		6	1434	1	ZX2024	2CPX042795R9999	ZXM2024	2CPX042817R9999
30 x 10	630	1	184	1	ZX2025	2CPX042220R9999	ZXM2025	2CPX042320R9999
		2	434	1	ZX2026	2CPX042221R9999	ZXM2026	2CPX042321R9999
		3	684	1	ZX2027	2CPX042222R9999	ZXM2027	2CPX042322R9999
		4	934	1	ZX2028	2CPX042223R9999	ZXM2028	2CPX042323R9999
		5	1184	1	ZX2029	2CPX042224R9999	ZXM2029	2CPX042324R9999
		6	1434	1	ZX2030	2CPX042796R9999	ZXM2030	2CPX042818R9999

## Interior expansion system CombiLine N

Busbar system 100 mm, horizontal, M(B)S...31



MS331

- Busbar center distance 100 mm
- For 3-pole busbars, see below
- With busbar bracket type ZX520
- Rated current ( $I_n$ ) 850 A
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width						From cabinet depth	Kit not installed		Mounted and installed in the cabinet	
	RE	mm	FB	mm	PLE	EDF* <sup>1</sup>		WR* <sup>2</sup>	mm	Type	Order code
3	450	1	250	36	●	275	MBS131	2CPX041743R9999	MS131	2CPX041278R9999	
		2	500	72	●	275	MBS231	2CPX041744R9999	MS231	2CPX041279R9999	
		3	750	108	●	275	MBS331	2CPX041745R9999	MS331	2CPX041280R9999	

\*<sup>1</sup> Expansion on EDF mounting frame | \*<sup>2</sup> Expansion on WR mounting frame



ZX2033

- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- 3 copper rails are required per module

Copper rail	$I_n$	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		FB	mm			Type	Order code	Type	Order code
40 x 10	850	1	184		1	ZX2031	2CPX042225R9999	ZXM2031	2CPX042325R9999
		2	434		1	ZX2032	2CPX042226R9999	ZXM2032	2CPX042326R9999
		3	684		1	ZX2033	2CPX042227R9999	ZXM2033	2CPX042327R9999
		4	934		1	ZX2034	2CPX042228R9999	ZXM2034	2CPX042328R9999
		5	1184		1	ZX2035	2CPX042229R9999	ZXM2035	2CPX042329R9999
		6	1434		1	ZX2036	2CPX042797R9999	ZXM2036	2CPX042819R9999

## Interior expansion system CombiLine N

Busbar system, vertical, M(B)S...28, MBW250A



MS128

- With 4-pole busbars 30 x 5 mm, bores with M6 thread as well as connection with M8 press-in nuts for access
- With busbar bracket type ZX518
- Rated current ( $I_n$ ) 440 A
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height		Width						From cabinet depth	Kit not installed		Mounted and installed in the cabinet	
Re	mm	FB	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type	Order code	
2	300	1	250	24	●	●	200	MBS128	2CPX041648R9999	MS128	2CPX041123R9999	
3	450	2	500	72	●	●	200	MBS228	2CPX041649R9999	MS228	2CPX041124R9999	

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MBW250A

- With 3-pole busbars 30 x 5 mm and removable transformer supports
- With busbar bracket ZX146
- With deep angle piece ZW59P2
- With bus-mounting fuse socket E27, width 42 mm, 3-pole
- With cover with transparent panel
- Rated current ( $I_n$ ) 250 A
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height		Width						From cabinet depth	Kit not installed		Mounted and installed in the cabinet	
Re	mm	FB	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type	Order code	
3	450	1	250	36	●	●	215	MBW250A	2CPX042102R9999	-	-	

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



## Interior expansion system CombiLine N

N/PE busbar system, horizontal, M(B)N...69



MN369

- For 2-pole busbars, see below
- With busbar bracket type ZX518
- Additionally braced in the middle from 3-field width
- Rated current ( $I_n$ ) max. 320 A
- The mounting frame must be ordered separately

Height		Width						Kit not installed		Mounted and installed in the cabinet	
RE	mm	FB	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	From cabinet depth mm	Type	Order code	Type	Order code
1	150	1	250	12	●	●	200	MBN169	2CPX041424R9999	MN169	2CPX041419R9999
		2	500	24	●	●	200	MBN269	2CPX041425R9999	MN269	2CPX041420R9999
		3	750	36	●	●	200	MBN369	2CPX041426R9999	MN369	2CPX041421R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



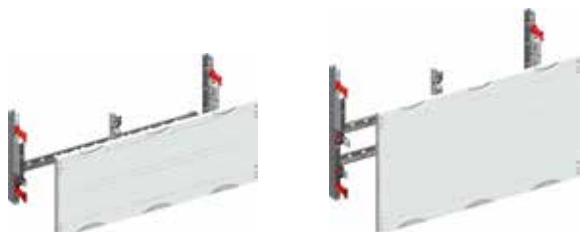
ZX2066

- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- 2 copper rails are required per module

Copper rail		Width						Kit not installed		Mounted and installed in the cabinet	
mm	$I_n$ A	FB	mm			Unit	Type	Order code	Type	Order code	
12 x 5	250	1	204			1	ZX2046	2CPX042538R9999	ZXM2046	2CPX042458R9999	
		2	454			1	ZX2047	2CPX042539R9999	ZXM2047	2CPX042459R9999	
		3	704			1	ZX2048	2CPX042540R9999	ZXM2048	2CPX042460R9999	
		4	954			1	ZX2049	2CPX042541R9999	ZXM2049	2CPX042461R9999	
		5	1204			1	ZX2050	2CPX042542R9999	ZXM2050	2CPX042462R9999	
		6	1454			1	ZX2051	2CPX042798R9999	ZXM2051	2CPX042820R9999	
20 x 5	320	1	204			1	ZX2064	2CPX042553R9999	ZXM2064	2CPX042473R9999	
		2	454			1	ZX2065	2CPX042554R9999	ZXM2065	2CPX042474R9999	
		3	704			1	ZX2066	2CPX042555R9999	ZXM2066	2CPX042475R9999	
		4	954			1	ZX2067	2CPX042556R9999	ZXM2067	2CPX042476R9999	
		5	1204			1	ZX2068	2CPX042557R9999	ZXM2068	2CPX042477R9999	
		6	1454			1	ZX2069	2CPX042799R9999	ZXM2069	2CPX042821R9999	

## Interior expansion system CombiLine N

N/PE busbar system and terminal blocks, M(B)N...74+75



MN374

MN375

- For 2-pole busbars, see below
- With busbar bracket type ZX518
- With end cover type ZX519
- Additionally braced in the middle from 3-field width
- DIN rail that is variably adjustable in depth via the deep angle piece ZW59P2
- Usable depth from 90 mm to 145 mm
- Usable width for terminal blocks: 1-field width 188 mm, 2-field width 438 mm, 3-field width 688 mm
- Rated current ( $I_n$ ) max. 440 A
- **Important:** note the possibility to combine modules with the TwinLine cabinet row mountings
- The mounting frame must be ordered separately

With one additional DIN rail for terminal blocks

Height	Width						From cabinet depth	Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	PLE	EDF* <sup>1</sup>		WR* <sup>2</sup>	mm	Type	Order code	Type
2	300	1	250	24	●	●	200	MBN174	2CPX041746R9999	MN174	2CPX041281R9999	
		2	500	48	●	●	200	MBN274	2CPX041748R9999	MN274	2CPX041282R9999	
		3	750	72	●	●	200	MBN374	2CPX041750R9999	MN374	2CPX041283R9999	
With <u>two</u> additional DIN rails for terminal blocks												
3	450	1	250	36	●	●	200	MBN175	2CPX041752R9999	MN175	2CPX041284R9999	
		2	500	72	●	●	200	MBN275	2CPX041754R9999	MN275	2CPX041285R9999	
		3	750	108	●	●	200	MBN375	2CPX041756R9999	MN375	2CPX041286R9999	

\*1 Expansion on EDF mounting frame | \*2 Expansion on WR mounting frame



ZX1015

- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- 2 copper rails are required per module

Copper rail	$I_n$	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	A	FB		mm	Type	Order code	Type
12 x 5	250	1	246		1	ZX1001	2CPX041870R9999	ZXM1001	2CPX041480R9999
		2	496		1	ZX1002	2CPX041871R9999	ZXM1002	2CPX041481R9999
		3	746		1	ZX1003	2CPX041872R9999	ZXM1003	2CPX041482R9999
		4	996		1	ZX1004	2CPX041873R9999	ZXM1004	2CPX041483R9999
		5	1246		1	ZX1005	2CPX041874R9999	ZXM1005	2CPX041484R9999
		6	1496		1	ZX1006	2CPX042800R9999	ZXM1006	2CPX042822R9999
20 x 5	320	1	246		1	ZX1013	2CPX041882R9999	ZXM1013	2CPX041492R9999
		2	496		1	ZX1014	2CPX041883R9999	ZXM1014	2CPX041493R9999
		3	746		1	ZX1015	2CPX041884R9999	ZXM1015	2CPX041494R9999
		4	996		1	ZX1016	2CPX041885R9999	ZXM1016	2CPX041495R9999
		5	1246		1	ZX1017	2CPX041886R9999	ZXM1017	2CPX041496R9999
		6	1496		1	ZX1018	2CPX042801R9999	ZXM1018	2CPX042823R9999
30 x 5	440	1	246		1	ZX1019	2CPX041888R9999	ZXM1019	2CPX041498R9999
		2	496		1	ZX1020	2CPX041889R9999	ZXM1020	2CPX041499R9999
		3	746		1	ZX1021	2CPX041890R9999	ZXM1021	2CPX041500R9999
		4	996		1	ZX1022	2CPX041891R9999	ZXM1022	2CPX041501R9999
		5	1246		1	ZX1023	2CPX041892R9999	ZXM1023	2CPX041502R9999
		6	1496		1	ZX1024	2CPX042802R9999	ZXM1024	2CPX042824R9999

## Interior expansion system CombiLine N

N/PE busbar system and terminal blocks, M(B)N...62+63



- For 2-pole busbars, see below
- With busbar bracket type ZX149
- Additionally braced in the middle from 3-field width
- DIN rail that is variably adjustable in depth via the deep angle piece ZW59P2
- Usable depth from 90 mm to 145 mm
- Usable width for terminal blocks: 1-field width 188 mm, 2-field width 438 mm, 3-field width 688 mm
- Rated current ( $I_n$ ) 630 A
- **Important:** note the possibility to combine modules with the TwinLine cabinet row mountings
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

**With one additional DIN rail for terminal blocks**

Height RE	Width				EDF*1	WR*2	From cabinet depth mm	Kit not installed		Mounted and installed in the cabinet	
	mm	FB	mm	PLE				Type	Order code	Type	Order code
2	300	1	250	24	●	275	MBN162	2CPX041758R9999	MN162	2CPX041287R9999	
		2	500	48	●	275	MBN262	2CPX041760R9999	MN262	2CPX041288R9999	
		3	750	72	●	275	MBN362	2CPX041762R9999	MN362	2CPX041289R9999	

**With two additional DIN rails for terminal blocks**

3	450	1	250	36	●	275	MBN163	2CPX041764R9999	MN163	2CPX041290R9999
		2	500	72	●	275	MBN263	2CPX041766R9999	MN263	2CPX041291R9999
		3	750	108	●	275	MBN363	2CPX041768R9999	MN363	2CPX041292R9999

\*1 Expansion on EDF mounting frame | \*2 Expansion on WR mounting frame



ZX2084

- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- 2 copper rails are required per module

Copper rail mm	$I_n$ A	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		FB	mm			Type	Order code	Type	Order code
30 x 10	630	1	201		1	ZX2082	2CPX042568R9999	ZXM2082	2CPX042488R9999
		2	451		1	ZX2083	2CPX042569R9999	ZXM2083	2CPX042489R9999
		3	701		1	ZX2084	2CPX042570R9999	ZXM2084	2CPX042490R9999
		4	951		1	ZX2085	2CPX042571R9999	ZXM2085	2CPX042491R9999
		5	1201		1	ZX2086	2CPX042572R9999	ZXM2086	2CPX042492R9999
		6	1451		1	ZX2087	2CPX042803R9999	ZXM2087	2CPX042825R9999

## Interior expansion system CombiLine N

Busbar system 60 mm, horizontal, M(B)R...02(B)



MR302B



MR302

- Busbar center distance 60 mm
- For 3-pole busbars
- 32 mm spacing between copper rail and cover
- With busbar bracket type ZX146
- With end cover ZX172
- Additionally braced in the middle from 3-field width
- Rated current ( $I_n$ ) max. 440 A
- Bus-mounting fuse socket, see below
- **Important:** note the possibility to combine modules with the TwinLine cabinet row mountings
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Populated module for equipment with vertically installed 3-pole bus-mounting fuse socket,  $I_n$  up to max. 250 A

Height	Width		Elements				From cabinet depth		Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	D02	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type	Order code
2	300	1	250	5* <sup>4</sup>	24	●	●	120	-	-	-	MR102B	2CPX041409R9999
		2	500	14* <sup>4</sup>	48	●	●	200	-	-	-	MR202B	2CPX041410R9999
		3	750	24* <sup>4</sup>	72	-	●	225	-	-	-	MR302B	2CPX041411R9999

Unpopulated module for equipment, for vertical installation of bus-mounting fuse sockets, D0 fuse switch disconnectors or NH00 fuse switch disconnectors\*<sup>3</sup>,  $I_n$  up to max. 440 A

Height	Width		Useful width			From cabinet depth		Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type
2	300	1	250	1 x 215* <sup>4</sup>	24	●	●	120* <sup>3</sup>	MBR102	2CPX041825R9999	MR102	2CPX041406R9999
		2	500	1 x 465* <sup>4</sup>	48	●	●	200* <sup>3</sup>	MBR202	2CPX041826R9999	MR202	2CPX041407R9999
		3	750	2 x 320* <sup>4</sup>	72	-	●	225* <sup>3</sup>	MBR302	2CPX041827R9999	MR302	2CPX041408R9999

\*<sup>1</sup> Expansion on EDF mounting frame | \*<sup>2</sup> Expansion on WR mounting frame | \*<sup>3</sup> The cabinet depth depends on the depth dimensions of the equipment (comparison of cabinet views with dimensions of the equipment) | \*<sup>4</sup> The change useable width should be considered in the TwinLine busbar arrangement 166



ZE60



ZE61



ZE62



ZA4P10

Article	Unit	Type	Order code
<b>Neozed bus-mounting fuse socket E18, width 26 mm</b>	1	ZE60	2CPX061045R9999
For gauge ring inserts, 3-pole, with covers and nameplates, with E18 thread, safety fuse max. 63 A	10	ZE60P10	2CPX062400R9999
<b>Diazed bus-mounting fuse socket E27, width 42 mm</b>	1	ZE61	2CPX061046R9999
For gauge ring inserts, 3-pole, with covers and nameplates, with E27 thread, safety fuse max. 25 A			
<b>Diazed bus-mounting fuse socket E33, width 56 mm</b>	1	ZE62	2CPX061047R9999
For gauge ring inserts, 3-pole, with covers and nameplates, with E33 thread, safety fuse max. 63 A			
<b>Shutters instead of bus-mounting fuse socket</b>	10	ZA4P10	2CPX062374R9999
Color similar to RAL 7035, for compliance with the contact protection IPXXC Usable width from 16 mm to 34 mm			

## Interior expansion system CombiLine N

Busbar system 60 mm horizontal, M(B)R...02



ZX1015

- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- 3 copper rails are required per module

Copper rail mm	I <sub>n</sub> A	Width		Unit	Kit not installed		Mounted and installed in the cabinet	
		FB	mm		Type	Order code	Type	Order code
12 x 5	(100)* 250	1	246	1	ZX1001	2CPX041870R9999	ZXM1001	2CPX041480R9999
		2	496	1	ZX1002	2CPX041871R9999	ZXM1002	2CPX041481R9999
		3	746	1	ZX1003	2CPX041872R9999	ZXM1003	2CPX041482R9999
		4	996	1	ZX1004	2CPX041873R9999	ZXM1004	2CPX041483R9999
		5	1246	1	ZX1005	2CPX041874R9999	ZXM1005	2CPX041484R9999
		6	1496	1	ZX1006	2CPX042800R9999	ZXM1006	2CPX042822R9999
20 x 5	(250)* 320	1	246	1	ZX1013	2CPX041882R9999	ZXM1013	2CPX041492R9999
		2	496	1	ZX1014	2CPX041883R9999	ZXM1014	2CPX041493R9999
		3	746	1	ZX1015	2CPX041884R9999	ZXM1015	2CPX041494R9999
		4	996	1	ZX1016	2CPX041885R9999	ZXM1016	2CPX041495R9999
		5	1246	1	ZX1017	2CPX041886R9999	ZXM1017	2CPX041496R9999
		6	1496	1	ZX1018	2CPX042801R9999	ZXM1018	2CPX042823R9999
30 x 5	(250)* 440	1	246	1	ZX1019	2CPX041888R9999	ZXM1019	2CPX041498R9999
		2	496	1	ZX1020	2CPX041889R9999	ZXM1020	2CPX041499R9999
		3	746	1	ZX1021	2CPX041890R9999	ZXM1021	2CPX041500R9999
		4	996	1	ZX1022	2CPX041891R9999	ZXM1022	2CPX041501R9999
		5	1246	1	ZX1023	2CPX041892R9999	ZXM1023	2CPX041502R9999
		6	1496	1	ZX1024	2CPX042802R9999	ZXM1024	2CPX042824R9999

\* For expansion with bus-mounting fuse socket

## Interior expansion system CombiLine N

Busbar system 60 mm horizontal, M(B)R...03



MR303

- Unpopulated for equipment for the vertical installation of D0 and NH fuse switch disconnectors or bus-mounting fuse sockets
- For 3-pole busbars, see below
- Spacing between copper rail and cover:  
For the equipment Efen and K'Electric 68 mm\*<sup>3</sup>,  
Jean Müller and Wöhner 60.5 mm\*<sup>3</sup>
- Cover without cutout, including extension frame
- With busbar bracket type ZX146
- Additionally braced in the middle from 3-field width
- Rated current (I<sub>n</sub>) max. 630 A
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width	Useful width			From cabinet depth				Kit not installed		Mounted and installed in the cabinet	
		RE	mm	FB	mm	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code
3	450	1	250	165	36	-	●	275* <sup>3</sup>	MBR103	2CPX041830R9999	MR103	2CPX041414R9999
		2	500	415	72	-	●	275* <sup>3</sup>	MBR203	2CPX041831R9999	MR203	2CPX041415R9999
		3	750	665	108	-	●	275* <sup>3</sup>	MBR303	2CPX041832R9999	MR303	2CPX041416R9999

\*<sup>1</sup> Expansion on EDF mounting frame | \*<sup>2</sup> Expansion on WR mounting frame | \*<sup>3</sup> The cabinet depth depends on the depth dimensions of the equipment (comparison of cabinet views with dimensions of the equipment)



ZX2060

- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- 3 copper rails are required per module

Copper rail	I <sub>n</sub>	Width		Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	FB		Type	Order code	Type	Order code
12 x 5	250	1	195	1	ZX2040	2CPX042533R9999	ZXM2040	2CPX042453R9999
		2	445	1	ZX2041	2CPX042534R9999	ZXM2041	2CPX042454R9999
		3	695	1	ZX2042	2CPX042535R9999	ZXM2042	2CPX042455R9999
		4	945	1	ZX2043	2CPX042536R9999	ZXM2043	2CPX042456R9999
		5	1195	1	ZX2044	2CPX042537R9999	ZXM2044	2CPX042457R9999
		6	1445	1	ZX2045	2CPX042804R9999	ZXM2045	2CPX042826R9999
12 x 10	360	1	195	1	ZX2052	2CPX042543R9999	ZXM2052	2CPX042463R9999
		2	445	1	ZX2053	2CPX042544R9999	ZXM2053	2CPX042464R9999
		3	695	1	ZX2054	2CPX042545R9999	ZXM2054	2CPX042465R9999
		4	945	1	ZX2055	2CPX042546R9999	ZXM2055	2CPX042466R9999
		5	1195	1	ZX2056	2CPX042547R9999	ZXM2056	2CPX042467R9999
		6	1445	1	ZX2057	2CPX042805R9999	ZXM2057	2CPX042827R9999
20 x 5	320	1	195	1	ZX2058	2CPX042548R9999	ZXM2058	2CPX042468R9999
		2	445	1	ZX2059	2CPX042549R9999	ZXM2059	2CPX042469R9999
		3	695	1	ZX2060	2CPX042550R9999	ZXM2060	2CPX042470R9999
		4	945	1	ZX2061	2CPX042551R9999	ZXM2061	2CPX042471R9999
		5	1195	1	ZX2062	2CPX042552R9999	ZXM2062	2CPX042472R9999
		6	1445	1	ZX2063	2CPX042806R9999	ZXM2063	2CPX042828R9999
30 x 5	440	1	195	1	ZX2070	2CPX042558R9999	ZXM2070	2CPX042478R9999
		2	445	1	ZX2071	2CPX042559R9999	ZXM2071	2CPX042479R9999
		3	695	1	ZX2072	2CPX042560R9999	ZXM2072	2CPX042480R9999
		4	945	1	ZX2073	2CPX042561R9999	ZXM2073	2CPX042481R9999
		5	1195	1	ZX2074	2CPX042562R9999	ZXM2074	2CPX042482R9999
		6	1445	1	ZX2075	2CPX042807R9999	ZXM2075	2CPX042829R9999
30 x 10	630	1	195	1	ZX2076	2CPX042563R9999	ZXM2076	2CPX042483R9999
		2	445	1	ZX2077	2CPX042564R9999	ZXM2077	2CPX042484R9999
		3	695	1	ZX2078	2CPX042565R9999	ZXM2078	2CPX042485R9999
		4	945	1	ZX2079	2CPX042566R9999	ZXM2079	2CPX042486R9999
		5	1195	1	ZX2080	2CPX042567R9999	ZXM2080	2CPX042487R9999
		6	1445	1	ZX2081	2CPX042808R9999	ZXM2081	2CPX042830R9999

## Interior expansion system CombiLine N

Busbar system 60 mm vertical, M(B)R...H



MR102H

- Unpopulated for equipment for the horizontal installation of bus-mounting fuse sockets, see below
- For 3-pole busbars, see below
- 32 mm spacing between copper rail and cover
- With busbar bracket type ZX146
- Rated current ( $I_n$ ) max. 250 A
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		Cutout height in					From cabinet depth		Kit not installed		Mounted and installed in the cabinet	
	RE	mm	FB	mm	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type	Order code
2	300	1	250	1 x 134	24	●	●	120	MBR102H	2CPX041828R9999	MR102H	2CPX041412R9999	
3	450	1	250	1 x 295	36	●	●	200	MBR103H	2CPX041829R9999	MR103H	2CPX041413R9999	

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



ZX2506

- Combinations of different module heights (see information in RE height) are possible within the cabinet with continuous busbars.
- 3 copper rails are required per module

Copper rail	$I_n$	Height		Unit	Kit not installed		Mounted and installed in the cabinet	
		RE	mm		Type	Order code	Type	Order code
12x5,	100	2	178	1	ZX2500	2CPX042877R9999	ZXM2500	2CPX042867R9999
		3	328	1	ZX2501	2CPX042878R9999	ZXM2501	2CPX042868R9999
		4 (2RE + 2RE)	478	1	ZX2502	2CPX042879R9999	ZXM2502	2CPX042869R9999
		5 (2RE + 3RE)	628	1	ZX2503	2CPX042880R9999	ZXM2503	2CPX042870R9999
		6 (3RE + 3RE)	778	1	ZX2504	2CPX042881R9999	ZXM2504	2CPX042871R9999
		20x5	250	2	178	1	ZX2505	2CPX042882R9999
3	328			1	ZX2506	2CPX042883R9999	ZXM2506	2CPX042873R9999
4 (2RE + 2RE)	478			1	ZX2507	2CPX042884R9999	ZXM2507	2CPX042874R9999
5 (2RE + 3RE)	628			1	ZX2508	2CPX042885R9999	ZXM2508	2CPX042875R9999
6 (3RE + 3RE)	778			1	ZX2509	2CPX042886R9999	ZXM2509	2CPX042876R9999



ZE60



ZE61



ZE62



ZA4P10

Article	Unit	Type	Order code
<b>Neozed bus-mounting fuse socket E18, width 26 mm</b>	1	ZE60	2CPX061045R9999
For gauge ring inserts, 3-pole, with covers and nameplates, with E18 thread, safety fuse max. 63 A	10	ZE60P10	2CPX062400R9999
<b>Diazed bus-mounting fuse socket E27, width 42 mm</b>	1	ZE61	2CPX061046R9999
For gauge ring inserts, 3-pole, with covers and nameplates, with E27 thread, safety fuse max. 25 A			
<b>Diazed bus-mounting fuse socket E33, width 56 mm</b>	1	ZE62	2CPX061047R9999
For gauge ring inserts, 3-pole, with covers and nameplates, with E33 thread, safety fuse max. 63 A			
<b>Shutters instead of bus-mounting fuse socket</b>	10	ZA4P10	2CPX062374R9999
Color similar to RAL 7035, for compliance with the contact protection IPXXC			

## Interior expansion system CombiLine N

NH00-fuse switch disconnecter, M(B)T...35+36+37(B)



MT337B

- Populated with NH00 fuse switch disconnecter 160 A type ZH411, with separator shutters
- With 320 A busbar system, 3-pole, M8 connection screws
- Rated current ( $I_n$ ) max. 320 A
- **Important:** note the cabinet depth in the lock area
- Spacing from the front edge of the equipment to the cover: 37 mm
- The mounting frame must be ordered separately
- Not suitable for fire protection housing, except for module MT135B

Height	Width		With disconnecter				From cabinet depth	Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	NH00	PLE		EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code
2	300	1	250	1	24	●	●	200	-	-	MT135B	2CPX042451R9999
				2	24	●	●		-	-	MT136B	2CPX041293R9999
				4	48	●	●		-	-	MT236B	2CPX041294R9999
				6	72	●	●		-	-	MT336B	2CPX041295R9999
4	600	1	250	4	48	●	●	200	-	-	MT137B	2CPX041296R9999
				8	96	●	●		-	-	MT237B	2CPX041297R9999
				12	144	-	●		-	-	MT337B	2CPX041298R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MT337

- Unpopulated for NH00 fuse switch disconnectors 160 A, Makes: ABB (ZH411, ZH412), without separator shutters
- For 320 A busbar system, 3-pole
- Rated current ( $I_n$ ) max. 320 A
- **Important:** note the cabinet depth in the lock area
- The mounting frame must be ordered separately
- Not suitable for fire protection housing, except for modules MBT135 and MT135

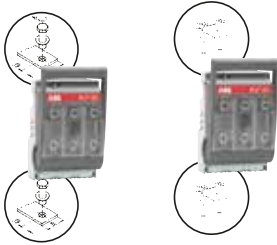
Height	Width		For disconnecter				From cabinet depth	Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	NH00	PLE		EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code
2	300	1	250	1	24	●	●	200	MBT135	2CPX042452R9999	MT135	2CPX042450R9999
				2	24	●	●		MBT136	2CPX041770R9999	MT136	2CPX041299R9999
				4	48	●	●		MBT236	2CPX041771R9999	MT236	2CPX041300R9999
				6	72	●	●		MBT336	2CPX041772R9999	MT336	2CPX041301R9999
4	600	1	250	4	48	●	●	200	MBT137	2CPX041773R9999	MT137	2CPX041302R9999
				8	96	●	●		MBT237	2CPX041774R9999	MT237	2CPX041303R9999
				12	144	-	●		MBT337	2CPX041775R9999	MT337	2CPX041304R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



## Interior expansion system CombiLine N

### Accessories for NH00-fuse switch disconnecter modules

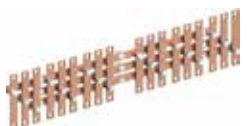


ZH411

ZH412



ZH311



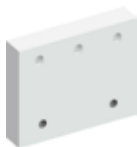
ZH312



ZH427



ZH430



ZX148

Article	Suitable for module	Unit	Type	Order code
<b>NH00 fuse switch disconnecter</b>				
Rated current ( $I_n$ ) max. 160 A, without separator shutters				
With M8 connection screws	M(B)T135 - M(B)T337	1	ZH411	2CPX062947R9999
With U-clamp terminals up to 50 mm <sup>2</sup>	M(B)T135 - M(B)T337	1	ZH412	2CPX062948R9999
<b>NH00 busbar system</b>				
Copper rails 20 x 5 mm, 3-pole	M(B)T136	1	ZH214	2CPX060443R9999
Rated current ( $I_n$ ) 320 A	M(B)T236	1	ZH211	2CPX060440R9999
Single-story with M8 connection screws	M(B)T336	1	ZH311	2CPX060450R9999
<b>NH00 busbar system</b>				
Copper rails 20 x 5 mm, 3-pole	M(B)T137	1	ZH216	2CPX060445R9999
Rated current ( $I_n$ ) 320 A	M(B)T237	1	ZH212	2CPX060441R9999
Double-story with M8 connection screws	M(B)T337	1	ZH312	2CPX060451R9999
<b>Separator shutters</b>				
For NH fuse switch disconnecter, color similar to RAL 7035, for compliance with the contact protection IPXXC				
Single shutter	1 x M(B)T135 *	1	ZH425	2CPX062952R9999
Double shutter	1 x M(B)T136 * 2 x M(B)T236 * 2 x M(B)T137 * 4 x M(B)T237 *	1	ZH426	2CPX062953R9999
Triple shutter	2 x M(B)T336 * 4 x M(B)T337 *	1	ZH427	2CPX062954R9999
<b>Separator shutters, closed</b>				
Instead of NH fuse switch disconnecter, color similar to RAL 7035, for compliance with the contact protection IPXXC				
Single shutter	M(B)T135 - M(B)T337	1	ZH428	2CPX062955R9999
Double shutter	M(B)T236 - M(B)T337	1	ZH429	2CPX062956R9999
Triple shutter	M(B)T336 - M(B)T337	1	ZH430	2CPX062957R9999
<b>Insulation plate</b>				
For non-allocated busbar ends with NH00 fuse switch disconnecter				
	M(B)T135 - M(B)T337	1	ZX148	2CPX044018R9999

\*Quantity per module when fully assembled

## Interior expansion system CombiLine N

### NH1-fuse switch disconnecter, M(B)T...42+43(B)



MT343B

- Populated with NH1 fuse switch disconnecter 250 A type ZH431, with separator shutters
- With 3-pole busbar system, M10 connection screws
- Rated current ( $I_n$ ) max. 440 A, single-story
- Rated current ( $I_n$ ) max. 630 A, double-story
- **Important:** note the cabinet depth in the lock area
- Spacing from the front edge of the equipment to the cover: 43 mm
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		With disconnecter				From cabinet depth	Kit not installed		Mounted and installed in the cabinet			
	RE	mm	FB	mm	NH1	PLE		EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type
3	450	1	250	1	36	●	●	200	-	-	-	MT142B	2CPX041305R9999
		2	500	2	72	●	●	200	-	-	-	MT242B	2CPX041306R9999
		3	750	3	108	-	●	225	-	-	-	MT342B	2CPX041307R9999
5	750	1	250	2	60	●	●	200	-	-	-	MT143B	2CPX041308R9999
		2	500	4	120	-	●	225	-	-	-	MT243B	2CPX041309R9999
		3	750	6	180	-	●	225	-	-	-	MT343B	2CPX041310R9999

\*1 Expansion on EDF mounting frame | \*2 Expansion on WR mounting frame



MT343

- Unpopulated for NH1 fuse switch disconnecters 250 A, Makes: ABB (ZH431), without separator shutters
- For busbar system, 3-pole
- Rated current ( $I_n$ ) max. 440 A, single-story
- Rated current ( $I_n$ ) max. 630 A, double-story
- **Important:** note the cabinet depth in the lock area
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		For disconnecter				From cabinet depth	Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	NH1	PLE		EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code
3	450	1	250	1	36	●	●	200	MBT142	2CPX041776R9999	MT142	2CPX041311R9999
		2	500	2	72	●	●	200	MBT242	2CPX041777R9999	MT242	2CPX041312R9999
		3	750	3	108	-	●	225	MBT342	2CPX041778R9999	MT342	2CPX041313R9999
5	750	1	250	2	60	●	●	200	MBT143	2CPX041779R9999	MT143	2CPX041314R9999
		2	500	4	120	-	●	225	MBT243	2CPX041780R9999	MT243	2CPX041315R9999
		3	750	6	180	-	●	225	MBT343	2CPX041781R9999	MT343	2CPX041316R9999

\*1 Expansion on EDF mounting frame | \*2 Expansion on WR mounting frame

## Interior expansion system CombiLine N

### Accessories for NH1-fuse switch disconnecter modules



ZH431



ZH317



ZH318



ZH438



ZH440



ZX128

Article	Intended use	Unit	Type	Order code
<b>NH1 fuse switch disconnecter</b> Rated current ( $I_n$ ) max. 250 A, without separator shutters, with M10 connection screws	M(B)T142 - M(B) T343	1	ZH431	2CPX062958R9999
<b>NH1/NH2 busbar system</b> Copper rails 30 x 5 mm, 3-pole Rated current ( $I_n$ ) 440 A Single-story with M10 connection screws	M(B)T242	1	ZH217	2CPX060446R9999
	M(B)T342	1	ZH317	2CPX060456R9999
<b>NH1/NH2 busbar system</b> Copper rails 30 x 10 mm, 3-pole Rated current ( $I_n$ ) 630 A Double-story with M10 connection screws	M(B)T243	1	ZH218	2CPX060447R9999
	M(B)T343	1	ZH318	2CPX060457R9999
<b>Separator shutter</b> Single shutter for NH fuse switch disconnecter, color similar to RAL 7035, for compliance with the contact protection IPXXC	1 x M(B)T142 * 2 x M(B)T242 * 3 x M(B)T342 * 2 x M(B)T143 * 4 x M(B)T243 * 6 x M(B)T343 *	1	ZH438	2CPX062961R9999
<b>Separator shutter, closed</b> Single shutter instead of NH fuse switch disconnecter, color similar to RAL 7035, for compliance with the contact protection IPXXC	M(B)T142 - M(B) T343	1	ZH440	2CPX062963R9999
<b>Insulation plate</b> For non-allocated busbar ends with NH1 fuse switch disconnecter	M(B)T142 - M(B) T343	1	ZX128	2CPX039128R9999

\*Quantity per module when fully assembled

## Interior expansion system CombiLine N

NH2-fuse switch disconnecter, M(B)T...44+45(B)



MT345B

- Populated with NH2 fuse switch disconnecter 400 A type ZH441, with separator shutters
- With 3-pole busbar system, M10 connection screws
- Rated current ( $I_n$ ) max. 440 A, single-story
- Rated current ( $I_n$ ) max. 630 A, double-story
- **Important:** note the cabinet depth in the lock area
- Spacing from the front edge of the equipment to the cover: 43 mm
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		With disconnecter				From cabinet depth	Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	NH2	PLE		EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code
3	450	1	250	1	36	●	●	215	-	-	MT144B	2CPX041317R9999
			500	2	72	●	●	215	-	-	MT244B	2CPX041318R9999
			750	3	108	-	●	225	-	-	MT344B	2CPX041319R9999
5	750	1	250	2	60	●	●	215	-	-	MT145B	2CPX041320R9999
			500	4	120	-	●	225	-	-	MT245B	2CPX041321R9999
			750	6	180	-	●	225	-	-	MT345B	2CPX041322R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MT345

- Unpopulated for NH2 fuse switch disconnecters 400 A, Makes: ABB (ZH441), without separator shutters
- For busbar system, 3-pole
- Rated current ( $I_n$ ) max. 440 A, single-story
- Rated current ( $I_n$ ) max. 630 A, double-story
- **Important:** note the cabinet depth in the lock area
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		For disconnecter				From cabinet depth	Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	NH2	PLE		EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code
3	450	1	250	1	36	●	●	215	MBT144	2CPX041782R9999	MT144	2CPX041323R9999
			500	2	72	●	●	215	MBT244	2CPX041783R9999	MT244	2CPX041324R9999
			750	3	108	-	●	225	MBT344	2CPX041784R9999	MT344	2CPX041325R9999
5	750	1	250	2	60	●	●	215	MBT145	2CPX041785R9999	MT145	2CPX041326R9999
			500	4	120	-	●	225	MBT245	2CPX041786R9999	MT245	2CPX041327R9999
			750	6	180	-	●	225	MBT345	2CPX041787R9999	MT345	2CPX041328R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame

## Interior expansion system CombiLine N

### Accessories for NH2-fuse switch disconnecter modules



ZH441



ZH317



ZH318



ZH448



ZH442



ZX129

Article	Intended use	Unit	Type	Order code
<b>NH2 fuse switch disconnecter</b> Rated current ( $I_n$ ) max. 400 A, without separator shutters, with M12 connection screws	M(B)T144 - M(B) T345	1	ZH441	2CPX062964R9999
<b>NH1/NH2 busbar system</b> Copper rails 30 x 5 mm, 3-pole Rated current ( $I_n$ ) 440 A Single-story with M10 connection screws	M(B)T244 M(B)T344	1 1	ZH217 ZH317	2CPX060446R9999 2CPX060456R9999
<b>NH1/NH2 busbar system</b> Copper rails 30 x 10 mm, 3-pole Rated current ( $I_n$ ) 630 A Double-story with M10 connection screws	M(B)T245 M(B)T345	1 1	ZH218 ZH318	2CPX060447R9999 2CPX060457R9999
<b>Separator shutters</b> For NH fuse switch disconnecter, color similar to RAL 7035, for compliance with the contact protection IPXXC				
Single shutter	1 x M(B)T144 * 2 x M(B)T145 *	1	ZH447	2CPX039842R9999
Single shutter	1 x M(B)T344 * 2 x M(B)T345 *	1	ZH448	2CPX062965R9999
Double shutter	1 x M(B)T244 * 1 x M(B)T344 * 2 x M(B)T245 * 2 x M(B)T345 *	1	ZH449	2CPX062966R9999
<b>Separator shutter, closed</b> Single shutter instead of NH fuse switch disconnecter, color similar to RAL 7035, for compliance with the contact protection IPXXC	M(B)T144 - M(B) T345	1	ZH442	2CPX062939R9999
<b>Insulation plate</b> For non-allocated busbar ends with NH2 fuse switch disconnecter	M(B)T144 - M(B) T345	1	ZX129	2CPX039129R9999

\*Quantity per module when fully assembled

## Interior expansion system CombiLine N

Busbar system 100 mm, NH00 switch disconnecter, M(B)D...52(B)



MD352B

- Populated with InLine II NH00-100 fuse switch disconnection rails 160 A, Make: ABB
- Busbar center distance 100 mm
- For 3-pole, horizontally arranged busbars
- With busbar bracket type ZX520
- Rated current ( $I_n$ ) max. 850 A
- **Important:**
  1. The cabinet depth is to be noted in the lock area  
Spacing from the front edge of the equipment to the cover: 29 mm
  2. The cable connection when using a middle rail or cross-profile rail in the direct connection is only possible to a limited extent with the use of a bridge clamp (plan for connection space, empty module)
- The mounting frame must be ordered separately
- The busbars must be ordered separately from the module
- Not suitable for fire protection housing
- Take additional connection room of at least 150 mm into consideration

Height RE	Width		Equipment	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	From cabinet depth mm	Kit not installed		Mounted and installed in the cabinet		
	mm	FB mm						Type	Order code	Type	Order code	
3	450	1	250	3 x NH00	36	●	●	215	-	-	MD152B	2CPX042110R9999
		2	500	8 x NH00	72	●	●	215	-	-	MD252B	2CPX042111R9999
		3	750	12 x NH00	108	-	●	225	-	-	MD352B	2CPX042112R9999

\*1 Expansion on EDF mounting frame | \*2 Expansion on WR mounting frame



MBD352

- Unpopulated for InLine II NH00-100 fuse switch disconnection rails 160 A, Make: ABB
- Busbar center distance 100 mm
- For 3-pole, horizontally arranged busbars
- With busbar bracket type ZX520 mounted on 3-stage assembly bracket ZW480
- Cover without cutout
- Rated current ( $I_n$ ) max. 850 A
- Equipment, see catalog ABB STOTZ-KONTAKT InLine II
- **Important:** See remarks above

Height RE	Width		Useful width mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	From cabinet depth mm	Kit not installed		Mounted and installed in the cabinet		
	mm	FB mm						Type	Order code	Type	Order code	
3	450	1	250	150	36	●	●	215	MBD152	2CPX042116R9999	MD152	2CPX042113R9999
		2	500	300	72	●	●	215	MBD252	2CPX042117R9999	MD252	2CPX042114R9999
		3	750	500	108	-	●	225	MBD352	2CPX042118R9999	MD352	2CPX042115R9999

\*1 Expansion on EDF mounting frame | \*2 Expansion on WR mounting frame

## Interior expansion system CombiLine N

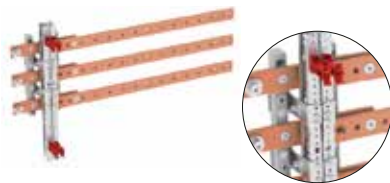
Busbar system 100 mm, NH00 switch disconnecter, M(B)D...52(B)



ZXM1215

- Busbars for individual cabinet installation
- With the EDF and WR mounting frame, defined combinations (see info FB width) are possible within the cabinet. The different busbars can be connected via a connection set
- The NH00 fuse switch disconnection rails are mounted directly on the copper rails prepared with press-in nuts
- Set positions are specified for feeding in on copper rails
- 3 copper rails are required per module

Copper rail mm	I <sub>n</sub> A	Width			Kit not installed		Mounted and installed in the cabinet	
		FB	mm	Unit	Type	Order code	Type	Order code
30 x 10	630	1	184	1	ZX1210	2CPX042121R9999	ZXM1210	2CPX042230R9999
		2	434	1	ZX1211	2CPX042122R9999	ZXM1211	2CPX042231R9999
		3	684	1	ZX1212	2CPX042123R9999	ZXM1212	2CPX042232R9999
40 x 10	850	1	184	1	ZX1213	2CPX042124R9999	ZXM1213	2CPX042233R9999
		2	434	1	ZX1214	2CPX042125R9999	ZXM1214	2CPX042234R9999
		3	684	1	ZX1215	2CPX042126R9999	ZXM1215	2CPX042235R9999



ZXM1217

- Busbar connection set (panel-panel connector)
- **Important:** Note the depth from the cabinet for the connection set
- 3 copper connection sets are required per connection
- The connection set is not possible for a cabinet depth of 215 mm

Copper rail mm	I <sub>n</sub> A	Width		Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	mm		Type	Order code	Type	Order code
30 x 10	630	230		1	ZX1216	2CPX042119R9999	ZXM1216	2CPX042236R9999
40 x 10	850	230		1	ZX1217	2CPX042120R9999	ZXM1217	2CPX042237R9999



ZE591M



ZX964

Article	Width in mm	Suitable for ...	Unit	Type	Order code
ZLBM00-100	50	MD...(H)B, M(B)D...	1	ZE591M	2CPX042959R9999
<b>Blanking panels for sealing off reserve spaces</b> 100 mm busbar center distance 50 mm width for sealing NH00 strips			1	ZX964	2CPX042238R9999

## Interior expansion system CombiLine N / CombiLine-X

Busbar system 185 mm, NH switch disconnectors, M(B)D...21-300(B)



MD300B

- Populated with InLine II fuse switch disconnection rails **ZLBM**, Make: ABB
- NH00 in-line fused load break switches up to 160 A/ NH1 to 250 A
- Busbar center distance 185 mm
- For 3-pole, horizontally arranged busbars
- With busbar bracket type ZX522
- Rated current ( $I_n$ ) max. 850 A
- **Important:** Plan for connection space or empty module and note the cabinet depth in the lock area\*
- Spacing from the front edge of the equipment to the cover: NH00 – 60 mm/NH1-3 – 65 mm
- The busbars must be ordered separately from the module
- Not possible in combination with CombiLine-X

Height	Width		Equipment	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	From cabinet depth	Kit not installed		Mounted and installed in the cabinet* <sup>3</sup>		
	RE	FB						Type	Order code	Type	Order code	
5	750	1	250	4 x NH00	60	-	●	275*	-	-	MD100B	2CPX042240R9999
		2	500	8 x NH00	120	-	●	275*	-	-	MD200B	2CPX042241R9999
		3	750	12 x NH00	180	-	●	275*	-	-	MD300B	2CPX042242R9999
5	750	2	500	4 x NH1	120	-	●	275*	-	-	MD21B	2CPX042243R9999
		3	750	6 x NH1	180	-	●	275*	-	-	MD31B	2CPX042244R9999

\* For double doors, a minimum cabinet depth of 325 mm is required | \*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame

\*<sup>3</sup>The module frame must be ordered separately | Not suitable for fire protection housing



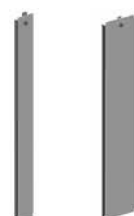
MD300HB

- Populated with InLine II fuse switch disconnection rails **ZHBM**, Make: ABB NH00 in-line fused load break switches up to 160 A/NH1 up to 250 A
- Busbar center distance 185 mm
- For 3-pole, horizontally arranged busbars
- With busbar bracket type ZX522
- Rated current ( $I_n$ ) max. 850 A
- **Important:** Plan for connection space or empty module and note the cabinet depth in the lock area\*
- The busbars must be ordered separately from the module

Height	Width		Useful width	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	From cabinet depth	Kit not installed		Mounted and installed in the cabinet* <sup>3</sup>		
	RE	FB						Type	Order code	Type	Order code	
5	750	1	250	4 x NH00	60	-	●	350*	-	-	MD100HB	2CPX042245R9999
		2	500	8 x NH00	120	-	●	350*	-	-	MD200HB	2CPX042246R9999
		3	750	12 x NH00	180	-	●	350*	-	-	MD300HB	2CPX042247R9999
5	750	2	500	4 x NH1	120	-	●	350*	-	-	MD21HB	2CPX042248R9999
		3	750	6 x NH1	180	-	●	350*	-	-	MD31HB	2CPX042249R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame

\*<sup>3</sup>The module frame must be ordered separately | Not suitable for fire protection housing



ZX960 ZX961

Article	Unit	Type	Order code
<b>Blanking panels for sealing off reserve spaces</b>			
185 mm busbar center distance			
50 mm width for sealing NH00 strips	1	ZX960	2CPX043180R9999
100 mm width for sealing NH1-3 strips	1	ZX961	2CPX043181R9999



## Interior expansion system CombiLine N / CombiLine-X

Busbar system 185 mm, NH switch disconnectors, M(B)D...21-300(B)



MBD300

- Unpopulated for NH00 to NH3 fuse switch disconnection rails 160 A– 630 A, Make: ABB, **ZLBM** with 275 mm depth, ABB **ZHBM** with 350 mm depth
- Busbar center distance 185 mm
- For 3-pole, horizontally arranged busbars
- With busbar bracket type ZX522 mounted on 2-stage assembly bracket ZW481
- Cover without cutout
- Rated current ( $I_n$ ) max. 850 A
- Equipment, see catalog ABB STOTZ-KONTAKT InLine II
- **Important:** See remark on next page for build-in components

Height	Width		Useful width			From cabinet depth			Kit not installed		Mounted and installed in the cabinet	
	RE	mm	FB	mm	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type
5	750	1	250	199.5	60	-	●	275/350*	MBD100	2CPX042255R9999	MD100	2CPX042258R9999
		2	500	399.5	120	-	●	275/350*	MBD200	2CPX042256R9999	MD200	2CPX042259R9999
		3	750	649	180	-	●	275/350*	MBD300	2CPX042257R9999	MD300	2CPX042260R9999

\* For double doors, a minimum cabinet depth of 325 mm is required | \*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup> Expansion on WR mounting frame



ZX1228

- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- With press-in nuts for connecting NH fuse switch disconnection rails
- The module sequence is defined by the press-in nuts from 3-field ready and greater (see info FB width)
- 3 copper rails are required per module

Copper rail	$I_n$	Width			Kit not installed		Mounted and installed in the cabinet			
		mm	A	FB	mm	Unit	Type	Order code	Type	Order code
30 x 10	630	1		215		1	ZX1220	2CPX042267R9999	ZXM1220	2CPX042285R9999
		2		465		1	ZX1221	2CPX042268R9999	ZXM1221	2CPX042286R9999
		3		715		1	ZX1222	2CPX042269R9999	ZXM1222	2CPX042287R9999
		4 (2FB+2FB)		965		1	ZX1223	2CPX042270R9999	ZXM1223	2CPX042288R9999
		5 (3FB+2FB)		1215		1	ZX1224	2CPX042271R9999	ZXM1224	2CPX042289R9999
		6 (3FB+3FB)		1465		1	ZX1225	2CPX042272R9999	ZXM1225	2CPX042290R9999
40 x 10	850	1		215		1	ZX1226	2CPX042273R9999	ZXM1226	2CPX042291R9999
		2		465		1	ZX1227	2CPX042274R9999	ZXM1227	2CPX042292R9999
		3		715		1	ZX1228	2CPX042275R9999	ZXM1228	2CPX042293R9999
		4 (2FB+2FB)		965		1	ZX1229	2CPX042276R9999	ZXM1229	2CPX042294R9999
		5 (3FB+2FB)		1215		1	ZX1230	2CPX042277R9999	ZXM1230	2CPX042295R9999
		6 (3FB+3FB)		1465		1	ZX1231	2CPX042278R9999	ZXM1231	2CPX042296R9999
50 x 10	1000	1		215		1	ZX1232	2CPX042279R9999	ZXM1232	2CPX042297R9999
		2		465		1	ZX1233	2CPX042280R9999	ZXM1233	2CPX042298R9999
		3		715		1	ZX1234	2CPX042281R9999	ZXM1234	2CPX042299R9999
		4 (2FB+2FB)		965		1	ZX1235	2CPX042282R9999	ZXM1235	2CPX042300R9999
		5 (3FB+2FB)		1215		1	ZX1236	2CPX042283R9999	ZXM1236	2CPX042301R9999
		6 (3FB+3FB)		1465		1	ZX1237	2CPX042284R9999	ZXM1237	2CPX042332R9999

\* For double doors, a minimum cabinet depth of 325 mm is required | \*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup> Expansion on WR mounting frame

## Interior expansion system CombiLine N / CombiLine-X

Busbar system 185 mm, NH switch disconnectors + EFM, M(B)D...21-300(B)



MD300EB

- Populated with InLine II fuse switch disconnection rails ZHBM, Make: ABB ZHBM + Electronic Fuse Monitoring (EFM)  
NH00 fuse switch disconnectors up to 160 A  
NH1 fuse-switch disconnectors up to 250 A
- Busbar center distance 185 mm
- For 3-pole, horizontally arranged busbars
- With busbar bracket type ZX522
- Rated current ( $I_n$ ) max. 850 A
- **Important:** Plan for connection space or empty module and note the cabinet depth in the lock area\*
- Spacing from the front edge of the equipment to the cover: NH00 – 60 mm/NH1-3 – 65 mm
- The mounting frame must be ordered separately
- The busbars must be ordered separately from the module
- Not suitable for fire protection housing

Height	Width		Useful width			From cabinet depth			Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	mm	PLE	EDF*1	WR*2	mm	Type	Order code	Type	Order code
6	900	1	250	4 x NH00	60	-	●	350	-	-	-	MD100EB	2CPX042250R9999
		2	500	8 x NH00	120	-	●	350	-	-	-	MD200EB	2CPX042251R9999
		3	750	12 x NH00	180	-	●	350	-	-	-	MD300EB	2CPX042252R9999
6	900	2	250	4 x NH1	120	-	●	350	-	-	-	MD21EB	2CPX042253R9999
		3	750	6 x NH1	180	-	●	350	-	-	-	MD31EB	2CPX042254R9999

\*1 Expansion on EDF mounting frame | \*2 Expansion on WR mounting frame



ZE551M

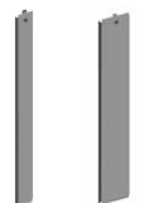
ZE561M



ZE553M

ZE563M

Article	Width in mm	Suitable for ...	Unit	Type	Order code
ZLBM00	50	MD...(H)B, M(B)D...	1	ZE551M	2CPX042955R9999
ZLBM1	100	MD...(H)B, M(B)D...	1	ZE561M	2CPX042956R9999
ZLBM2	100	MD...(H)B, M(B)D...	1	ZE571M	2CPX042957R9999
ZLBM3	100	MD...(H)B, M(B)D...	1	ZE581M	2CPX042958R9999
ZHBM00	50	MD...(H)B, M(B)D...	1	ZE552M	2CPX042960R9999
ZHBM1	100	MD...(H)B, M(B)D...	1	ZE562M	2CPX042961R9999
ZHBM2	100	MD...(H)B, M(B)D...	1	ZE572M	2CPX042962R9999
ZHBM3	100	MD...(H)B, M(B)D...	1	ZE582M	2CPX042963R9999
ZHBM+EFM00	50	MD...(H)EB, M(B)D...E	1	ZE553M	2CPX042964R9999
ZHBM+EFM1	100	MD...(H)EB, M(B)D...E	1	ZE563M	2CPX042965R9999
ZHBM+EFM2	100	MD...(H)EB, M(B)D...E	1	ZE573M	2CPX042966R9999
ZHBM+EFM3	100	MD...(H)EB, M(B)D...E	1	ZE583M	2CPX042967R9999



ZX962

ZX963

Article	Unit	Type	Order code
<b>Blanking panels for sealing off reserve spaces with height (EFM)</b> 185 mm busbar center distance			
50 mm width for sealing NH00 strips	1	ZX962	2CPX042193R9999
100 mm width for sealing NH1-3 strips	1	ZX963	2CPX042194R9999

## Interior expansion system CombiLine N / CombiLine-X

Busbar system 185 mm, NH switch disconnectors + EFM / ITS, M(B)D...21-300(B)



MBD300E

- Unpopulated for NH00 to NH3 fuse switch disconnection rails + EFM (or ITS), Make: ABB
- Busbar center distance 185 mm
- For 3-pole, horizontally arranged busbars
- With busbar bracket type ZX522 mounted on 3-stage assembly bracket ZW480
- Cover without cutout
- Rated current ( $I_n$ ) max. 850 A
- Equipment, see catalog ABB STOTZ-KONTAKT InLine II
- **Important:** See remark on previous page for build-in components

Height	Width		Useful width			From cabinet depth			Kit not installed		Mounted and installed in the cabinet	
	RE	mm	FB	mm	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type
6	900	1	250	199.5	60	-	●	350	MBD100E	2CPX042261R9999	MD100E	2CPX042264R9999
		2	500	399.5	120	-	●	350	MBD200E	2CPX042262R9999	MD200E	2CPX042265R9999
		3	750	649	180	-	●	350	MBD300E	2CPX042263R9999	MD300E	2CPX042266R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



ZX1228

- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- With press-in nuts for connecting NH fuse switch disconnection rails
- The module sequence is defined by the press-in nuts from 3-field ready and greater (see info FB width)
- 3 copper rails are required per module

Copper rail	$I_n$	Width			Kit not installed		Mounted and installed in the cabinet			
		mm	A	FB	mm	Unit	Type	Order code	Type	Order code
30 x 10	630	1		215		1	ZX1220	2CPX042267R9999	ZXM1220	2CPX042285R9999
		2		465		1	ZX1221	2CPX042268R9999	ZXM1221	2CPX042286R9999
		3		715		1	ZX1222	2CPX042269R9999	ZXM1222	2CPX042287R9999
		4 (2FB+2FB)		965		1	ZX1223	2CPX042270R9999	ZXM1223	2CPX042288R9999
		5 (3FB+2FB)		1215		1	ZX1224	2CPX042271R9999	ZXM1224	2CPX042289R9999
		6 (3FB+3FB)		1465		1	ZX1225	2CPX042272R9999	ZXM1225	2CPX042290R9999
40 x 10	850	1		215		1	ZX1226	2CPX042273R9999	ZXM1226	2CPX042291R9999
		2		465		1	ZX1227	2CPX042274R9999	ZXM1227	2CPX042292R9999
		3		715		1	ZX1228	2CPX042275R9999	ZXM1228	2CPX042293R9999
		4 (2FB+2FB)		965		1	ZX1229	2CPX042276R9999	ZXM1229	2CPX042294R9999
		5 (3FB+2FB)		1215		1	ZX1230	2CPX042277R9999	ZXM1230	2CPX042295R9999
		6 (3FB+3FB)		1465		1	ZX1231	2CPX042278R9999	ZXM1231	2CPX042296R9999
50 x 10	1000	1		215		1	ZX1232	2CPX042279R9999	ZXM1232	2CPX042297R9999
		2		465		1	ZX1233	2CPX042280R9999	ZXM1233	2CPX042298R9999
		3		715		1	ZX1234	2CPX042281R9999	ZXM1234	2CPX042299R9999
		4 (2FB+2FB)		965		1	ZX1235	2CPX042282R9999	ZXM1235	2CPX042300R9999
		5 (3FB+2FB)		1215		1	ZX1236	2CPX042283R9999	ZXM1236	2CPX042301R9999
		6 (3FB+3FB)		1465		1	ZX1237	2CPX042284R9999	ZXM1237	2CPX042332R9999

\* For double doors, a minimum cabinet depth of 325 mm is required | \*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame

## Interior expansion system CombiLine N

Busbar system 185 mm for NH load break switch, M(B)L...5



ML35

- Unpopulated for load break switch NH00 to NH3 fuses 160 A to 630 A
- For make ABB SlimLine XR and Jean Müller Sasil
- Busbar center distance 185 mm
- For 3-pole horizontally arranged busbars, see below
- With busbar bracket type ZX523
- Cover without cutout
- Rated current ( $I_n$ ) max. 850 A
- **Important:** Plan for connection space or empty module and note the cabinet depth in the lock area
- Spacing from the front edge of the equipment to the cover: 138 mm
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		Useful width			From cabinet depth			Kit not installed		Mounted and installed in the cabinet	
	RE	mm	FB	mm	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type
5	750	2	500	400	120	-	●	625	MBL25	2CPX041801R9999	ML25	2CPX041368R9999
		3	750	600	180	-	●	625	MBL35	2CPX041802R9999	ML35	2CPX041369R9999

\*<sup>1</sup> Expansion on EDF mounting frame | \*<sup>2</sup> Expansion on WR mounting frame



ZX1033

- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- With clamping pins for affixing the busbars
- 3 copper rails are required per module

Copper rail	$I_n$	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	A	FB		mm	Type	Order code	Type
40 x 10	850	2		496	1	ZX1032	2CPX041901R9999	ZXM1032	2CPX041511R9999
		3		746	1	ZX1033	2CPX041902R9999	ZXM1033	2CPX041512R9999
		4		996	1	ZX1034	2CPX041903R9999	ZXM1034	2CPX041513R9999
		5		1246	1	ZX1035	2CPX041904R9999	ZXM1035	2CPX041514R9999

## Interior expansion system CombiLine N

Busbar system 40 mm for S700 and S750, M(B)H



MH250

- Unpopulated for main circuit breakers
- For make ABB S700, 1 to 4-pole (width per pole 35 mm)
- Busbar center distance 40 mm
- For 4-pole horizontally arranged busbars, see below
- With busbar bracket type ZB5
- Additionally braced in the middle from 3-field width
- Covers with cutout
- Rated current ( $I_n$ ) max. 250 A
- The remaining cutout is closed with cover strips
- The mounting frame must be ordered separately
- The modules MBH350 and MH350 are not suitable for fire protection housing

Height	Width		Useful width			From cabinet depth			Kit not installed		Mounted and installed in the cabinet	
	RE	mm	FB	mm	mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code	Type
2	300	1	250	105	24	●	●	200	MBH150	2CPX041792R9999	MH150	2CPX041337R9999
		2	500	210/105	48	●	●	200	MBH250	2CPX041793R9999	MH250	2CPX041338R9999
		3	750	315/210	72	●	●	200	MBH350	2CPX041794R9999	MH350	2CPX041339R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame

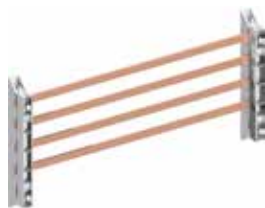


MH251

- Unpopulated for main circuit breakers
- For make ABB S750, 1 to 3-pole (width per pole 27 mm)
- For modules with 1-field width, the feed-in occurs directly via the SH-switch with a maximum connection cross-section of 35 mm<sup>2</sup>/max. 100 A
- Busbar center distance 40 mm
- For 4-pole horizontally arranged busbars, see below
- With busbar bracket type ZB5
- Additionally braced in the middle from 3-field width
- Covers with cutout
- Rated current ( $I_n$ ) max. 250 A
- The remaining cutout is closed with cover strips
- The mounting frame must be ordered separately
- The modules MBH351 and MH351 are not suitable for fire protection housing

2	300	1	250	161	24	●	●	200	MBH151	2CPX042031R9999	MH151	2CPX042026R9999
		2	500	161/161	48	●	●	200	MBH251	2CPX042032R9999	MH251	2CPX042027R9999
		3	750	322/242	72	●	●	200	MBH351	2CPX042033R9999	MH351	2CPX042028R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



ZX2041

- Busbar within the module
- A maximum of 5 copper rails are required per module

Copper rail	$I_n$	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	A	FB		mm	Type	Order code	Type
12 x 5	250	1		195	1	ZX2040	2CPX042533R9999	ZXM2040	2CPX042453R9999
		2		445	1	ZX2041	2CPX042534R9999	ZXM2041	2CPX042454R9999
		3		695	1	ZX2042	2CPX042535R9999	ZXM2042	2CPX042455R9999

## Interior expansion system CombiLine N

Power switch Tmax populated, MA...ALXB, MA...ALSB



MA250ALXB

- Populated with power switches, Make: ABB, Tmax XT1, XT3 and T5, 3-pole
- Fixed installation with rocker arm drive
- With thermomagnetic tripping device
- Covers with cutout
- Mounting on mounting cross beam
- **Note:** When directly using a center support rail or cross-profile rail, the cable connection can be realized with terminals (FC-CUAL). This and other accessories are to be ordered via ABB STOTZ-KONTAKT
- The mounting frame must be ordered separately
- Not suitable for fire protection housing, except for module MA100ALXB

Height RE	Width		I <sub>n</sub> A	Equipment				From cabinet depth mm	Kit not installed		Mounted and installed in the cabinet		
	mm	FB		mm	Type	PLE	EDF* <sup>1</sup>		WR* <sup>2</sup>	Type	Order code	Type	Order code
2	300	1	250	100	XT1B160R100	24	●	●	120	-	-	MA100ALXB	2CPX041471R9999
				160	XT1N160R160	24	●	●	200	-	-	MA160ALXB	2CPX041472R9999
				200	XT3N250R200	24	●	●	200	-	-	MA200ALXB	2CPX041473R9999
				250	XT3N250R250	24	●	●	200	-	-	MA250ALXB	2CPX041474R9999
3	450	2	500	400	T5N400R400	72	●	●	215	-	-	MA400ALSB	2CPX041384R9999

\*<sup>1</sup> Expansion on EDF mounting frame | \*<sup>2</sup> Expansion on WR mounting frame



MA630ALSB

- Populated with power switches, Make: ABB, Tmax T5 and T6, 3-pole
- Fixed installation with rocker arm drive
- With electronic tripping device PR221 DS-LS/I
- Covers with cutout
- Mounting on mounting cross beam
- **Note:** When directly using a center support rail or cross-profile rail, the cable connection can be realized with terminals (FC-CUAL). This and other accessories are to be ordered via ABB STOTZ-KONTAKT
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

3	450	2	500	630	T5N630R630	72	-	●	275	-	-	MA630ALSB	2CPX041385R9999
4	600	2	500	800	T6N800R800	96	-	●	325	-	-	MA800ALSB	2CPX041386R9999

\*<sup>1</sup> Expansion on EDF mounting frame | \*<sup>2</sup> Expansion on WR mounting frame

## Interior expansion system CombiLine N

Power switch Tmax unpopulated, M(B)A...T



MA290T

- Unpopulated for make ABB, fix-mounted installation  
Tmax XT1, 3-/4-pole, (76.2 mm/101.2 mm) or  
Tmax XT3, 3/4-pole, (105 mm/140 mm)
- Covers with cutout, remaining cutout must be closed  
with cover strips
- Rated current ( $I_n$ ) max. 250 A
- With mounting cross beam, including slide nuts M4
- The mounting frame must be ordered separately
- Not suitable for fire protection housing, except for  
modules MBA190T and MA190T

Height RE	Width		Equipment Type	Cutout width mm	Useful width mm	PLE	EDF <sup>*1</sup>	WR <sup>*2</sup>	From cabinet depth mm	Kit not installed		Mounted and installed in the cabinet		
	mm	FB								Type	Type	Order code	Type	Order code
2	300	1	250	XT1/XT3	216	199	24	●	●	120 <sup>*3</sup>	MBA190T	2CPX041643R9999	MA190T	2CPX041120R9999
		2	500	XT1/XT3	421	449	48	●	●	215	MBA290T	2CPX041644R9999	MA290T	2CPX041417R9999
		3	750	XT1/XT3	687	699	72	-	●	275	MBA390T	2CPX041645R9999	MA390T	2CPX041418R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup> Expansion on WR mounting frame | \*<sup>3</sup> In the small distributor only 1 x Tmax XT1 with rocker arm and max.  $I_n$  up to 100 A

## Interior expansion system CombiLine N

Power switch Tmax unpopulated, M(B)A...T



MA191T

- Unpopulated for make ABB, fix-mounted installation, Tmax XT2, 3-/4-pole, 90 mm/120 mm  
Tmax XT4, 3-/4-pole, 105 mm/140 mm
- Covers with cutout
- With mounting cross beam, including slide nuts M4
- The mounting frame must be ordered separately
- Not suitable for fire protection housing, except for modules MBA191T and MA191T

Height	Width		I <sub>n</sub>	Equipment				From cabinet depth	Kit not installed		Mounted and installed in the cabinet			
	RE	FB		mm	A	Type	Polarity		PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code
2	300	1	250	160	XT2	3-poles	24	●	●	200	MBA191T	2CPX042841R9999	MA191T	2CPX042837R9999
2	300	1	250	160	XT2	4-poles	24	●	●	200	MBA194T	2CPX042906R9999	MA194T	2CPX043430R9999
3	450	1	250	250	XT4	3-poles	36	●	●	200	MBA193T	2CPX042844R9999	MA193T	2CPX042840R9999
3	450	1	250	250	XT4	4-poles	36	●	●	200	MBA196T	2CPX042908R9999	MA196T	2CPX043419R9999



MA291T

- Unpopulated for make ABB, fix-mounted installation, Tmax XT2, 3-/4-pole, 90 mm/120 mm
- Covers without cutout
- With mounting cross beam, including slide nuts M4
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		I <sub>n</sub>	Equipment				Useful width	From cabinet depth	Kit not installed		Mounted and installed in the cabinet			
	RE	FB		mm	A	Type	Polarity			mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type
2	300	2	500	250	XT2	3/4-pole	449	48	●	●	215	MBA291T	2CPX042842R9999	MA291T	2CPX042838R9999
2	300	3	750	250	XT2	3/4-pole	669	72	-	●	260	MBA391T	2CPX042843R9999	MA391T	2CPX042839R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



## Interior expansion system CombiLine N

Power switch Tmax unpopulated, M(B)A...T



MBA195T

- Unpopulated for make ABB, fix-mounted installation, Tmax XT2, 4-pole + 4-pole + RC Sel, 120 mm  
Tmax XT4, 4-pole + 4-pole + RC Sel, 140 mm
- Covers with cutout
- With mounting cross beam, including slide nuts M4
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		I <sub>n</sub>	Equipment						From cabinet depth	Kit not installed		Mounted and installed in the cabinet	
	RE	mm		FB	mm	A	Type	Polarity	PLE		EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type
3	450	1	250	160	XT2	4-pole RC Sel	36	●	●	200	MBA195T	2CPX042907R9999	-	-
3	450	1	250	250	XT4	4-pole RC Sel	36	●	●	200	MBA197T	2CPX042909R9999	-	-



MA298XT

- Unpopulated for make ABB, fix-mounted installation Tmax XT5, 3-/4-pole, 140 mm/186 mm  
Tmax XT6, 3-/4-pole, 210 mm/280 mm
- Covers with cutout
- With mounting cross beam, including slide nuts M4
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		I <sub>n</sub>	Equipment						From cabinet depth	Kit not installed		Mounted and installed in the cabinet	
	RE	mm		FB	mm	A	Type	Polarity	PLE		EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type
3	450	1	250	400	XT5	3-polig	36	●	●	225	MBA192XT	2CPX043415R9999	MA192XT	2CPX043412R9999
				500	630	XT5	3-/4-polig	72	-	●	225	MBA292XT	2CPX043416R9999	MA292XT
4	600	2	500	800	XT6	3-/4-polig	96	-	●	225	MBA298XT	2CPX043418R9999	MA298XT	2CPX043414R9999

\*1 Expansion on EDF mounting frame | \*2 Expansion on WR mounting frame



MA292T

- Unpopulated for make ABB, fix-mounted installation, Tmax T4, 3-/4-pole, 105 mm/140 mm  
Tmax T5, 3-/4-pole, 139.5 mm/186 mm
- Covers with cutout
- Mounting cross beam, including mounting holes with thread
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		I <sub>n</sub>	Equipment						From cabinet depth	Kit not installed		Mounted and installed in the cabinet	
	RE	mm		FB	mm	A	Type	Polarity	PLE		EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type
3	450	1	250	320	T4	3-/4-pole	36	●	●	215	MBA192T	2CPX041646R9999	MA192T	2CPX041121R9999
				400	T5	3-poles	36	●	●	215	MBA192T	2CPX041646R9999	MA192T	2CPX041121R9999
				500	630	T5	3-/4-pole	72	●	●	215	MBA292T	2CPX041647R9999	MA292T

\*1 Expansion on EDF mounting frame | \*2 Expansion on WR mounting frame

## Interior expansion system CombiLine N

Load break switch OT populated, MA...ALAB



MA160ALAB

- Populated with load break switches, make ABB type OT160G, 3-pole
- Covers with cutout
- Assembly on DIN rails 35 x 15 mm
- The mounting frame must be ordered separately

Height RE	Width		I <sub>n</sub> A	Equipment				From cabinet depth mm	Kit not installed		Mounted and installed in the cabinet		
	mm	FB		Type	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>		Type	Order code	Type	Order code	
2	300	1	250	160	OT160G	24	●	●	200	-	-	MA160ALAB	2CPX041370R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MA630ALAB

- Equipped with load break switches, make ABB OT, type OT... E03P
- Covers with cutout
- Mounting on mounting cross beam
- The mounting frame must be ordered separately
- Not suitable for fire protection housing, except for modules MA200ALAB and MA250ALAB

Height RE	Width		I <sub>n</sub> A	Equipment				From cabinet depth mm	Kit not installed		Mounted and installed in the cabinet		
	mm	FB		Type	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>		Type	Order code	Type	Order code	
2	300	1	250	200	OT200E03P	24	●	●	200	-	-	MA200ALAB	2CPX041371R9999
				250	OT250E03P	24	●	●	200	-	-	MA250ALAB	2CPX041372R9999
3	450	2	500	400	OT400E03P	72	●	●	215	-	-	MA400ALAB	2CPX041373R9999
				630	OT630E03P	72	-	●	275	-	-	MA630ALAB	2CPX041374R9999
4	600	2	500	800	OT800E03P	72	-	●	325	-	-	MA800ALAB	2CPX041375R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame

## Interior expansion system CombiLine N

Load break switch OT/OS/S750DR unpopulated, M(B)A...AL...



MA160ALA

- Unpopulated for load break switch, make ABB OT160M3 or main automatic fuse, make ABB S750DR
- 3-pole or 4-pole
- Covers without cutout
- Assembly on DIN rails 35 x 15 mm
- The mounting frame must be ordered separately

Height	Width		I <sub>n</sub>	Useful width				From cabinet depth	Kit not installed		Mounted and installed in the cabinet		
	RE	mm		FB	mm	A	mm		PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type
2	300	1	250	160	216	24	●	●	200	MBA160ALA	2CPX041803R9999	MA160ALA	2CPX041376R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MA250ALA

- Unpopulated for load break switch, make ABB OT200E...P – OT630E...P
- 3-pole or 4-pole
- Covers without cutout
- Mounting on mounting cross beam
- The mounting frame must be ordered separately
- Not suitable for fire protection housing, except for modules MBA250ALA and MA250ALA

2	300	1	250	250	-	24	●	●	200	MBA250ALA	2CPX041804R9999	MA250ALA	2CPX041377R9999
3	450	2	500	630	-	72	-	●	275	MBA630ALA	2CPX041805R9999	MA630ALA	2CPX041378R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MBA250ALO

- Unpopulated for load break switch, make ABB OS
- Type OS160GD03PN3P for cabinet depth of 215 mm and above
- Type OS250GD03PN3P for cabinet depth of 225 mm and above
- Covers with cutout for rotary drive
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

3	450	1	250	250	-	36	●	●	215/225	MBA250ALO	2CPX042101R9999	-	-
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\*<sup>1</sup>Ausbau auf EDF-Montagegerüst | \*<sup>2</sup>Ausbau auf WR-Montagegerüst

## Interior expansion system CombiLine N

Universal switch modules, M(B)A...A/line connection M(B)V...



MA630A



MA800A

- Unpopulated, universally usable for different equipment
- Cover without cutout
- With deep cross beams for variable adjustment
- Attachment of equipment via cage nuts
- The mounting frame must be ordered separately
- Not suitable for fire protection housing, except for modules MBA250A and MA250A

Height	Width		I <sub>n</sub>	Useful width		Useful depth		From cabinet depth	Kit not installed		Mounted and installed in the cabinet			
	RE	mm		FB	mm	A	mm		mm	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	Type	Order code
2	300	1	250	250	170	122	24	●	●	200	MBA250A	2CPX041807R9999	MA250A	2CPX041387R9999
3	450	2	500	630	420	122	72	●	●	215	MBA630A	2CPX041808R9999	MA630A	2CPX041388R9999
4	600	2	500	800	420	147	96	-	●	275	MBA800A	2CPX041806R9999	MA800A	2CPX041389R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MA125ALT

- Unpopulated for make ABB, ATS Compact OTM40-125
- Covers with cutout, remaining cutout must be closed with cover strips
- Mounted on DIN-rail 35 x 15 mm
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		I <sub>n</sub>	Equipment		From cabinet depth	Kit not installed		Mounted and installed in the cabinet					
	RE	mm		FB	mm		A	Type	Polarity	PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type
1	150	2	500	40-125	XT2	3-/4-	24	●	●	215	MBA125ALT	2CPX043423R9999	MA125ALT	2CPX042837R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MA400ALT

- Unpopulated for make ABB, ATS TruOne OX30-250, OX260-400, OX30-400
- Covers with cutout
- Mounted on mounting plate
- The mounting frame must be ordered separately
- Not suitable for fire protection housing

Height	Width		I <sub>n</sub>	Equipment		From cabinet depth	Kit not installed		Mounted and installed in the cabinet					
	RE	mm		FB	mm		A	Type	Polarity	PLE	WR* <sup>2</sup>	mm	Type	Order code
1	150	2	500	250	OXB200-250	2-/4-	72	●	●	275	MBA250ALT	2CPX043427R9999	MA250ALT	2CPX043425R9999
		2	500	400	OXB315-400	2-/3-	72	●	●	275	MBA400ALT	2CPX043424R9999	MA400ALT	2CPX043422R9999
		3	750	400	OXB315-400	3-/4-	108	●	●	275	MBA401ALT	2CPX043428R9999	MA401ALT	2CPX043426R9999

\*<sup>2</sup>Expansion on WR mounting frame

## Interior expansion system CombiLine N

Measuring devices/switch cabinet lighting, M(B)U...



MU257

- Unpopulated for 4 measuring devices with installation size 96 x 96 mm
- Arrangement of horizontal measuring devices
- Covers with cutout
- Mounting on mounting cross beam
- The mounting frame must be ordered separately

Height	Width		Measurement devices			From cabinet depth	Kit not installed		Mounted and installed in the cabinet			
	RE	mm	FB	mm	Unit		PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	mm	Type	Order code
1	150	2	500	4	24	●	●	225	MBU257	2CPX041809R9999	MU257	2CPX041390R9999
		3	750	4	36	●	●	225	MBU357	2CPX041810R9999	MU357	2CPX041391R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MU158

MU156

- Unpopulated for 1 or 4 measuring devices with installation size 96 x 96 mm
- At a height of 450 mm with additional DIN rail for rail-mounted devices 12 PLE
- Covers with cutout
- Mounting on mounting cross beam
- The mounting frame must be ordered separately
- M4M only possible in combination with M(B)U156

1	150	1	250	1	12	●	●	225	MBU156	2CPX042043R9999	MU156	2CPX042042R9999
2	300	1	250	4	24	●	●	225	MBU157	2CPX041811R9999	MU157	2CPX041392R9999
3	450	1	250	4	36	●	●	225	MBU158	2CPX041812R9999	MU158	2CPX041393R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MV281

- For the line link from the module to the switch cabinet door
- Covers with cutout for line connection
- With DIN rail and connection hose
- With accessories for securing the hose to the module and the switch cabinet door
- Note the door stop
- The mounting frame must be ordered separately
- Not suitable for fire protection housing
- Cannot be used in the H/HS cabinet

Height	Width		Hose diameter		PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	From cabinet depth	Kit not installed		Mounted and installed in the cabinet	
	RE	mm	FB	mm					mm	Type	Order code	Type
1	150	1	250	M20	12	●	●	225	MBV180	2CPX041815R9999	MV180	2CPX041396R9999
		1	250	M32	12	●	●	225	MBV181	2CPX041816R9999	MV181	2CPX041397R9999
		1	250	M40	12	●	●	225	MBV182	2CPX041817R9999	MV182	2CPX041398R9999
		2	500	M32	24	●	●	225	MBV281	2CPX041818R9999	MV281	2CPX041399R9999
		2	500	M40	24	●	●	225	MBV282	2CPX041819R9999	MV282	2CPX041400R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame

## Interior expansion system CombiLine N

Cable clamp rails, M(B)F...83+84



MF283

- With cable clamp rail for relieving the strain on cables and lines
- Including a cable clamp rail for bolt clamps, see below
- Covers without cutout
- For cabinet depths up to 275 mm
- Cable clamp rail that is variably adjustable in depth via the deep angle piece ZW59P2
- Usable depth from 87 mm to 142 mm
- The mounting frame must be ordered separately

Height RE	Width		PLE	EDF* <sup>1</sup>	WR* <sup>2</sup>	From cabinet depth mm	Kit not installed		Mounted and installed in the cabinet		
	mm	FB mm					Type	Order code	Type	Order code	
1	150	1	250	12	●	●	200	MBF183	2CPX041822R9999	MF183	2CPX041403R9999
		2	500	24	●	●	200	MBF283	2CPX041823R9999	MF283	2CPX041404R9999
		3	750	36	●	●	200	MBF383	2CPX041824R9999	MF383	2CPX041405R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MF284

- With cable clamp rail for relieving the strain on cables and lines
- Including a cable clamp rail for bolt clamps, see below
- Covers without cutout
- For cabinet depths up to 425 mm
- Cable clamp rail that is variably adjustable in depth via the deep angle piece ZW79P2
- Usable depth from 122 mm to 177 mm
- The mounting frame must be ordered separately

1	150	1	250	12	●	●	325	MBF184	2CPX041846R9999	MF184	2CPX041466R9999
		2	500	24	●	●	325	MBF284	2CPX041847R9999	MF284	2CPX041467R9999
		3	750	36	●	●	325	MBF384	2CPX041848R9999	MF384	2CPX041468R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



ZK143

ZK1431P100

Article	Unit	Type	Order code
<b>Boltclamp</b>			
For cable clamp rails			
from 22-28 mm	1	ZK143	2CPX060005R9999
from 40-46 mm	1	ZK144	2CPX060006R9999
from 64-70 mm	1	ZK145	2CPX060007R9999
<b>Saddle clamps for bolt clamps</b>			
For ZK143	100	ZK1431P100	2CPX060251R9999
For ZK144	100	ZK1441P100	2CPX060252R9999
For ZK145	50	ZK1451P50	2CPX060253R9999



## Interior expansion system CombiLine N

Meter with three-point attachment and eHZ meter



MZ160

MZ161

- For meter with three-point attachment on counter carrying plate
- Only suitable for intermediate measurement
- With head part above and below
- Partitions may be necessary, single-story ZX70, double-story ZX72, see below
- The mounting frame must be ordered separately
- Not suitable for fire protection housing
- Observe planning information below

Height	Width		Meter					From cabinet depth	Kit not installed		Mounted and installed in the cabinet	
	RE	mm	FB	mm	Unit	PLE	EDF* <sup>1</sup>		WR* <sup>2</sup>	Type	Order code	Type
3	450	1	250	1	36	-	●	225	MBZ160	2CPX041820R9999	MZ160	2CPX041401R9999
5	750	1	250	2	60	-	●	225	MBZ161	2CPX041821R9999	MZ161	2CPX041402R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



MZ162

MZ163

- For eHZ meter
- Only suitable for intermediate measurement
- For receiving eHZ cartridge (BKE-I), see below
- With head part above and below
- ZX69 partitions may be necessary, see below
- The mounting frame must be ordered separately
- Not suitable for fire protection housing
- Observe planning information below

2	300	1	250	1	24	-	●	225	MBZ162	2CPX042034R9999	MZ162	2CPX042029R9999
2	300	1	250	2	24	-	●	225	MBZ163	2CPX042035R9999	MZ163	2CPX042030R9999

\*<sup>1</sup>Expansion on EDF mounting frame \*<sup>2</sup>Expansion on WR mounting frame

**Planning information:** Note the switch cabinet depth, distance between meter support plate and door at:

TwinLine-G, 225 mm depth = 126.5 - 139 mm, TwinLine-L, 275 mm depth = 141.5 - 154 mm, TwinLine-W, 350 mm depth = 168 - 180.5 mm

TriLine\*, 325 mm depth = 148 mm, TriLine\*, 425 mm depth = 198 mm

Important: Plan at least one module each with a width of 250 mm above and below the meter support plate



## Interior expansion system CombiLine N

Meter with three-point attachment and eHZ meter

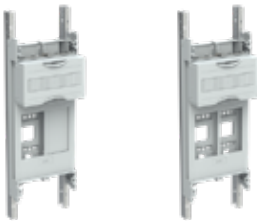


- For meter with three-point attachment on counter carrying plate
- Only suitable for intermediate measurement
- With head part above and below
- Partitions may be necessary, single-story ZX70, double-story ZX72, see below
- The mounting frame must be ordered separately
- Not suitable for fire protection housing
- Observe planning information below

MBZ170 / MBZ171 / MBZ172

Height	Width		Meter			From cabinet depth	Kit not installed		Mounted and installed in the cabinet			
	mm	FB	mm	Unit	PLE		EDF* <sup>1</sup>	WR* <sup>2</sup>	Type	Order code	Type	Order code
2	300	1	250	1	24	-	●	225	MBZ170	2CPX044170R9999	MZ170	2CPX044175R9999
3	450	1	250	1	36	-	●	225	MBZ171	2CPX044171R9999	MZ171	2CPX044176R9999
5	750	1	250	2	60	-	●	225	MBZ172	2CPX044172R9999	MZ172	2CPX044177R9999

\*<sup>1</sup>Expansion on EDF mounting frame | \*<sup>2</sup>Expansion on WR mounting frame



- For eHZ meter
- Only suitable for intermediate measurement
- For receiving eHZ cartridge (BKE-I), see below
- With head part above and below
- ZX69 partitions may be necessary, see below
- The mounting frame must be ordered separately
- Not suitable for fire protection housing
- Observe planning information below

MBZ173 / MBZ174

3	450	1	250	1	36	-	●	225	MBZ173	2CPX044173R9999	MZ173	2CPX044178R9999
3	450	1	250	2	36	-	●	225	MBZ174	2CPX044174R9999	MZ174	2CPX044179R9999

\*<sup>1</sup>Expansion on EDF mounting frame \*<sup>2</sup>Expansion on WR mounting frame



ZX780 / ZX781 / ZX782



ZX70



VS659

Article	Height				Type	Order code
	RE	BH	mm	Unit		
<b>Vertical partitions, plastic</b> For side touch protection in TwinLine-X, not fault arc-proof, to be ordered separately, only needed if meter panel is mounted on the side of TwinLine-X	2	000	300	1	ZX780	2CPX011012R9999
	3	0	450	1	ZX781	2CPX011013R9999
	5	1	750	1	ZX782	2CPX011014R9999
<b>Vertical partitions, plastic</b> Not fault arc-proof, separation from adjacent module, distribution panel, meter panel, partition is inserted in adjacent module in the cover bracket, color similar to RAL 7035	3	00	450	1	ZX69	2CPX039069R9999
	4	0	600	1	ZX70	2CPX039070R9999
	6	2	900	1	ZX72	2CPX039072R9999
<b>eHZ cartridge (BKE-I) with long inlet and outlet lines</b> For electronic household meter (eHZ) With inlet lines 10 mm <sup>2</sup> L1, L2, L3 and N, length 1000 mm without ferrules With outlet lines 10 mm <sup>2</sup> L1, L2 and L3, length 1000 mm without ferrules				1	VS659	2CPX039932R9999

## Interior expansion system CombiLine N

### SMISLINE TP 125 A horizontal or vertical build-up



MC203HS



MC303HS

- SMISLINE TP modules for horizontal device arrangement
- Extension with DIN rails 35 x 15 mm
- Distance between DIN rails 150 mm
- From 3 panels on the DIN rails are equipped with an additional stabilization rail
- **Important:** The SMISLINE TP socket system cannot be connected through from one module to the next
- The mounting frame must be ordered separately

Height	Width						From cabinet depth		Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	PLE	EDF*1	WR*2	mm	Unit	Type	Order code	Type	Order code
2		300	2	500	2x22	●	●	215	1	MBC202HS	2CPX042155R9999	MC202HS	2CPX042132R9999
		300	3	750	2x36	●	●	215	1	MBC302HS	2CPX042156R9999	MC302HS	2CPX042133R9999
3		450	2	500	3x22	●	●	215	1	MBC203HS	2CPX042157R9999	MC203HS	2CPX042134R9999
		450	3	750	3x36	●	●	215	1	MBC303HS	2CPX042158R9999	MC303HS	2CPX042135R9999
4		600	2	500	4x22	●	●	215	1	MBC204HS	2CPX042159R9999	MC204HS	2CPX042136R9999
		600	3	750	4x36	●	●	215	1	MBC304HS	2CPX042160R9999	MC304HS	2CPX042137R9999
5		750	2	500	5x22	●	●	215	1	MBC205HS	2CPX042161R9999	MC205HS	2CPX042138R9999
		750	3	750	5x36	●	●	215	1	MBC305HS	2CPX042162R9999	MC305HS	2CPX042139R9999



MC203VS



MC305VS

- SMISLINE TP modules for vertical device arrangement
- Extension with DIN rails 35 x 15 mm
- The DIN rail in the back are designed for standard N (N disconnection terminals) and PE terminals
- A cable laying grid is included for cable fixing
- The DIN rails and cable laying grids are flush with the module
- **Important:** Vertical cannot be mounted directly adjacent to horizontal cross members or centre support rails
- The mounting frame must be ordered separately

Height	Width						From cabinet depth		Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	PLE	EDF*1	WR*2	mm	Unit	Type	Order code	Type	Order code
3		450	1	250	1x22	●	●	275	1	MBC103VS	2CPX042163R9999	MC103VS	2CPX042140R9999
		450	2	500	2x22	●	●	275	1	MBC203VS	2CPX042164R9999	MC203VS	2CPX042141R9999
4		600	1	250	1x30	●	●	275	1	MBC104VS	2CPX042165R9999	MC104VS	2CPX042142R9999
		600	2	500	2x30	●	●	275	1	MBC204VS	2CPX042166R9999	MC204VS	2CPX042143R9999
		600	3	750	3x30	●	●	275	1	MBC304VS	2CPX042169R9999	MC304VS	2CPX042913R9999
5		750	1	250	1x38	●	●	275	1	MBC105VS	2CPX042167R9999	MC105VS	2CPX042144R9999
		750	2	500	2x38	●	●	275	1	MBC205VS	2CPX042168R9999	MC205VS	2CPX042145R9999
		750	3	750	3x38	●	●	275	1	MBC305VS	2CPX042911R9999	MC305VS	2CPX042910R9999

## Interior expansion system CombiLine N

SMISLINE TP 250 A horizontal or vertical build-up



MC203HP

- SMISLINE TP modules for horizontal device arrangement
- Extension with DIN rails 35 x 15 mm
- Distance between DIN rails 150 mm
- From 3 panels on the DIN rails are equipped with an additional stabilization rail
- **Important:** The SMISLINE TP busbar system cannot be connected through from one module to the next
- The mounting frame must be ordered separately

Height	Width						From cabinet depth		Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	PLE	EDF*1	WR*2	mm	Unit	Type	Order code	Type	Order code
2		300	2	500	2x22	●	●	215	1	MBC202HP	2CPX043360R9999	MC202HP	2CPX043340R9999
		300	3	750	2x36	●	●	215	1	MBC302HP	2CPX043361R9999	MC302HP	2CPX043341R9999
3		450	2	500	3x22	●	●	215	1	MBC203HP	2CPX043362R9999	MC203HP	2CPX043342R9999
		450	3	750	3x36	●	●	215	1	MBC303HP	2CPX043363R9999	MC303HP	2CPX043343R9999
4		600	2	500	4x22	●	●	215	1	MBC204HP	2CPX043364R9999	MC204HP	2CPX043344R9999
		600	3	750	4x36	●	●	215	1	MBC304HP	2CPX043365R9999	MC304HP	2CPX043345R9999
5		750	2	500	5x22	●	●	215	1	MBC205HP	2CPX043366R9999	MC205HP	2CPX043346R9999
		750	3	750	5x36	●	●	215	1	MBC305HP	2CPX043367R9999	MC305HP	2CPX043347R9999



MC203VP

- SMISLINE TP modules for vertical device arrangement
- Extension with DIN rails 35 x 15 mm
- The DIN rail in the back are designed for standard N (N disconnection terminals) and PE terminals
- A cable laying grid is included for cable fixing
- The DIN rails and cable laying grids are flush with the module
- **Important:** Vertical modules cannot be mounted directly adjacent to horizontal cross members or centre support rails
- The mounting frame must be ordered separately

Height	Width						From cabinet depth		Kit not installed		Mounted and installed in the cabinet		
	RE	mm	FB	mm	PLE	EDF*1	WR*2	mm	Unit	Type	Order code	Type	Order code
3		450	2	250	2x22	●	●	275	1	MBC203VP	2CPX043369R9999	MC203VP	2CPX043349R9999
4		600	2	250	2x30	●	●	275	1	MBC204VP	2CPX043371R9999	MC204VP	2CPX043351R9999
		600	3	500	3x30	●	●	275	1	MBC304VP	2CPX043376R9999	MC304VP	2CPX043374R9999
5		750	2	250	2x38	●	●	275	1	MBC205VP	2CPX043373R9999	MC205VP	2CPX043353R9999
		750	3	750	3x38	●	●	275	1	MBC305VP	2CPX043377R9999	MC305VP	2CPX043375R9999

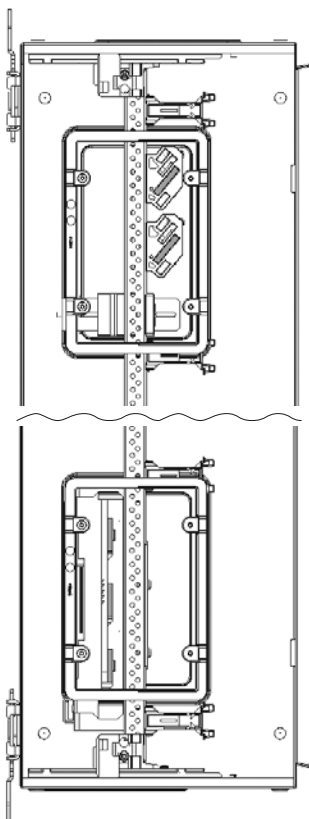
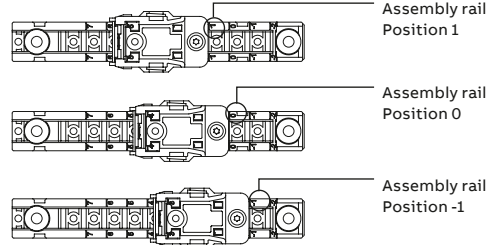
## Interior expansion system CombiLine N

### Module combinations for busbars TwinLine row mountings

The busbar systems for cabinet row mounting of the TwinLine cabinet system can be interconnected for various installation positions, the possible CombiLine N modules. There are modules that are interconnected in front of or behind the mounting frame due to the location of the busbar bracket.

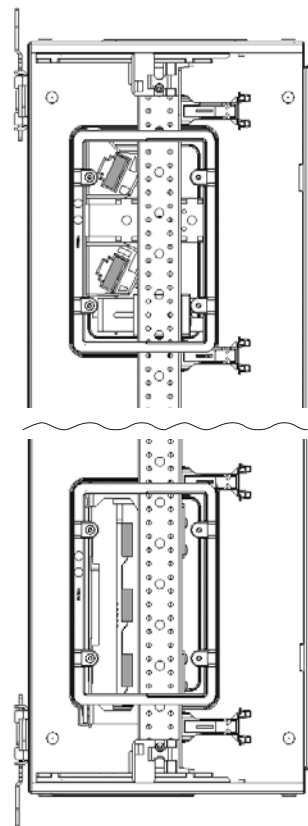
If, for example, an N/PE busbar module is needed in the **top** of the cabinet and a busbar module is needed at the **bottom**, the possibility of combining the different modules must be taken into account. The different adjustment possibilities of the installation positions (1/0/-1) can be taken from the opposite side.

Assembly rail  
Top view



CombiLine N module  
M(B)N...74 above

CombiLine N module  
M(B)S...27 below



CombiLine N module  
M(B)N...62 above

CombiLine N module  
M(B)S...27 below

Example structure on EDF mounting frame  
On mounting position 1 above and below  
in the TwinLine-L cabinet, depth 275 mm

Example structure on WR mounting frame  
On mounting position -1 above and below  
in the TwinLine-L cabinet, depth 275 mm

## Interior expansion system CombiLine N

Module combinations for busbars TwinLine row mountings

### Possible combinations on EDF mounting frame

Module type, below	Module type, above	M(B)S...24			M(B)S...27			M(B)N...74 M(B)N...75			M(B)N...62 M(B)N...63			M(B)R...02			
		Suitable for TwinLine	G	L	W	G	L	W	G	L	W	G	L	W	G	L	W
M(B)S...24	G		1/0/-1			1/0/-1			1/0								1
	L			1/0/-1			1/0/-1			1							1
	W				1/0/-1			1/0/-1			1						1
M(B)S...27	G		1/0/-1			0/-1			1/0								1
	L			1/0/-1			1/0/-1			1*							1
	W				1/0/-1			1/0/-1			1						1
M(B)N...74 M(B)N...75	G		1/0			1/0			1/0								1
	L			1			1			1							1
	W				1			1			1						1
M(B)N...62 M(B)N...63	G																
	L																
	W																
M(B)R...02	G		1			1			1								1
	L			1			1			1							1
	W				1			1			1						1

> Cabinet depths TwinLine-G = 225 mm / TwinLine-L = 275 mm / TwinLine-W = 350 mm

\* Mounting position of the example setup of the opposite side

### Possible combinations on WR mounting frame

Module type, below	Module type, above	M(B)S...24			M(B)S...27			M(B)N...74 M(B)N...75			M(B)N...62 M(B)N...63			M(B)R...02			
		Suitable for TwinLine	G	L	W	G	L	W	G	L	W	G	L	W	G	L	W
M(B)S...24	G		-			-			-								-
	L			-1			-1			-			-1				-
	W				-1			-1			-			-1			-
M(B)S...27	G		-			-1			-								-
	L			-1			-1			-			-1*				-
	W				-1			-1			-			-1			-
M(B)N...74 M(B)N...75	G		-			-			1/0								1
	L			-			-			1							1
	W				-			-			1						1
M(B)N...62 M(B)N...63	G																
	L			-1			-1			-				-1			-
	W				-1			-1			-				-1		-
M(B)R...02	G		-			-			1								1
	L			-			-			1							1
	W				-			-			1						1

> Cabinet depths TwinLine-G = 225 mm / TwinLine-L = 275 mm / TwinLine-W = 350 mm

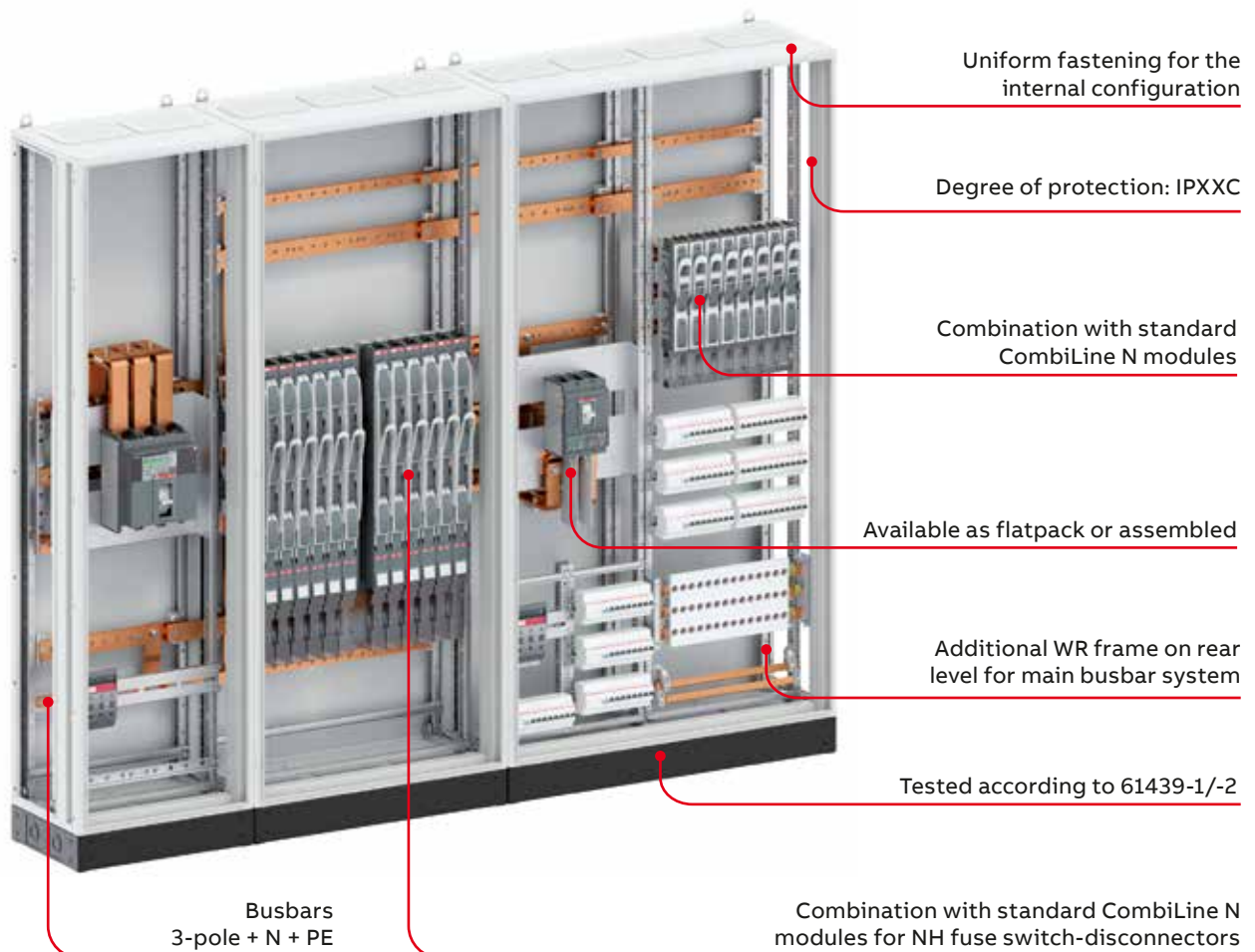
#### Legend for the tables

- 0 = Installation position 0 is possible
- 1 = Installation position 1 is possible
- 1 = Installation position -1 is possible
- 1/0 = Installation positions 1 or 0 are possible
- 0/-1 = Installation positions 0 or -1 are possible
- 1/0/-1 = Installation positions 1 and 0 and -1 are possible

## Distribution panel system CombiLine-X

The extension for the TwinLine-X cabinet system

The extension of the CombiLine N modules up to 1000 A in combination with the TwinLine-X floor-standing enclosures offers new possibilities, especially for panel builders. The new solution optimally meets the practical requirements for a flexible internal configuration with a high degree of protection, quick in assembly, and an ease of installation. The CombiLine-X system is tested according to DIN EN 61439-1/-2 and offers a high safety standard.



- Degree of protection: IPXXC
- Busbars: 3-pole + N + PE
- Main inverter: XT5/XT6/XT7 up to 1250 A; 3/4 pole
- Switch disconnector: OT up to 1.000 A, TruOne up to 800 A
- Rated current ( $I_n$ ): up to 1.000 A
- Single WR-frame / double WR-Frame for MBB
- Connection between breaker/switches and MBB: 800 A + 1.000A 3P, 3+N
- DIN EN 61439-1/-2

## Distribution panel system CombiLine-X

The suitable extension for the TwinLine-X cabinet system



Circuit breaker XT5/XT6/XT7



Switch disconnecter OT



Automatic transfer switch TruOne



Connection busbar cooper



Main busbar system



N/PE busbar



Copper connection in / between cabinets

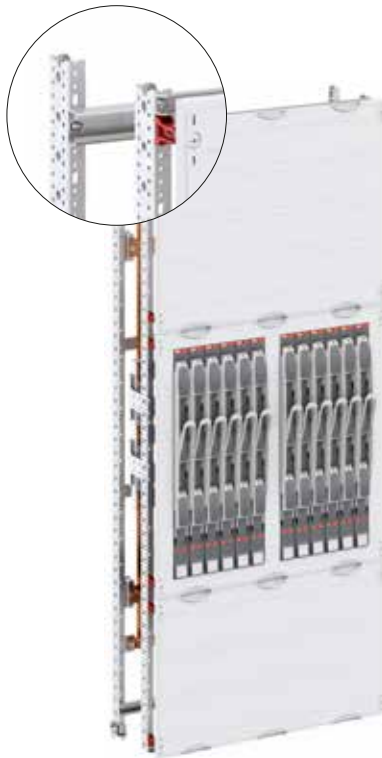


## Distribution panel system CombiLine-X

Extension with WR mounting frame



TwinLine-X floor-standing cabinets  
(earthed/double insulated)



Extension with CombiLine-X modules  
on double WR mounting frame



Extension with standard CombiLine N  
modules on WR mounting frame



## Distribution panel system CombiLine-X

### Technical specifications

#### Complete delivery

The module system panel is completely assembled on the mounting frame with all modules and is delivered installed in the distributor cabinet. The mounting frame must be ordered separately.

**Advantage:** From the list of CombiLine N modules, you chose the modules that are tailored to your object, thereby getting the correct low-voltage distribution in the easiest way.

The module control panel you have thus planned is delivered installed in the cabinet ex works. This way you do not have to spend time looking for system accessories, such as angle brackets, screws or retaining elements. All you need to do is choose the appropriate mounting frame. Our selection StriePlan can take care of this if desired.

#### Delivery as a kit

All of the individual parts required to assemble a module are delivered individually packaged as a kit with instructions for assembly. All you need to do is choose the appropriate mounting frame. The mounting frame must be ordered separately. Our software StriePlan will take care of choosing the mounting frame if desired.

**Advantage:** The kits allow you to be flexible when it comes to warehousing. You do not have to spend time looking for system accessories, such as angle brackets, screws or retaining elements. The enclosed instructions make assembly a breeze. Software support from StriePlan makes planning and calculation perfectly quick and clear.

#### Delivery in individual parts

The desired expansion parts are purchased individually in order to set up, expand or convert a module on your own.

**Advantage:** With a manageable number of individual parts, if necessary you can remain quick and flexible when it comes to setting up, expanding or converting distribution.

Distribution panel system CombiLine N CX, IP2XC			
DIN EN 61439-1/-2/-3 (VDE 0660-600-1/-2/-3)*	X		
DIN 43880 (rail mounting devices)	X		
Rated impulse withstand voltage ( $U_{imp}$ )	6 kV		
Overtoltage category	III		
Degree of pollution	3		
Protection class	I/II		
Internal form of separation	Form 1		
Rated current of the switchgear assembly ( $I_{nA}$ )	up to 1000 A		
	Rail mounting devices acc. to DIN 43880	NH fuses- Switch disconnectors	Busbars systems
Rated peak withstand current ( $I_{pk}$ )	25 kA	up to 52 kA	up to 74 kA
Rated short-time withstand current ( $I_{cw}$ )	12.5 kA	up to 25 kA	up to 35 kA
Rated frequency (f)	50 Hz		
Rated insulation voltage ( $U_i$ )	690 V AC		
Rated operational voltage ( $U_o$ )	400 V AC		

\* The permissible heating for switchgear assemblies up to a rated current of 630 A can be verified with the procedure according to section 10.10.4.2; for the required power loss capacities, please refer to the tables of the respective cabinet series; above a rated current of 630 A, the procedure according to 10.10.4.3 (DIN EN 61439-1 Supplement 2, DIN VDE 0660-600-1 Supplement 2) shall be applied.

## Distribution panel system CombiLine-X

Tmax circuit breaker unequipped (MX...LX)



MX212LX

- Incoming / outgoing module
  - Unequipped for ABB circuit breaker, fixed assembly with connections on front side  
**Tmax (XT5, XT6, XT7) 3-/4-poles**
  - With all cross profiles required and busbar holder ZX522
  - The mounting frames must be ordered separately.
- Important:**
- To be ordered separately: For XT5 ES terminals / for XT6 800 A EF terminals
  - Dim. 150 mm - plan empty modules on the connection side
  - One current transformer can be installed per phase

Height	Width	I <sub>n</sub>	Equipment	From cabinet			Kit not installed		Mounted and installed in the cabinet		
				SU	WR <sup>2</sup>	depth	Type	Order code	Type	Order code	
4	600	2	500 630	Switch module 630A XT5	96	2 x	400	MBX208LX	2CPX044092R9999	MX208LX	2CPX044101R9999
4	600	2	500 630	Switch module 630A XT5 RC, bottom	96	2 x	400	MBX208LXB	2CPX044093R9999	MX208LXB	2CPX044102R9999
4	600	2	500 1000	Switch module 1000A XT6	96	2 x	400	MBX210LX	2CPX044095R9999	MX210LX	2CPX044104R9999
4	600	2	500 1250	Switch module 1250A XT7	96	2 x	400	MBX212LX	2CPX044113R9999	MX212LX	2CPX044114R9999

> Modules to be positioned centrally in the height of the cabinet

## Distribution panel system CombiLine-X

Automatic transfer switch OT unequipped (MX...LA)



MX208LAM

- Incoming / outgoing module
- Unequipped for ABB circuit breaker, fixed assembly with connections on front side  
**OT switch 3-/4-poles**
- With all cross profiles required and busbar holder ZX522  
The mounting frames must be ordered separately.

Height	Width		$I_n$	Equipment			From cabinet depth		Kit not installed		Mounted and installed in the cabinet	
	GU	mm			PW	mm	A	Type	Order code	Type	Order code	
4	600	2	500	800	OT630-800 module, lever on the left	96	2 x	400	MBX208LAL	2CPX044096R9999	MX208LAL	2CPX044105R9999
4	600	2	500	800	OT630-800 module, lever in the centre	96	2 x	400	MBX208LAM	2CPX044097R9999	MX208LAM	2CPX044106R9999
4	600	3	750	1000	OT1000-1250 module, lever on the left	144	2 x	400	MBX310LAL	2CPX044098R9999	MX310LAL	2CPX044107R9999
4	600	3	750	1000	OT1000-1250 module, lever in the centre	144	2 x	400	MBX310LAM	2CPX044099R9999	MX310LAM	2CPX044108R9999

> Modules to be positioned centrally in the height of the cabinet

## Distribution panel system CombiLine-X

Automatic transfer switch (ATS) TruONE unequipped (MX...LU)



MX308LU

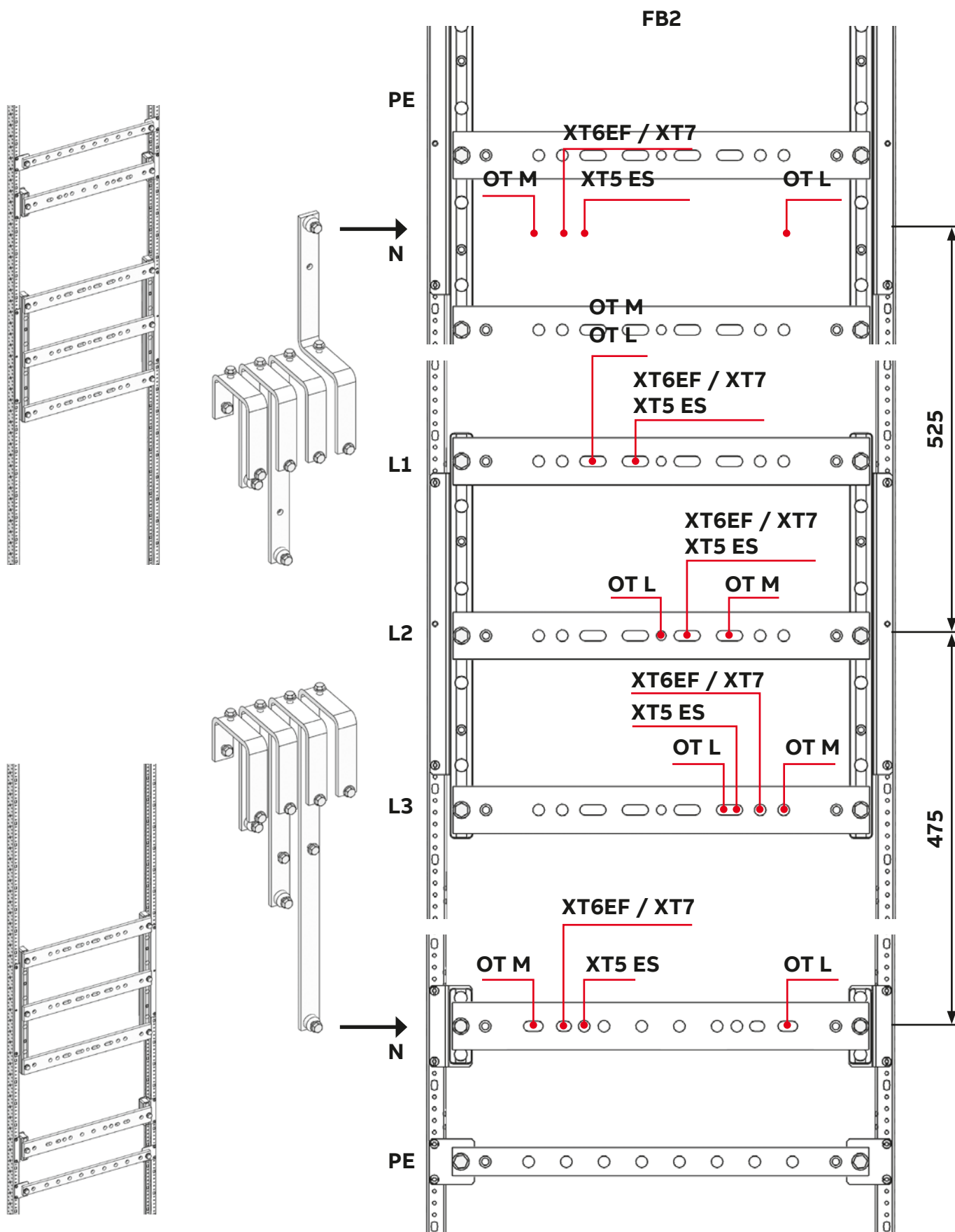
- Incoming terminal block
- Unequipped for ABB automatic transfer switch, fixed assembly with connections on front side  
**ATS switch (TruOne)**  
**TruOne up 3-/4-poles**
- With all cross profiles required and busbar holder ZX522
- The mounting frames must be ordered separately.

Height	Width		$I_n$	Equipment			From cabinet depth		Kit not installed		Mounted and installed in the cabinet	
	GU	mm			PW	mm	A	Type	Order code	Type	Order code	
4	600	3	750	800	ATS500-800 Module	144	2 x	400	MBX308LU	2CPX044100R9999	MX308LU	2CPX044109R9999

> Modules to be positioned centrally in the height of the cabinet

### Distribution panel system CombiLine-X

N/PE horizontal busbar system 290 mm distance



## Distribution panel system CombiLine-X

N/PE horizontal busbar system, (M(B)X.7.N)



MX271N

- For 2-pole busbars
- With busbar holder, type ZX563
- Starting from width 3 with fastening in centre
- Rated current ( $I_n$ ) max. 1000 A
- The mounting frames must be ordered separately.
- Earthed version

Height	Width				SU	EDF <sup>1</sup>	WR <sup>2</sup>	From cabinet depth		Kit not installed		Mounted and installed in the cabinet	
	GU	mm	OW	mm				mm	Unit	Type	Order code	Type	Artikelnummer
3	450	1	250	36	2 x	400	1	MBX171N	2CPX044115R9999	MX171N	2CPX044122R9999		
		2	500	72				MBX271N	2CPX044116R9999	MX271N	2CPX044123R9999		
		3	750	108				MBX371N	2CPX044117R9999	MX371N	2CPX044124R9999		
4	600	1	250	48	2 x	400	1	MBX172N	2CPX044118R9999	MX172N	2CPX044125R9999		
		2	500	96				MBX272N	2CPX044119R9999	MX272N	2CPX044126R9999		
		3	750	144				MBX372N	2CPX044120R9999	MX372N	2CPX044127R9999		



MX281N

- For 2-pole busbars
- With busbar holder, type ZX563
- Starting from width 3 with fastening in centre
- Rated current ( $I_n$ ) max. 1000 A
- The mounting frames must be ordered separately.
- Double insulated version

Height	Width				SU	EDF <sup>1</sup>	WR <sup>2</sup>	From cabinet depth		Kit not installed		Mounted and installed in the cabinet	
	GU	mm	PW	mm				mm	Unit	Type	Order code	Type	Artikelnummer
3	450	1	250	36	2 x	400	1	MBX181N	2CPX044128R9999	MX181N	2CPX044134R9999		
		2	500	72				MBX281N	2CPX044129R9999	MX281N	2CPX044135R9999		
		3	750	108				MBX381N	2CPX044130R9999	MX381N	2CPX044136R9999		
4	600	1	250	48	2 x	400	1	MBX182N	2CPX044131R9999	MX182N	2CPX044137R9999		
		2	500	96				MBX282N	2CPX044132R9999	MX282N	2CPX044138R9999		
		3	750	144				MBX382N	2CPX044133R9999	MX382N	2CPX044139R9999		

## Distribution panel system CombiLine-X

Connection busbar system, Tmax circuit breaker



ZX2612

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **Tmax XT5**, fixed assembly with connections on front side (with ES connection, to be ordered separately)
- Distance between centres of connections 58 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- holder set not included in scope of delivery and to be ordered separately
- ES terminals to be ordered separately

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
40 x 10	630	3 poles	1	ZX2610	2CPX044242R9999	ZXM2610	2CPX044315R9999
40 x 10	630	3-pole + N on top	1	ZX2611	2CPX044243R9999	ZXM2611	2CPX044316R9999
40 x 10	630	3-pole + N on bottom	1	ZX2612	2CPX044244R9999	ZXM2612	2CPX044317R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side



ZX2615

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **Tmax XT6 (800 A)**, fixed assembly with connections on front side (with EF connection, to be ordered separately)
- Distance between centres of connections 70.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- holder set not included in scope of delivery and to be ordered separately
- EF terminals to be ordered separately

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
40 x 10	800	3 poles	1	ZX2613	2CPX044245R9999	ZXM2613	2CPX044318R9999
40 x 10	800	3-pole + N on top	1	ZX2614	2CPX044246R9999	ZXM2614	2CPX044319R9999
40 x 10	800	3-pole + N on bottom	1	ZX2615	2CPX044247R9999	ZXM2615	2CPX044320R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side

## Distribution panel system CombiLine-X

Connection busbar system, Tmax circuit breaker



ZX2618

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **Tmax XT6 (1000 A)**, fixed assembly with connections on front side
- Distance between centres of connections 70.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

**Important:**

- holder set not included in scope of delivery and to be ordered separately

Cu busbars mm	I <sub>n</sub> A	Description	Unit	Kit not installed			Mounted and installed in the cabinet	
				Type	Order code	EUR	Type	Order code
50 x 10	1000	3 poles	1	ZX2616	2CPX044248R9999	515.00	ZXM2616	2CPX044321R9999
50 x 10	1000	3-pole + N on top	1	ZX2617	2CPX044249R9999	672.00	ZXM2617	2CPX044322R9999
50 x 10	1000	3-pole + N on bottom	1	ZX2618	2CPX044250R9999	743.00	ZXM2618	2CPX044323R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side



ZX2633

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **Tmax XT7 (1250 A)**, fixed assembly with connections on front side
- Distance between centres of connections 70.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

**Important:**

- holder set not included in scope of delivery and to be ordered separately

Cu busbars mm	I <sub>n</sub> A	Description	Unit	Kit not installed			Mounted and installed in the cabinet	
				Type	Order code	EUR	Type	Order code
2 x 50 x 10	1000	3 poles	1	ZX2631	2CPX044428R9999	644.00	ZXM2631	2CPX044431R9999
2 x 50 x 10	1000	3-pole + N on top	1	ZX2632	2CPX044429R9999	806.00	ZXM2632	2CPX044432R9999
2 x 50 x 10	1000	3-pole + N on bottom	1	ZX2633	2CPX044430R9999	896.00	ZXM2633	2CPX044433R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side

## Distribution panel system CombiLine-X

Connection busbar system, OT/ATS switches



ZX2621

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **OT800 (800 A)**, fixed assembly with connections on front side
- Distance between centres of connections 65.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

**Important:**

- holder set not included in scope of delivery and to be ordered separately

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
40 x 10	800	3 poles	1	ZX2619	2CPX044251R9999	ZXM2619	2CPX044324R9999
40 x 10	800	3-pole + N on top	1	ZX2620	2CPX044252R9999	ZXM2620	2CPX044325R9999
40 x 10	800	3-pole + N on bottom	1	ZX2621	2CPX044253R9999	ZXM2621	2CPX044326R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side



ZX2624

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **OT1000-1250 (800 A)**, fixed assembly with connections on front side
- Distance between centres of connections 70.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

**Important:**

- holder set not included in scope of delivery and to be ordered separately

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
40 x 10	800	3 poles	1	ZX2622	2CPX044254R9999	ZXM2622	2CPX044327R9999
40 x 10	800	3-pole + N on top	1	ZX2623	2CPX044255R9999	ZXM2623	2CPX044328R9999
40 x 10	800	3-pole + N on bottom	1	ZX2624	2CPX044256R9999	ZXM2624	2CPX044329R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side



## Distribution panel system CombiLine-X

Connection busbar system, OT/ATS switches



- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **OT1000-1250 (1000 A)**, fixed assembly with connections on front side
- Distance between centres of connections 65.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- holder set not included in scope of delivery and to be ordered separately

### ZX2627

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
50 x 10	1000	3 poles	1	ZX2625	2CPX044257R9999	ZXM2625	2CPX044330R9999
50 x 10	1000	3-pole + N on top	1	ZX2626	2CPX044258R9999	ZXM2626	2CPX044331R9999
50 x 10	1000	3-pole + N on bottom	1	ZX2627	2CPX044259R9999	ZXM2627	2CPX044332R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side



- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **ATS800 (800 A)**, fixed assembly with connections on front side
- Distance between centres of connections 65.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- holder set not included in scope of delivery and to be ordered separately

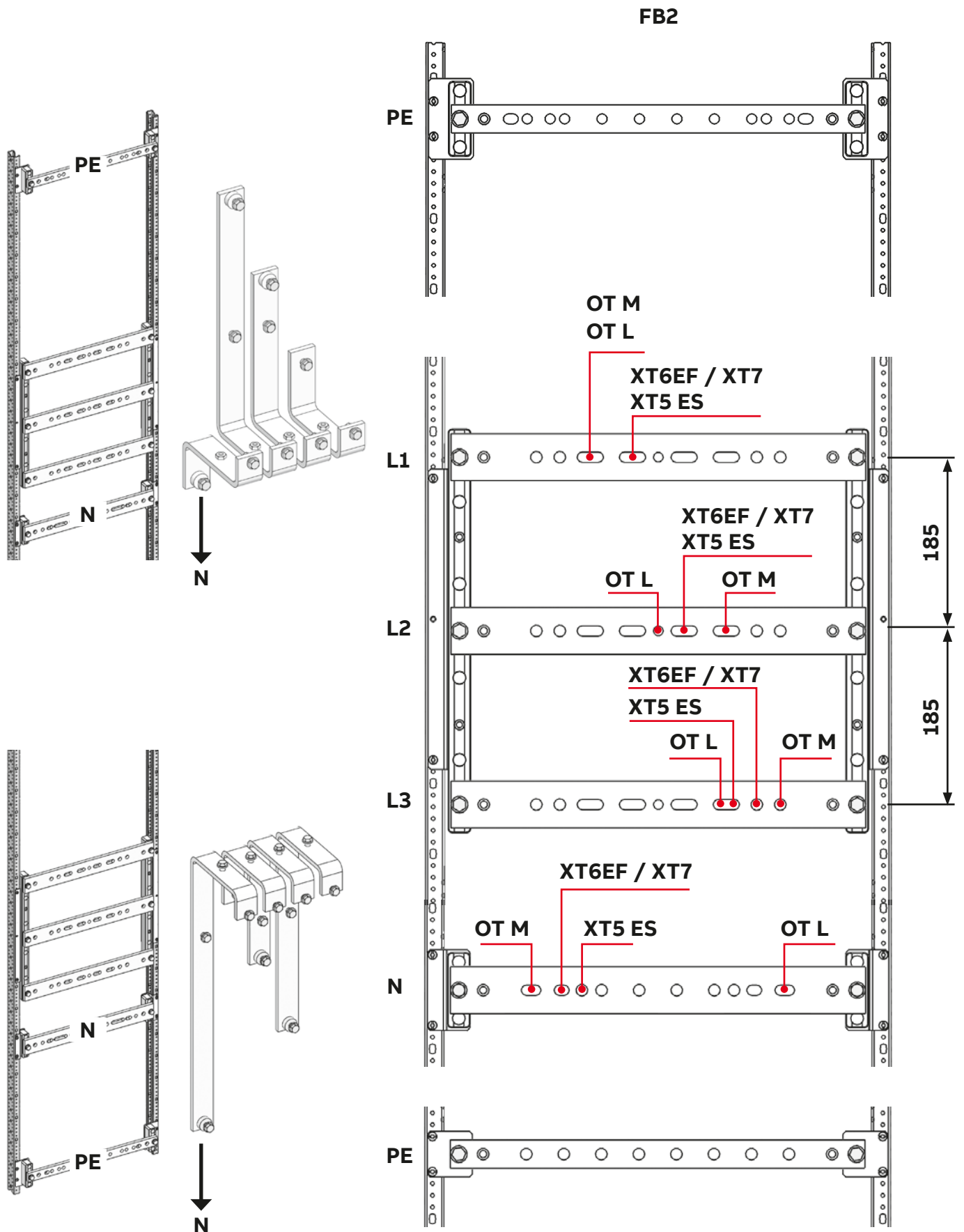
### ZX2630

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
40 x 10	800	3 poles	1	ZX2628	2CPX044260R9999	ZXM2628	2CPX044333R9999
40 x 10	800	3-pole + N on top	1	ZX2629	2CPX044261R9999	ZXM2629	2CPX044334R9999
40 x 10	800	3-pole + N on bottom	1	ZX2630	2CPX044262R9999	ZXM2630	2CPX044335R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side

### Distribution panel system CombiLine-X

N/PE horizontal busbar system 185mm distance



## Distribution panel system CombiLine-X

N/PE horizontal busbar system, M(B)X.7.N / M(B)X.7.P / M(B)X.8.P



MX270N

- For N-busbars
- With busbar holder, type ZX563
- Starting from width 3 with fastening in centre
- Rated current ( $I_n$ ) max. 1000 A
- The mounting frames must be ordered separately
- Earthed and double insulated version

Height	Width				From cabinet depth				Kit not installed		Mounted and installed in the cabinet	
	GU	mm	OW	mm	SU	EDF <sup>1</sup>	WR <sup>2</sup>	mm	Unit	Type	Order code	Type
1	150	1	250	12		2 x	400	1	MBX170N	2CPX044161R9999	MX170N	2CPX044140R9999
		2	500	24		2 x	400	1	MBX270N	2CPX044162R9999	MX270N	2CPX044141R9999
		3	750	36		2 x	400	1	MBX370N	2CPX044163R9999	MX370N	2CPX044142R9999

\* N module always mounted below incomer/outgoing module (4-pole-system)



MX270P

- For PE-busbars
- Starting from width 3 with fastening in centre
- Rated current ( $I_n$ ) max. 1000 A
- The mounting frames must be ordered separately.
- Earthed version

Height	Width				From cabinet depth				Kit not installed		Mounted and installed in the cabinet	
	GU	mm	PW	mm	SU	EDF <sup>1</sup>	WR <sup>2</sup>	mm	Unit	Type	Order code	Type
1	150	1	250	12		2 x	400	1	MBX170P	2CPX044164R9999	MX170P	2CPX044143R9999
		2	500	24		2 x	400	1	MBX270P	2CPX044165R9999	MX270P	2CPX044144R9999
		3	750	26		2 x	400	1	MBX370P	2CPX044166R9999	MX370P	2CPX044145R9999

\* PE module can be mounted on top/bottom side of the enclosure



MX280P

- For PE-busbars
- With busbar holder, type ZX563
- Starting from width 3 with fastening in centre
- Rated current ( $I_n$ ) max. 1000 A
- The mounting frames must be ordered separately
- Double insulated version

Height	Width				From cabinet depth				Kit not installed		Mounted and installed in the cabinet	
	GU	mm	OW	mm	SU	EDF <sup>1</sup>	WR <sup>2</sup>	mm	Unit	Type	Order code	Type
1	150	1	250	12		2 x	400	1	MBX180P	2CPX044167R9999	MX180P	2CPX044146R9999
		2	500	24		2 x	400	1	MBX280P	2CPX044168R9999	MX280P	2CPX044147R9999
		3	750	36		2 x	400	1	MBX380P	2CPX044169R9999	MX380P	2CPX044148R9999

\* PE module can be mounted on top/bottom side of the enclosure

## Distribution panel system CombiLine-X

Connection busbar system, Tmax circuit breaker



ZX2912

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **Tmax XT5**, fixed assembly with connections on front side (with ES connection, to be ordered separately)
- Distance between centres of connections 58 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- Holder set not included in scope of delivery and to be ordered separately
- ES terminals to be ordered separately

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
40 x 10	630	3-pole + N / cable connection on top	1	ZX2911	2CPX044445R9999	ZXM2911	2CPX044461R9999
40 x 10	630	3-pole + N / cable connection on bottom	1	ZX2912	2CPX044446R9999	ZXM2912	2CPX044462R9999



ZX2915

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **Tmax XT6 (800 A)**, fixed assembly with connections on front side (with EF connection, to be ordered separately)
- Distance between centres of connections 70.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- Holder set not included in scope of delivery and to be ordered separately
- EF terminals to be ordered separately

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
40 x 10	800	3-pole + N / cable connection on top	1	ZX2914	2CPX044447R9999	ZXM2914	2CPX044463R9999
40 x 10	800	3-pole + N / cable connection on bottom	1	ZX2915	2CPX044448R9999	ZXM2915	2CPX044464R9999

## Distribution panel system CombiLine-X

Connection busbar system, Tmax circuit breaker



ZX2918

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **Tmax XT6 (1000 A)**, fixed assembly with connections on front side
- Distance between centres of connections 70.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- Holder set not included in scope of delivery and to be ordered separately

Cu busbars	$I_n$	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
50 x 10	1000	3-pole + N / cable connection on top	1	ZX2917	2CPX044449R9999	ZXM2917	2CPX044465R9999
50 x 10	1000	3-pole + N / cable connection on bottom	1	ZX2918	2CPX044450R9999	ZXM2918	2CPX044466R9999



ZX2933

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **Tmax XT7 (1250 A)**, fixed assembly with connections on front side
- Distance between centres of connections 70.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- Holder set not included in scope of delivery and to be ordered separately

Cu busbars	$I_n$	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
2 x 50 x 10	1000	3-pole + N / cable connection on top	1	ZX2932	2CPX044421R9999	ZXM2932	2CPX044467R9999
2 x 50 x 10	1000	3-pole + N / cable connection on bottom	1	ZX2933	2CPX044452R9999	ZXM2933	2CPX044468R9999

## Distribution panel system CombiLine-X

Connection busbar system, OT/ATS switches



ZX2921

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **OT800 (800 A)**, fixed assembly with connections on front side
- Distance between centres of connections 65.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- Holder set not included in scope of delivery and to be ordered separately

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
40 x 10	800	3-pole + N / cable connection on top	1	ZX2920	2CPX044453R9999	ZXM2920	2CPX044469R9999
40 x 10	800	3-pole + N / cable connection on bottom	1	ZX2921	2CPX044454R9999	ZXM2921	2CPX044470R9999



ZX2924

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **OT1000-1250 (800 A)**, fixed assembly with connections on front side
- Distance between centres of connections 70.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- Holder set not included in scope of delivery and to be ordered separately

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
40 x 10	800	3-pole + N / cable connection on top	1	ZX2923	2CPX044455R9999	ZXM2923	2CPX044471R9999
40 x 10	800	3-pole + N / cable connection on bottom	1	ZX2924	2CPX044456R9999	ZXM2924	2CPX044472R9999

## Distribution panel system CombiLine-X

Connection busbar system, OT/ATS switches



ZX2927

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **OT1000-1250 (1000 A)**, fixed assembly with connections on front side
- Distance between centres of connections 65.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- Holder set not included in scope of delivery and to be ordered separately

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
50 x 10	1000	3-pole + N / cable connection on top	1	ZX2926	2CPX044457R9999	ZXM2926	2CPX044473R9999
50 x 10	1000	3-pole + N / cable connection on bottom	1	ZX2927	2CPX044458R9999	ZXM2927	2CPX044474R9999



ZX2930

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **ATS800 (800 A)**, fixed assembly with connections on front side
- Distance between centres of connections 65.0 mm
- One current transformer can be installed per phase
- Including all fastening screws for connecting the circuit-breaker and supporting set

### Important:

- Holder set not included in scope of delivery and to be ordered separately

Cu busbars	I <sub>n</sub>	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
				Type	Order code	Type	Order code
40 x 10	800	3-pole + N / cable connection on top	1	ZX2929	2CPX044459R9999	ZXM2929	2CPX044475R9999
40 x 10	800	3-pole + N / cable connection on bottom	1	ZX2930	2CPX044460R9999	ZXM2930	2CPX044476R9999

## Distribution panel system CombiLine-X

### holder set connecting busbar system



ZX2652

- Connecting busbar system holder set made of GFRP
- Connection of incoming/outgoing module to the main busbar system
- ABB **Tmax XT5** switch, fixed assembly with connections on front side
- Distance between centres of connections 46.5 mm

Cu busbars					Kit not installed		Mounted and installed in the cabinet	
mm	A	Description	CBB holder L	Unit	Type	Order code	Type	Order code
40 x 10	630	3-pole	148 mm	2	ZX2650	2CPX044410R9999	ZXM2650	2CPX044390R9999
40 x 10	630	3-pole + N on top	202 mm	2	ZX2651	2CPX044411R9999	ZXM2651	2CPX044391R9999
40 x 10	630	3-pole + N on bottom	202 mm	2	ZX2652	2CPX044412R9999	ZXM2652	2CPX044392R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side



ZX2658

- Connecting busbar system holder set made of GFRP
- Connection of incoming/outgoing module to the main busbar system
- ABB **Tmax XT6/XT7** switch, fixed assembly with connections on front side
- Distance between centres of connections 70.0 mm

Cu busbars					Kit not installed		Mounted and installed in the cabinet	
mm	A	Description	CBB holder L	Unit	Type	Order code	Type	Order code
40 x 10/50 x 10	800/1000	3-pole	190 mm	2	ZX2656	2CPX044413R9999	ZXM2656	2CPX044393R9999
40 x 10/50 x 10	800/1000	3-pole + N on top	260 mm	2	ZX2657	2CPX044414R9999	ZXM2657	2CPX044394R9999
40 x 10/50 x 10	800/1000	3-pole + N on bottom	260 mm	2	ZX2658	2CPX044415R9999	ZXM2658	2CPX044395R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side



ZX2661

- Connecting busbar system holder set made of GFRP
- Connection of incoming/outgoing module for main busbar system
- ABB **OT800 (800 A) lever on the left/ATS500-800**, fixed assembly with connections on front side
- Distance between centres of connections 65.0 mm

Cu busbars					Kit not installed		Mounted and installed in the cabinet	
mm	A	Description	CBB holder L	Unit	Type	Order code	Type	Order code
40 x 10	800	3 poles	170 mm	2	ZX2659	2CPX044416R9999	ZXM2659	2CPX044396R9999
40 x 10	800	3-pole + N on top	235 mm	2	ZX2660	2CPX044417R9999	ZXM2660	2CPX044397R9999
40 x 10	800	3-pole + N on bottom	235 mm	2	ZX2661	2CPX044418R9999	ZXM2661	2CPX044398R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side



## Distribution panel system CombiLine-X

### holder set connecting busbar system



ZX2664

- Connecting busbar system holder set made of GFRP
- Connection of incoming/outgoing module to the main busbar system
- **ABB OT800 (800 A) lever in the centre,** fixed assembly with connections on front side
- Distance between centres of connections 65.0 mm

Cu busbars					Kit not installed		Mounted and installed in the cabinet	
mm	A	Description	CBB holder L	Unit	Type	Order code	Type	Order code
40 x 10	800	3-pole	35 mm	2	ZX2662	2CPX044419R9999	ZXM2662	2CPX044399R9999
40 x 10	800	3-pole + N on top	300 mm	2	ZX2663	2CPX044420R9999	ZXM2663	2CPX044400R9999
40 x 10	800	3-pole + N on bottom	300 mm	2	ZX2664	2CPX044421R9999	ZXM2664	2CPX044401R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side



ZX2667

- Connecting busbar system holder set made of GFRP
- Connection of incoming/outgoing module to the main busbar system
- **ABB switch OT1000-1250 (1000 A) lever on the left,** fixed assembly with connections on front side
- Distance between centres of connections 80.0 mm

Cu busbars					Kit not installed		Mounted and installed in the cabinet	
mm	A	Description	CBB holder L	Unit	Type	Order code	Type	Order code
50 x 10	1000	3-pole	210 mm	2	ZX2665	2CPX044422R9999	ZXM2665	2CPX044402R9999
50 x 10	1000	3-pole + N on top	290 mm	2	ZX2666	2CPX044423R9999	ZXM2666	2CPX044403R9999
50 x 10	1000	3-pole + N on bottom	290 mm	2	ZX2667	2CPX044424R9999	ZXM2667	2CPX044404R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side



ZX2670

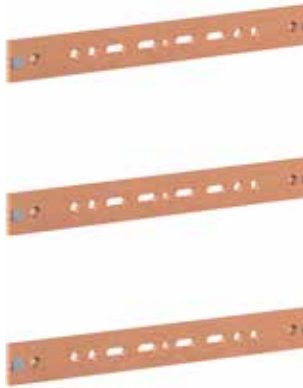
- Connecting busbar system holder set made of GFRP
- Connection of incoming/outgoing module to the main busbar system
- **ABB switch OT1000-1250 (1000 A) lever in the centre,** fixed assembly with connections on front side
- Distance between centres of connections 80.0 mm

Cu busbars					Kit not installed		Mounted and installed in the cabinet	
mm	A	Description	CBB holder L	Unit	Type	Order code	Type	Order code
50 x 10	1000	3-pole	290 mm	2	ZX2668	2CPX044425R9999	ZXM2668	2CPX044405R9999
50 x 10	1000	3-pole + N on top	374 mm	2	ZX2669	2CPX044426R9999	ZXM2669	2CPX044406R9999
50 x 10	1000	3-pole + N on bottom	300 mm	2	ZX2670	2CPX044427R9999	ZXM2670	2CPX044407R9999

> N on top = N across from breaker connection side; N on bottom = N on same side as breaker connection side

## Distribution panel system CombiLine-X


### Main busbar system (MBB) and holder set



- Universal busbars made of copper
- For incoming/outgoing modules
- Prepared to be fitted with **XT5/XT6/XT7/OT630-800-1000-1250/ATS500-800**
- Including fastening elements
- For the position of the different switch variants see mounting instructions
- Prepared for side-by-side cabinet connection on both sides

#### ZX2692

PW	I <sub>n</sub> A	Cu busbars		Unit	Flatpack not assembled		Assembled Fitted in the cabinet	
		mm	Description		Type	Order code	Type	Order code
2	630	30 x 10	HSS 630 A	3	ZX2690	2CPX044263R9999	ZXM2690	2CPX044336R9999
	850	40 x 10	XT5/XT6/XT7/OT630-800	3	ZX2691	2CPX044264R9999	ZXM2691	2CPX044337R9999
	1000	50 x 10	XT5/XT6/XT7/OT630-800	3	ZX2692	2CPX044265R9999	ZXM2692	2CPX044338R9999
3	630	30 x 10	HSS 630 A	3	ZX2693	2CPX044266R9999	ZXM2693	2CPX044339R9999
	850	40 x 10	OT1000-1250/ATS500-800	3	ZX2694	2CPX044267R9999	ZXM2694	2CPX044340R9999
	1000	50 x 10	OT1000-1250/ATS500-800	3	ZX2695	2CPX044268R9999	ZXM2695	2CPX044341R9999

Article	Description	Unit	Flatpack not assembled		Assembled Fitted in the cabinet	
			Type	Order code	Type	Order code
	MBB holder set 185 mm For PW 2 and 3, consisting of brackets (ZX522) and busbar holders, incl. fastening material*	1	ZX2700	2CPX044408R9999	ZXM2700	2CPX044388R9999

#### ZX2700

\* included in the modules' scope of delivery

## Distribution panel system CombiLine-X

### N/PE busbars and holder set



ZX2722

- N/PE Universal busbars made of copper
- For incoming/outgoing modules
- Including fastening elements
- For the position of the different switch variants  
see mounting instructions
- Prepared for side-by-side cabinet connection on both sides
- The current carrying capacity is 100 % of the outer conductors of the MBB.


PW	I <sub>n</sub> A	Cu busbars		Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	Description		Type	Order code	Type	Order code
1	630	30 x 10	N/PE 630 A	1	ZX2717	2CPX042333R9999	ZXM2717	2CPX042441R9999
	850	40 x 10	N/PE 850 A	1	ZX2718	2CPX042334R9999	ZXM2718	2CPX042442R9999
	1000	50 x 10	N/PE 1000 A	1	ZX2719	2CPX042335R9999	ZXM2719	2CPX042443R9999
2	630	30 x 10	N/PE 630 A	1	ZX2720	2CPX044269R9999	ZXM2720	2CPX044342R9999
	850	40 x 10	N/PE -XT5/XT6/XT7/OT630-800	1	ZX2721	2CPX044270R9999	ZXM2721	2CPX044343R9999
	1000	50 x 10	N/PE -XT5/XT6/XT7/OT630-800	1	ZX2722	2CPX044271R9999	ZXM2722	2CPX044344R9999
3	630	30 x 10	N/PE 630 A	1	ZX2723	2CPX044272R9999	ZXM2723	2CPX044345R9999
	850	40 x 10	N/PE - OT1000-1250/ATS500-800	1	ZX2724	2CPX044273R9999	ZXM2724	2CPX044346R9999
	1000	50 x 10	N/PE - OT1000-1250/ATS500-800	1	ZX2725	2CPX044274R9999	ZXM2725	2CPX044347R9999



ZX2742

- PE Universal busbars made of copper
- Including fastening elements
- Prepared for side-by-side cabinet connection on both sides
- The current carrying capacity is 50 % of the outer conductors of the MBB.

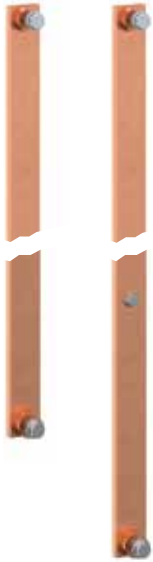
PW	I <sub>n</sub> A	Cu busbars		Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	Description		Type	Order code	Type	Order code
1	630	30 x 5	Cu busbar PE (50 %)	1	ZX2737	2CPX042336R9999	ZXM2737	2CPX042444R9999
	850	20 x 10	Cu busbar PE (50 %)	1	ZX2738	2CPX042337R9999	ZXM2738	2CPX042445R9999
	1000	30 x 10	Cu busbar PE (50 %)	1	ZX2739	2CPX042338R9999	ZXM2739	2CPX042446R9999
2	630	30 x 5	Cu busbar PE (50 %)	1	ZX2740	2CPX044275R9999	ZXM2740	2CPX044348R9999
	850	20 x 10	Cu busbar PE (50 %)	1	ZX2741	2CPX044276R9999	ZXM2741	2CPX044349R9999
	1000	30 x 10	Cu busbar PE (50 %)	1	ZX2742	2CPX044277R9999	ZXM2742	2CPX044350R9999
3	630	30 x 5	Cu busbar PE (50 %)	1	ZX2743	2CPX044278R9999	ZXM2743	2CPX044351R9999
	850	20 x 10	Cu busbar PE (50 %)	1	ZX2744	2CPX044279R9999	ZXM2744	2CPX044352R9999
	1000	30 x 10	Cu busbar PE (50 %)	1	ZX2745	2CPX044280R9999	ZXM2745	2CPX044353R9999

Article	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
			Type	Order code	Type	Order code
 <b>ZXM2760</b> <b>ZXM2761</b>	<b>Horizontal holder set</b> For N-connection consisting of mounting brackets and busbar holders (ZX563), incl. fastening material* up to 50 x 10 (1000 A)					
	earthed	1	ZX2760	2CPX044409R9999	ZXM2760	2CPX044389R9999
	double insulated	1	ZX2761	2CPX043457R9999	ZXM2761	2CPX043459R9999

\* included in the modules' scope of delivery

## Distribution panel system CombiLine-X

N and PE busbars, vertical and central earthing point (CEP),  $\perp$



- N universal busbars made of copper
- For the link from bottom to top compartment
- Including fastening elements
- The current carrying capacity is 100 % (N) and 50 % (PE) of the outer conductors of the MBB.
- The holder set ZX(M)2860P2 must be ordered separately.
- Earthed version

ZX2856 ZX2852


I <sub>n</sub>	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
	A	mm	Description	Unit	Type	Order code	Type
630	30 x 10	Cu busbar N, vertical	1	ZX2855	2CPX043445R9999	ZXM2855	2CPX044439R9999
800	40 x 10	Cu-busbar N, vertical	1	ZX2856	2CPX043446R9999	ZXM2856	2CPX044440R9999
1000	50 x 10	Cu-busbar N, vertical	1	ZX2857	2CPX043447R9999	ZXM2857	2CPX044441R9999
630	30 x 5	Cu busbar PE, vertical	1	ZX2850	2CPX043440R9999	ZXM2850	2CPX044434R9999
800	20 x 10	Cu busbar PE, vertical	1	ZX2851	2CPX043441R9999	ZXM2851	2CPX044435R9999
1000	30 x 10	Cu busbar PE, vertical	1	ZX2852	2CPX043442R9999	ZXM2852	2CPX044436R9999
800	40 x 10	Cu busbar PE, vertical	1	ZX2853	2CPX043443R9999	ZXM2853	2CPX044437R9999
1000	50 x 10	Cu busbar PE, vertical	1	ZX2854	2CPX043444R9999	ZXM2854	2CPX044438R9999



- Central earthing point made of copper
- For the link from bottom to top compartment
- PEN /N bar and the PE bar
- The current carrying capacity is 50 % of the outer conductors of the MBB.
- Earthed version

ZX2866

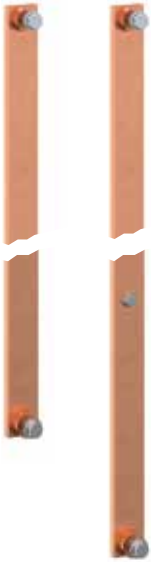
I <sub>n</sub>	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
	A	mm	Description	Unit	Type	Order code	Type
630	30 x 10	Cu busbar ZEP	1	ZX2865	2CPX043448R9999	ZXM2865	2CPX044442R9999
800	40 x 10	Cu busbar ZEP	1	ZX2866	2CPX043449R9999	ZXM2866	2CPX044443R9999
1000	50 x 10	Cu busbar ZEP	1	ZX2867	2CPX043450R9999	ZXM2867	2CPX044444R9999

Article	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
			Type	Order code	Type	Order code
	holder set for vertical N /PE bar, consisting of mounting brackets and busbar holders (ZX563) incl. fastening material up to 50 x 10 (1000 A)	2	ZX2860P2	2CPX062800R9999	ZXM2860P2	2CPX039277R9999

ZX2860P2

## Distribution panel system CombiLine-X

N and PE busbars, vertical and central earthing point (CEP), 



- N universal busbars made of copper
- For the link from bottom to top compartment
- Including fastening elements
- The current carrying capacity is 100 % (N) and 50 % (PE) of the outer conductors of the MBB.
- The holder set ZX(M)2860P2 must be ordered separately.
- Double insulated version

ZX2856 ZX2882


I <sub>n</sub>	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
	mm	Description	Unit	Type	Order code	Type	Order code
630	30 x 10	Cu busbar N, vertical	1	ZX2855	2CPX043445R9999	ZXM2855	2CPX044439R9999
800	40 x 10	Cu-busbar N, vertical	1	ZX2856	2CPX043446R9999	ZXM2856	2CPX044440R9999
1000	50 x 10	Cu-busbar N, vertical	1	ZX2857	2CPX043447R9999	ZXM2857	2CPX044441R9999
630	30 x 5	Cu busbar PE, vertical	1	ZX2880	2CPX043461R9999	ZXM2880	2CPX043466R9999
800	20 x 10	Cu busbar PE, vertical	1	ZX2881	2CPX043462R9999	ZXM2881	2CPX043467R9999
1000	30 x 10	Cu busbar PE, vertical	1	ZX2882	2CPX043463R9999	ZXM2882	2CPX043468R9999
800	40 x 10	Cu busbar PE, vertical	1	ZX2883	2CPX043464R9999	ZXM2883	2CPX043469R9999
1000	50 x 10	Cu busbar PE, vertical	1	ZX2884	2CPX043465R9999	ZXM2884	2CPX043470R9999



ZX2876

- Central earthing point made of copper
- For the link from bottom to top compartment
- PEN /N bar and the PE bar
- The current carrying capacity is 50 % of the outer conductors of the MBB.
- Double insulated version

I <sub>n</sub>	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
	mm	Description	Unit	Type	Order code	Type	Order code
630	30 x 10	Cu busbar ZEP	1	ZX2875	2CPX043451R9999	ZXM2875	2CPX043454R9999
800	40 x 10	Cu busbar ZEP	1	ZX2876	2CPX043452R9999	ZXM2876	2CPX043455R9999
1000	50 x 10	Cu busbar ZEP	1	ZX2877	2CPX043453R9999	ZXM2877	2CPX043456R9999

Article	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
			Type	Order code	Type	Order code
	holder set for vertical N /PE bar, consisting of mounting brackets and busbar holders (ZX563) incl. fastening material up to 50 x 10 (1000 A)	2	ZX2861P2	2CPX043458R9999	ZXM2861P2	2CPX043460R9999

ZX2861P2

## Distribution panel system CombiLine-X

### Module to module copper connection



ZX2781

ZX2784

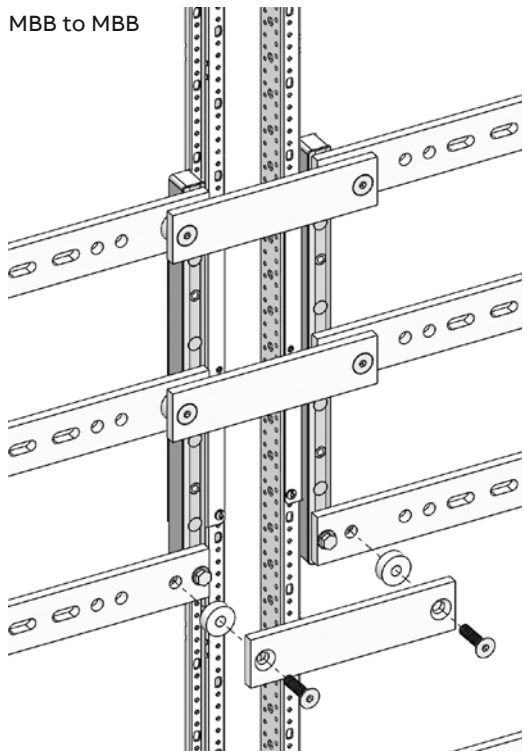
ZX2787

- Module to module connector made of copper
- To connect Cu busbars
- The current carrying capacity of L1, L2, L3, N is 100 % and the current carrying capacity of PE is 50 % of the outer conductors of the MBB.

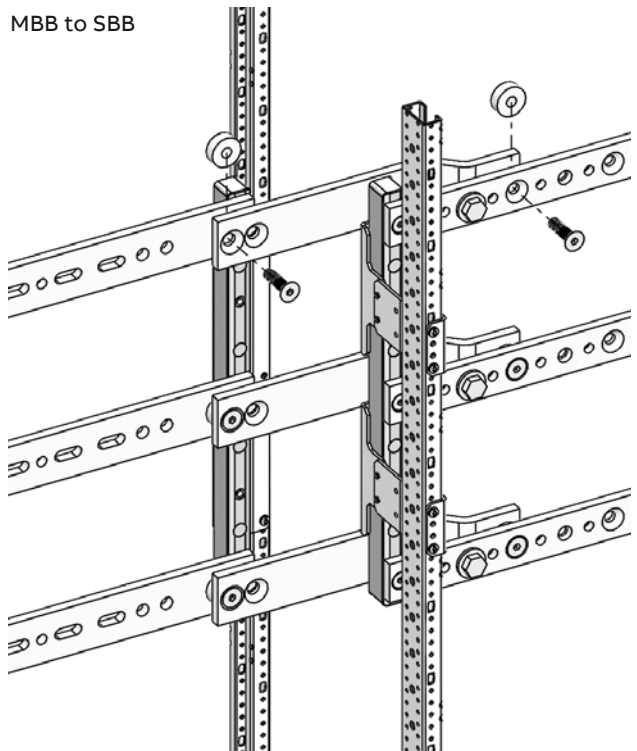
Connection	I <sub>n</sub> A	Cu busbars		Kit not installed		Mounted and installed in the cabinet		
		mm		Unit	Type	Order code	Type	Order code
MBB to MBB	630	30 x 10	FF-Cu connector HH 30 x 10	1	ZX2780	2CPX044281R9999	ZXM2780	2CPX044354R9999
	850	40 x 10	FF-Cu connector HH 40 x 10	1	ZX2781	2CPX044282R9999	ZXM2781	2CPX044355R9999
	1000	50 x 10	FF-Cu connector HH 50 x 10	1	ZX2782	2CPX044283R9999	ZXM2782	2CPX044356R9999
MBB to SBB	630	30 x 10	FF-Cu connector HV 30 x 10	1	ZX2783	2CPX044284R9999	ZXM2783	2CPX044357R9999
	850	40 x 10	FF-Cu connector HV 40 x 10	1	ZX2784	2CPX044285R9999	ZXM2784	2CPX044358R9999
	1000	50 x 10	FF-Cu connector HV 50 x 10	1	ZX2785	2CPX044286R9999	ZXM2785	2CPX044359R9999
SBB to SBB	630	30 x 10	FF-Cu connector VV 30 x 10	1	ZX2786	2CPX044287R9999	ZXM2786	2CPX044360R9999
	850	40 x 10	FF-Cu connector VV 40 x 10	1	ZX2787	2CPX044288R9999	ZXM2787	2CPX044361R9999
	1000	50 x 10	FF-Cu connector VV 50 x 10	1	ZX2788	2CPX044289R9999	ZXM2788	2CPX044362R9999
N/PE	630	30 x 10	FF-Cu connector N/PE 30 x 10	1	ZX2789	2CPX044290R9999	ZXM2789	2CPX044363R9999
N/PE	850	40 x 10	FF-Cu connector N/PE 40 x 10	1	ZX2790	2CPX044291R9999	ZXM2790	2CPX044364R9999
N/PE	1000	50 x 10	FF-Cu connector N/PE 50 x 10	1	ZX2791	2CPX044292R9999	ZXM2791	2CPX044365R9999
PE	630	30 x 5	FF-Cu connector PE 30 x 5	1	ZX2792	2CPX044293R9999	ZXM2792	2CPX044366R9999
PE	850	20 x 10	FF-Cu connector PE 20 x 10	1	ZX2793	2CPX044294R9999	ZXM2793	2CPX044367R9999
PE	1000	30 x 10	FF-Cu connector PE 30 x 10	1	ZX2794	2CPX044295R9999	ZXM2794	2CPX044368R9999

MBB = main busbar / SBB = sub busbar only for MD modules in combination with ZHBM (+EFM/ITS)

MBB to MBB



MBB to SBB



## Distribution panel system CombiLine-X

### Cabinet to cabinet copper connection



ZX2810

ZX2813

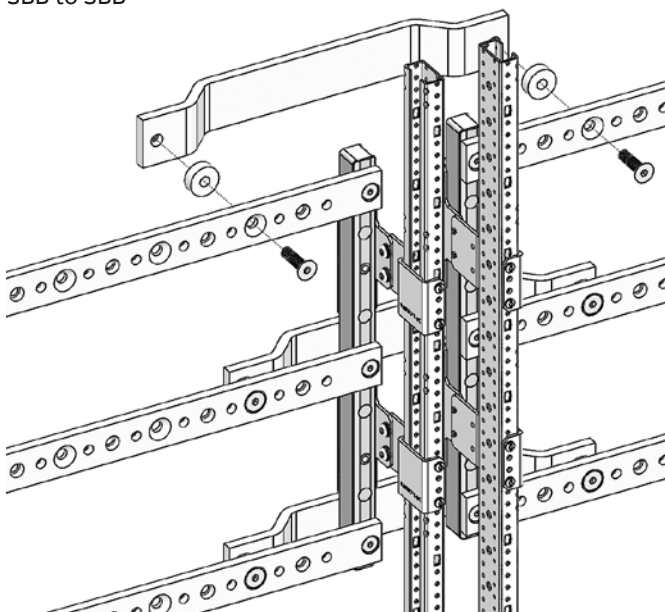
ZX2816

- Cabinet to cabinet connector made of copper
- To connect Cu busbars
- The current carrying capacity of L1, L2, L3, N is 100 % and the current carrying capacity of PE is 50 % of the outer conductors of the MBB.

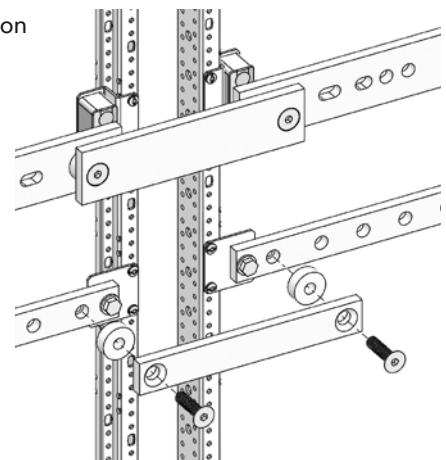
Connection	$I_n$ A	Cu busbars		Unit	Kit not installed		Mounted and installed in the cabinet	
		mm			Type	Order code	Type	Order code
MBB to MBB	630	30 x 10	SS-Cu connector HH 30 x 10	1	ZX2810	2CPX044296R9999	ZXM2810	2CPX044369R9999
	850	40 x 10	SS-Cu connector HH 40 x 10	1	ZX2811	2CPX044297R9999	ZXM2811	2CPX044370R9999
	1000	50 x 10	SS-Cu connector HH 50 x 10	1	ZX2812	2CPX044298R9999	ZXM2812	2CPX044371R9999
MBB to SBB	630	30 x 10	SS-Cu connector HV 30 x 10	1	ZX2813	2CPX044299R9999	ZXM2813	2CPX044372R9999
	850	40 x 10	SS-Cu connector HV 40 x 10	1	ZX2814	2CPX044300R9999	ZXM2814	2CPX044373R9999
	1000	50 x 10	SS-Cu connector HV 50 x 10	1	ZX2815	2CPX044301R9999	ZXM2815	2CPX044374R9999
SBB to SBB	630	30 x 10	SS-Cu connector VV 30 x 10	1	ZX2816	2CPX044302R9999	ZXM2816	2CPX044375R9999
	850	40 x 10	SS-Cu connector VV 40 x 10	1	ZX2817	2CPX044303R9999	ZXM2817	2CPX044376R9999
	1000	50 x 10	SS-Cu connector VV 50 x 10	1	ZX2818	2CPX044304R9999	ZXM2818	2CPX044377R9999
N/PE	630	30 x 10	SS-Cu connector N/PE 30 x 10	1	ZX2819	2CPX044305R9999	ZXM2819	2CPX044378R9999
N/PE	850	40 x 10	SS-Cu connector N/PE 40 x 10	1	ZX2820	2CPX044306R9999	ZXM2820	2CPX044379R9999
N/PE	1000	50 x 10	SS-Cu connector N/PE 50 x 10	1	ZX2821	2CPX044307R9999	ZXM2821	2CPX044380R9999
PE	630	30 x 5	SS-Cu connector PE 30 x 5	1	ZX2822	2CPX044308R9999	ZXM2822	2CPX044381R9999
PE	850	20 x 10	SS-Cu connector PE 20 x 10	1	ZX2823	2CPX044309R9999	ZXM2823	2CPX044382R9999
PE	1000	30 x 10	SS-Cu connector PE 30 x 10	1	ZX2824	2CPX044310R9999	ZXM2824	2CPX044383R9999

MBB = main busbar / SBB = sub busbar only for MD modules in combination with ZHBM (+EFM/ITS)

SBB to SBB

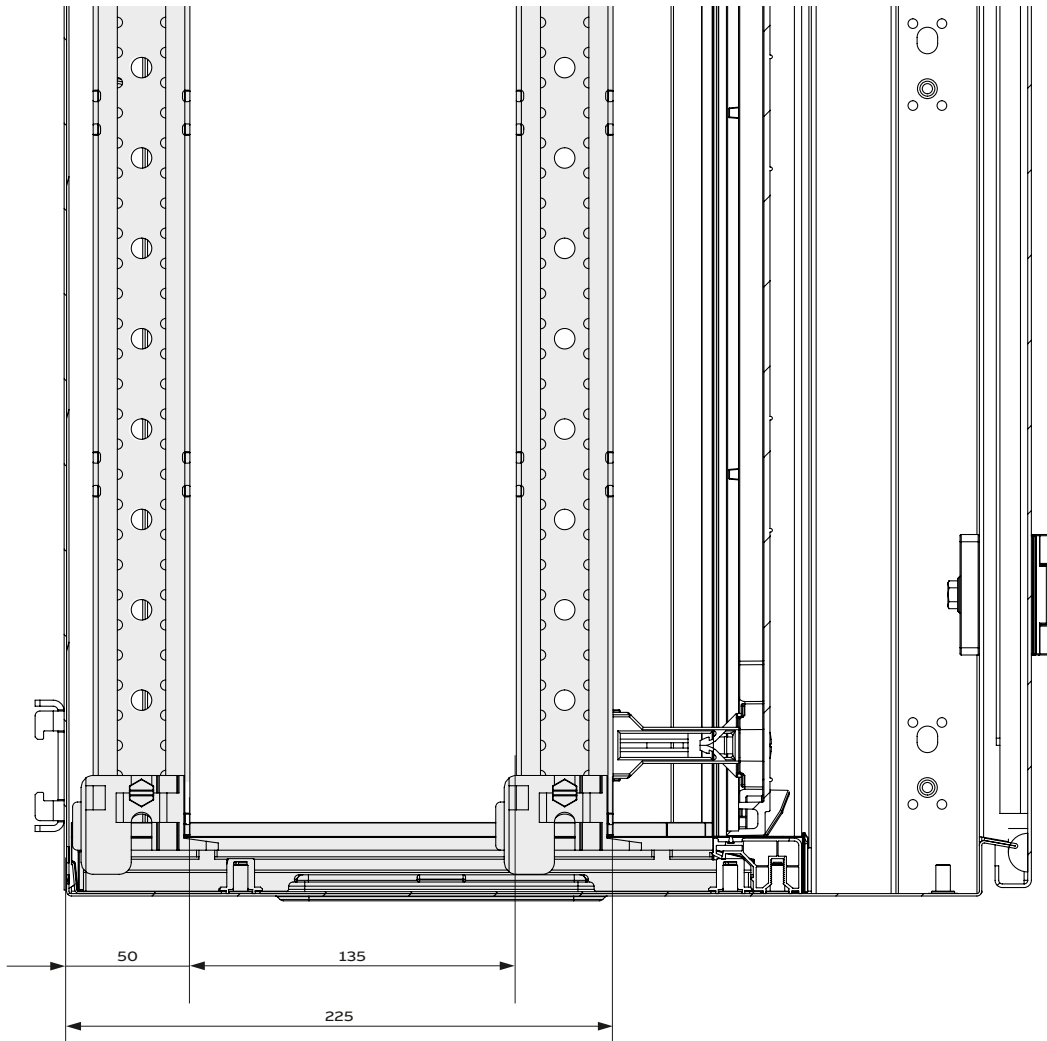


N/PE connection

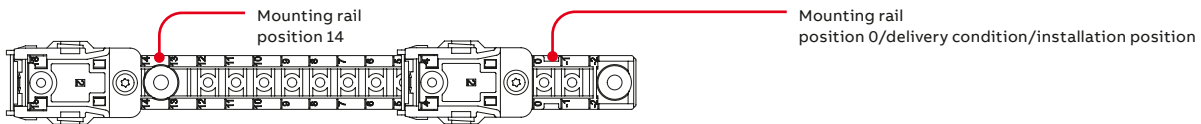


## Distribution panel system CombiLine N

Dimensions for installation of CombiLine-X  
module on WR mounting frame



Mounting rail  
Plan view

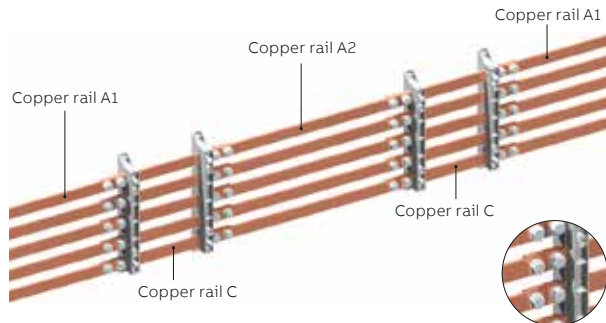






## TwinLine busbars

Row mounting for modules M(B)S...24

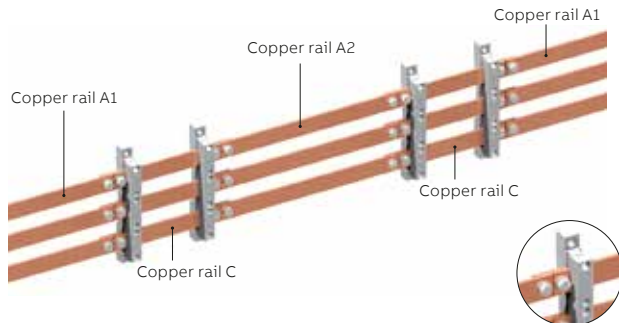


- It is possible to combine different module widths within the cabinet with continuous busbars
- Busbars for cabinet row mounting (copper rail A1/A2) are delivered on the connection side with copper transport pieces and attachment material
- A connector (copper rail C) is required for each busbar connection
- **Important:** note the possibility to combine modules with the TwinLine cabinet row mountings
- A max. of 5 copper rails A1/A2 and C are required per module

Copper rail	I <sub>n</sub>	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	A	FB		mm	Type	Order code	Type
<b>Copper rail A1, busbars for TwinLine cabinet row mounting right or left</b>									
20 x 5	320	1		138 + 43	1	ZX2224	2CPX042630R9999	ZXM2224	2CPX042672R9999
		2		388 + 43	1	ZX2225	2CPX042631R9999	ZXM2225	2CPX042673R9999
		3		638 + 43	1	ZX2226	2CPX042632R9999	ZXM2226	2CPX042674R9999
		4		888 + 43	1	ZX2227	2CPX042633R9999	ZXM2227	2CPX042675R9999
		5		1138 + 43	1	ZX2228	2CPX042634R9999	ZXM2228	2CPX042676R9999
		6		1388 + 43	1	ZX2229	2CPX042635R9999	ZXM2229	2CPX042677R9999
<b>Copper rail A2, busbars for TwinLine cabinet row mounting right and left</b>									
20 x 5	320	1		43 + 95 + 43	1	ZX2324	2CPX042714R9999	ZXM2324	2CPX042750R9999
		2		43 + 345 + 43	1	ZX2325	2CPX042715R9999	ZXM2325	2CPX042751R9999
		3		43 + 595 + 43	1	ZX2326	2CPX042716R9999	ZXM2326	2CPX042752R9999
		4		43 + 845 + 43	1	ZX2327	2CPX042717R9999	ZXM2327	2CPX042753R9999
		5		43 + 1095 + 43	1	ZX2328	2CPX042718R9999	ZXM2328	2CPX042754R9999
		6		43 + 1345 + 43	1	ZX2329	2CPX042719R9999	ZXM2329	2CPX042755R9999
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
20 x 5	320	-		208	1	ZX2405	2CPX042787R9999	-	-

## TwinLine busbars

### Row mounting for modules M(B)S...27

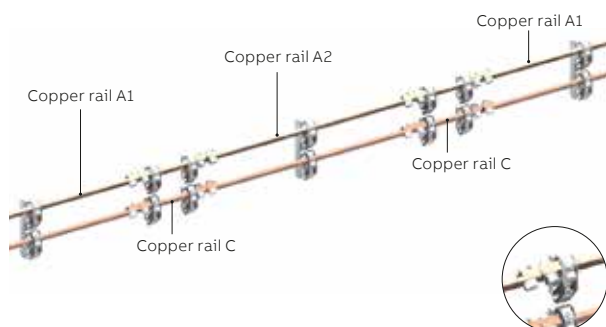


- It is possible to combine different module widths within the cabinet with continuous busbars
- Busbars for cabinet row mounting (copper rail A1/A2) are delivered on the connection side with copper transport pieces and attachment material
- A connector (copper rail C) is required for each busbar connection
- **Important:** note the possibility to combine modules with the TwinLine cabinet row mountings
- 3 copper rails A1/A2 and C are required per module

Copper rail	l <sub>n</sub>	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	A	FB		mm	Type	Order code	Type
<b>Copper rail A1, busbars for TwinLine cabinet row mounting right or left</b>									
30 x 5	440	1		138 + 43	1	ZX2236	2CPX042642R9999	ZXM2236	2CPX042684R9999
		2		388 + 43	1	ZX2237	2CPX042643R9999	ZXM2237	2CPX042685R9999
		3		638 + 43	1	ZX2238	2CPX042644R9999	ZXM2238	2CPX042686R9999
		4		888 + 43	1	ZX2239	2CPX042645R9999	ZXM2239	2CPX042687R9999
		5		1138 + 43	1	ZX2240	2CPX042646R9999	ZXM2240	2CPX042688R9999
		6		1388 + 43	1	ZX2241	2CPX042647R9999	ZXM2241	2CPX042689R9999
30 x 10	630	1		138 + 43	1	ZX2248	2CPX042654R9999	ZXM2248	2CPX042696R9999
		2		388 + 43	1	ZX2249	2CPX042655R9999	ZXM2249	2CPX042697R9999
		3		638 + 43	1	ZX2250	2CPX042656R9999	ZXM2250	2CPX042698R9999
		4		888 + 43	1	ZX2251	2CPX042657R9999	ZXM2251	2CPX042699R9999
		5		1138 + 43	1	ZX2252	2CPX042658R9999	ZXM2252	2CPX042700R9999
		6		1388 + 43	1	ZX2253	2CPX042659R9999	ZXM2253	2CPX042701R9999
<b>Copper rail A2, busbars for TwinLine cabinet row mounting right and left</b>									
30 x 5	440	1		43 + 95 + 43	1	ZX2336	2CPX042726R9999	ZXM2336	2CPX042762R9999
		2		43 + 345 + 43	1	ZX2337	2CPX042727R9999	ZXM2337	2CPX042763R9999
		3		43 + 595 + 43	1	ZX2338	2CPX042728R9999	ZXM2338	2CPX042764R9999
		4		43 + 845 + 43	1	ZX2339	2CPX042729R9999	ZXM2339	2CPX042765R9999
		5		43 + 1095 + 43	1	ZX2340	2CPX042730R9999	ZXM2340	2CPX042766R9999
		6		43 + 1345 + 43	1	ZX2341	2CPX042731R9999	ZXM2341	2CPX042767R9999
30 x 10	630	1		43 + 95 + 43	1	ZX2348	2CPX042738R9999	ZXM2348	2CPX042774R9999
		2		43 + 345 + 43	1	ZX2349	2CPX042739R9999	ZXM2349	2CPX042775R9999
		3		43 + 595 + 43	1	ZX2350	2CPX042740R9999	ZXM2350	2CPX042776R9999
		4		43 + 845 + 43	1	ZX2351	2CPX042741R9999	ZXM2351	2CPX042777R9999
		5		43 + 1095 + 43	1	ZX2352	2CPX042742R9999	ZXM2352	2CPX042778R9999
		6		43 + 1345 + 43	1	ZX2353	2CPX042743R9999	ZXM2353	2CPX042779R9999
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
30 x 5	440		208	1	ZX2407	2CPX042789R9999	-	-	
30 x 10	630		208	1	ZX2408	2CPX042790R9999	-	-	

## TwinLine busbars

Row mounting for modules M(B) N..74+75

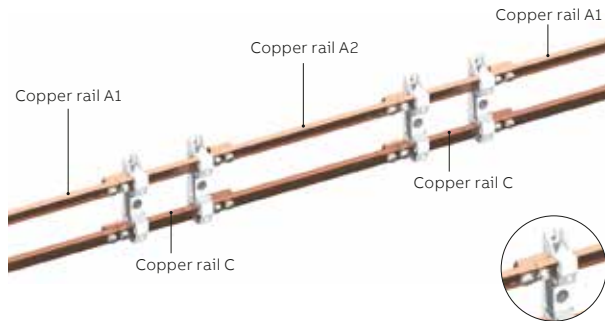


- It is possible to combine different module widths within the cabinet with continuous busbars
- Busbars for cabinet row mounting (copper rail A1/A2) are delivered on the connection side with copper transport pieces and attachment material
- A connector (copper rail C) is required for each busbar connection
- **Important:** note the possibility to combine modules with the TwinLine cabinet row mountings
- 2 copper rails A1/A2 and C are required per module

Copper rail	l <sub>n</sub>	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		A	FB	mm		Type	Order code	Type	Order code
<b>Copper rail A1, busbars for TwinLine cabinet row mounting right or left</b>									
20 x 5	320	1		200 + 43	1	ZX2230	2CPX042636R9999	ZXM2230	2CPX042678R9999
		2		450 + 43	1	ZX2231	2CPX042637R9999	ZXM2231	2CPX042679R9999
		3		700 + 43	1	ZX2232	2CPX042638R9999	ZXM2232	2CPX042680R9999
		4		950 + 43	1	ZX2233	2CPX042639R9999	ZXM2233	2CPX042681R9999
		5		1200 + 43	1	ZX2234	2CPX042640R9999	ZXM2234	2CPX042682R9999
		6		1450 + 43	1	ZX2235	2CPX042641R9999	ZXM2235	2CPX042683R9999
30 x 5	440	1		200 + 43	1	ZX2242	2CPX042648R9999	ZXM2242	2CPX042690R9999
		2		450 + 43	1	ZX2243	2CPX042649R9999	ZXM2243	2CPX042691R9999
		3		700 + 43	1	ZX2244	2CPX042650R9999	ZXM2244	2CPX042692R9999
		4		950 + 43	1	ZX2245	2CPX042651R9999	ZXM2245	2CPX042693R9999
		5		1200 + 43	1	ZX2246	2CPX042652R9999	ZXM2246	2CPX042694R9999
		6		1450 + 43	1	ZX2247	2CPX042653R9999	ZXM2247	2CPX042695R9999
<b>Copper rail A2, busbars for TwinLine cabinet row mounting right and left</b>									
20 x 5	320	1		43 + 154 + 43	1	ZX2330	2CPX042720R9999	ZXM2330	2CPX042756R9999
		2		43 + 404 + 43	1	ZX2331	2CPX042721R9999	ZXM2331	2CPX042757R9999
		3		43 + 654 + 43	1	ZX2332	2CPX042722R9999	ZXM2332	2CPX042758R9999
		4		43 + 904 + 43	1	ZX2333	2CPX042723R9999	ZXM2333	2CPX042759R9999
		5		43 + 1154 + 43	1	ZX2334	2CPX042724R9999	ZXM2334	2CPX042760R9999
		6		43 + 1404 + 43	1	ZX2335	2CPX042725R9999	ZXM2335	2CPX042761R9999
30 x 5	440	1		43 + 154 + 43	1	ZX2342	2CPX042732R9999	ZXM2342	2CPX042768R9999
		2		43 + 404 + 43	1	ZX2343	2CPX042733R9999	ZXM2343	2CPX042769R9999
		3		43 + 654 + 43	1	ZX2344	2CPX042734R9999	ZXM2344	2CPX042770R9999
		4		43 + 904 + 43	1	ZX2345	2CPX042735R9999	ZXM2345	2CPX042771R9999
		5		43 + 1154 + 43	1	ZX2346	2CPX042736R9999	ZXM2346	2CPX042772R9999
		6		43 + 1404 + 43	1	ZX2347	2CPX042737R9999	ZXM2347	2CPX042773R9999
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
20 x 5	320	-		149	1	ZX2404	2CPX042786R9999	-	-
30 x 5	440	-		149	1	ZX2406	2CPX042788R9999	-	-

## TwinLine busbars

Row mounting for modules M(B) N..62+63

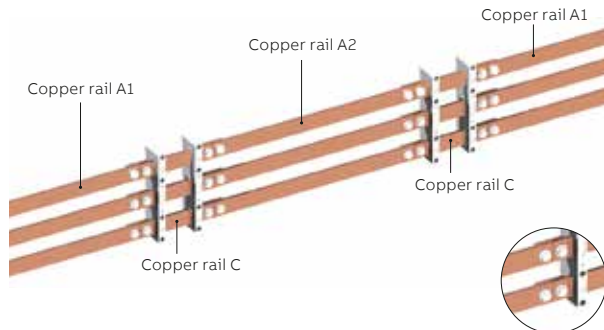


- It is possible to combine different module widths within the cabinet with continuous busbars
- Busbars for cabinet row mounting (copper rail A1/A2) are delivered on the connection side with copper transport pieces and attachment material
- A connector (copper rail C) is required for each busbar connection
- **Important:** note the possibility to combine modules with the TwinLine cabinet row mountings
- 2 copper rails A1/A2 and C are required per module

Copper rail	I <sub>n</sub>	Width			Unit	Kit not installed		Mounted and installed in the cabinet		
		mm	A	FB		mm	Type	Order code	Type	Order code
<b>Copper rail A1, busbars for TwinLine cabinet row mounting right or left</b>										
30 x 10	630	1			149 + 43	1	ZX2254	2CPX042660R9999	ZXM2254	2CPX042702R9999
		2			399 + 43	1	ZX2255	2CPX042661R9999	ZXM2255	2CPX042703R9999
		3			649 + 43	1	ZX2256	2CPX042662R9999	ZXM2256	2CPX042704R9999
		4			899 + 43	1	ZX2257	2CPX042663R9999	ZXM2257	2CPX042705R9999
		5			1149 + 43	1	ZX2258	2CPX042664R9999	ZXM2258	2CPX042706R9999
		6			1399 + 43	1	ZX2259	2CPX042665R9999	ZXM2259	2CPX042707R9999
<b>Copper rail A2, busbars for TwinLine cabinet row mounting right and left</b>										
30 x 10	630	1			43 + 95 + 43	1	ZX2348	2CPX042738R9999	ZXM2348	2CPX042774R9999
		2			43 + 345 + 43	1	ZX2349	2CPX042739R9999	ZXM2349	2CPX042775R9999
		3			43 + 595 + 43	1	ZX2350	2CPX042740R9999	ZXM2350	2CPX042776R9999
		4			43 + 845 + 43	1	ZX2351	2CPX042741R9999	ZXM2351	2CPX042777R9999
		5			43 + 1095 + 43	1	ZX2352	2CPX042742R9999	ZXM2352	2CPX042778R9999
		6			43 + 1345 + 43	1	ZX2353	2CPX042743R9999	ZXM2353	2CPX042779R9999
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>										
30 x 10	630				208	1	ZX2408	2CPX042790R9999	-	-

## TwinLine busbars

### Row mounting for modules M(B)R...02(B)



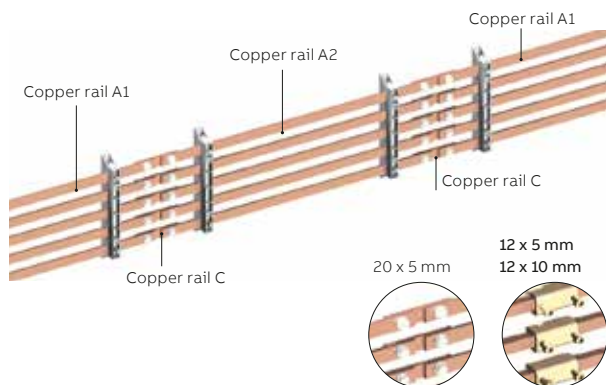
- It is possible to combine different module widths within the cabinet with continuous busbars
- Busbars for cabinet row mounting (copper rail A1/A2) are delivered on the connection side with copper transport pieces and attachment material
- A connector (copper rail C) is required for each busbar connection
- **Important:** For populated modules MR...02B, the external bus-mounting fuse socket may be omitted, for:
  - MR102B for connection left, 1 unit,
  - MR202B for connection left, 1 unit,
  - MR302B for connection left or right, 2 units each;
 these must be replaced by empty space covers ZA4P10 in the cover
- **Important:** note the possibility to combine modules with the TwinLine cabinet row mountings
- 3 copper rails A1/A2 and C are required per module

Copper rail	I <sub>n</sub>	Width		Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	FB		Type	Order code	Type	Order code
<b>Copper rail A1, busbars for TwinLine cabinet row mounting right or left</b>								
20 x 5	320	1	200 + 43	1	ZX2230	2CPX042636R9999	ZXM2230	2CPX042678R9999
		2	450 + 43	1	ZX2231	2CPX042637R9999	ZXM2231	2CPX042679R9999
		3	700 + 43	1	ZX2232	2CPX042638R9999	ZXM2232	2CPX042680R9999
		4	950 + 43	1	ZX2233	2CPX042639R9999	ZXM2233	2CPX042681R9999
		5	1200 + 43	1	ZX2234	2CPX042640R9999	ZXM2234	2CPX042682R9999
		6	1450 + 43	1	ZX2235	2CPX042641R9999	ZXM2235	2CPX042683R9999
30 x 5	440	1	200 + 43	1	ZX2242	2CPX042648R9999	ZXM2242	2CPX042690R9999
		2	450 + 43	1	ZX2243	2CPX042649R9999	ZXM2243	2CPX042691R9999
		3	700 + 43	1	ZX2244	2CPX042650R9999	ZXM2244	2CPX042692R9999
		4	950 + 43	1	ZX2245	2CPX042651R9999	ZXM2245	2CPX042693R9999
		5	1200 + 43	1	ZX2246	2CPX042652R9999	ZXM2246	2CPX042694R9999
		6	1450 + 43	1	ZX2247	2CPX042653R9999	ZXM2247	2CPX042695R9999
<b>Copper rail A2, busbars for TwinLine cabinet row mounting right and left</b>								
20 x 5	320	1	43 + 154 + 43	1	ZX2330	2CPX042720R9999	ZXM2330	2CPX042756R9999
		2	43 + 404 + 43	1	ZX2331	2CPX042721R9999	ZXM2331	2CPX042757R9999
		3	43 + 654 + 43	1	ZX2332	2CPX042722R9999	ZXM2332	2CPX042758R9999
		4	43 + 904 + 43	1	ZX2333	2CPX042723R9999	ZXM2333	2CPX042759R9999
		5	43 + 1154 + 43	1	ZX2334	2CPX042724R9999	ZXM2334	2CPX042760R9999
		6	43 + 1404 + 43	1	ZX2335	2CPX042725R9999	ZXM2335	2CPX042761R9999
30 x 5	440	1	43 + 154 + 43	1	ZX2342	2CPX042732R9999	ZXM2342	2CPX042768R9999
		2	43 + 404 + 43	1	ZX2343	2CPX042733R9999	ZXM2343	2CPX042769R9999
		3	43 + 654 + 43	1	ZX2344	2CPX042734R9999	ZXM2344	2CPX042770R9999
		4	43 + 904 + 43	1	ZX2345	2CPX042735R9999	ZXM2345	2CPX042771R9999
		5	43 + 1154 + 43	1	ZX2346	2CPX042736R9999	ZXM2346	2CPX042772R9999
		6	43 + 1404 + 43	1	ZX2347	2CPX042737R9999	ZXM2347	2CPX042773R9999
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>								
20 x 5	320	-	149	1	ZX2404	2CPX042786R9999	-	-
30 x 5	440	-	149	1	ZX2406	2CPX042788R9999	-	-



## Busbars TriLine system and pro E power system

### Row mounting for modules M(B)S...24



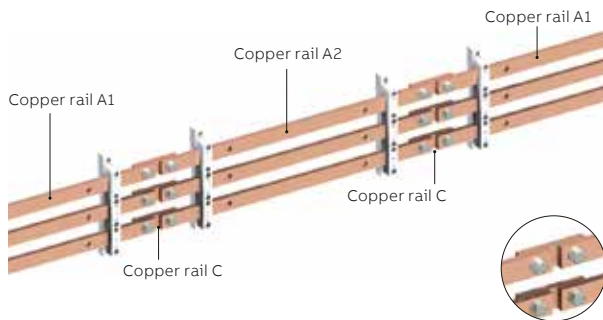
- It is possible to combine different module widths within the cabinet with continuous busbars
- A connector is required for cabinet row mounting for each busbar connection
- The busbar connection is realized outside the module
- Busbar connector for copper 12 x 5 mm and 12 x 10 mm, including connection terminals
- Busbar connector for copper 20 x 5 mm, including press-in nuts and fastening screws
- A max. of 5 copper rails A1/A2 and C are required per module

Copper rail mm	l <sub>n</sub> A	Width		Unit	Kit not installed		Mounted and installed in the cabinet		
		FB	mm		Type	Order code	Type	Order code	
<b>Copper rail A1, busbars for cabinet row mounting right or left</b>									
12 x 5	250	1	293	1	ZX1040	2CPX041906R9999	ZXM1040	2CPX041516R9999	
		2	543	1	ZX1041	2CPX041907R9999	ZXM1041	2CPX041517R9999	
		3	793	1	ZX1042	2CPX041908R9999	ZXM1042	2CPX041518R9999	
		4	1043	1	ZX1043	2CPX041909R9999	ZXM1043	2CPX041519R9999	
		5	1293	1	ZX1044	2CPX041910R9999	ZXM1044	2CPX041520R9999	
12 x 10	360	1	293	1	ZX1046	2CPX041912R9999	ZXM1046	2CPX041522R9999	
		2	543	1	ZX1047	2CPX041913R9999	ZXM1047	2CPX041523R9999	
		3	793	1	ZX1048	2CPX041914R9999	ZXM1048	2CPX041524R9999	
		4	1043	1	ZX1049	2CPX041915R9999	ZXM1049	2CPX041525R9999	
		5	1293	1	ZX1050	2CPX041916R9999	ZXM1050	2CPX041526R9999	
20 x 5	320	1	293	1	ZX1052	2CPX041918R9999	ZXM1052	2CPX041528R9999	
		2	543	1	ZX1053	2CPX041919R9999	ZXM1053	2CPX041529R9999	
		3	793	1	ZX1054	2CPX041920R9999	ZXM1054	2CPX041530R9999	
		4	1043	1	ZX1055	2CPX041921R9999	ZXM1055	2CPX041531R9999	
		5	1293	1	ZX1056	2CPX041922R9999	ZXM1056	2CPX041532R9999	
<b>Copper rail A2, busbars for cabinet row mounting right and left</b>									
12 x 5	250	1	345	1	ZX1080	2CPX041942R9999	ZXM1080	2CPX041552R9999	
		2	595	1	ZX1081	2CPX041943R9999	ZXM1081	2CPX041553R9999	
		3	845	1	ZX1082	2CPX041944R9999	ZXM1082	2CPX041554R9999	
		4	1095	1	ZX1083	2CPX041945R9999	ZXM1083	2CPX041555R9999	
		5	1345	1	ZX1084	2CPX041946R9999	ZXM1084	2CPX041556R9999	
12 x 10	360	1	340	1	ZX1086	2CPX041948R9999	ZXM1086	2CPX041558R9999	
		2	590	1	ZX1087	2CPX041949R9999	ZXM1087	2CPX041559R9999	
		3	840	1	ZX1088	2CPX041950R9999	ZXM1088	2CPX041560R9999	
		4	1090	1	ZX1089	2CPX041951R9999	ZXM1089	2CPX041561R9999	
		5	1340	1	ZX1090	2CPX041952R9999	ZXM1090	2CPX041562R9999	
20 x 5	320	1	340	1	ZX1092	2CPX041954R9999	ZXM1092	2CPX041564R9999	
		2	590	1	ZX1093	2CPX041955R9999	ZXM1093	2CPX041565R9999	
		3	840	1	ZX1094	2CPX041956R9999	ZXM1094	2CPX041566R9999	
		4	1090	1	ZX1095	2CPX041957R9999	ZXM1095	2CPX041567R9999	
		5	1340	1	ZX1096	2CPX041958R9999	ZXM1096	2CPX041568R9999	
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
12 x 5	250		44	1	ZX1180	2CPX042020R9999	-	-	
12 x 10	360		44	1	ZX1181	2CPX042021R9999	-	-	
20 x 5	320		94	1	ZX1182	2CPX042022R9999	-	-	
<b>Copper rail C, connector for the pro E power system cabinet row mounting right or left</b>									
12 x 5	250		44	1	ZX1180	2CPX042020R9999	-	-	
12 x 10	360		44	1	ZX1181	2CPX042021R9999	-	-	
20 x 5	320		74	1	ZX1192	2CPX042105R9999	-	-	



## Busbars TriLine system and pro E power system

### Row mounting for modules M(B)S...27

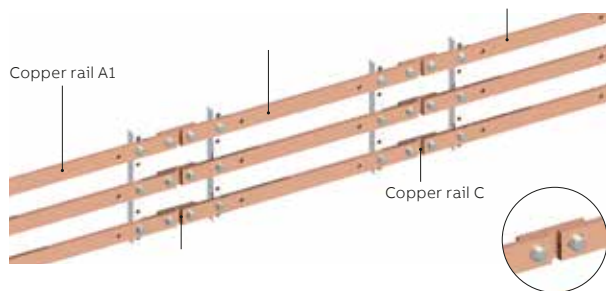


- It is possible to combine different module widths within the cabinet with continuous busbars
- A connector is required for cabinet row mounting for each busbar connection
- The busbar connection is realized outside the module
- Busbar connector, including press-in nuts and attachment material
- 3 copper rails A1/A2 and C are required per module

Copper rail	I <sub>n</sub>	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		A	FB	mm		Type	Order code	Type	Order code
<b>Copper rail A1, busbars for cabinet row mounting right or left</b>									
30 x 5	440	1	293	1	ZX1058	2CPX041924R9999	ZXM1058	2CPX041534R9999	
		2	543	1	ZX1059	2CPX041925R9999	ZXM1059	2CPX041535R9999	
		3	793	1	ZX1060	2CPX041926R9999	ZXM1060	2CPX041536R9999	
		4	1043	1	ZX1061	2CPX041927R9999	ZXM1061	2CPX041537R9999	
		5	1293	1	ZX1062	2CPX041928R9999	ZXM1062	2CPX041538R9999	
30 x 10	630	1	293	1	ZX1064	2CPX041930R9999	ZXM1064	2CPX041540R9999	
		2	543	1	ZX1065	2CPX041931R9999	ZXM1065	2CPX041541R9999	
		3	793	1	ZX1066	2CPX041932R9999	ZXM1066	2CPX041542R9999	
		4	1043	1	ZX1067	2CPX041933R9999	ZXM1067	2CPX041543R9999	
		5	1293	1	ZX1068	2CPX041934R9999	ZXM1068	2CPX041544R9999	
<b>Copper rail A2, busbars for cabinet row mounting right and left</b>									
30 x 5	440	1	340	1	ZX1098	2CPX041960R9999	ZXM1098	2CPX041570R9999	
		2	590	1	ZX1099	2CPX041961R9999	ZXM1099	2CPX041571R9999	
		3	840	1	ZX1100	2CPX041962R9999	ZXM1100	2CPX041572R9999	
		4	1090	1	ZX1101	2CPX041963R9999	ZXM1101	2CPX041573R9999	
		5	1340	1	ZX1102	2CPX041964R9999	ZXM1102	2CPX041574R9999	
30 x 10	630	1	340	1	ZX1104	2CPX041966R9999	ZXM1104	2CPX041576R9999	
		2	590	1	ZX1105	2CPX041967R9999	ZXM1105	2CPX041577R9999	
		3	840	1	ZX1106	2CPX041968R9999	ZXM1106	2CPX041578R9999	
		4	1090	1	ZX1107	2CPX041969R9999	ZXM1107	2CPX041579R9999	
		5	1340	1	ZX1108	2CPX041970R9999	ZXM1108	2CPX041580R9999	
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
30 x 5	250		94	1	ZX1183	2CPX042023R9999	-	-	
30 x 10	360		94	1	ZX1184	2CPX042024R9999	-	-	
<b>Copper rail C, connector for the pro E power system cabinet row mounting right or left</b>									
30 x 5	250		74	1	ZX1193	2CPX042106R9999	-	-	
30 x 10	360		74	1	ZX1194	2CPX042107R9999	-	-	

## Busbars TriLine system and pro E power system

### Row mounting for modules M(B)S...31

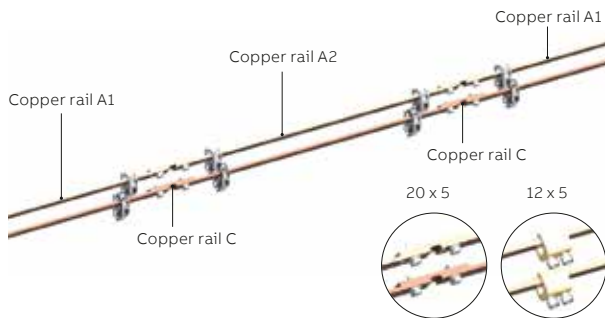


- It is possible to combine different module widths within the cabinet with continuous busbars
- A connector is required for cabinet row mounting for each busbar connection
- The busbar connection is realized outside the module
- Busbar connector, including press-in nuts and attachment material
- 3 copper rails A1/A2 and C are required per module

Copper rail	I <sub>n</sub>	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	A	FB		mm	Type	Order code	Type
<b>Copper rail A1, busbars for cabinet row mounting right or left</b>									
40 x 10	850	1		293	1	ZX1070	2CPX041936R9999	ZXM1070	2CPX041546R9999
		2		543	1	ZX1071	2CPX041937R9999	ZXM1071	2CPX041547R9999
		3		762	1	ZX1072	2CPX041938R9999	ZXM1072	2CPX041548R9999
		4 (2FB+2FB)		1043	1	ZX1073	2CPX041939R9999	ZXM1073	2CPX041549R9999
		5 (3FB+2FB)		1293	1	ZX1074	2CPX041940R9999	ZXM1074	2CPX041550R9999
<b>Copper rail A2, busbars for cabinet row mounting right and left</b>									
40 x 10	850	1		340	1	ZX1110	2CPX041972R9999	ZXM1110	2CPX041582R9999
		2		590	1	ZX1111	2CPX041973R9999	ZXM1111	2CPX041583R9999
		3		840	1	ZX1112	2CPX041974R9999	ZXM1112	2CPX041584R9999
		4 (2FB+2FB)		1090	1	ZX1113	2CPX041975R9999	ZXM1113	2CPX041585R9999
		5 (3FB+2FB)		1340	1	ZX1114	2CPX041976R9999	ZXM1114	2CPX041586R9999
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
40 x 10	850			94	1	ZX1185	2CPX042025R9999	-	-
<b>Copper rail C, connector for the pro E power system cabinet row mounting right or left</b>									
40 x 10	850			74	1	ZX1195	2CPX042108R9999	-	-

## Busbars TriLine system and pro E power system

### Row mounting for modules M(B)N...69

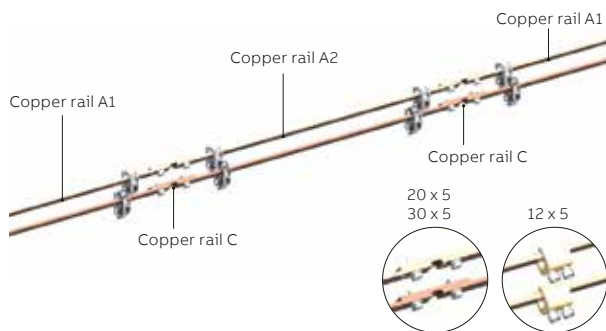


- It is possible to combine different module widths within the cabinet with continuous busbars
- A connector is required for cabinet row mounting for each busbar connection
- The busbar connection is realized outside the module
- Busbar connector, including press-in nuts and attachment material
- 2 copper rails A1/A2 and C are required per module

Copper rail	l <sub>n</sub>	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	A	FB		mm	Type	Order code	Type
<b>Copper rail A1, busbars for cabinet row mounting right or left</b>									
12 x 5	250	1		272	1	ZX2094	2CPX042578R9999	ZXM2094	2CPX042498R9999
		2		522	1	ZX2095	2CPX042579R9999	ZXM2095	2CPX042499R9999
		3		772	1	ZX2096	2CPX042580R9999	ZXM2096	2CPX042500R9999
		4		1022	1	ZX2097	2CPX042581R9999	ZXM2097	2CPX042501R9999
		5		1272	1	ZX2098	2CPX042582R9999	ZXM2098	2CPX042502R9999
20 x 5	320	1		272	1	ZX2112	2CPX042593R9999	ZXM2112	2CPX042513R9999
		2		522	1	ZX2113	2CPX042594R9999	ZXM2113	2CPX042514R9999
		3		772	1	ZX2114	2CPX042595R9999	ZXM2114	2CPX042515R9999
		4		1022	1	ZX2115	2CPX042596R9999	ZXM2115	2CPX042516R9999
		5		1272	1	ZX2116	2CPX042597R9999	ZXM2116	2CPX042517R9999
<b>Copper rail A2, busbars for cabinet row mounting right and left</b>									
12 x 5	250	1		345	1	ZX1080	2CPX041942R9999	ZXM1080	2CPX041552R9999
		2		595	1	ZX1081	2CPX041943R9999	ZXM1081	2CPX041553R9999
		3		845	1	ZX1082	2CPX041944R9999	ZXM1082	2CPX041554R9999
		4		1095	1	ZX1083	2CPX041945R9999	ZXM1083	2CPX041555R9999
		5		1345	1	ZX1084	2CPX041946R9999	ZXM1084	2CPX041556R9999
20 x 5	320	1		340	1	ZX1092	2CPX041954R9999	ZXM1092	2CPX041564R9999
		2		590	1	ZX1093	2CPX041955R9999	ZXM1093	2CPX041565R9999
		3		840	1	ZX1094	2CPX041956R9999	ZXM1094	2CPX041566R9999
		4		1090	1	ZX1095	2CPX041957R9999	ZXM1095	2CPX041567R9999
		5		1340	1	ZX1096	2CPX041958R9999	ZXM1096	2CPX041568R9999
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
12 x 5	250			94	1	ZX1180	2CPX042020R9999	-	-
20 x 5	320			94	1	ZX1182	2CPX042022R9999	-	-
<b>Copper rail C, connector for the pro E power system cabinet row mounting right or left</b>									
12 x 5	250			74	1	ZX1180	2CPX042020R9999	-	-
20 x 5	320			74	1	ZX1192	2CPX042105R9999	-	-

## Busbars TriLine system and pro E power system

### Row mounting for modules M(B)N...74+75

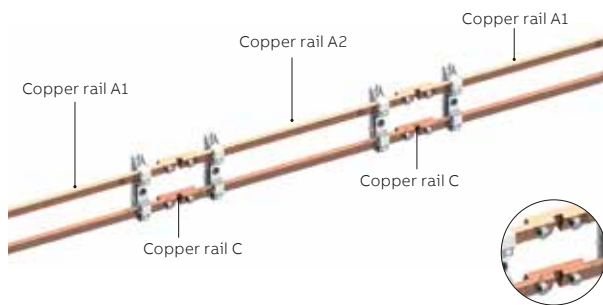


- It is possible to combine different module widths within the cabinet with continuous busbars
- A connector is required for cabinet row mounting for each busbar connection
- The busbar connection is realized outside the module
- Busbar connector, including press-in nuts and attachment material
- 2 copper rails A1/A2 and C are required per module

Copper rail	l <sub>n</sub>	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	A	FB		mm	Type	Order code	Type
<b>Copper rail A1, busbars for cabinet row mounting right or left</b>									
12 x 5	250	1		293	1	ZX1040	2CPX041906R9999	ZXM1040	2CPX041516R9999
		2		543	1	ZX1041	2CPX041907R9999	ZXM1041	2CPX041517R9999
		3		793	1	ZX1042	2CPX041908R9999	ZXM1042	2CPX041518R9999
		4		1043	1	ZX1043	2CPX041909R9999	ZXM1043	2CPX041519R9999
		5		1293	1	ZX1044	2CPX041910R9999	ZXM1044	2CPX041520R9999
20 x 5	320	1		293	1	ZX1052	2CPX041918R9999	ZXM1052	2CPX041528R9999
		2		543	1	ZX1053	2CPX041919R9999	ZXM1053	2CPX041529R9999
		3		793	1	ZX1054	2CPX041920R9999	ZXM1054	2CPX041530R9999
		4		1043	1	ZX1055	2CPX041921R9999	ZXM1055	2CPX041531R9999
		5		1293	1	ZX1056	2CPX041922R9999	ZXM1056	2CPX041532R9999
30 x 5	440	1		293	1	ZX1058	2CPX041924R9999	ZXM1058	2CPX041534R9999
		2		543	1	ZX1059	2CPX041925R9999	ZXM1059	2CPX041535R9999
		3		793	1	ZX1060	2CPX041926R9999	ZXM1060	2CPX041536R9999
		4		1043	1	ZX1061	2CPX041927R9999	ZXM1061	2CPX041537R9999
		5		1293	1	ZX1062	2CPX041928R9999	ZXM1062	2CPX041538R9999
<b>Copper rail A2, busbars for cabinet row mounting right and left</b>									
12 x 5	250	1		345	1	ZX1080	2CPX041942R9999	ZXM1080	2CPX041552R9999
		2		595	1	ZX1081	2CPX041943R9999	ZXM1081	2CPX041553R9999
		3		845	1	ZX1082	2CPX041944R9999	ZXM1082	2CPX041554R9999
		4		1090	1	ZX1083	2CPX041945R9999	ZXM1083	2CPX041555R9999
		5		1340	1	ZX1084	2CPX041946R9999	ZXM1084	2CPX041556R9999
20 x 5	320	1		340	1	ZX1092	2CPX041954R9999	ZXM1092	2CPX041564R9999
		2		590	1	ZX1093	2CPX041955R9999	ZXM1093	2CPX041565R9999
		3		840	1	ZX1094	2CPX041956R9999	ZXM1094	2CPX041566R9999
		4		1090	1	ZX1095	2CPX041957R9999	ZXM1095	2CPX041567R9999
		5		1340	1	ZX1096	2CPX041958R9999	ZXM1096	2CPX041568R9999
30 x 5	440	1		350	1	ZX1098	2CPX041960R9999	ZXM1098	2CPX041570R9999
		2		600	1	ZX1099	2CPX041961R9999	ZXM1099	2CPX041571R9999
		3		850	1	ZX1100	2CPX041962R9999	ZXM1100	2CPX041572R9999
		4		1100	1	ZX1101	2CPX041963R9999	ZXM1101	2CPX041573R9999
		5		1350	1	ZX1102	2CPX041964R9999	ZXM1102	2CPX041574R9999
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
12 x 5	250			44	1	ZX1180	2CPX042020R9999	-	-
20 x 5	320			94	1	ZX1182	2CPX042022R9999	-	-
30 x 5	440			94	1	ZX1183	2CPX042023R9999	-	-
<b>Copper rail C, connector for the pro E power system cabinet row mounting right or left</b>									
12 x 5	250			44	1	ZX1180	2CPX042020R9999	-	-
20 x 5	320			74	1	ZX1192	2CPX042105R9999	-	-
30 x 5	440			74	1	ZX1193	2CPX042106R9999	-	-

## Busbars TriLine system and pro E power system

### Row mounting for modules M(B)N...62+63

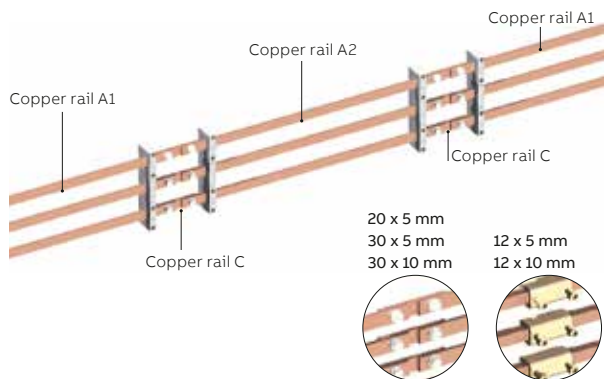


- It is possible to combine different module widths within the cabinet with continuous busbars
- A connector is required for cabinet row mounting for each busbar connection
- The busbar connection is realized outside the module
- Busbar connector, including press-in nuts and attachment material
- 2 copper rails A1/A2 and C are required per module

Copper rail	I <sub>n</sub>	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	A	FB		mm	Type	Order code	Type
<b>Copper rail A1, busbars for cabinet row mounting right or left</b>									
30 x 10	630	1		270	1	ZX2130	2CPX042608R9999	ZXM2130	2CPX042528R9999
		2		520	1	ZX2131	2CPX042609R9999	ZXM2131	2CPX042529R9999
		3		770	1	ZX2132	2CPX042610R9999	ZXM2132	2CPX042530R9999
		4		1020	1	ZX2133	2CPX042611R9999	ZXM2133	2CPX042531R9999
		5		1270	1	ZX2134	2CPX042612R9999	ZXM2134	2CPX042532R9999
<b>Copper rail A2, busbars for cabinet row mounting right and left</b>									
30 x 10	630	1		340	1	ZX1104	2CPX041966R9999	ZXM1104	2CPX041576R9999
		2		590	1	ZX1105	2CPX041967R9999	ZXM1105	2CPX041577R9999
		3		840	1	ZX1106	2CPX041968R9999	ZXM1106	2CPX041578R9999
		4		1090	1	ZX1107	2CPX041969R9999	ZXM1107	2CPX041579R9999
		5		1340	1	ZX1108	2CPX041970R9999	ZXM1108	2CPX041580R9999
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
30 x 10	360			94	1	ZX1184	2CPX042024R9999	-	-
<b>Copper rail C, connector for the pro E power system cabinet row mounting right or left</b>									
30 x 10	360			74	1	ZX1194	2CPX042107R9999	-	-

## Busbars TriLine system and pro E power system

### Row mounting for modules M(B)R...03

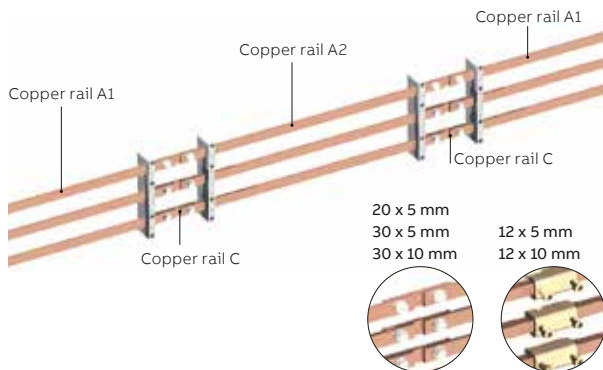


- It is possible to combine different module widths within the cabinet with continuous busbars
- A connector is required for cabinet row mounting for each busbar connection
- The busbar connection is realized outside the module
- Busbar connector for copper 12 x 5 mm and 12 x 10 mm, including connection terminals
- Busbar connector for copper 20 x 5 mm, including press-in nuts and fastening screws
- 3 copper rails A1/A2 and C are required per module

Copper rail mm	I <sub>n</sub> A	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		FB	mm			Type	Order code	Type	Order code
<b>Copper rail A1, busbars for TriLine cabinet row mounting right or left</b>									
12 x 5	250	1	267	1	ZX2088	2CPX042573R9999	ZXM2088	2CPX042493R9999	
		2	517	1	ZX2089	2CPX042574R9999	ZXM2089	2CPX042494R9999	
		3	767	1	ZX2090	2CPX042575R9999	ZXM2090	2CPX042495R9999	
		4	1017	1	ZX2091	2CPX042576R9999	ZXM2091	2CPX042496R9999	
		5	1267	1	ZX2092	2CPX042577R9999	ZXM2092	2CPX042497R9999	
12 x 10	360	1	267	1	ZX2100	2CPX042583R9999	ZXM2100	2CPX042503R9999	
		2	517	1	ZX2101	2CPX042584R9999	ZXM2101	2CPX042504R9999	
		3	767	1	ZX2102	2CPX042585R9999	ZXM2102	2CPX042505R9999	
		4	1017	1	ZX2103	2CPX042586R9999	ZXM2103	2CPX042506R9999	
		5	1267	1	ZX2104	2CPX042587R9999	ZXM2104	2CPX042507R9999	
20 x 5	320	1	267	1	ZX2106	2CPX042588R9999	ZXM2106	2CPX042508R9999	
		2	517	1	ZX2107	2CPX042589R9999	ZXM2107	2CPX042509R9999	
		3	767	1	ZX2108	2CPX042590R9999	ZXM2108	2CPX042510R9999	
		4	1017	1	ZX2109	2CPX042591R9999	ZXM2109	2CPX042511R9999	
		5	1267	1	ZX2110	2CPX042592R9999	ZXM2110	2CPX042512R9999	
30 x 5	440	1	267	1	ZX2118	2CPX042598R9999	ZXM2118	2CPX042518R9999	
		2	517	1	ZX2119	2CPX042599R9999	ZXM2119	2CPX042519R9999	
		3	767	1	ZX2120	2CPX042600R9999	ZXM2120	2CPX042520R9999	
		4	1017	1	ZX2121	2CPX042601R9999	ZXM2121	2CPX042521R9999	
		5	1267	1	ZX2122	2CPX042602R9999	ZXM2122	2CPX042522R9999	
30 x 10	630	1	267	1	ZX2124	2CPX042603R9999	ZXM2124	2CPX042523R9999	
		2	517	1	ZX2125	2CPX042604R9999	ZXM2125	2CPX042524R9999	
		3	767	1	ZX2126	2CPX042605R9999	ZXM2126	2CPX042525R9999	
		4	1017	1	ZX2127	2CPX042606R9999	ZXM2127	2CPX042526R9999	
		5	1267	1	ZX2128	2CPX042607R9999	ZXM2128	2CPX042527R9999	

## Busbars TriLine system and pro E power system

### Row mounting for modules M(B)R...03



- It is possible to combine different module widths within the cabinet with continuous busbars
- A connector is required for cabinet row mounting for each busbar connection
- The busbar connection is realized outside the module
- Busbar connector for copper 12 x 5 mm and 12 x 10 mm, including connection terminals
- Busbar connector for copper 20 x 5 mm, including press-in nuts and fastening screws
- 3 copper rails A1/A2 and C are required per module

Copper rail mm	I <sub>n</sub> A	Width		Unit	Kit not installed		Mounted and installed in the cabinet		
		FB	mm		Type	Order code	Type	Order code	
<b>Copper rail A2, busbars for cabinet row mounting right and left</b>									
12 x 5	250	1	345	1	ZX1080	2CPX041942R9999	ZXM1080	2CPX041552R9999	
		2	595	1	ZX1081	2CPX041943R9999	ZXM1081	2CPX041553R9999	
		3	845	1	ZX1082	2CPX041944R9999	ZXM1082	2CPX041554R9999	
		4	1095	1	ZX1083	2CPX041945R9999	ZXM1083	2CPX041555R9999	
		5	1345	1	ZX1084	2CPX041946R9999	ZXM1084	2CPX041556R9999	
12 x 10	360	1	340	1	ZX1086	2CPX041948R9999	ZXM1086	2CPX041558R9999	
		2	590	1	ZX1087	2CPX041949R9999	ZXM1087	2CPX041559R9999	
		3	840	1	ZX1088	2CPX041950R9999	ZXM1088	2CPX041560R9999	
		4	1090	1	ZX1089	2CPX041951R9999	ZXM1089	2CPX041561R9999	
		5	1340	1	ZX1090	2CPX041952R9999	ZXM1090	2CPX041562R9999	
20 x 5	320	1	340	1	ZX1092	2CPX041954R9999	ZXM1092	2CPX041564R9999	
		2	590	1	ZX1093	2CPX041955R9999	ZXM1093	2CPX041565R9999	
		3	840	1	ZX1094	2CPX041956R9999	ZXM1094	2CPX041566R9999	
		4	1090	1	ZX1095	2CPX041957R9999	ZXM1095	2CPX041567R9999	
		5	1340	1	ZX1096	2CPX041958R9999	ZXM1096	2CPX041568R9999	
30 x 5	440	1	340	1	ZX1098	2CPX041960R9999	ZXM1098	2CPX041570R9999	
		2	590	1	ZX1099	2CPX041961R9999	ZXM1099	2CPX041571R9999	
		3	840	1	ZX1100	2CPX041962R9999	ZXM1100	2CPX041572R9999	
		4	1090	1	ZX1101	2CPX041963R9999	ZXM1101	2CPX041573R9999	
		5	1340	1	ZX1102	2CPX041964R9999	ZXM1102	2CPX041574R9999	
30 x 10	630	1	340	1	ZX1104	2CPX041966R9999	ZXM1104	2CPX041576R9999	
		2	590	1	ZX1105	2CPX041967R9999	ZXM1105	2CPX041577R9999	
		3	840	1	ZX1106	2CPX041968R9999	ZXM1106	2CPX041578R9999	
		4	1090	1	ZX1107	2CPX041969R9999	ZXM1107	2CPX041579R9999	
		5	1340	1	ZX1108	2CPX041970R9999	ZXM1108	2CPX041580R9999	
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
12 x 5	250		44	1	ZX1180	2CPX042020R9999	-	-	
12 x 10	360		44	1	ZX1181	2CPX042021R9999	-	-	
20 x 5	320		94	1	ZX1182	2CPX042022R9999	-	-	
30 x 5	440		94	1	ZX1183	2CPX042023R9999	-	-	
30 x 10	630		94	1	ZX1184	2CPX042024R9999	-	-	
<b>Copper rail C, connector for the pro E power system cabinet row mounting right or left</b>									
12 x 5	250		44	1	ZX1180	2CPX042020R9999	-	-	
12 x 10	360		44	1	ZX1181	2CPX042021R9999	-	-	
20 x 5	320		74	1	ZX1192	2CPX042105R9999	-	-	
30 x 5	440		74	1	ZX1193	2CPX042106R9999	-	-	
30 x 10	630		74	1	ZX1194	2CPX042107R9999	-	-	

## Busbars TriLine system and pro E power system

Row mounting of modules 100 mm, NH00 switch disconnectors, M(B)D...52(B)



ZXM1215

- Busbars for individual cabinet installation
- With the EDF and WR mounting frame, defined combinations (see info FB width) are possible within the cabinet. The different busbars can be connected via a connection set
- The NH00 fuse switch disconnection rails are mounted directly on the copper rails prepared with press-in nuts
- Set positions are specified for feeding in on copper rails
- 3 copper rails are required per module

Copper rail mm	I <sub>n</sub> A	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		FB	mm			Type	Order code	Type	Order code
30 x 10	630	1	184		1	ZX1210	2CPX042121R9999	ZXM1210	2CPX042230R9999
		2	434		1	ZX1211	2CPX042122R9999	ZXM1211	2CPX042231R9999
		3	684		1	ZX1212	2CPX042123R9999	ZXM1212	2CPX042232R9999
40 x 10	850	1	184		1	ZX1213	2CPX042124R9999	ZXM1213	2CPX042233R9999
		2	434		1	ZX1214	2CPX042125R9999	ZXM1214	2CPX042234R9999
		3	684		1	ZX1215	2CPX042126R9999	ZXM1215	2CPX042235R9999



ZX1217

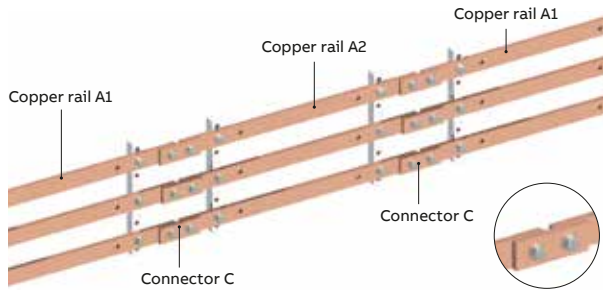
- Busbars connection set (cabinet-cabinet)
- **Important:** Note the cabinet depth when using a connection set
- A ZX22... P3 set with 3 connectors is required per connection

Copper rail mm	I <sub>n</sub> A	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		FB	mm			Type	Order code	Type	Order code
<b>Copper rail C, connector for the cabinet row mounting right or left for the TriLine system</b>									
30 x 10	630		230		3	ZX2216P3	on request	-	-
40 x 10	850		230		3	ZX2217P3	on request	-	-
<b>Copper rail C, connector for the cabinet row mounting right or left for the pro E power system</b>									
30 x 10	630		230		3	ZX2218P3	on request	-	-
40 x 10	850		230		3	ZX2219P3	on request	-	-



## Busbars TriLine system and pro E power system

Row mounting of modules 185 mm, switch disconnectors, M(B)D..21-300(B)

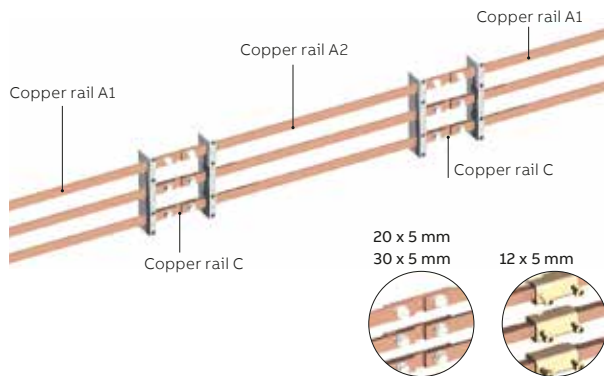


- Combinations of different module widths are possible within a cabinet with continuous busbars.
- The busbars A1 and A2 are provided with press-in nuts to assemble the NH-in-line fused load break switches.
- The busbar connection is realized outside the module
- 3 copper rails A1 or A2 and 3 or 6 copper connectors C are required per module
- The busbars A1 are required for cabinet row mounting right or left (right extension)
- The busbars A2 are required for cabinet row mounting right and left (both sides extension)
- A busbar connector C is required for each busbar connection
- The busbar connector is delivered with the press-in nuts and attachment material

Copper rail	I <sub>n</sub>	Width			Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	A	FB		Type	Order code	Type	Order code
<b>Copper rail A1, busbars for the cabinet row mounting right or left (right extension) for the TriLine and pro E power systems</b>									
30 x 10	630	1		274	1	ZX2520	2CPX042968R9999	ZXM2520	2CPX043316R9999
		2		524	1	ZX2521	2CPX042969R9999	ZXM2521	2CPX043317R9999
		3		774	1	ZX2522	2CPX042970R9999	ZXM2522	2CPX043318R9999
		4 (2FB+2FB)		1024	1	ZX2523	2CPX042971R9999	ZXM2523	2CPX043319R9999
		5 (3FB+2FB)		1274	1	ZX2524	2CPX042972R9999	ZXM2524	2CPX043320R9999
4 x 10	850	1		274	1	ZX2525	2CPX042973R9999	ZXM2525	2CPX043321R9999
		2		524	1	ZX2526	2CPX042974R9999	ZXM2526	2CPX043322R9999
		3		774	1	ZX2527	2CPX042975R9999	ZXM2527	2CPX043323R9999
		4 (2FB+2FB)		1024	1	ZX2528	2CPX042976R9999	ZXM2528	2CPX043324R9999
		5 (3FB+2FB)		1274	1	ZX2529	2CPX042977R9999	ZXM2529	2CPX043325R9999
<b>Copper rail A2, busbars for the cabinet row mounting right and left (both sides extension) for the TriLine and pro E power systems</b>									
30 x 10	630	1		333	1	ZX2530	2CPX042978R9999	ZXM2530	2CPX043326R9999
		2		583	1	ZX2531	2CPX042979R9999	ZXM2531	2CPX043327R9999
		3		833	1	ZX2532	2CPX042980R9999	ZXM2532	2CPX043328R9999
		4 (2FB+2FB)		1083	1	ZX2533	2CPX042981R9999	ZXM2533	2CPX043329R9999
		5 (3FB+2FB)		1333	1	ZX2534	2CPX042982R9999	ZXM2534	2CPX043330R9999
40 x 10	850	1		333	1	ZX2535	2CPX042983R9999	ZXM2535	2CPX043331R9999
		2		583	1	ZX2536	2CPX042984R9999	ZXM2536	2CPX043332R9999
		3		833	1	ZX2537	2CPX042985R9999	ZXM2537	2CPX043333R9999
		4 (2FB+2FB)		1083	1	ZX2538	2CPX042986R9999	ZXM2538	2CPX043334R9999
		5 (3FB+2FB)		1333	1	ZX2539	2CPX042987R9999	ZXM2539	2CPX043335R9999
<b>Copper rail C, connector for the cabinet row mounting right and/or left for the TriLine pro E power systems</b>									
30 x 10	630			100	1	ZX2540	2CPX042988R9999	ZXM2540	2CPX043336R9999
40 x 10	850			100	1	ZX2541	2CPX042989R9999	ZXM2541	2CPX043337R9999

## Busbars TriLine system and pro E power system

### Row mounting for modules M(B)R...02(B)

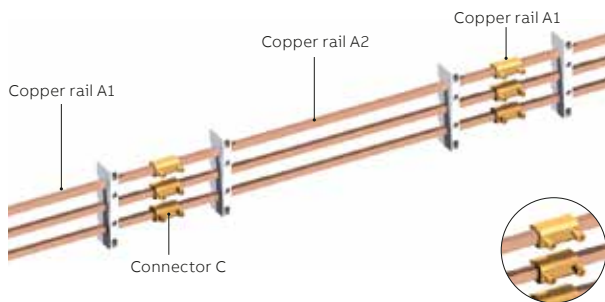


- It is possible to combine different module widths within the cabinet with continuous busbars
- A connector is required for cabinet row mounting for each busbar connection
- The busbar connection is realized outside the module
- Busbar connector for copper 12 x 5 mm and 12 x 10 mm, including connection terminals
- Busbar connector for copper 20 x 5 mm, including press-in nuts and fastening screws
- 3 copper rails A1/A2 and C are required per module

Copper rail	I <sub>n</sub>	Width		Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	FB		Type	Order code	Type	Order code
<b>Copper rail A1, busbars for cabinet row mounting right or left</b>								
12 x 5	250	1	293	1	ZX1040	2CPX041906R9999	ZXM1040	2CPX041516R9999
		2	543	1	ZX1041	2CPX041907R9999	ZXM1041	2CPX041517R9999
		3	793	1	ZX1042	2CPX041908R9999	ZXM1042	2CPX041518R9999
		4	1043	1	ZX1043	2CPX041909R9999	ZXM1043	2CPX041519R9999
		5	1293	1	ZX1044	2CPX041910R9999	ZXM1044	2CPX041520R9999
20 x 5	320	1	293	1	ZX1052	2CPX041918R9999	ZXM1052	2CPX041528R9999
		2	543	1	ZX1053	2CPX041919R9999	ZXM1053	2CPX041529R9999
		3	793	1	ZX1054	2CPX041920R9999	ZXM1054	2CPX041530R9999
		4	1043	1	ZX1055	2CPX041921R9999	ZXM1055	2CPX041531R9999
		5	1293	1	ZX1056	2CPX041922R9999	ZXM1056	2CPX041532R9999
30 x 5	440	1	293	1	ZX1058	2CPX041924R9999	ZXM1058	2CPX041534R9999
		2	543	1	ZX1059	2CPX041925R9999	ZXM1059	2CPX041535R9999
		3	793	1	ZX1060	2CPX041926R9999	ZXM1060	2CPX041536R9999
		4	1043	1	ZX1061	2CPX041927R9999	ZXM1061	2CPX041537R9999
		5	1293	1	ZX1062	2CPX041928R9999	ZXM1062	2CPX041538R9999
<b>Copper rail A2, busbars for cabinet row mounting right and left</b>								
12 x 5	250	1	345	1	ZX1080	2CPX041942R9999	ZXM1080	2CPX041552R9999
		2	595	1	ZX1081	2CPX041943R9999	ZXM1081	2CPX041553R9999
		3	845	1	ZX1082	2CPX041944R9999	ZXM1082	2CPX041554R9999
		4	1095	1	ZX1083	2CPX041945R9999	ZXM1083	2CPX041555R9999
		5	1345	1	ZX1084	2CPX041946R9999	ZXM1084	2CPX041556R9999
20 x 5	320	1	340	1	ZX1092	2CPX041954R9999	ZXM1092	2CPX041564R9999
		2	590	1	ZX1093	2CPX041955R9999	ZXM1093	2CPX041565R9999
		3	840	1	ZX1094	2CPX041956R9999	ZXM1094	2CPX041566R9999
		4	1090	1	ZX1095	2CPX041957R9999	ZXM1095	2CPX041567R9999
		5	1340	1	ZX1096	2CPX041958R9999	ZXM1096	2CPX041568R9999
30 x 5	440	1	340	1	ZX1098	2CPX041960R9999	ZXM1098	2CPX041570R9999
		2	590	1	ZX1099	2CPX041961R9999	ZXM1099	2CPX041571R9999
		3	840	1	ZX1100	2CPX041962R9999	ZXM1100	2CPX041572R9999
		4	1090	1	ZX1101	2CPX041963R9999	ZXM1101	2CPX041573R9999
		5	1340	1	ZX1102	2CPX041964R9999	ZXM1102	2CPX041574R9999
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>								
12 x 5	250		44	1	ZX1180	2CPX042020R9999	-	-
20 x 5	320		94	1	ZX1182	2CPX042022R9999	-	-
30 x 5	440		94	1	ZX1183	2CPX042023R9999	-	-
<b>Copper rail C, connector for the pro E power system cabinet row mounting right or left</b>								
12 x 5	250		44	1	ZX1180	2CPX042020R9999	-	-
20 x 5	320		74	1	ZX1192	2CPX042105R9999	-	-
30 x 5	440		74	1	ZX1193	2CPX042106R9999	-	-

## Busbars TriLine system and pro E power system

Row mounting for modules M(B)T...50+51(B)

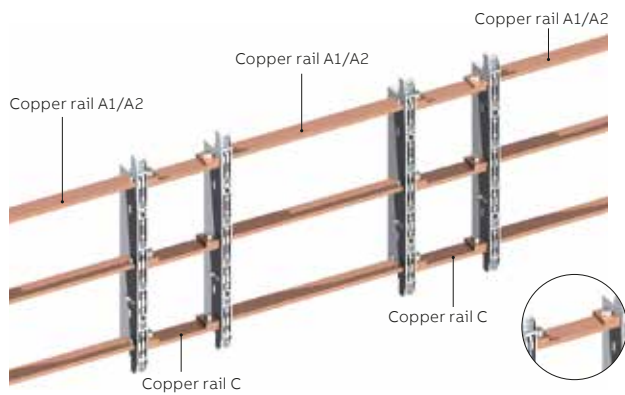


- It is possible to combine different module widths within the cabinet with continuous busbars
- A connector is required for cabinet row mounting for each busbar connection
- The busbar connection is realized outside the module
- Busbar connector, including connection terminals
- 3 copper rails A1/A2 and C are required per module

Copper rail	I <sub>n</sub>	Width		Unit	Kit not installed		Mounted and installed in the cabinet		
		A	FB		mm	Type	Order code	Type	Order code
<b>Copper rail A1, busbars for cabinet row mounting right or left</b>									
12 x 5	250	2	543	1	ZX1041	2CPX041907R9999	ZXM1041	2CPX041517R9999	
		3	793	1	ZX1042	2CPX041908R9999	ZXM1042	2CPX041518R9999	
		4	1043	1	ZX1043	2CPX041909R9999	ZXM1043	2CPX041519R9999	
		5	1293	1	ZX1044	2CPX041910R9999	ZXM1044	2CPX041520R9999	
12 x 10	360	2	543	1	ZX1047	2CPX041913R9999	ZXM1047	2CPX041523R9999	
		3	793	1	ZX1048	2CPX041914R9999	ZXM1048	2CPX041524R9999	
		4	1043	1	ZX1049	2CPX041915R9999	ZXM1049	2CPX041525R9999	
		5	1293	1	ZX1050	2CPX041916R9999	ZXM1050	2CPX041526R9999	
<b>Copper rail A2, busbars for cabinet row mounting right and left</b>									
12 x 5	250	2	595	1	ZX1081	2CPX041943R9999	ZXM1081	2CPX041553R9999	
		3	845	1	ZX1082	2CPX041944R9999	ZXM1082	2CPX041554R9999	
		4	1095	1	ZX1083	2CPX041945R9999	ZXM1083	2CPX041555R9999	
		5	1345	1	ZX1084	2CPX041946R9999	ZXM1084	2CPX041556R9999	
12 x 10	360	2	590	1	ZX1087	2CPX041949R9999	ZXM1087	2CPX041559R9999	
		3	840	1	ZX1088	2CPX041950R9999	ZXM1088	2CPX041560R9999	
		4	1090	1	ZX1089	2CPX041951R9999	ZXM1089	2CPX041561R9999	
		5	1340	1	ZX1090	2CPX041952R9999	ZXM1090	2CPX041562R9999	
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
12 x 5	250		44	1	ZX1180	2CPX042020R9999	-	-	
12 x 10	360		44	1	ZX1181	2CPX042021R9999	-	-	
<b>Copper rail C, connector for the pro E power system cabinet row mounting right or left</b>									
12 x 5	250		44	1	ZX1180	2CPX042020R9999	-	-	
12 x 10	360		44	1	ZX1181	2CPX042021R9999	-	-	

## Busbars TriLine system and pro E power system

### Row mounting for modules M(B)L...5



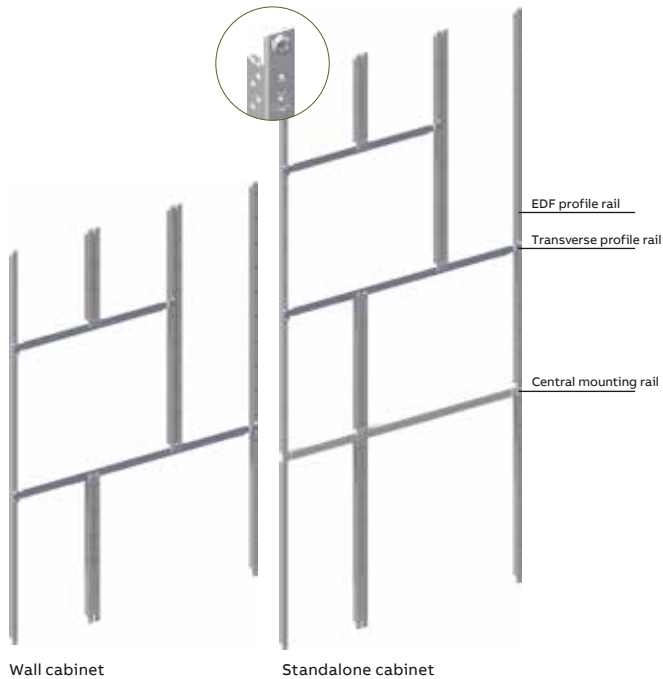
- It is possible to combine different module widths within the cabinet with continuous busbars
- A connector is required for cabinet row mounting for each busbar connection
- The busbar connection is realized outside the module
- Busbar connector, including press-in nuts and attachment material
- 3 copper rails A1/A2 and C are required per module

Copper rail	I <sub>n</sub>	Width		Unit	Kit not installed		Mounted and installed in the cabinet		
		mm	FB		Type	Order code	Type	Order code	
<b>Copper rail A1/A2, busbars for TriLine cabinet row mounting right or left</b>									
40 x 10	850	2	496	1	ZX1032	2CPX041901R9999	ZXM1032	2CPX041511R9999	
		3	746	1	ZX1033	2CPX041902R9999	ZXM1033	2CPX041512R9999	
		4	996	1	ZX1034	2CPX041903R9999	ZXM1034	2CPX041513R9999	
		5	1246	1	ZX1035	2CPX041904R9999	ZXM1035	2CPX041514R9999	
<b>Copper rail A1/A2, busbars for cabinet row mounting right and left</b>									
40 x 10	850	2	496	1	ZX1032	2CPX041901R9999	ZXM1032	2CPX041511R9999	
		3	746	1	ZX1033	2CPX041902R9999	ZXM1033	2CPX041512R9999	
		4	996	1	ZX1034	2CPX041903R9999	ZXM1034	2CPX041513R9999	
		5	1246	1	ZX1035	2CPX041904R9999	ZXM1035	2CPX041514R9999	
<b>Copper rail C, connector for TwinLine cabinet row mounting right or left</b>									
40 x 10	850		165	1	ZX1186	2CPX042887R9999	-	-	
<b>Copper rail C, connector for the pro E power system cabinet row mounting right or left</b>									
40 x 10	850		165	1	ZX1196	2CPX042109R9999	-	-	



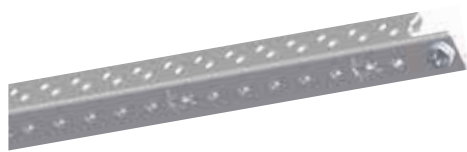
## Interior expansion system CombiLine N

### EDF mounting frame parts



Wall cabinet

Standalone cabinet



EDM9

#### Setup possibilities with EDF mounting frame parts in the variable setup with transverse profile rails

The vertical EDF profile rails are prepared for receiving modules. The use of a transverse profile rail is necessary to connect different field widths.

The TwinLine wall cabinets are prepared for the setup with the EDF mounting frame parts. In the TwinLine standalone cabinet, it is necessary to use a central mounting rail and EDF adapters (see TwinLine chapter). For the installation of CombiLine modules in ComfortLine A wall cabinets, additional fastening parts CZ11 have to be ordered.

- Vertical EDF profile rail
- Including fastening screws
- To set up the modules up to 400 A

Description	Height			Kit not installed		Mounted and installed in the cabinet	
	RE	mm	Unit	Type	Order code	Type	Order code
Vertical EDF profile rail	1	150	1	ED7	2CPX041865R9999	EDM7	2CPX041455R9999
			20	ED7P20	2CPX041866R9999	-	-
	2	300	1	ED8	2CPX039208R9999	EDM8	2CPX041456R9999
			20	ED8P20	2CPX062311R9999	-	-
	3	450	1	ED9	2CPX039209R9999	EDM9	2CPX041457R9999
			20	ED9P20	2CPX062312R9999	-	-
	4	600	1	ED10	2CPX039210R9999	EDM10	2CPX041458R9999
			20	ED10P20	2CPX062313R9999	-	-
	5	750	1	ED11	2CPX039211R9999	EDM11	2CPX041459R9999
			20	ED11P20	2CPX062314R9999	-	-
	6	900	1	ED12	2CPX039212R9999	EDM12	2CPX041460R9999
			20	ED12P20	2CPX062315R9999	-	-
	7	1050	1	ED13	2CPX039213R9999	EDM13	2CPX041461R9999
			20	ED13P20	2CPX062316R9999	-	-
	8	1200	1	ED14	2CPX039214R9999	EDM14	2CPX041462R9999
			20	ED14P20	2CPX062317R9999	-	-
	9	1350	1	ED15	2CPX039215R9999	EDM15	2CPX041463R9999
			20	ED15P20	2CPX062318R9999	-	-
Vertical EDF profile rail For holding touch protection covers during free removal	12	1800	1	ED18	2CPX039216R9999	-	-
			20	ED18P20	2CPX062325R9999	-	-
	14	2100	1	ED20	2CPX039218R9999	-	-

## Interior expansion system CombiLine N

### EDF mounting frame parts



ED112

- Horizontal transverse profile rails for field distribution upwards **and** downwards
- Including fastening screws

Description	Width			Kit not installed		Mounted and installed in the cabinet	
	FB	mm	Unit	Type	Order code	Type	Order code
Transverse profile rail	2	500	1	ED112	2CPX068572R9999	EDM112	2CPX041464R9999
			10	ED112P10	2CPX062736R9999	-	-
	3	750	1	ED113	2CPX068573R9999	EDM113	2CPX041465R9999
			10	ED113P10	2CPX062737R9999	-	-



ED122

- Horizontal transverse profile rails for field distribution upwards **or** downwards
- Including fastening screws

Description	Width			Kit not installed		Mounted and installed in the cabinet	
	FB	mm	Unit	Type	Order code	Type	Order code
Transverse profile rail	2	500	1	ED122	2CPX042847R9999	EDM122	2CPX042845R9999
			10	ED122P10	2CPX062738R9999	-	-
	3	750	1	ED123	2CPX042848R9999	EDM123	2CPX042846R9999
			10	ED123P10	2CPX062739R9999	-	-



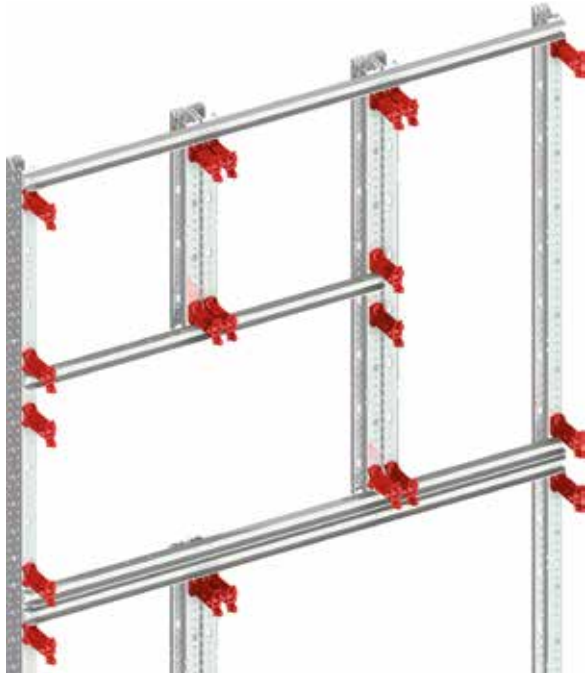
ED403

- EDF profile rails for stabilizing the DIN rails with each other
- Included in the scope of delivery by default with 3-field width modules

Description	Height			Kit not installed		Mounted and installed in the cabinet	
	RE	mm	Unit	Type	Order code	Type	Order code
For rail-mounted device modules with a rail spacing 125 mm	2	152	1	ED402	2CPX042615R9999	-	-
	3	276	1	ED403	2CPX042616R9999	-	-
	4	401	1	ED404	2CPX042617R9999	-	-
	5	527	1	ED405	2CPX042618R9999	-	-
For rail-mounted device modules with a rail spacing 150 mm	2	177	1	ED412	2CPX042619R9999	-	-
	3	327	1	ED413	2CPX042620R9999	-	-
	4	477	1	ED414	2CPX042621R9999	-	-
	5	627	1	ED415	2CPX042622R9999	-	-

## Interior expansion system CombiLine N

### WR mounting frame parts



#### Setup possibilities with WR mounting frame parts in the variable setup with transverse profile rails.

The vertical WR profile rails are prepared for receiving modules. The use of a transverse profile rail is necessary to connect different field widths. The WR mounting frame is used in the TwinLine standalone cabinet. The EDF adapters of the mounting frame holder are removed for assembly in the TwinLine wall cabinet.



- WR mounting frame, complete
- WR profile rail, vertical with transverse profile rail
- To set up the modules up to 850 A

WRM281

Description	Width			Kit not installed		Mounted and installed in the cabinet	
	FB	mm	Unit	Type	Order code	Type	Order code
<b>WR mounting frame</b> For all standalone and series switching cabinets from a depth of 225 mm Height 12 RE, 1800 mm	1	250	1	WR181	2CPX042858R9999	WRM181	2CPX042849R9999
	2	500	1	WR281	2CPX042859R9999	WRM281	2CPX042850R9999
	3	750	1	WR381	2CPX042860R9999	WRM381	2CPX042851R9999
	4	1000	1	WR481	2CPX042861R9999	WRM481	2CPX042852R9999
<b>WR mounting frame</b> For series switching cabinets from a depth of 325 mm Height 14 RE, 2100 mm	1	250	1	WR1101	2CPX042862R9999	WRM1101	2CPX042853R9999
	2	500	1	WR2101	2CPX042863R9999	WRM2101	2CPX042854R9999
	3	750	1	WR3101	2CPX042864R9999	WRM3101	2CPX042855R9999
	4	1000	1	WR4101	2CPX042865R9999	WRM4101	2CPX042856R9999



## Interior expansion system CombiLine N

### WR mounting frame parts



ZW213

- Vertical WR profile rail
- For the height compensation when using transverse profile rails

Description	Height			Kit not installed		Mounted and installed in the cabinet	
	RE	mm	Unit	Type	Order code	Type	Order code
Vertical WR profile rail	1	150	1	ZW367	2CPX041850R9999	ZWM367	2CPX041432R9999
	2	300	1	ZW368	2CPX041851R9999	ZWM368	2CPX041433R9999
	3	450	1	ZW369	2CPX041852R9999	ZWM369	2CPX041434R9999
	4	600	1	ZW370	2CPX041853R9999	ZWM370	2CPX041435R9999
	5	750	1	ZW371	2CPX041854R9999	ZWM371	2CPX041436R9999
	6	900	1	ZW372	2CPX041855R9999	ZWM372	2CPX041437R9999
	7	1050	1	ZW373	2CPX041856R9999	ZWM373	2CPX041438R9999
	8	1200	1	ZW374	2CPX041857R9999	ZWM374	2CPX041439R9999
	9	1350	1	ZW375	2CPX041858R9999	ZWM375	2CPX041440R9999
	10	1500	1	ZW376	2CPX041859R9999	ZWM376	2CPX041441R9999
	11	1650	1	ZW377	2CPX041860R9999	ZWM377	2CPX041442R9999
	12	1800	1	ZW213	2CPX060141R9999	ZWM213	2CPX041430R9999
			10	ZW213P10	2CPX062641R9999	-	-
			300	ZW213P300	2CPX062714R9999	-	-
13	1950	1	ZW378	2CPX041861R9999	ZWM378	2CPX041443R9999	
14	2100	1	ZW214	2CPX060142R9999	ZWM214	2CPX041431R9999	
		10	ZW214P10	2CPX062642R9999	-	-	



ZW165

- Horizontal transverse profile rails for field distribution
- Including fastening screws
- Two transverse profile rails are required for field distribution upwards and downwards

Description	Width			Kit not installed		Mounted and installed in the cabinet	
	FB	mm	Unit	Type	Order code	Type	Order code
Horizontal transverse profile rail	1	250	1	ZW164	2CPX042866R9999	ZWM164	2CPX042857R9999
			10	ZW164P10	2CPX062710R9999	-	-
	2	500	1	ZW165	2CPX041862R9999	ZWM165	2CPX041444R9999
			10	ZW165P10	2CPX062711R9999	-	-
	3	750	1	ZW166	2CPX041863R9999	ZWM166	2CPX041445R9999
			10	ZW166P10	2CPX062712R9999	-	-
	4	1000	1	ZW167	2CPX041864R9999	ZWM167	2CPX041446R9999
			10	ZW167P10	2CPX062713R9999	-	-
	5	1250	1	ZW168	2CPX042950R9999	-	-
	6	1500	1	ZW163	2CPX042951R9999	-	-



ZW209

- As transverse profile rails in the WR mounting frame

Horizontal WR profile rail	1	186	1	ZW209	2CPX039207R9999	-	-
	2	436	1	ZW210	2CPX060138R9999	-	-
	3	686	1	ZW211	2CPX060139R9999	-	-
	4	936	1	ZW212	2CPX060140R9999	-	-

## Interior expansion system CombiLine N

### Mounting frames / installation sets

#### EDF installation set

Required when installing distribution board panels, combination sets, meter panels or modules on the EDF mounting frame on the WR mounting frame.

Article	Unit	Type	Order code
1 panel wide	1	WNF1	2CPX045961R9999
2 panel wide	1	WNF2	2CPX045962R9999
3 panel wide	1	WNF3	2CPX045963R9999
4 panel wide	1	WNF4	2CPX045964R9999
5 panel wide = WNF2 + WNF3		-	-



WNF3

#### EDF installation set

Required when fitting universal cross members and profiles Required when installing distribution board panels, combination sets, meter panels or modules on the EDF mounting frame.

1 panel wide	1	RNF1	2CPX045956R9999
2 panel wide	1	RNF2	2CPX045957R9999
3 panel wide	1	RNF3	2CPX045958R9999
4 panel wide	1	RNF4	2CPX045958R9999
5 panel wide	1	RNF5	2CPX045960R9999



RNF3

#### System parts for EDF installation set ENF

Bracket set for support rails - 1 x left and 1 x right	1	ZW61LR	2CPX062455R9999
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ZW61LR

#### Support rail, top or bottom

1 panel wide	1	ZW50	2CPX039459R9999
2 panel wide	1	ZW46	2CPX039446R9999
3 panel wide	1	ZW47	2CPX039447R9999
4 panel wide	1	ZW48	2CPX039448R9999



ZW50

#### Support rail, centre

1 panel wide	1	ZW41	2CPX039441R9999
2 panel wide	1	ZW42	2CPX039442R9999
3 panel wide	1	ZW43	2CPX039443R9999
4 panel wide	1	ZW44	2CPX039444R9999



ZW41

#### System parts for EDF installation set ENF

#### Support rail, top or bottom

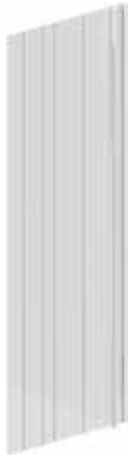
1 panel wide	1	RZ21	2CPX045966R9999
2 panel wide	1	RZ22	2CPX045967R9999
3 panel wide	1	RZ23	2CPX045968R9999
4 panel wide	1	RZ24	2CPX045969R9999
5 panel wide	1	RZ25	2CPX045970R9999



RZ21

## Interior expansion system CombiLine N

### Plastic partitions



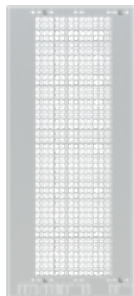
ZX69

Article	Height			Type	Order code
	RE	BH	Unit		
<b>Vertical partitions, plastic</b> Not fault arc-proof, separation from adjacent module, distribution panel, meter panel, partition is inserted in adjacent module in the cover bracket, color similar to RAL 7035	3	00	1	ZX69	2CPX039069R9999
	4	0	1	ZX70	2CPX039070R9999
	5	1	1	ZX71	2CPX039071R9999
	6	2	1	ZX72	2CPX039072R9999
	7	3	1	ZX73	2CPX039073R9999
	8	4	1	ZX74	2CPX039074R9999
	9	5	1	ZX75	2CPX039075R9999



ZX86

Article	Width		Unit	Type	Order code
	FB	mm			
<b>Horizontal partitions, plastic</b> Not fault arc-proof, separation from adjacent module, distribution panel, meter panel, partition is inserted in adjacent module in the cover bracket, color similar to RAL 7035	1	250	1	ZX86	2CPX039086R9999
	2	500	1	ZX87	2CPX039087R9999



ZX786

Article	Width			Type	Order code
	FB	mm	Unit		
<b>Vertical partition, plastic</b> Not fault, Arc-Proof, for separation of 2 X-Cabinets side-by-side connection Existing of 3 Pieces, for X-cabinets only, 400 mm depth	12	8	1	ZX786	2CPX041869R9999

## Interior expansion system CombiLine N

### Sheet steel partitions



ZX820

Article	Height			Type	Order code	
	RE	BH	Unit			
<b>For TwinLine-G cabinets</b>						
<b>Vertical partitions, sheet steel</b>	3	00	1	ZX810	2CPX010675R9999	
Not fault arc-proof, separation from the adjacent module, distribution panel, meter panel, partition is riveted to WR profile / EDF profile; the partition is provided for the attachment position 0*	4	0	1	ZX811	2CPX010676R9999	
	5	1	1	ZX812	2CPX010677R9999	
	6	2	1	ZX813	2CPX010678R9999	
	7	3	1	ZX814	2CPX010679R9999	
	8	4	1	ZX815	2CPX010680R9999	
	9	5	1	ZX816	2CPX010681R9999	
	12	8	1	ZX817	2CPX010682R9999	
	<b>For TwinLine-L cabinets</b>					
	<b>Vertical partitions, sheet steel</b>	3	00	1	ZX820	2CPX010683R9999
	Not fault arc-proof, separation from the adjacent module, distribution panel, meter panel, partition is riveted to WR profile / EDF profile; the partition is provided for the attachment position 0*	4	0	1	ZX821	2CPX010684R9999
5		1	1	ZX822	2CPX010685R9999	
6		2	1	ZX823	2CPX010686R9999	
7		3	1	ZX824	2CPX010687R9999	
8		4	1	ZX825	2CPX010688R9999	
9		5	1	ZX826	2CPX010689R9999	
12		8	1	ZX827	2CPX010690R9999	
<b>For TwinLine-W cabinets</b>						
<b>Vertical partitions, sheet steel</b>		3	00	1	ZX830	2CPX010691R9999
Not fault arc-proof, separation from the adjacent module, distribution panel, meter panel, partition is riveted to WR profile / EDF profile; the partition is provided for the attachment position 0*		4	0	1	ZX831	2CPX010692R9999
	5	1	1	ZX832	2CPX010693R9999	
	6	2	1	ZX833	2CPX010694R9999	
	7	3	1	ZX834	2CPX010695R9999	
	8	4	1	ZX835	2CPX010696R9999	
	9	5	1	ZX836	2CPX010697R9999	
	12	8	1	ZX837	2CPX010698R9999	
	<b>For TwinLine-X cabinets</b>					
	<b>Vertical partitions, sheet steel</b>	3	00	1	ZX860	2CPX011001R9999
	Not fault arc-proof, separation from the adjacent module, distribution panel, meter panel, partition is riveted to WR profile / EDF profile; the partition is provided for the attachment position 0*	4	0	1	ZX861	2CPX011002R9999
5		1	1	ZX862	2CPX011003R9999	
6		2	1	ZX863	2CPX011004R9999	
7		3	1	ZX864	2CPX011005R9999	
8		4	1	ZX865	2CPX011006R9999	
9		5	1	ZX866	2CPX011007R9999	
12		8	1	ZX867	2CPX011008R9999	
<b>For TwinLine-G-, TwinLine-L,- and TwinLine-W cabinets</b>						
<b>Horizontal partitions, sheet steel</b>		1	250	1	ZX840	2CPX010699R9999
Not fault arc-proof, separation from the adjacent module, distribution panel, meter panel, partition is screwed to WR profile / EDF profile via additional mounting rail; the partition is provided for the attachment position 0*		2	500	1	ZX841	2CPX010700R9999
	3	750	1	ZX842	2CPX010701R9999	
<b>For TwinLine-X cabinets</b>						
<b>Horizontal partitions, sheet steel</b>	1	250	1	ZX843	2CPX011009R9999	
Not fault arc-proof, separation from the adjacent module, distribution panel, meter panel, partition is screwed to WR profile / EDF profile via additional mounting rail; the partition is provided for the attachment position 0*	2	500	1	ZX844	2CPX011010R9999	
	3	750	1	ZX845	2CPX011011R9999	



ZX840

## Interior expansion system CombiLine N

Partitions made of sheet steel for EDF mounting frame



ZX469

Article	Height		Unit	Type	Order code
	RE	BH			
<b>For U-, A- and B cabinets</b>					
<b>Vertical partitions, sheet steel</b>	3	00	1	ZX469	2CPX039541R9999
Not fault arc-proof, separation from adjacent module	4	0	1	ZX470	2CPX039542R9999
Distribution panel, meter panel	5	1	1	ZX471	2CPX039543R9999
Partition wall is riveted to EDF mounting frame	6	2	1	ZX472	2CPX039544R9999
	7	3	1	ZX473	2CPX039545R9999
	8	4	1	ZX474	2CPX039546R9999
	9	5	1	ZX475	2CPX039547R9999
<b>For TwinLine H cabinets</b>					
<b>Vertical partitions, sheet steel</b>	3	00	1	ZX479	2CPX039549R9999
Not fault arc-proof, separation from adjacent module	4	0	1	ZX480	2CPX039550R9999
Distribution panel to distribution panel	5	1	1	ZX481	2CPX039551R9999
Partition wall is riveted to EDF mounting frame	6	2	1	ZX482	2CPX039552R9999
	7	3	1	ZX483	2CPX039553R9999
	8	4	1	ZX484	2CPX039554R9999
	9	5	1	ZX485	2CPX039555R9999



ZX502

Article	Width		Unit	Type	Order code
	FB	mm			
<b>For U-, A- and B cabinets</b>					
<b>Horizontal partitions, sheet steel</b>	1	250	1	ZX502	2CPX039567R9999
Not fault arc-proof, pushed between the cover brackets when used with EDF mounting frame	2	500	1	ZX503	2CPX039568R9999
<b>For TwinLine H cabinets</b>					
<b>Horizontal partitions, sheet steel</b>	1	250	1	ZX497	2CPX039563R9999
Not fault arc-proof, pushed between the cover brackets when used with EDF mounting frame	2	500	1	ZX498	2CPX039564R9999

## Interior expansion system CombiLine N

Partitions made of sheet steel for WR mounting frame



RZ151

Article	Height		Depth		Unit	Type	Order code
	RE	BH	mm	mm			
<b>For TriLine® cabinets</b>							
<b>Vertical partitions, sheet steel</b>	12	8	425	1	RZ151	2CPX046561R9999	
Not fault arc-proof, WR mounting frame to	14	10	425	1	RZ155	2CPX046565R9999	
WR mounting frame	12	8	625	1	RZ152	2CPX046562R9999	
Partition wall is riveted to WR mounting frame	14	10	625	1	RZ156	2CPX046566R9999	



RZ161

Article	Width		Depth		Unit	Type	Order code
	FB	mm	mm	mm			
<b>For TriLine® cabinets</b>							
<b>Horizontal partitions, sheet steel</b>	1	250	425	1	RZ161	2CPX046571R9999	
Not fault arc-proof, with additional mounting profile for assembly on	2	500	425	1	RZ162	2CPX046572R9999	
the WR mounting frame	3	750	425	1	RZ163	2CPX046573R9999	
	1	250	625	1	RZ164	2CPX046574R9999	
	2	500	625	1	RZ165	2CPX046575R9999	
	3	750	625	1	RZ166	2CPX046576R9999	

## Interior expansion system CombiLine N

### General accessories



ZX66P4



ED44P10



ED45P10



ED59P10



ED57P10



ED42P10



ED43P10



ED47



ZA1P5

Article	Unit	Type	Order code
<b>Device carrier connector</b> For connecting EDF and WR mounting frames	4	ZX66P4	2CPX062562R9999
	50	ZX66P50	2CPX068614R9999
<b>Wire holder</b> For wire guidance, installation depth 28.5 mm, to be inserted into the DIN rail from the rear	10	ED44P10	2CPX062335R9999
	50	ED44P50	2CPX062308R9999
	1000	ED44P1000	2CPX062703R9999
<b>Wire holder</b> For the wire guidance or receiving a plastic tube of $\varnothing$ 38 mm, installation depth 55 mm, to be inserted in the DIN rail from the rear	10	ED45P10	2CPX062336R9999
	50	ED45P50	2CPX062310R9999
	1000	ED45P1000	2CPX062704R9999
<b>DIN rails adapter</b> For ED44 and ED45, to be snapped onto the DIN rail from the front	10	ED59P10	2CPX062339R9999
<b>Adapter</b> To assemble the wire holders ED44 and ED45 on the perforated mounting plate	10	ED57P10	2CPX061179R9999
<b>Console for the ED44 and ED45 wire holders</b> To be inserted in the DIN rail from the rear	10	ED42P10	2CPX062333R9999
<b>Console for the ED44 and ED45 wire holders</b> To be snapped onto the DIN rail from the front	10	ED43P10	2CPX062334R9999
<b>Cover</b> As a view shutter for wire guidance in the wire holder ED44 and ED45, 1 m long	1	ED47	2CPX039309R9999
<b>Blanking plates</b> For 12 space units, breakable Color RAL 7035	5	ZA1P5	2CPX062384R9999
	50	ZA1P50	2CPX062378R9999
Running meter Color RAL 7035	1	ZA2	2CPX038231R9999
	20	ZA2P20	2CPX062379R9999

## Interior expansion system CombiLine N

### General accessories



ZA8



ZA71



ZA27



ZA73



ZA74



ZA78





ZA79

Article	Unit	Type	Order code
<b>Marking stripes</b>			
20 mm, self-adhesive, 1-field width	1	ZA8	2CPX060200R9999
	5	ZA8P5	2CPX062598R9999
	40	ZA8P40	2CPX062731R9999
20 mm, self-adhesive, 2-field width	1	ZA9	2CPX060201R9999
	5	ZA9P5	2CPX062599R9999
	50	ZA9P50	2CPX062732R9999
20 mm, self-adhesive, 3-field width	1	ZA7	2CPX060004R9999
	5	ZA7P5	2CPX062597R9999
20 mm, self-adhesive, per running meter	1	ZA10	2CPX038241R9999
	10	ZA10P10	2CPX062706R9999
20 mm, self-adhesive, with additional transparent film, per running meter	1	ZA11	2CPX038230R9999
	10	ZA11P10	2CPX062707R9999
16 mm, self-adhesive, per running meter	1	ZA12	2CPX038242R9999
	10	ZA12P10	2CPX062708R9999
<b>Labeling system for busbars</b> L1, L2, L3, N, PE, 1 sheet = 120 different stickers	1	ZA71	2CPX038458R9999
<b>Labeling system</b> Self-adhesive, for manual or automatic labeling, comprising: 1 sheet with 10 strips	1	ZA27	2CPX038495R9999
<b>Labeling system</b> For distribution panel, up to 6 RE	1	ZA73	2CPX038497R9999
<b>Labeling system</b> For distribution panel, up to 9 RE	1	ZA74	2CPX038498R9999
<b>Labeling system</b> For 8 x 12 PLE	1	ZA78	2CPX031569R9999
<b>Legend for 72 devices PLE</b>	1	ZA79	2CPX031570R9999



## Interior expansion system CombiLine N

### Connecting terminals for copper rails

		Copper rails Dimensions in mm	Connection cross- section in mm <sup>2</sup>	Unit	Type	Order code
Article						
		5	1.5 - 16	1	ZK79	2CPX064879R9999
				4	ZK79P4	2CPX062421R9999
		5	4 - 35	5	ZK79P5	2CPX062631R9999
				50	ZK79P50	2CPX062429R9999
		5	4 - 35	1	ZK81	2CPX064881R9999
				4	ZK81P4	2CPX062422R9999
		5	4 - 35	5	ZK81P5	2CPX062632R9999
				50	ZK81P50	2CPX062431R9999
		5	2.5 - 50	1	ZK150	2CPX064860R9999
				4	ZK150P4	2CPX062427R9999
		5	2.5 - 50	5	ZK150P5	2CPX062633R9999
				50	ZK150P50	2CPX062432R9999
		5	16 - 70	1	ZK178	2CPX064978R9999
				50	ZK178P50	2CPX062622R9999
		5	16 - 120	1	ZK157	2CPX064867R9999
				50	ZK157P50	2CPX062437R9999
		10	1.5 - 16	1	ZK87	2CPX064887R9999
				4	ZK87P4	2CPX062424R9999
		10	1.5 - 16	50	ZK87P50	2CPX062430R9999
				10	16 - 70	1
		10	16 - 70	50	ZK156P50	2CPX062438R9999
				10	16 - 120	1
		10	16 - 120	50	ZK154P50	2CPX062435R9999
				<b>Connecting terminals with insertion part</b>		12 x 5
		12 x 10	16 - 70	4	ZK83P4	2CPX062423R9999
				5	ZK83P5	2CPX062655R9999
		30 x 5	50 - 120	50	ZK83P50	2CPX062433R9999
				30 x 10	50 - 120	20
<b>Frame terminals</b>		12 x 5	16 - 150	4	ZK891P4	2CPX062626R9999
		12 x 10	16 - 150			
		12 x 5	35 - 185	1	ZK86	2CPX064886R9999
		12 x 10	35 - 120	20	ZK86P20	2CPX062434R9999
		<b>Attachment clamp</b>		5/10	10 - 95	1
		5/10	10 - 95	20	ZK302P20	2CPX062648R9999
				5/10	16 - 150	1
		5/10	16 - 150	20	ZK303P20	2CPX062649R9999
				5/10	35 - 240	1
		5/10	35 - 240	20	ZK304P20	2CPX062650R9999
				<b>Busbar connection terminal</b>		25
						
ZK75						

## Interior expansion system parts

### DIN rails and DIN rail accessories



ED1



ED51



ED74



ZX21



ZX371



ZK90P2



ZX372P2



ZK103P2

Article	Use for...	Unit	Type	Order code
<b>DIN rail 35 x 15 mm</b>				
<b>Wide rail 1: for assembly on the mounting frame</b>				
For EDF and WR mounting frame, with hole pattern for wire holders ED44/ED45				
1-field width, length 244 mm	M(B)K...12/M(B)G1...	1	ED1	2CPX039381R9999
	M(B)G41.../ M(B)A160ALA	30	ED1P30	2CPX062319R9999
2-field width, length 494 mm	M(B)U270	1	ED2	2CPX039382R9999
	M(B)G2.../M(B)G42...	30	ED2P30	2CPX062320R9999
3-field width, length 744 mm	M(B)U370	1	ED3	2CPX039383R9999
	M(B)G3.../M(B)G43...	30	ED3P30	2CPX062321R9999
4-field width, length 994 mm	-	1	ED4	2CPX039384R9999
		30	ED4P30	2CPX062735R9999
<b>By meter</b>	-	1	ED6	2CPX039386R9999
Length 2000 mm		10	ED6P10	2CPX062705R9999
<b>DIN rail 35 x 15 mm</b>				
<b>Wide rail 2: for assembly between the mounting frame</b>				
1-field width, length 188 mm	M(B)V1.../ M(B)K1...	1	ED51	2CPX039251R9999
	M(B)N1...	30	ED51P30	2CPX062322R9999
2-field width, length 438 mm	M(B)V2.../ M(B)K2...	1	ED52	2CPX039252R9999
	M(B)K...13/M(B)C2...HS	30	ED52P30	2CPX062323R9999
	M(B)N2...			
3-field width, length 688 mm	M(B)K3...	1	ED53	2CPX039253R9999
	M(B)C3...HS/M(B)N3...	30	ED53P30	2CPX062324R9999
4-field width, length 938 mm	-	1	ED54	2CPX039254R9999
<b>DIN rail 35 x 15 mm</b>				
For terminal block modules, vertical, length 591 mm, module height 600 mm/4RE				
	M(B)K...14	1	ED74	2CPX042185R9999
<b>DIN rail 35 x 7.5 mm</b>				
For assembly on the mounting frame				
1-field width, length 244 mm	M(B)K1...K	1	ZX21	2CPX039021R9999
		30	ZX21P30	2CPX062554R9999
2-field width, length 494 mm	M(B)K2...K	1	ZX22	2CPX039022R9999
		30	ZX22P30	2CPX062555R9999
<b>DIN rail 35 x 7.5 mm</b>				
For assembly between the mounting frame				
1-field width, length 188 mm	M(B)K1...K	1	ZX371	2CPX068076R9999
2-field width, length 438 mm	-	1	ZX389	2CPX068190R9999
<b>Insulator piece</b>				
For DIN rails				
35 x 7.5 and 35 x 15 mm				
including attachment material				
	M(B)K...K	2	ZK90P2	2CPX062426R9999
		100	ZK90P100	2CPX068613R9999
<b>Mounting bracket</b>				
For ZK90P2				
	M(B)K1...K	2	ZX372P2	2CPX062544R9999
<b>Isolator Piece</b>				
For DIN rails				
35x7,5 and 35x15 mm				
	M(B)K...K	2	ZK103P2	2CPX068626R9999
		100	ZK103P100	2CPX068627R9999

## Interior expansion system parts

### Wide rails for EDF or WR mounting frame



ZW223



ZW228



ZW233



ZW248

Article	Unit	Type	Order code
<b>Aluminum profile rail profile no. 1</b> 25 x 14 mm, mounting hole $\varnothing$ 6.2 mm			
<b>Wide rail 1: for assembly on the mounting frame</b>			
1-field width, length 244 mm	1	ZW11	2CPX039411R9999
2-field width, length 494 mm	1	ZW12	2CPX039412R9999
3-field width, length 744 mm	1	ZW13	2CPX039413R9999
4-field width, length 994 mm	1	ZW14	2CPX039414R9999
<b>Wide rail 2: for assembly between the mounting frame</b>			
1-field width, length 186 mm	1	ZW223	2CPX060323R9999
2-field width, length 436 mm	1	ZW224	2CPX060324R9999
3-field width, length 686 mm	1	ZW225	2CPX060325R9999
<b>Aluminum profile rail profile no. 2</b> 25 x 20 mm, mounting hole $\varnothing$ 6.2 mm			
<b>Wide rail 1: for assembly on the mounting frame</b>			
3-field width, length 744 mm	1	ZW216	2CPX060144R9999
4-field width, length 994 mm	1	ZW217	2CPX060145R9999
<b>Wide rail 2: for assembly between the mounting frame</b>			
1-field width, length 186 mm	1	ZW228	2CPX060328R9999
2-field width, length 436 mm	1	ZW229	2CPX060329R9999
3-field width, length 686 mm	1	ZW230	2CPX060330R9999
4-field width, length 936 mm	1	ZW231	2CPX060331R9999
<b>Aluminum profile rail profile no. 3</b> 32 x 25 mm, mounting hole $\varnothing$ 8.2 mm			
<b>Wide rail 1: for assembly on the mounting frame</b>			
1-field width, length 244 mm	1	ZW16	2CPX039416R9999
2-field width, length 494 mm	1	ZW17	2CPX039417R9999
3-field width, length 744 mm	1	ZW18	2CPX039418R9999
4-field width, length 994 mm	1	ZW19	2CPX039419R9999
<b>Wide rail 2: for assembly between the mounting frame</b>			
1-field width, length 186 mm	1	ZW233	2CPX060333R9999
2-field width, length 436 mm	1	ZW234	2CPX060334R9999
3-field width, length 686 mm	1	ZW235	2CPX060335R9999
4-field width, length 936 mm	1	ZW236	2CPX060336R9999
<b>Cable clamp rail profile no. 10</b> 35 x 19 mm, galvanized sheet steel, mounting hole $\varnothing$ 6.2 mm			
<b>Wide rail 1: for assembly on the mounting frame</b>			
1-field width, length 244 mm	1	ZW219	2CPX060198R9999
2-field width, length 494 mm	1	ZW220	2CPX060146R9999
3-field width, length 744 mm	1	ZW221	2CPX060147R9999
4-field width, length 994 mm	1	ZW222	2CPX060148R9999
<b>Wide rail 2: for assembly between the mounting frame</b>			
1-field width, length 186 mm	1	ZW248	2CPX060199R9999
2-field width, length 436 mm	1	ZW249	2CPX060349R9999
3-field width, length 686 mm	1	ZW250	2CPX060350R9999
4-field width, length 936 mm	1	ZW251	2CPX060351R9999

> Bolt clamps and saddle clamps for profile no. 10 page 229

> Slide nuts and flat nuts 229

Wide rails representation for EDF or WR mounting frame



**Wide rail 1**  
For assembly on the mounting frame



**Wide rail 2**  
For assembly between the mounting frame

## Interior expansion system parts

### Profile rails and mounting bracket



ZW395



ZW396



ZX343



ZX334



ZW480



ZW481



ZW482



ZX321LR



ZW389LR



ZX342



ZW64



ZW485P2



ZW490P2



ZW491P2

Article	Use for...	Unit	Type	Order code
<b>Transverse rail 3-field width*</b> Busbar carrier Fixed position	M(B)T350(B) M(B)T351(B) M(B)H350(B) M(B)H351(B) M(B)R302(B)	1	ZW395	2CPX041136R9999
<b>Transverse rail 3-field width*</b> Busbar carrier position can be moved if necessary	M(B)R303 M(B)S324 M(B)S327	1	ZW396	2CPX041137R9999
<b>Assembly bracket</b> For busbar modules S700 and S750 For EDF or WR mounting frame	M(B)H...50	1	ZX343	2CPX064152R9999
For modules for line connection For lowering DIN rails For EDF or WR mounting frame	M(B)V...80 M(B)V...81	1	ZX334	2CPX064166R9999
<b>Deep angle piece</b> For busbar module equipment 100 mm With 3-stage adjustability For EDF or WR mounting frame	M(B)D...52(B)	1	ZW480	2CPX042239R9999
For busbar module equipment 185 mm With 2-stage adjustability For WR mounting frame	M(B)D...21-300(B)	1	ZW481	2CPX042195R9999
<b>Bracket with NH + EFM cover</b> For busbar module equipment 185 mm For WR mounting frame	M(B)D...21-300(B)	2	ZW482	2CPX042196R9999
45° inclined for busbar module For EDF or WR mounting frame	M(B)S...28	1	ZX321LR	2CPX064160R9999
For busbar module 40/60 mm When using ZB5/ZX151 For WR mounting frame	M(B)S...24 M(B)S...27	1	ZW389LR	2CPX062635R9999
For busbar carrier ZX520 For WR mounting frame	-	1	ZX342	2CPX062661R9999
For attaching transverse profiles on the WR frame	WR...8	1	ZW64	2CPX039464R9999
including attachment material	WR...10	40	ZW64P40	2CPX062475R9999
<b>MBB holder set</b> for busbar holders ZX522	M(B)X...	2	ZW485P2	2CPX063200R9999
<b>N holder</b> for N/PE busbar holder ZX563	M(B)X...N	2	ZW490P2	2CPX062798R9999
<b>PE holder</b>	M(B)X...N	2	ZW491P2	2CPX062799R9999

## Interior expansion system parts

T Deep angle piece for EDF or WR mounting frame



ZW39P2



ZW59P2



ZW79P2



ZW259P2



ED33P2



ZW60P2










ZW142P2

Article	Use for...	Unit	Type	Order code
<b>Deep angle piece*, adjustment range 42 mm</b> Distance between deep angle piece and cover of 83 - 125 mm* <sup>2</sup> For EDF or WR profile For variable assembly $\perp$	M(B)K106 to M(B)K310	2	ZW39P2	2CPX062681R9999
	M(B)K112 to M(B)K314	100	ZW39P100	2CPX062715R9999
<b>Deep angle piece*, adjustment range 71 mm</b> Distance between deep angle piece and cover of 106 - 153 mm* <sup>2</sup> For EDF or WR profile For variable assembly $\perp$	M(B)K107 to M(B)K310	2	ZW59P2	2CPX062660R9999
	M(B)M111 to M(B)M315 M(B)F183 to M(B)F383	100	ZW59P100	2CPX062716R9999
<b>Deep angle piece*, adjustment range 107 mm</b> Distance between deep angle piece and cover of 142 - 190 mm* <sup>2</sup> For EDF or WR profile For variable assembly $\perp$	M(B)F184 to M(B)F384	2	ZW79P2	2CPX062688R9999
		100	ZW79P100	2CPX062717R9999
<b>Deep angle piece*, adjustment range 64 mm</b> Distance between deep angle piece and cover of 99 - 147 mm* <sup>2</sup> for interconnecting copper rails For EDF or WR profile For variable assembly $\perp$	M(B)T250 to M(B)T351	2	ZW259P2	2CPX062679R9999
<b>Deep angle piece, adjustment range 62 mm</b> Distance between deep angle piece and cover of 77 - 139 mm* <sup>2</sup> For EDF profile For variable assembly $\perp$	Distributor panels with mounting plate	2	ED33P2	2CPX062305R9999
		100	ED33P100	2CPX062307R9999
<b>Deep angle piece, adjustment range 60 mm</b> Distance between deep angle piece and cover of 119 - 179 mm* <sup>2</sup> For WR profile For assembly in the 15 mm grid $\perp$	Free expansion	2	ZW60P2	2CPX062454R9999
		100	ZW60P100	2CPX062476R9999
<b>Deep angle piece, adjustment range 88 mm</b> Distance between deep angle piece and cover of 128 - 216 mm* <sup>2</sup> For WR profile For variable assembly $\perp$	M(B)L100 to M(B)L300	2	ZW142P2	2CPX062463R9999
	M(B)S131 to M(B)S331	40	ZW142P40	2CPX062477R9999

\*<sup>2</sup> When using cover bracket ED138 with a height of 52.5 mm

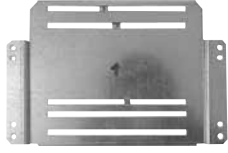
## Interior expansion system parts

Mounting cross-beams busbar modules / universal application

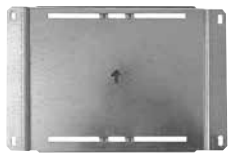
	Article	Use for...	Unit	Type	Order code
	<b>ZW253</b>				
	<b>Mounting cross-bars for busbar modules</b>				
	For busbar modules Equipment 40 mm	M(B)T350/M(B)T351	1	ZW253	2CPX062680R9999
	<b>ZW252</b>				
	For busbar module 40/60 mm For busbar carrier ZX151 for additional support	M(B)S327 M(B)S324/M(B)H350	1	ZW252	2CPX062664R9999
	<b>ZW255</b>				
	For busbar module equipment 60 mm For busbar carrier ZX146 for additional support	M(B)R302(B)	1	ZW255	2CPX064151R9999
	<b>ZW256</b>				
	For busbar module equipment 60 mm For busbar carrier ZX146 for additional support	M(B)R303(B)	1	ZW256	2CPX062678R9999
	<b>ZW399</b>				
	For busbar module equipment 60 mm For busbar carrier ZX146 For EDF or WR mounting frame	M(B)R...H	1	ZW399	2CPX062972R9999
	<b>ZW384</b>				
	For busbar module 40/60 mm For busbar carrier ZX151 For EDF mounting frame	M(B)S...24 M(B)S...27	1	ZW384	2CPX062748R9999
	<b>ZW403LR</b>				
	For busbar module equipment 60 mm For busbar carrier ZX146, deep-installed For WR mounting frame	M(B)R...03	1	ZW403LR	2CPX062974R9999
	<b>Mounting cross-bars for busbar carrier ZX518</b>				
	<b>ZX322</b>				
	45° inclined for busbar module 1-field width	M(B)S128	1	ZX322	2CPX064159R9999
	<b>ZX333</b>				
	45° inclined for busbar module 2-field width	M(B)S228	1	ZX333	2CPX064163R9999
	<b>ZW386</b>				
	For N/PE busbar module Indented for busbar carrier	M(B)N...69	1	ZW386	2CPX062749R9999
	<b>ZW390P2</b>				
	For N/PE busbar module For additional support	M(B)N274, M(B)N275 M(B)N374, M(B)N375	2	ZW390P2	2CPX062486R9999
	<b>Mounting cross-beam for terminal blocks module</b>				
	<b>ZW322</b>				
	195 mm	M(B)K112-114	1	ZW322	2CPX068541R9999
	435 mm	M(B)K212-214	1	ZW323	2CPX068542R9999
	685 mm	M(B)K312-314	1	ZW324	2CPX068543R9999

## Interior expansion system parts

Mounting cross-bars for power switch and load break switch



ED160



ED171



ED166



ED167



ED162



ED163



ED168



ED155



ED173

Article	Use for...	Unit	Type	Order code
<b>Mounting cross-beams for power switches</b> Make: ABB, series: Tmax XT Including M4 sliding nuts				
1-field width, Tmax XT1, XT3 useful width of 199 mm	MA100ALXB - MA250ALXB M(B)A190T	1	ED160	2CPX068773R9999
2-field width, Tmax XT1, XT3 useful width of 449 mm	M(B)A290T	1	ED260	2CPX062977R9999
3-field width, Tmax XT1, XT3 useful width of 699 mm	M(B)A390T	1	ED360	2CPX062978R9999
1-field width, Tmax XT2 useful width of 199 mm	M(B)A191T	1	ED170	2CPX068388R9999
2-field width, Tmax XT2 useful width of 449 mm	M(B)A291T	1	ED270	2CPX068390R9999
3-field width, Tmax XT2 useful width of 699 mm	M(B)A391T	1	ED370	2CPX068391R9999
1-field width, Tmax XT4 useful width of 199 mm	M(B)A193T	1	ED171	2CPX068389R9999
1-field width Tmax T4, 3-pole Tmax T5 (400), 3-pole	M(B)A192T	1	ED166	2CPX064155R9999
2-field width Tmax T4, 4-pole, Tmax T5, 3- and 4-pole	M(B)A292T	1	ED167	2CPX064156R9999
<b>Mounting cross-beam for load break switch</b> 1-field width For OT200E03P and OT250E03P	MA200ALAB - MA250ALAB MA250ALA	1	ED162	2CPX068807R9999
2-field width For OT400E03P and OT630E03P	MA400ALAB - MA630ALAB MA630ALA	1	ED163	2CPX068808R9999
1-field width For OS160GD03PN3P and OS250GD03PN3P	MBA250ALO MBW250A	1	ED168	2CPX039312R9999
<b>Universal mounting cross-beams with fastening screws and cage nuts M4, M5, M6, M8</b> (2 cross-beams are required per switch) Useful width/depth				
For switch 250 A, 1-field width Cage nut each 2 x M4, M5, M6 170 mm / 135 mm	M(B)A250A	1	ED155	2CPX067963R9999
For switch 630 A, 2-field width Cage nut each 2 x M5, M6 420 mm / 153 mm	M(B)A630A MA400ALSB - MA630ALSB	1	ED158	2CPX067969R9999
For switch 800 A, 2-field width Cage nut each 2 x M5, M6, M8 420 mm/161 mm	M(B)A800A	1	ED173	2CPX067998R9999

## Interior expansion system parts

Mounting cross-bars for power switch and fuse switch disconnectors

Article		Use for...	Unit	Type	Order code
 ED450	<b>2-field width</b> For XT5	MX208LX	1	ED450	2CPX063194R9999
 ED451	<b>2-field width</b> For XT6	MX210LX	1	ED451	2CPX063195R9999
 ED452	<b>2-field width</b> For XT7	MX211LX	1	ED452	2CPX063196R9999
 ED453	<b>2-field width</b> For OT630-800	MX208LA	1	ED453	2CPX063197R9999
 ED454	<b>3-field width</b> For OT1000-1250	MX310LA	1	ED454	2CPX063198R9999
 ED455	<b>3-field width</b> For ATS500-800	MX308A	1	ED455	2CPX063199R9999



## Interior expansion system parts

### Mounting cross-beam for disconnecter mounting



ZX31



ZX34



ZW162



ZH235



ZH238



ZW159



ZW160



ZH418



ZX35



ZX297P10

Article	Use for...	Unit	Type	Order code
<b>Mounting cross-beam for disconnecter mounting</b>				
With fastening screws and cage nuts for:				
1/2 disconnecter NH00 1-field width	M(B)T135(B) M(B)T136(B) M(B)T137(B)	1 10	ZX31 ZX31P10	2CPX039031R9999 2CPX062480R9999
4 disconnecter NH00 2-field width	M(B)T236(B) M(B)T237(B)	1 10	ZX34 ZX34P10	2CPX039034R9999 2CPX062481R9999
6 disconnecter NH00 3-field width	M(B)T336(B) M(B)T337(B)	1	ZW162	2CPX039458R9999
1 disconnecter NH1 1-field width	M(B)T142(B) M(B)T143(B)	1	ZH235	2CPX039841R9999
1 disconnecter NH2 1-field width	M(B)T144(B) M(B)T145(B)	1	ZH238	2CPX039837R9999
2 disconnecters NH1 or NH2 2-field width	M(B)T242(B) M(B)T243(B) M(B)T244(B) M(B)T245(B)	1	ZW159	2CPX039455R9999
3 disconnecters NH1 or NH2 3-field width	M(B)T345(B) M(B)T343(B) M(B)T344(B) M(B)T345(B)	1	ZW160	2CPX039456R9999
<b>Mounting cross-beam for disconnecter mounting</b>	-	1	ZH418	2CPX062968R9999
For NH00 disconnecter for setup on a DIN rail				
<b>Mounting cross-beam for installation without holes</b>				
Without fastening screws and cage nuts				
Field width 1	1MK..A	1	ZX35	2CPX060638R9999
Field width 2	2MK..A	1	ZX39	2CPX060213R9999
<b>Cage nuts</b>				
For disconnecter cross-beams and telecom technology				
M4	ED160 - ED360 ED170 - ED370 ED171/ZX35	10	ZX299P10	2CPX060639R9999
M6	ZX31/ZX34/ZW162	10	ZX297P10	2CPX062541R9999
M8	ZH235/ZH238 ZW159/ZW160	10	ZX298P10	2CPX062542R9999

## Interior expansion system parts

Assembly plates for depressed and fitted assembly



ZW365



ZX605



ZX382



ZX381



ZX379



ZX380



ZX390



ZX24

Article	Use for...	Unit	Type	Order code
<b>Mounting plates for assembly between the mounting frame</b>				
For depressed assembly with deep angle piece Deep angle pieces are to be ordered separately H x W				
<b>1-field width</b>				
1 RE, 116 x 188 mm	M(B)M111	1	ZW365	2CPX068073R9999
2 RE, 266 x 188 mm	M(B)M112	1	ZW338	2CPX067938R9999
3 RE, 416 x 188 mm	M(B)M113	1	ZW341	2CPX067941R9999
4 RE, 566 x 188 mm	M(B)M114	1	ZW344	2CPX067944R9999
5 RE, 716 x 188 mm	M(B)M115	1	ZW362	2CPX068070R9999
<b>2-field width</b>				
1 RE, 116 x 438 mm	M(B)M211	1	ZW336	2CPX067936R9999
2 RE, 266 x 438 mm	M(B)M212	1	ZW339	2CPX067939R9999
3 RE, 416 x 438 mm	M(B)M213	1	ZW342	2CPX067942R9999
4 RE, 566 x 438 mm	M(B)M214	1	ZW345	2CPX067945R9999
5 RE, 716 x 438 mm	M(B)M215	1	ZW363	2CPX068071R9999
<b>3-field width</b>				
1 RE, 116 x 688 mm	M(B)M311	1	ZW337	2CPX067937R9999
2 RE, 266 x 688 mm	M(B)M312	1	ZW340	2CPX067940R9999
3 RE, 416 x 688 mm	M(B)M313	1	ZW343	2CPX067943R9999
4 RE, 566 x 688 mm	M(B)M314	1	ZW346	2CPX067946R9999
5 RE, 716 x 688 mm	M(B)M315	1	ZW364	2CPX068072R9999
<b>Mounting plates for assembly on the mounting frame</b>				
For fitted assembly in the small distributor without deep angle piece				
1-field width	M(B)M112K	1	ZX605	2CPX067776R9999
2 RE, 266 x 200 mm				
1-field width	M(B)M113K	1	ZX606	2CPX067777R9999
3 RE, 416 x 200 mm				
1-field width	M(B)M114K	1	ZX607	2CPX064154R9999
4 RE, 566 x 200 mm				
Article	Use for...	Unit	Type	Order code
<b>Mounting frame for measuring devices 96 x 96 mm</b>				
1-field width	M(B)U156	1	ZX382	2CPX068186R9999
	M(B)U157	1	ZX381	2CPX068086R9999
	M(B)U158			
2-field width	M(B)U257	1	ZX379	2CPX068084R9999
3-field width	M(B)U357	1	ZX380	2CPX068085R9999
<b>Mounting frame for NH load break switches</b>				
Make ABB SlimLine				
2-field width	M(B)L25	1	ZX390	2CPX068560R9999
3-field width	M(B)L35	1	ZX391	2CPX068561R9999
<b>Line protective hose</b>				
Installation kit M 20	M(B)V180	1	ZX24	2CPX068538R9999
Installation kit M 32	M(B)V181, M(B)V281	1	ZX25	2CPX068539R9999
Installation kit M 40	M(B)V182, M(B)V282	1	ZX26	2CPX068540R9999

## Interior expansion system parts

Mounting frame/meter support plates/switch cabinet lighting



ZX304



ZX305



ZX574



ZX378P20

Article	Use for...	Unit	Type	Order code
<b>Meter support plates for WR profile</b>				
1-field width, height 450 mm, For a meter, without head part	M(B)Z160	1	ZX304	2CPX060294R9999
1-field width, height 750 mm, For two meters, without head part	M(B)Z161	1	ZX305	2CPX060295R9999
<b>Head part for meter support plates</b> Including mounting material 1-field width	M(B)Z160 M(B)Z161	1	ZX574	2CPX068781R9999
<b>Spacer piece for meter support plates</b>	M(B)Z160 M(B)Z161	20	ZX378P20	2CPX062547R9999

Article support for....	Use for...	Unit	Type	Order code
1 field width, for meter (without headpiece) meteringplate 300 mm	M(B)Z170	1	ZX314	2CPX070763R9999
1 field width, for meter (without headpiece) meteringplate 450 mm	M(B)Z171	1	ZX315	2CPX070764R9999
1 field width, for meter (without headpiece) meteringplate 750 mm	M(B)Z172	1	ZX316	2CPX070765R9999
1 field width, for meter (without headpiece) meteringplate 450 mm	M(B)Z173	1	ZX317	2CPX070766R9999
1 field width, for meter (without headpiece) meteringplate 450 mm	M(B)Z174	1	ZX318	2CPX070767R9999
headpiece for EDF		1	ZX310	2CPX070768R9999
headpiece for WR	M(B)Z170-174	1	ZX311	2CPX070769R9999

## Interior expansion system parts

### Yard goods busbars


  
**ZX400**

Article	Unit	Type	Order code
<b>Rated current (<math>I_n</math>) 250 A</b>			
Copper rail 12 x 5 mm			
1 m	1	ZX400	2CPX061400R9999
2 m	1	ZX401	2CPX061401R9999
3 m	1	ZX402	2CPX061402R9999
4 m	1	ZX350	2CPX061350R9999


  
**ZX406**

<b>Rated current (<math>I_n</math>) 320 A</b>			
Copper rail 20 x 5 mm			
1 m	1	ZX406	2CPX061406R9999
2 m	1	ZX407	2CPX061407R9999
3 m	1	ZX408	2CPX061408R9999
4 m	1	ZX351	2CPX061351R9999


  
**ZX403**

<b>Rated current (<math>I_n</math>) 360 A</b>			
Copper rail 12 x 10 mm			
1 m	1	ZX403	2CPX061403R9999
2 m	1	ZX404	2CPX061404R9999
3 m	1	ZX405	2CPX061405R9999
4 m	1	ZX354	2CPX061354R9999


  
**ZX365**

<b>Rated current (<math>I_n</math>) 390 A</b>			
Copper rails 25 x 5 mm			
1 m	1	ZX365	2CPX061365R9999
2 m	1	ZX366	2CPX061366R9999
3 m	1	ZX367	2CPX061367R9999
4 m	1	ZX352	2CPX061352R9999


  
**ZX409**

<b>Rated current (<math>I_n</math>) 440 A</b>			
Copper rails 30 x 5 mm			
1 m	1	ZX409	2CPX061409R9999
2 m	1	ZX410	2CPX061410R9999
3 m	1	ZX411	2CPX061411R9999
4 m	1	ZX353	2CPX061353R9999


  
**ZX362**

<b>Rated current (<math>I_n</math>) 500 A</b>			
Copper rails 20 x 10 mm			
1 m	1	ZX362	2CPX061362R9999
2 m	1	ZX363	2CPX061363R9999
3 m	1	ZX364	2CPX061364R9999
4 m	1	ZX355	2CPX061355R9999


  
**ZX412**

<b>Rated current (<math>I_n</math>) 630 A</b>			
Copper rails 30 x 10 mm			
1 m	1	ZX412	2CPX061412R9999
2 m	1	ZX413	2CPX061413R9999
3 m	1	ZX414	2CPX061414R9999
4 m	1	ZX356	2CPX061356R9999


  
**ZX415**

<b>Rated current (<math>I_n</math>) 850 A</b>			
Copper rails 40 x 10 mm			
1 m	1	ZX415	2CPX061415R9999
2 m	1	ZX416	2CPX061416R9999
3 m	1	ZX417	2CPX061417R9999
4 m	1	ZX357	2CPX061357R9999

## Interior expansion system parts

### Busbar brackets and accessories



ZB5



ZX147



ZX146



ZX172



ZX157



ZX151



ZX158



ZX520



ZX523



ZX563

Article	Use for...	Unit	Type	Order code
<b>Busbar bracket 5-pole</b> Busbar center distance 40 mm For copper rails 12 x 5 mm, 12 x 10 mm and 20 x 5 mm	M(B)H...50	1	ZB5	2CPX038459R9999
	M(B)S...24	10	ZB5P10	2CPX062556R9999
<b>Busbar bracket 1-pole</b> Busbar center distance 60 mm For copper rails 12 x 5 mm to 30 x 10 mm For adding in a row on ZX146	-	1	ZX147	2CPX044011R9999
		10	ZX147P10	2CPX062719R9999
<b>Busbar bracket 3-pole</b> Busbar center distance 60 mm For copper rails 12 x 5 mm to 30 x 10 mm	M(B)R...02(B)	1	ZX146	2CPX044010R9999
	M(B)R...H	10	ZX146P10	2CPX062718R9999
	M(B)R...03			
<b>End cover</b> For busbar carrier ZX146/ZB5	M(B)H...50	1	ZX172	2CPX060232R9999
	M(B)R...02(B) M(B)S...24	10	ZX172P10	2CPX062724R9999
<b>N/PE busbar carrier</b> For copper rails 12 x 5 mm to 30 x 5 mm And 12 x 10 mm to 20 x 10 mm For adding in a row on ZX151	-	1	ZX157	2CPX044009R9999
		10	ZX157P10	2CPX062722R9999
<b>Busbar bracket 3-pole</b> Busbar center distance 60 mm For copper rails 12 x 5 mm to 30 x 10 mm	M(B)S...27	1	ZX151	2CPX044006R9999
		10	ZX151P10	2CPX062721R9999
<b>End cover</b> For busbar carrier ZX151	2CPX068735R9999	1	ZX158	2CPX060208R9999
		10	ZX158P10	2CPX062723R9999
<b>Busbar bracket 3-pole</b> Busbar center distance 60 mm/100 mm For copper rails 30 x 10 mm to 60 x 10 mm	M(B)L...52(B)	1	ZX520	2CPX067861R9999
	M(B)S...31	10	ZX520P10	2CPX062552R9999
Busbar center distance 100 mm/ 185 mm For copper rails 30 x 10 mm to 100 x 10 mm	M(B)L...00(B)	1	ZX522	2CPX067909R9999
	ML...B	10	ZX522P10	2CPX062553R9999
<b>Busbar bracket 3-/4-pole</b> Busbar center distance 185 mm For copper rails 40 x 10 mm	M(B)L25 M(B)L35	1	ZX523	2CPX068553R9999
<b>N/PE busbar carrier</b> For copper rails 30 x 10 mm up to 50 x 10 mm	-	1	ZX563	2CPX068735R9999
		10	ZX563P10	2CPX068736R9999

## Interior expansion system parts

### Busbar brackets and accessories



ZX518



ZX519



ZX149



ZB19



ZX50



ZX36

Article	Use for...	Unit	Type	Order code
<b>N/PE busbar carrier</b> For copper rails 12 x 5 mm, 20 x 5 mm and 30 x 5 mm	M(B)N...69	1	ZX518	2CPX067805R9999
	M(B)N...74 M(B)N...75 M(B)S...28	10	ZX518P10	2CPX062551R9999
<b>End cover</b> For busbar carrier ZX518	M(B)N...74	1	ZX519	2CPX062687R9999
	M(B)N...75	10	ZX519P10	2CPX062686R9999
<b>N/PE busbar carrier</b> For copper rails 12 x 5 mm to 30 x 10 mm	M(B)N...62	1	ZX149	2CPX044019R9999
	M(B)N...63	10	ZX149P10	2CPX062720R9999
<b>Cover profile for latching</b> For copper rails 12 x 5 mm and 12 x 10 mm Length 1 m	-	1	ZB19	2CPX038187R9999
	-	10	ZB19P10	2CPX062709R9999
<b>Support insulators with wrench flat</b> Diameter x length				
30 x 30 mm, thread on both sides: M6 Wrench size: 30 mm	-	1	ZX50	2CPX039050R9999
	-	20	ZX50P20	2CPX062725R9999
30 x 30 mm, thread on both sides: M8 Wrench size: 30 mm	-	1	ZX51	2CPX039051R9999
	-	20	ZX51P20	2CPX062726R9999
40 x 40 mm, thread on both sides: M10 Wrench size: 40 mm	-	1	ZX52	2CPX039052R9999
	-	20	ZX52P20	2CPX062560R9999
50 x 60 mm, thread on both sides: M12 Wrench size: 50 mm	-	1	ZX53	2CPX039053R9999
	-	20	ZX53P20	2CPX062559R9999
40 x 50 mm, thread on one side: M12 Threaded bolts on one side: M12 x 65 mm	-	1	ZX54	2CPX039054R9999
	-	20	ZX54P20	2CPX062727R9999
<b>Cu spacer</b> Diameter x length				
20 x 11 mm, inside diameter 8.5 mm Cross section: 257 mm <sup>2</sup>	-	1	ZX36	2CPX060210R9999
	-	10	ZX36P10	2CPX062131R9999
20 x 22 mm, inside diameter 8.5 mm Cross section: 257 mm <sup>2</sup>	-	1	ZX37	2CPX060211R9999
	-	10	ZX37P10	2CPX062132R9999
20 x 33 mm, inside diameter 8.5 mm Cross section: 257 mm <sup>2</sup>	-	1	ZX38	2CPX060212R9999
	-	10	ZX38P10	2CPX062133R9999
30 x 11 mm, inside diameter 10.5 mm Cross section: 620 mm <sup>2</sup>	-	1	ZX39	2CPX060213R9999
	-	10	ZX39P10	2CPX062134R9999
30 x 22 mm, inside diameter 10.5 mm Cross section: 620 mm <sup>2</sup>	-	1	ZX40	2CPX060214R9999
	-	10	ZX40P10	2CPX062135R9999
30 x 33 mm, inside diameter 10.5 mm Cross section: 620 mm <sup>2</sup>	-	1	ZX41	2CPX060215R9999
	-	10	ZX41P10	2CPX062136R9999
40 x 11 mm, inside diameter 10.5 mm Cross section: 1170 mm <sup>2</sup>	-	1	ZX42	2CPX060216R9999
	-	10	ZX42P10	2CPX062137R9999
40 x 22 mm, inside diameter 10.5 mm Cross section: 1170 mm <sup>2</sup>	-	1	ZX43	2CPX060217R9999
	-	10	ZX43P10	2CPX062138R9999
40 x 33 mm, inside diameter 10.5 mm Cross section: 1170 mm <sup>2</sup>	-	1	ZX44	2CPX060218R9999
	-	10	ZX44P10	2CPX062139R9999

## Interior expansion system parts

### Attachment material



ZW62



ZX256P10



ZX230P10



ZB70



ZW99

Article	Unit	Type	Order code
<b>Inlay nuts for WR profile</b>	1	ZW62	2CPX039462R9999
M 8	50	ZW62P50	2CPX062479R9999
<b>Inlay nut for profile rails, profile no. 1 and 2</b>			
L x W x D in mm			
20 x 11 x 4, M5	10	ZX256P10	2CPX062515R9999
20 x 14 x 4, M5	10	ZX248P10	2CPX062509R9999
20 x 14 x 4, M6	10	ZX249P10	2CPX062510R9999
20 x 14 x 4, M8	10	ZX250P10	2CPX062511R9999
<b>Slide nut for profile rails, profile no. 1 and 2</b>			
L x W x D in mm			
20 x 20 x 4, M3	10	ZX226P10	2CPX062494R9999
20 x 20 x 4, M4	10	ZX227P10	2CPX062495R9999
20 x 20 x 4, M5	10	ZX228P10	2CPX062496R9999
20 x 20 x 4, M6	10	ZX229P10	2CPX062497R9999
20 x 20 x 4, M8	10	ZX230P10	2CPX062498R9999
<b>Slide nut for profile rails, for profile no. 3</b>			
L x W x D in mm			
25 x 25 x 8, M5	10	ZX235P10	2CPX062639R9999
25 x 25 x 6, M6	10	ZX231P10	2CPX062499R9999
25 x 25 x 8, M8	10	ZX232P10	2CPX062500R9999
25 x 25 x 8, M10	10	ZX233P10	2CPX062501R9999
25 x 25 x 8, M12	10	ZX234P10	2CPX062502R9999
<b>Plastic spacer pieces</b>			
For high or low installation of fastening parts			
Yard goods, length 1 m	1	ZB70	2CPX038570R9999
<b>Vibration damper</b>			
For vibration-free installation of mounting plates and devices			
M6 external thread and M 6 internal thread	1	ZW98	2CPX060124R9999
M10 internal thread	1	ZW99	2CPX060125R9999

## Interior expansion system parts

### Attachment material



ZB21P4



ZB36P20



ZB37P20



ZB22P20



ZB32P4



ZB27P20



ZX273P4



ZX910P10



ZX260P10



ZX263P10



ZX258P10



ZX270P10



ZX283P10

Article	Unit	Type	Order code	
<b>Lens screw with cross-slot</b> Pozidriv PZ2, M5 x 8 mm	4	ZB21P4	2CPX062663R9999	
	20	ZB21P20	2CPX068585R9999	
<b>Lens screw with cross-slot and slot</b> Pozidriv PZ2, M5 x 12 mm	20	ZB36P20	2CPX062390R9999	
<b>Lens screw with hexalobular socket and slit</b> M5 x 12 mm/Torx T25	20	ZB37P20	2CPX060202R9999	
<b>Cylinder head screw with slit</b> M5 x 20 mm	20	ZB22P20	2CPX068586R9999	
<b>Lens-tapping screw with hexalobular socket and slit</b> Torx T25	M4.8 x 9.5 mm	4	ZB32P4	2CPX064149R9999
		20	ZB32P20	2CPX062651R9999
	M4.8 x 11.5 mm	500	ZB32P500	2CPX062652R9999
		20	ZB27P20	2CPX062588R9999
		500	ZB27P500	2CPX062689R9999
M4.8 x 32 mm	4	ZX273P4	2CPX064153R9999	
<b>Flat head screws with hexalobular socket</b>				
M6 x 20 mm/Torx T30	10	ZX910P10	2CPX060203R9999	
M6 x 30 mm/Torx T30	10	ZX912P10	2CPX060204R9999	
M6 x 45 mm/Torx T30	10	ZX915P10	2CPX060205R9999	
<b>Cylinder head screw with hexalobular socket</b>				
M5 x 10 mm	10	ZX260P10	2CPX062517R9999	
M6 x 20 mm	10	ZX261P10	2CPX062518R9999	
M6 x 30 mm	20	ZX257P20	2CPX068588R9999	
M6 x 45 mm	20	ZX259P20	2CPX068589R9999	
<b>Cylinder head screw with hexalobular socket</b>				
M8 x 16 mm	10	ZX263P10	2CPX062520R9999	
M8 x 20 mm	10	ZX264P10	2CPX062521R9999	
M8 x 30 mm	10	ZX265P10	2CPX062522R9999	
<b>Cylinder head screw with hexalobular socket and captive spring washer</b> M6 x 12 mm	10	ZX258P10	2CPX062516R9999	
<b>Cylinder head screw with hexalobular socket, thread-forming</b> For hole diameter 5.5 mm M6 x 20	10	ZX270P10	2CPX062527R9999	
<b>Washer</b> 6 mm	10	ZX283P10	2CPX060281R9999	



## Interior expansion system parts

Covers for rail-mounted devices, row spacing 125 mm



AS11



AS12



AS13



AS14



AS15



AS21



AS22



AS23

Article	Unit	Type	Order code
<b>Cover 1-field width, with 90° press-and-turn lock</b>			
Height x width			
150 x 250 mm without slit	1	AG11	2CPX062801R9999
150 x 250 mm with slit	1	AS11	2CPX062802R9999
<hr/>			
300 x 250 mm without slit	1	AG12	2CPX062803R9999
300 x 250 mm with slit	1	AS12	2CPX062804R9999
<hr/>			
450 x 250 mm without slit	1	AG13	2CPX062805R9999
450 x 250 mm with slit	1	AS13	2CPX062806R9999
<hr/>			
600 x 250 mm without slit	1	AG14	2CPX062807R9999
600 x 250 mm with slit	1	AS14	2CPX062808R9999
<hr/>			
750 x 250 mm without slit	1	AG15	2CPX062809R9999
750 x 250 mm with slit	1	AS15	2CPX062810R9999
<hr/>			
<b>Cover 2-field width, with 90° press-and-turn lock</b>			
Height x width			
150 x 500 mm without slit	1	AG21	2CPX062811R9999
150 x 500 mm with slit	1	AS21	2CPX062812R9999
<hr/>			
300 x 500 mm without slit	1	AG22	2CPX062813R9999
300 x 500 mm with slit	1	AS22	2CPX062814R9999
<hr/>			
450 x 500 mm without slit	1	AG23	2CPX062815R9999
450 x 500 mm with slit	1	AS23	2CPX062816R9999

## Interior expansion system parts

Covers for rail-mounted devices, row spacing 125 mm



AS24



AS25



AS31



AS32



AS33



AS34



AS35

Article	Unit	Type	Order code
<b>Cover 2-field width, with 90° press-and-turn lock</b>			
Height x width			
600 x 500 mm without slit	1	AG24	2CPX062817R9999
600 x 500 mm with slit	1	AS24	2CPX062818R9999
<hr/>			
750 x 500 mm without slit	1	AG25	2CPX062819R9999
750 x 500 mm with slit	1	AS25	2CPX062820R9999
<hr/>			
<b>Cover 3-field width, with 90° press-and-turn lock</b>			
Height x width			
150 x 750 mm without slit	1	AG31	2CPX062821R9999
150 x 750 mm with slit	1	AS31	2CPX062822R9999
<hr/>			
300 x 750 mm without slit	1	AG32	2CPX062823R9999
300 x 750 mm with slit	1	AS32	2CPX062824R9999
<hr/>			
450 x 750 mm without slit	1	AG33	2CPX062825R9999
450 x 750 mm with slit	1	AS33	2CPX062826R9999
<hr/>			
600 x 750 mm without slit	1	AG34	2CPX062827R9999
600 x 750 mm with slit	1	AS34	2CPX062828R9999
<hr/>			
750 x 750 mm without slit	1	AG35	2CPX062829R9999
750 x 750 mm with slit	1	AS35	2CPX062830R9999

## Interior expansion system parts

Covers for rail-mounted devices, row spacing 150 mm



AH1



AS11



AS212



AS213



AS214



AS215



AH2



AS21



AS222



AS223

Article	Unit	Type	Order code
<b>Cover 1-field width, with 90° press-and-turn lock</b>			
Height x width			
75 x 250 mm without slit	1	AH1	2CPX070387R9999
150 x 250 mm without slit	1	AG11	2CPX062801R9999
150 x 250 mm with slit	1	AS11	2CPX062802R9999
300 x 250 mm without slit	1	AG212	2CPX062831R9999
300 x 250 mm with slit	1	AS212	2CPX062832R9999
450 x 250 mm without slit	1	AG213	2CPX062833R9999
450 x 250 mm with slit	1	AS213	2CPX062834R9999
600 x 250 mm without slit	1	AG214	2CPX062835R9999
600 x 250 mm with slit	1	AS214	2CPX062836R9999
750 x 250 mm without slit	1	AG215	2CPX062837R9999
750 x 250 mm with slit	1	AS215	2CPX062838R9999
<b>Cover 2-field width, with 90° press-and-turn lock</b>			
Height x width			
75 x 500 mm without slit	1	AH2	2CPX070388R9999
150 x 500 mm without slit	1	AG21	2CPX062811R9999
150 x 500 mm with slit	1	AS21	2CPX062812R9999
300 x 500 mm without slit	1	AG222	2CPX062839R9999
300 x 500 mm with slit	1	AS222	2CPX062840R9999
450 x 500 mm without slit	1	AG223	2CPX062841R9999
450 x 500 mm with slit	1	AS223	2CPX062842R9999

## Interior expansion system parts

Covers for rail-mounted devices, row spacing 150 mm



AS224



AS225



AS31



AS232



AS233



AS234



AS235

Article	Unit	Type	Order code
<b>Cover 2-field width, with 90° press-and-turn lock</b>			
Height x width			
600 x 500 mm without slit	1	AG224	2CPX062843R9999
600 x 500 mm with slit	1	AS224	2CPX062844R9999
<b>Cover 3-field width, with 90° press-and-turn lock</b>			
Height x width			
750 x 500 mm without slit	1	AG225	2CPX062845R9999
750 x 500 mm with slit	1	AS225	2CPX062846R9999
<b>Cover 3-field width, with 90° press-and-turn lock</b>			
Height x width			
150 x 750 mm without slit	1	AG31	2CPX062821R9999
150 x 750 mm with slit	1	AS31	2CPX062822R9999
<b>Cover 3-field width, with 90° press-and-turn lock</b>			
Height x width			
300 x 750 mm without slit	1	AG232	2CPX062847R9999
300 x 750 mm with slit	1	AS232	2CPX062848R9999
<b>Cover 3-field width, with 90° press-and-turn lock</b>			
Height x width			
450 x 750 mm without slit	1	AG233	2CPX062849R9999
450 x 750 mm with slit	1	AS233	2CPX062850R9999
<b>Cover 3-field width, with 90° press-and-turn lock</b>			
Height x width			
600 x 750 mm without slit	1	AG234	2CPX062851R9999
600 x 750 mm with slit	1	AS234	2CPX062852R9999
<b>Cover 3-field width, with 90° press-and-turn lock</b>			
Height x width			
750 x 750 mm without slit	1	AG235	2CPX062853R9999
750 x 750 mm with slit	1	AS235	2CPX062854R9999

## Interior expansion system parts

Covers, 1-field width with cutout



AG71



AG65



AG73



AG72



AG173



AG161



AG174



AG200

Article	Use for...	Unit	Type	Order code
<b>Cover , 1-field width, with 90° press-and-turn lock</b>				
Height x width				
300 x 250 mm, with cutout For 1 x NH-fuse switch disconnecter NH00	M(B)T135(B)	1	AG71	2CPX062873R9999
300 x 250 mm, with cutout For 2 x NH-fuse switch disconnecter NH00	M(B)T136(B)	1	AG65	2CPX062870R9999
600 x 250 mm, with cutout For 4 x NH-fuse switch disconnecter NH00	M(B)T137(B)	1	AG73	2CPX062875R9999
450 x 250 mm, with cutout For 1 x NH-fuse switch disconnecter NH1	M(B)T142(B)	1	AG72	2CPX062874R9999
750 x 250 mm, with cutout For 2 x NH-fuse switch disconnecter NH1	M(B)T143(B)	1	AG173	2CPX062899R9999
450 x 250 mm, with cutout For 1 x NH-fuse switch disconnecter NH2	M(B)T144(B)	1	AG161	2CPX062887R9999
750 x 250 mm, with cutout For 2 x NH-fuse switch disconnecter NH2	M(B)T145(B)	1	AG174	2CPX062900R9999
<b>300 x 250 mm, with cutout</b>				
For OT-circuit OT160M3	MA160ALAB	1	AG200	2CPX062931R9999
For OT-circuit OT200E03P, OT250E03P	MA200ALAB MA250ALAB	1	AG201	2CPX062932R9999

## Interior expansion system parts

### Covers, 1-field width with cutout



AG205



AG208



AG206



AG207



AG1304



AG127



AG175



AG160



AG121



AG131

Article	Use for...	Unit	Type	Order code
<b>Cover , 1-field width, with 90° press-and-turn lock</b>				
Height x width				
300 x 250 mm, with cutout For Tmax circuit XT1, XT3	M(B)A190T	1	AG205	2CPX062936R9999
<b>300 x 250 mm, with cutout</b>				
For Tmax circuit XT1	MA100ALXB MA160ALXB	1	AG208	2CPX062993R9999
For Tmax circuit XT3	MA200ALXB MA250ALXB	1	AG209	2CPX062994R9999
300 x 250 mm, with cutout For Tmax circuit XT2	M(B)A191T	1	AG206	2CPX062855R9999
450 x 250 mm, with cutout For Tmax circuit XT4	M(B)A193T	1	AG207	2CPX062856R9999
450 x 250 mm, with cutout For Tmax circuit T4, 3-pole For Tmax circuit T5 (400), 3-pole	M(B)A192T	1	AG1304	2CPX064157R9999
<b>300 x 250 mm, with cutout</b>				
For S700	M(B)H150	1	AG127	2CPX062986R9999
For S750	M(B)H151	1	AG128	2CPX062989R9999
150 x 250 mm, with cutout For protective hose	M(B)V180 M(B)V181 M(B)V182	1	AG175	2CPX062901R9999
300 x 250 mm, with cutout For bus-mounting fuse socket 5 x 3 x D02	M(B)R102(B)	1	AG160	2CPX062886R9999
300 x 250 mm, with cutout For bus-mounting fuse socket Space for horizontal installation devices 134 mm	M(B)R102H	1	AG121	2CPX062969R9999
450 x 250 mm, with cutout For bus-mounting fuse socket Space for horizontal installation devices 295 mm	M(B)R103H	1	AG131	2CPX062970R9999

## Interior expansion system parts

Covers, 1-field width with cutout/with viewing window



AG132



AG164



AG165



AG240



AG243



AG246



AG125

Article	Use for...	Unit	Type	Order code
<b>Cover , 1-field width, with 90° press-and-turn lock</b>				
Height x width				
150 x 250 mm, with cutout For measuring devices, 96 x 96 mm	M(B)U156	1	AG132	2CPX062992R9999
300 x 250 mm, with cutout For measuring devices, 96 x 96 mm	M(B)U157	1	AG164	2CPX062890R9999
450 x 250 mm, with cutout For measuring devices, 96 x 96 mm	M(B)U158	1	AG165	2CPX062891R9999
450 x 250 mm, with cutout For 3 x NH-fuse switch disconnecter NH00 100 mm busbar center distance	MD152B	1	AG240	2CPX042127R9999
750 x 250 mm, with cutout For 4 x NH-fuse switch disconnecter NH00 185 mm busbar center distance	MD100B	1	AG243	2CPX042187R9999
900 x 250 mm, with cutout For 4 x NH-fuse switch disconnecter NH00 + EFM 185 mm busbar center distance	MBD100E	1	AG246	2CPX042190R9999
<b>Covers with viewing window</b>				
<b>1-field width, with 90° press-and-turn lock</b>				
300 x 250 mm, with viewing window	-	1	AG12S	2CPX062228R9999
450 x 250 mm, with viewing window	-	1	AG13S	2CPX062230R9999
600 x 250 mm, with viewing window	-	1	AG14S	2CPX062232R9999

## Interior expansion system parts

### Covers, 2-field width with cutout



AG75



AG79



AG82



AG83



AG92



AG66



AG259



AG1404



AG227

Article	Use for...	Unit	Type	Order code
<b>Covers, 2-field width, with 90° press-and-turn lock</b>				
Height x width				
300 x 500 mm, with cutout For 4 x NH-fuse switch disconnectors NH00	M(B)T236(B)	1	AG75	2CPX062876R9999
600 x 500 mm, with cutout For 8 x NH-fuse switch disconnectors NH00	M(B)T237(B)	1	AG79	2CPX062877R9999
450 x 500 mm, with cutout For 2 x NH-fuse switch disconnectors NH1	M(B)T242(B)	1	AG82	2CPX062878R9999
750 x 500 mm, with cutout For 4 x NH-fuse switch disconnectors NH1	M(B)T243(B)	1	AG83	2CPX062879R9999
450 x 500 mm, with cutout For 2 x NH-fuse switch disconnectors NH2	M(B)T244(B)	1	AG92	2CPX062884R9999
750 x 500 mm, with cutout For 4 x NH-fuse switch disconnectors NH2	M(B)T245(B)	1	AG66	2CPX062871R9999
300 x 500 mm, with cutout For Tmax circuit XT1, XT3	M(B)A290T	1	AG259	2CPX062979R9999
450 x 500 mm, with cutout For Tmax circuit T4/T5, 3 and 4-pole	M(B)A292T	1	AG1404	2CPX064158R9999
For Tmax circuit T5	MA400ALSB MA630ALSB	1	AG198	2CPX062929R9999
300 x 500 mm, with cutout For S700	M(B)H250	1	AG227	2CPX062987R9999
For S750	M(B)H251	1	AG228	2CPX062990R9999



## Interior expansion system parts

### Covers, 2-field width with cutout



AG176



AG172



AG162



AG241



AG244



AG247



AG179









AG22S

Article	Use for...	Unit	Type	Order code
<b>Covers, 2-field width, with 90° press-and-turn lock</b>				
Height x width				
150 x 500 mm, with cutout For protective hose	M(B)V281 M(B)V282	1	AG176	2CPX062902R9999
300 x 500 mm, with cutout For bus-mounting fuse socket 14 x 3 x D02	M(B)R202(B)	1	AG172	2CPX062898R9999
150 x 500 mm, with cutout For measuring devices, 96 x 96 mm	M(B)U257	1	AG162	2CPX062888R9999
450 x 500 mm, with cutout For 6 x NH-fuse switch disconnectors NH00 100 busbar center distance	MD252B	1	AG241	2CPX042128R9999
750 x 500 mm, with cutout For 8 x NH-fuse switch disconnectors NH00	MD200B	1	AG244	2CPX042188R9999
For load break switches with fuse, ABB SlimLine XR Cutout 300 mm width 185 busbar center distance	-	1	AG177	2CPX062903R9999
900 x 500 mm, with cutout For 8 x NH-fuse switch disconnection rails NH00 + EFM 185 mm busbar center distance	MBD200E	1	AG247	2CPX042191R9999
750 x 500 mm, with cutout For 4 x NH-fuse switch disconnection rail NH1-3	MD21B MD22B	1	AG244	2CPX042188R9999
750 x 500 mm, with cutout For load break switches with fuse, ABB SlimLine XR Cutout 400 mm width	-	1	AG179	2CPX062905R9999
<b>Covers with viewing window, 2-field width, with 90° press-and-turn lock</b>				
300 x 500 mm, with viewing window	-	1	AG22S	2CPX062229R9999
450 x 500 mm, with viewing window	-	1	AG23S	2CPX062231R9999
600 x 500 mm, with viewing window	-	1	AG24S	2CPX062233R9999

## Interior expansion system parts

### Covers, 2-field width with cutout

Article	Use for...	Unit	Type	Order code
<b>Covers, 2-field width, with 90° press-and-turn lock</b>				
Height x Width				
	<b>600 x 500, with cutout</b> For XT5	MX208LX	1	AG208X 2CPX062995R9999
AG208X				
	<b>600 x 500, with cutout</b> For XT5 RC bottom	MX208LXB	1	AG208XB 2CPX062996R9999
AG208XB				
	<b>600 x 500, with cutout</b> For XT6	MX210LX	1	AG210X 2CPX062998R9999
AG210X				
	<b>600 x 500, with cutout</b> For XT7	MX212LX	1	AG212X 2CPX062999R9999
AG212X				
	<b>600 x 500, with cutout</b> For OT630-800, lever left	MX208LAL	1	AG208XAL 2CPX063189R9999
AG208XAL				
	<b>600 x 500, with cutout</b> For OT630-800, lever middle	MX208LAM	1	AG208XAM 2CPX063190R9999
AG208XAM				

## Interior expansion system parts

### Covers, 3-field width with cutout



AG84



AG85



AG90



AG91



AG93



AG67



AG359



AG327

Article	Use for...	Unit	Type	Order code
<b>Covers with cutout 3-field width, with 90° press-and-turn lock</b>				
Height x width				
300 x 750 mm, with cutout For 6 x NH-fuse switch disconnectors Gr. 00	M(B)T336(B)	1	AG84	2CPX062880R9999
600 x 750 mm, with cutout For 12 x NH-fuse switch disconnectors Gr. 00	M(B)T337(B)	1	AG85	2CPX062881R9999
450 x 750 mm, with cutout For 3 x NH-fuse switch disconnectors Gr. 1	M(B)T342B	1	AG90	2CPX062882R9999
750 x 750 mm, with cutout For 6 x NH-fuse switch disconnectors Gr. 1	M(B)T343(B)	1	AG91	2CPX062883R9999
450 x 750 mm, with cutout For 3 x NH-fuse switch disconnectors Gr. 2	M(B)T344(B)	1	AG93	2CPX062885R9999
750 x 750 mm, with cutout For 6 x NH-fuse switch disconnectors Gr. 2	M(B)T345(B)	1	AG67	2CPX062872R9999
300 x 750 mm, with cutout For Tmax circuit XT1, XT3	M(B)A390T	1	AG359	2CPX062980R9999
300 x 750 mm, with cutout				
For S700	M(B)H350	1	AG327	2CPX062988R9999
For S750	M(B)H351	1	AG328	2CPX062991R9999

## Interior expansion system parts

### Covers, 3-field width with cutout



AG321



AG163



AG242



AG245



AG180



AG248



AG310XAL



AG310XAM



AG308XU

Article	Use for...	Unit	Type	Order code
<b>Covers with cutout, 3-field width, with 90° press-and-turn lock</b>				
Height x width				
300 x 750 mm, with cutout For bus-mounting fuse socket 24 x 3 x D02	M(B)R302(B)	1	AG321	2CPX062971R9999
150 x 750 mm, with cutout For measuring devices, 96 x 96 mm	M(B)U357	1	AG163	2CPX062889R9999
450 x 750 mm, with cutout For 12 x NH-fuse switch disconnection rails, 100 mm busbar center distance	MD352B	1	AG242	2CPX042129R9999
750 x 750 mm, with cutout For 12 x NH-fuse switch disconnection rails, 185 mm busbar center distance	MD300B	1	AG245	2CPX042189R9999
750 x 750 mm, with cutout For load break switches with fuse, ABB SlimLine XR Cutout 2 x 250 mm width 185 mm busbar center distance	-	1	AG178	2CPX062904R9999
750 x 750 mm, with cutout For load break switches with fuse, ABB SlimLine XR Cutout 600 mm width	-	1	AG180	2CPX062906R9999
900 x 750 mm, with cutout For 12 x NH-fuse switch disconnection rails NH00 + EFM 185 mm busbar center distance	MBD300E	1	AG248	2CPX042192R9999
600 x 750, with cutout For OT1000-1250, lever left	MX310LAL	1	AG310XAL	2CPX063191R9999
600 x 750, with cutout For OT1000-1250, lever middle	MX310LAM	1	AG310XAM	2CPX063192R9999
600 x 750, with cutout For ATS500-800	MX308LU	1	AG308XU	2CPX063193R9999

## Interior expansion system parts

### Cover parts



ED137P4



ED138P4



ED139P4



ED135P4



ED110



ED58P10



ED50P12



ED136P4



ED41P4



ZB35P5

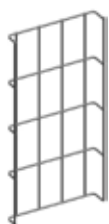
Article	Use for...	Unit	Type	Order code
<b>Cover bracket 45 mm tall</b> For fastening (inserting, turning) on EDF profile rails as well as latching a bulkhead; For DIN rails 35 x 7.5 mm, only use this cover bracket	M(B)R...03	4	ED137P4	2CPX062600R9999
		40	ED137P40	2CPX062601R9999
<b>Cover bracket 52.5 mm tall</b> For fastening (inserting, turning) on EDF and WR profile rails, as well as for latching a partition wall, for DIN rails, 35 x 15 mm, only use this cover bracket	All modules	4	ED138P4	2CPX062630R9999
		12	ED138P12	2CPX062602R9999
		40	ED138P40	2CPX062603R9999
		1600	ED138P1600	2CPX062702R9999
<b>Cover bracket 88 mm tall</b> For fastening (inserting, turning) on EDF and WR profile rails, as well as for latching a partition wall; to be used when installing devices at greater depths or with busbar systems		4	ED139P4	2CPX062604R9999
		40	ED139P40	2CPX062734R9999
<b>Spacer piece</b> To extend the cover holder by 25 mm	M(B)R...03	4	ED135P4	2CPX062610R9999
		40	ED135P40	2CPX062733R9999
<b>Cover bracket</b> 1 set left / right		1	ED110	2CPX039320R9999
<b>DIN rails adapter</b> For cover brackets ED138 and ED139 to be snapped onto the DIN rail from the front		10	ED58P10	2CPX062338R9999
<b>90 degree press-and-turn lock</b>	All covers	12	ED50P12	2CPX062337R9999
<b>Screw insert</b> Fr metric thread, M5, for mounting macrolon, sheet metal or aluminum plates on the EDF cover brackets		4	ED136P4	2CPX062611R9999
<b>90 degree press-and-turn lock</b> For mounting macrolon, sheet metal or aluminum plates on the cover brackets		4	ED41P4	2CPX062332R9999
<b>Sealing nipple</b> for subsequent installation in standard field covers (6 mm hole must be drilled)		5	ZB35P5	2CPX062392R9999

## Interior expansion system parts

### SMISLINE TP system parts accessories



ZW430



ZW436



ZW470



ZW257



ZW359



ZW590



ZW592



ED73



ED52



ZX399

Article	To be used for...	Unit	Type	Order code
<b>Cable laying grids width 100 mm</b>				
Length				
450 mm	M(B)C103VS	1	ZW430	2CPX042170R9999
600 mm	M(B)C104VS	1	ZW431	2CPX042171R9999
750 mm	M(B)C105VS	1	ZW432	2CPX042172R9999
900 mm	-	1	ZW433	2CPX042173R9999
1050 mm	-	1	ZW434	2CPX042174R9999
2000 mm	-	1	ZW435	2CPX042175R9999
<b>Cable laying grids width 200 mm</b>				
Length				
450 mm	M(B)C203VS	1	ZW436	2CPX042176R9999
600 mm	M(B)C204VS	1	ZW437	2CPX042177R9999
750 mm	M(B)C205VS	1	ZW438	2CPX042178R9999
900 mm	-	1	ZW439	2CPX042179R9999
1050 mm	-	1	ZW440	2CPX042180R9999
2000 mm	-	1	ZW441	2CPX042181R9999
3000 mm	-	1	ZW460	2CPX073256R9999
<b>Cable laying grids width 300 mm</b>				
Length				
3000 mm	-	1	ZW470	2CPX073257R9999
<b>Mounting brackets for cable laying grids</b>				
For min. cabinet depths of 275 mm		For SMISLINE TP 125 A		
1 panel wide	M(B)C1...VS	1	ZW257	2CPX042182R9999
2 panel wide	M(B)C2...VS	1	ZW258	2CPX042183R9999
3 panel wide	M(B)C3...VS	1	ZW359	2CPX042912R9999
<b>Mounting brackets for cable laying grids</b>				
For min. cabinet depths of 275 mm		For SMISLINE TP 250 A		
1 panel wide	M(B)C1...VS	1	ZW590	2CPX042922R9999
2 panel wide	M(B)C2...VS	1	ZW591	2CPX042923R9999
3 panel wide	M(B)C3...VS	1	ZW592	2CPX042924R9999
<b>DIN rails vertical</b>				
For a module height of				
450 mm	M(B)C...03VS	1	ED73	2CPX042184R9999
600 mm	M(B)C...04VS	1	ED74	2CPX042185R9999
750 mm	M(B)C...05VS	1	ED75	2CPX042186R9999
<b>DIN rails horizontal mounting</b>				
2 panel wide	M(B)C2...HS	1	ED52	2CPX039252R9999
3 panel wide	M(B)C3...HS	1	ED53	2CPX039253R9999
<b>Fixing brackets for horizontal DIN rails</b>				
1 set left / right	M(B)C...HS	1	ZX399	2CPX062669R9999

## Interior expansion system parts

### SMISLINE TP cover parts accessories



AS22H

Article	To be used for...	Unit	Type	Order code
<b>Plastic cover horizontal</b> with device slot, 2 panel wide				
300 x 500 mm	M(B)C202HS	1	AS22H	2CPX062764R9999
450 x 500 mm	M(B)C203HS	1	AS23H	2CPX062765R9999
600 x 500 mm	M(B)C204HS	1	AS24H	2CPX062766R9999
750 x 500 mm	M(B)C205HS	1	AS25H	2CPX062767R9999



AS32H

Article	To be used for...	Unit	Type	Order code
<b>Plastic cover horizontal</b> with device slot, 3 panel wide				
300 x 750 mm	M(B)C302HS	1	AS32H	2CPX062768R9999
450 x 750 mm	M(B)C303HS	1	AS33H	2CPX062769R9999
600 x 750 mm	M(B)C304HS	1	AS34H	2CPX062770R9999
750 x 750 mm	M(B)C305HS	1	AS35H	2CPX062771R9999

### Plastic cover vertical



AS13V

Article	To be used for...	Unit	Type	Order code
<b>Plastic cover vertical</b> with device slot, 1 panel wide				
450 x 500 mm	M(B)C103VS	1	AS13V	2CPX062772R9999
600 x 500 mm	M(B)C104VS	1	AS14V	2CPX062773R9999
750 x 500 mm	M(B)C105VS	1	AS15V	2CPX062774R9999



AS23V

Article	To be used for...	Unit	Type	Order code
<b>Plastic cover vertical</b> with device slot, 2 panel wide				
450 x 500 mm	M(B)C203VS	1	AS23V	2CPX062775R9999
600 x 500 mm	M(B)C204VS	1	AS24V	2CPX062776R9999
750 x 500 mm	M(B)C205VS	1	AS25V	2CPX062777R9999



AS35V

Article	To be used for...	Unit	Type	Order code
<b>Plastic cover vertical</b> with device slot, 3 panel wide				
750 x 750 mm	M(B)C305VS	1	AS35V	2CPX062796R9999

## Interior expansion system parts

### Extension frame/safety terminal cover



ED212

Article	Use for...	Unit	Type	Order code
<b>Extension frame for covers</b>				
For fields with cover brackets 52.5 mm (ED138, etc.), plastic frame to pre-set the cover by 25 or 35 mm External dimensions in mm				
1-field width				
300 x 250	AG12	1	ED212	2CPX062782R9999
450 x 250	AG13	1	ED213	2CPX062783R9999
600 x 250	AG14	1	ED214	2CPX062784R9999
750 x 250	AG15	1	ED215	2CPX062785R9999
2-field width				
300 x 500	AG22	1	ED222	2CPX062787R9999
450 x 500	AG23	1	ED223	2CPX062788R9999
600 x 500	AG24	1	ED224	2CPX062789R9999
750 x 500	AG25	1	ED225	2CPX062790R9999
3-field width				
300 x 750	AG32	1	ED232	2CPX062792R9999
450 x 750	AG33	1	ED233	2CPX062793R9999
600 x 750	AG34	1	ED234	2CPX062794R9999
750 x 750	AG35	1	ED235	2CPX062795R9999

**The following is also required per frame:**

for 25 mm, increase 1 x ED135P4

for 35 mm, increase 1 x ED139P4



## Interior expansion system parts

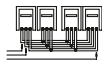
### Busbar systems for NH-fuse switch disconnectors



ZH55



ZH214



ZH211



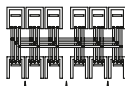
ZH311



ZH216



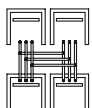
ZH212



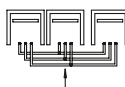
ZH312



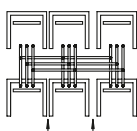
ZH217



ZH218



ZH317



ZH318

Size NH..	Rated current I <sub>n</sub>	Copper rail in mm	Terminal	Load break switch St.	Use for...	Unit	Type	Order code
<b>Busbar systems with access line, line cross-section 35 mm<sup>2</sup>, Line length 500 mm</b>								
NH00	320 A	20 x 5	M8	4	-	1	ZH55	2CPX038559R9999
<b>Busbar systems without access line</b>								
NH00	320 A	20 x 5	M8	2	MT136B	1	ZH214	2CPX060443R9999
NH00	320 A	20 x 5	M8	4	MT236B	1	ZH211	2CPX060440R9999
NH00	320 A	20 x 5	M8	6	MT336B	1	ZH311	2CPX060450R9999
NH00	320 A	20 x 5	M8	4	MT137B	1	ZH216	2CPX060445R9999
NH00	320 A	20 x 5	M8	8	MT237B	1	ZH212	2CPX060441R9999
NH00	320 A	20 x 5	M8	12	MT337B	1	ZH312	2CPX060451R9999
NH1/NH2	440 A	30 x 5	M10	2	MT242B MT244B	1	ZH217	2CPX060446R9999
NH1/NH2	630 A	30 x 10	M10	4	MT243B MT245B	1	ZH218	2CPX060447R9999
NH1/NH2	440 A	30 x 5	M10	3	MT342B MT344B	1	ZH317	2CPX060456R9999
NH1/NH2	630 A	30 x 10	M10	6	MT343B MT345B	1	ZH318	2CPX060457R9999

> **Important note:** If arranged in a single row, use 3 straight or 3 angled cable lugs to connect to the supply line. If arranged in two rows, 3 angled cable lugs to connect to the supply line.

## Interior expansion system parts

Separator shutters and insulating plates for NH fuse switch disconnectors



ZH425



ZH426



ZH427



ZH428



ZH439



ZH440



ZH447



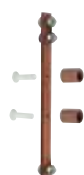
ZH449



ZH442



ZX148



ZH53

Article	Use for...	Unit	Type	Order code
<b>NH00 fuse switch disconnector</b>				
Single shutter	MT135B	1	ZH425	2CPX062952R9999
Double shutter	MT136B MT137B MT236B MT237B	1	ZH426	2CPX062953R9999
Triple shutter	MT336B MT337B	1	ZH427	2CPX062954R9999
Single shutter closed	-	1	ZH428	2CPX062955R9999
Double shutter closed	-	1	ZH429	2CPX062956R9999
Triple shutter closed	-	1	ZH430	2CPX062957R9999
<b>NH1 fuse switch disconnector</b>				
Single shutter	MT...42B MT...43B MT...51B	1	ZH438	2CPX062961R9999
Double shutter	-	1	ZH439	2CPX062962R9999
Single shutter closed	-	1	ZH440	2CPX062963R9999
<b>NH2 fuse switch disconnector</b>				
Single shutter For 1-field width modules	MT144B MT145B	1	ZH447	2CPX039842R9999
Single shutter For 3-field width modules	MT344B MT345B	1	ZH448	2CPX062965R9999
Double shutter	MT244B MT245B MT344B MT345B	1	ZH449	2CPX062966R9999
Single shutter closed	-	1	ZH442	2CPX062939R9999
<b>Insulating plates for non-allocated busbar ends for...</b>				
<b>Fuse switch disconnectors</b> including attachment material				
NH00	-	1	ZX148	2CPX044018R9999
NH1	-	1	ZX128	2CPX039128R9999
NH2	-	1	ZX129	2CPX039129R9999
<b>N/PE rails for attaching behind the disconnector cross-beams for</b>				
<b>NH00 fuse switch disconnector</b> Copper 20 x 4 mm, including attachment material	-	1	ZH53	2CPX038557R9999

## Interior expansion system parts

### NH fuse switch disconnecter



ZH411



ZH412



ZH431



ZH441



ZH414



ZH415

Article	Use for...	Unit	Type	Order code
<b>NH fuse switch disconnecter</b>				
<b>For mounting with EDF and WR mounting frame on disconnecter cross-beam</b>				
<b>NH00 fuse switch disconnecter</b> Rated current ( $I_n$ ) max. 160 A, with screw connection M8, without shutter	MT135B MT...36B MT...37B	1	ZH411	2CPX062947R9999
<b>NH00 fuse switch disconnecter</b> Rated current ( $I_n$ ) max. 160 A, with U-clamp terminals up to 50 mm <sup>2</sup> without shutter	-	1	ZH412	2CPX062948R9999
<b>NH1 fuse switch disconnecter</b> Rated current ( $I_n$ ) max. 250 A, with screw connection M10, without shutter	MT...42B MT...43B	1	ZH431	2CPX062958R9999
<b>NH2 fuse switch disconnecter</b> Rated current ( $I_n$ ) max. 400 A, with screw connection M12, without shutter	MT...44B MT...45B	1	ZH441	2CPX062964R9999
<b>NH fuse switch-disconnector for mounting with EDF mounting frame on busbar systems, copper 12 x 5 mm or copper 12 x 10 mm, busbar distance 40 mm</b>				
<b>NH00 fuse switch disconnecter</b> Rated current ( $I_n$ ) max. 160 A, with U-clamp terminals up to 50 mm <sup>2</sup> without shutter	ED...TA	1	ZH414	2CPX062950R9999
<b>NH00 fuse switch disconnecter</b> Rated current ( $I_n$ ) max. 160 A, with triple terminals up to 10 mm <sup>2</sup> without shutter	-	1	ZH415	2CPX062951R9999

## Interior expansion system parts

### NH fuse switch disconnecter



ZE60



ZE61



ZE62



ZA4P10

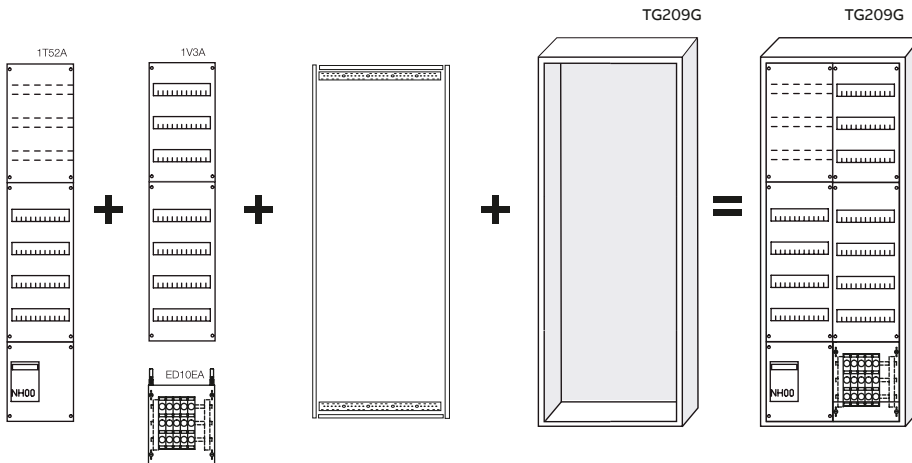
Article	Use for...	Unit	Type	Order code
<b>Neozed bus-mounting fuse socket E18, width 26 mm</b> For gauge ring inserts, 3-pole, with covers and nameplates, with E18 thread, safety fuse max. 63 A		1	ZE60	2CPX061045R9999
		10	ZE60P10	2CPX062400R9999
<b>Diazed bus-mounting fuse socket E27, width 42 mm</b> For gauge ring inserts, 3-pole, with covers and nameplates, with E27 thread, safety fuse max. 25 A		1	ZE61	2CPX061046R9999
<b>Diazed bus-mounting fuse socket E33, width 56 mm</b> For gauge ring inserts, 3-pole, with covers and nameplates, with E33 thread, safety fuse max. 63 A		1	ZE62	2CPX061047R9999
<b>Shutters instead of bus-mounting fuse socket</b> Color similar to RAL 7035, For complying with the contact protection IPXXC		10	ZA4P10	2CPX062374R9999

## Interior expansion system with distribution panels/combination sets

Possible applications for wall-mounted and standalone cabinets

### Wall-mounted cabinets of the series U, A, B and TwinLine-G, TwinLine-L and TwinLine-W

Example: Expansion with distribution panels/combination sets in the TwinLine-G wall-mounted cabinet



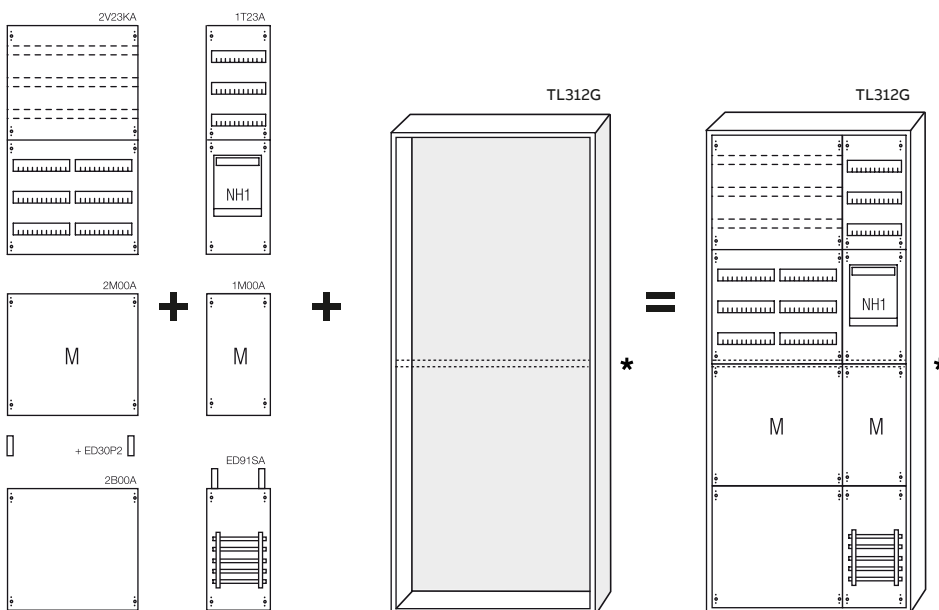
Distribution panel  
+ distribution panel and combination kit  
+ EDF installation kit  
+ empty cabinet  
= **wall-mounted distributor**

Delivery form  
EDF installation kit, distribution panels, combination sets (mounted ex works on EDF profile) and empty cabinet are delivered individually packaged.

### Standalone cabinets of the series TwinLine H and TwinLine-G, TwinLine-L and TwinLine-W

Series switching cabinets of the series TriLine®, Pro E Power system/fire protection housing of the series SF

Example: Expansion with distribution panels/combination sets in the TwinLine- L standalone cabinet



Distribution panels  
+ combination sets  
+ panel connector  
+ empty cabinet  
= **standalone distributor**

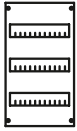
Delivery form  
Distribution panels, combination sets (mounted ex works on EDF profile)  
Panel connector and empty cabinet are each delivered individually packaged.

\* The EDF mounting frame may not exceed a maximum height of 1350 mm (installation height 5) at once. For structural reasons in standalone cabinets (prepared for EDF mounting frame), that is why a central supporting rail is mounted ex works, which can be moved up and down in the grid 150 mm.

+ panel connector ED30P2

## Internal expansion system with distribution panels

### Population of the distribution panels



#### Distribution panels with DIN rails for rail-mounted devices

Equipment: DIN rail 35 x 15 mm for device installation and with hole pattern for the wiring system, row spacing 125 mm, with plastic covers, cutouts for rail-mounted devices DIN 43880 for 12 PLE (216 mm) per field width

> Wire holder and locking strips see page 260

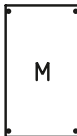


#### Distribution panels with DIN rails for terminal blocks

Equipment: DIN rail 35 x 15 mm for terminal blocks with hole pattern for the wiring system, row spacing 125 mm, with plastic covers; for a protection-insulated design, use insulators ZK90; To mount the DIN rails to the rear, use ED33 deep angle piece and DIN rails for installation between the mounting frame

> Insulators page 260

> Deep angle piece page 260



#### Distribution panels with mounting plates

Equipment: Steel sheet metal mounting plate, Sendzimir galvanized surface, material thickness 2 mm; the mounting plate is mounted on deep angle piece ED33 and can be variably adjusted in depth; maximum installation depth between mounting plate and cover 143 mm, with plastic covers (cover closed)



#### Distribution panels with mounting cross-beams for device installation without holes

Equipment: For every 150 mm, a mounting cross-beam ZX35 is mounted on ED33 deep angle piece and can be variably adjusted in depth; the maximum installation depth between the cross-beam and cover is 143 mm, with plastic covers (cover closed)



#### Distribution panels as touch protection (or to expand with assembly parts)

Equipment: Empty panel without installation parts, with plastic covers (covers closed)



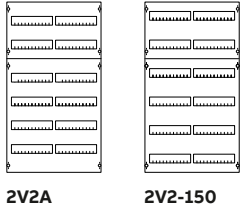
#### Distribution panels with busbars

Equipment: 5-Pole busbar system copper 12 x 5 mm, busbar spacing 40 mm, with plastic covers (covers closed)

> Busbar connection terminals page 260

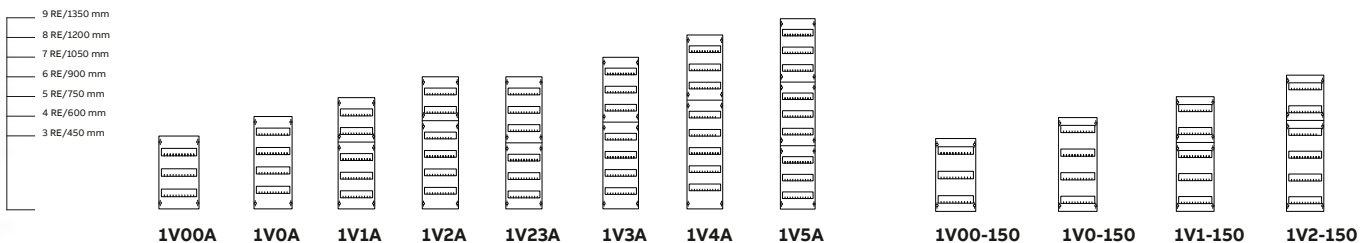
# Internal expansion system - Distribution panels

## Rail-mounted devices



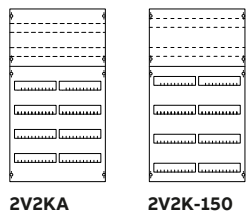
- Expansion with DIN rails 35 x 15 mm
- Distribution panels or field combinations must have the same grid units as the cabinets, in which they are installed
- For standalone and row switching cabinets, two fields or field combinations must be installed one above the other
- Without N/PE quick plug-in terminals
- The EDF profile rails are included in the scope of delivery

Height		Width			Distribution of the covers in mm			From a cabinet		
RE	mm	FB	mm	PLE	top	middle	bottom	depth in mm	Type	Order code
<b>Row spacing 125 mm</b>										
3	450	1	250	36	450	-	-	120	1V00A	2CPX037580R9999
		2	500	72	450	-	-	120	2V00A	2CPX037581R9999
4	600	1	250	48	600	-	-	120	1V0A	2CPX037591R9999
		2	500	96	600	-	-	120	2V0A	2CPX037592R9999
5	750	1	250	60	300	-	450	120	1V1A	2CPX037610R9999
		2	500	120	300	-	450	120	2V1A	2CPX037611R9999
6	900	1	250	72	300	-	600	120	1V2A	2CPX037622R9999
		2	500	144	300	-	600	120	2V2A	2CPX037623R9999
6	900	1	250	72	450	-	450	120	1V23A	2CPX037634R9999
		2	500	144	450	-	450	120	2V23A	2CPX037635R9999
7	1050	1	250	84	450	-	600	120	1V3A	2CPX037639R9999
		2	500	168	450	-	600	120	2V3A	2CPX037640R9999
8	1200	1	250	96	450	-	750	120	1V4A	2CPX037651R9999
		2	500	192	450	-	750	120	2V4A	2CPX037652R9999
9	1350	1	250	108	450	450	450	120	1V5A	2CPX037665R9999
		2	500	216	450	450	450	120	2V5A	2CPX037666R9999
<b>Row spacing 150 mm</b>										
3	450	1	250	36	450	-	-	120	1V00-150	2CPX077800R9999
		2	500	72	450	-	-	120	2V00-150	2CPX077801R9999
4	600	1	250	48	600	-	-	120	1V0-150	2CPX077802R9999
		2	500	96	600	-	-	120	2V0-150	2CPX077803R9999
5	750	1	250	60	300	-	450	120	1V1-150	2CPX077804R9999
		2	500	120	300	-	450	120	2V1-150	2CPX077805R9999
6	900	1	250	72	300	-	600	120	1V2-150	2CPX077808R9999
		2	500	144	300	-	600	120	2V2-150	2CPX077809R9999



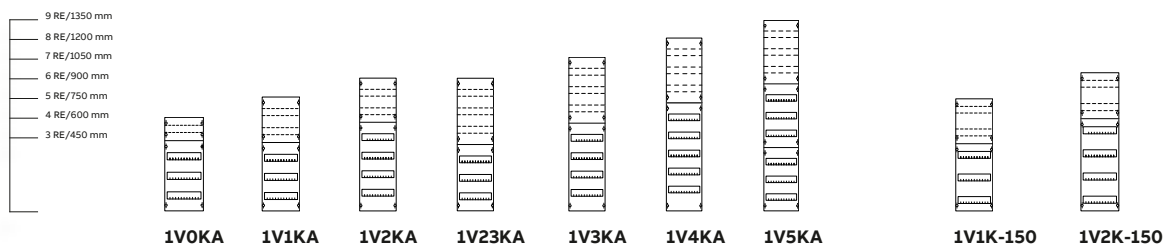
## Internal expansion system - Distribution panels

Rail-mounted devices and terminal blocks



- DIN rails for terminal blocks directly mounted on the mounting frame
- DIN rails for terminal blocks and rail-mounted devices 35 x 15 mm
- Distribution panels or field combinations must have the same grid units as the cabinets, in which they are installed
- For standalone and row switching cabinets, two fields or field combinations must be installed one above the other
- Without N/PE quick plug-in terminals
- The EDF profile rails are included in the scope of delivery

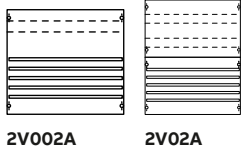
Height	Width				Distribution of the covers in mm			From a cabinet depth in mm	Type	Order code
	RE	mm	FB	mm	PLE	top	middle			
<b>Row spacing 125 mm</b>										
4	600	1	250	48	150	-	450	120	1V0KA	2CPX037593R9999
		2	500	96	150	-	450	120	2V0KA	2CPX037594R9999
5	750	1	250	60	300	-	450	120	1V1KA	2CPX037612R9999
		2	500	120	300	-	450	120	2V1KA	2CPX037613R9999
6	900	1	250	72	300	-	600	120	1V2KA	2CPX037624R9999
		2	500	144	300	-	600	120	2V2KA	2CPX037625R9999
6	900	1	250	72	450	-	450	120	1V23KA	2CPX037637R9999
		2	500	144	450	-	450	120	2V23KA	2CPX037638R9999
7	1050	1	250	84	450	-	600	120	1V3KA	2CPX037641R9999
		2	500	168	450	-	600	120	2V3KA	2CPX037642R9999
8	1200	1	250	96	450	-	750	120	1V4KA	2CPX037653R9999
		2	500	192	450	-	750	120	2V4KA	2CPX037654R9999
9	1350	1	250	108	450	450	450	120	1V5KA	2CPX037667R9999
		2	500	216	450	450	450	120	2V5KA	2CPX037668R9999
<b>Row spacing 150 mm</b>										
5	750	1	250	60	300	-	450	120	1V1K-150	2CPX077806R9999
		2	500	120	300	-	450	120	2V1K-150	2CPX077807R9999
6	900	1	250	72	300	-	600	120	1V2K-150	2CPX077810R9999
		2	500	144	300	-	600	120	2V2K-150	2CPX077811R9999





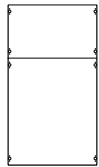
## Internal expansion system - Distribution panels

Busbars 40 mm, terminal blocks and contact protection



- Busbar center distance 40 mm
- With 5-pole busbars 12 x 5 mm
- With busbar bracket type ZX2BP2
- Rated current (I<sub>n</sub>) max. 360 A (max. 12 x 10 mm)
- Distribution panels or field combinations must have the same grid units as the cabinets, in which they are installed
- For standalone and row switching cabinets, two fields or field combinations must be installed one above the other
- The EDF profile rails are included in the scope of delivery

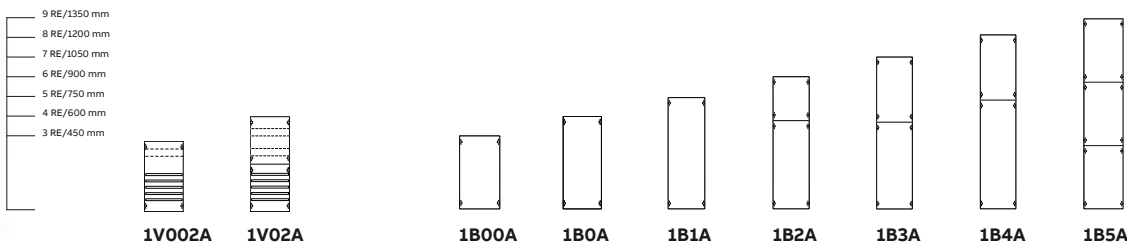
Height	Width			Distribution of the covers in mm			From a cabinet depth in mm	Type	Order code	
	RE	mm	FB	mm	PLE	top				middle
3	450	1	250	36	450	-	-	120	1V002A	2CPX037590R9999
		2	500	72	450	-	-	120	2V002A	2CPX037609R9999
4	600	1	250	48	300	-	300	120	1V02A	2CPX037606R9999
		2	500	96	300	-	300	120	2V02A	2CPX037607R9999



- Distribution panels or field combinations must have the same grid units as the cabinets, in which they are installed
- For standalone and row switching cabinets, two fields or field combinations must be installed one above the other
- The EDF profile rails are included in the scope of delivery

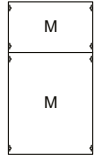
2B2A

3	450	1	250	36	450	-	-	120	1B00A	2CPX037585R9999
		2	500	72	450	-	-	120	2B00A	2CPX037586R9999
4	600	1	250	48	600	-	-	120	1B0A	2CPX037601R9999
		2	500	96	600	-	-	120	2B0A	2CPX037602R9999
5	750	1	250	60	750	-	-	120	1B1A	2CPX037620R9999
		2	500	120	750	-	-	120	2B1A	2CPX037621R9999
6	900	1	250	72	300	-	600	120	1B2A	2CPX037632R9999
		2	500	144	300	-	600	120	2B2A	2CPX037633R9999
7	1050	1	250	84	450	-	600	120	1B3A	2CPX037649R9999
		2	500	168	450	-	600	120	2B3A	2CPX037650R9999
8	1200	1	250	96	450	-	750	120	1B4A	2CPX037661R9999
		2	500	192	450	-	750	120	2B4A	2CPX037662R9999
9	1350	1	250	108	450	450	450	120	1B5A	2CPX037675R9999
		2	500	216	450	450	450	120	2B5A	2CPX037676R9999



## Internal expansion system - Distribution panels

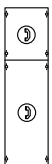
### Mounting plates and mounting cross-beams



2M2A

- Mounting plates that are variably adjustable in depth via the deep angle piece ED33
- Distribution panels or field combinations must have the same grid units as the cabinets, in which they are installed
- For standalone and row switching cabinets, two fields or field combinations must be installed one above the other
- The EDF profile rails are included in the scope of delivery

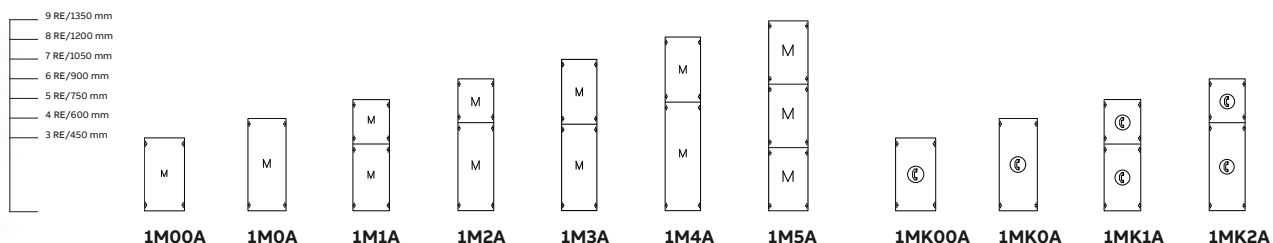
Height RE	Width			Distribution of the covers in mm			From a cabinet depth in mm	Type	Order code	
	mm	FB	mm	PLE	top	middle				bottom
3	450	1	250	36	450	-	-	120	1M00A	2CPX037582R9999
		2	500	72	450	-	-	120	2M00A	2CPX037583R9999
4	600	1	250	48	600	-	-	120	1M0A	2CPX037595R9999
		2	500	96	600	-	-	120	2M0A	2CPX037596R9999
5	750	1	250	60	300	-	450	120	1M1A	2CPX037614R9999
		2	500	120	300	-	450	120	2M1A	2CPX037615R9999
6	900	1	250	72	300	-	600	120	1M2A	2CPX037626R9999
		2	500	144	300	-	600	120	2M2A	2CPX037627R9999
7	1050	1	250	84	450	-	600	120	1M3A	2CPX037643R9999
		2	500	168	450	-	600	120	2M3A	2CPX037644R9999
8	1200	1	250	96	450	-	750	120	1M4A	2CPX037655R9999
		2	500	192	450	-	750	120	2M4A	2CPX037656R9999
9	1350	1	250	108	450	450	450	120	1M5A	2CPX037669R9999
		2	500	216	450	450	450	120	2M5A	2CPX037670R9999



1MK2A

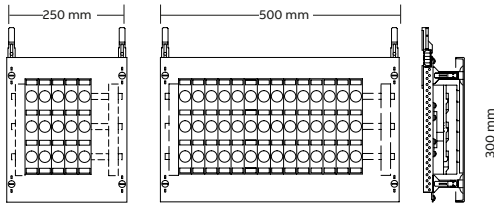
- Mounting cross-beams that are variably adjustable in depth via the deep angle piece ED33
- For contact-free mounting with M4 cage nuts
- Distribution panels or field combinations must have the same grid units as the cabinets, in which they are installed
- For standalone and row switching cabinets, two fields or field combinations must be installed one above the other
- The EDF profile rails are included in the scope of delivery

3	450	1	250	36	450	-	-	120	1MK00A	2CPX037179R9999
4	600	1	250	48	600	-	-	120	1MK0A	2CPX037180R9999
5	750	1	250	60	300	-	450	120	1MK1A	2CPX037181R9999
6	900	1	250	72	300	-	600	120	1MK2A	2CPX037182R9999



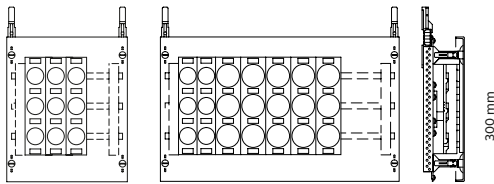
## Internal expansion system - Combination sets

Busbars 40 mm/60 mm for operating equipment



ED10EA

ED20EA

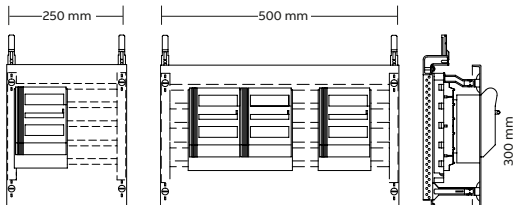


ED11EA

ED21EA

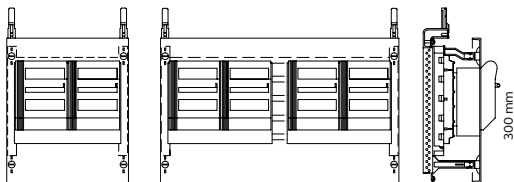
- With 3-pole bus-mounting fuse sockets
- Busbar center distance 60 mm
- With 3-pole busbars 12 x 5 mm
- With busbar bracket type ZX151
- Rated current ( $I_n$ ) max. 100 A
- Combination sets are plugged into the distribution panel at the top or bottom and mounted on the other side of the cabinet

Height	RE	Width			Equipment			From cabinet depth	Type	Order code
		mm	FB	mm	PLE	Version	Number			
2	300	1	250	24	D02 (ZE60)	5	200	ED10EA	2CPX037800R9999	
		2	500	48	D02 (ZE60)	14	200	ED20EA	2CPX037804R9999	
2	300	1	250	24	Diased E27 (ZE61)	3	200	ED11EA	2CPX037801R9999	
		2	500	48	Diased E27 (ZE61)/ Diased E33N (ZE62)	2/5	200	ED21EA	2CPX037805R9999	



ED12TA

ED21TA



ED13TA

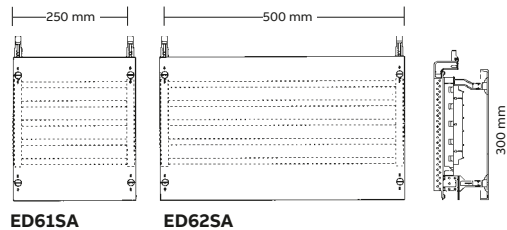
ED22TA

- With NH fuse switch disconnecter 3-pole
- Busbar center distance 40 mm
- With 3-pole busbars 12 x 5 mm
- With busbar bracket type ZX2BP2
- Rated current ( $I_n$ ) max. 250 A
- Combination sets are plugged into the distribution panel at the top or bottom and mounted on the other side of the cabinet

2	300	1	250	24	NH00 (ZH414)	1	200	ED12TA	2CPX037802R9999
		2	500	48	NH00 (ZH414)	3	200	ED21TA	2CPX037806R9999
2	300	1	250	24	NH00 (ZH414)	2	200	ED13TA	2CPX037803R9999
		2	500	48	NH00 (ZH414)	4	200	ED22TA	2CPX037807R9999

## Internal expansion system - Combination sets

### Busbars

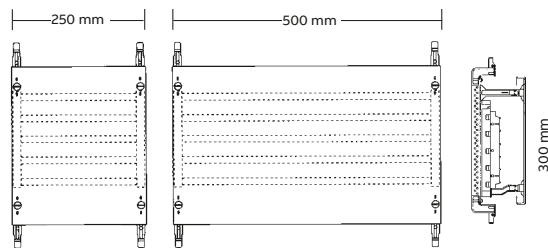


ED61SA

ED62SA

- Busbar center distance 40 mm
- With 5-pole busbars 12 x 5 mm
- With busbar bracket type ZX2BP2
- Rated current ( $I_n$ ) max. 250 A
- Combination sets are plugged into the distribution panel at the top or bottom and mounted on the other side of the cabinet

Height	Width		PLE	From cabinet depth	Type	Order code
	RE	mm				
2	300	1	250	24	ED61SA	2CPX037810R9999
		2	500	48	ED62SA	2CPX037811R9999

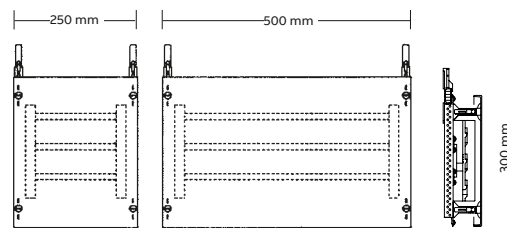


ED71SA

ED72SA

- Busbar center distance 40 mm
- With 5-pole busbars 12 x 5 mm
- With busbar bracket type ZX2BP2
- Rated current ( $I_n$ ) max. 250 A
- Combination sets are plugged into distribution panels at the top and bottom and thus are provided as an interim installation

2	300	1	250	24	ED71SA	2CPX037812R9999
		2	500	48	ED72SA	2CPX037813R9999

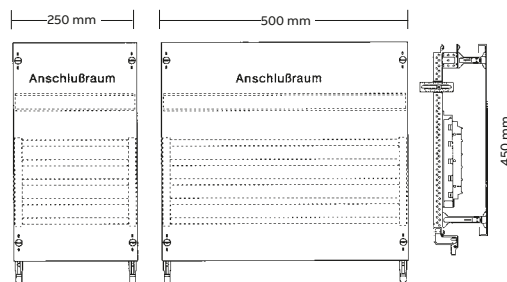


ED55A

ED56A

- Busbar center distance 60 mm
- With 3-pole busbars 12 x 5 mm
- With busbar bracket type ZX151
- Rated current ( $I_n$ ) max. 250 A (for expansion with bus-mounting fuse socket max. 100 A)
- Combination sets are plugged into the distribution panel at the top or bottom and mounted on the other side of the cabinet

2	300	1	250	24	ED55A	2CPX037808R9999
		2	500	48	ED56A	2CPX037809R9999



ED91SA

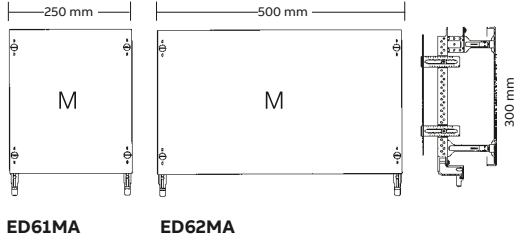
ED92SA

- Busbar center distance 40 mm
- With 5-pole busbars 12 x 5 mm
- With busbar bracket type ZX2BP2
- Rated current ( $I_n$ ) max. 250 A
- In addition, mounted with a DIN rail on a deep angle piece ED33P2
- Combination sets are plugged into the distribution panel at the top or bottom and mounted on the other side of the cabinet

3	450	1	250	36	ED91SA	2CPX037816R9999
		2	500	72	ED92SA	2CPX037817R9999

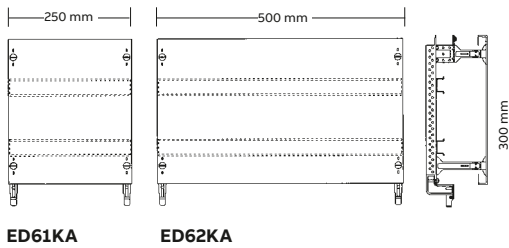
## Internal expansion system - Combination sets

Mounting plates, terminal blocks and Tmax circuit



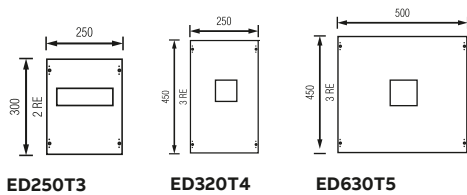
- Mounting plates that are variably adjustable in depth via the deep angle piece ED33
- Combination sets are plugged into the distribution panel at the top or bottom and mounted on the other side of the cabinet
- The maximum installation depth between mounting plate and cover is 178 mm

Height		Width		PLE	From cabinet depth	Type	Order code
RE	mm	FB	mm				
2	300	1	250	24	200	ED61MA	2CPX037820R9999
		2	500	48		ED62MA	2CPX037821R9999



- With horizontally-arranged DIN rails 35 x 15 mm
- DIN rails can be set up to be protection-insulated with the insulator piece ZK90P2 if necessary
- Row spacing 150 mm (can be moved when it is needed)
- Combination sets are plugged into the distribution panels at the top and bottom and attached on the other side of the cabinet

2	300	1	250	24	200	ED61KA	2CPX037822R9999
		2	500	48		ED62KA	2CPX037823R9999
3	450	1	250	36	200	ED91KA	2CPX037824R9999
		2	500	72		ED92KA	2CPX037825R9999



- For power switches ABB T-max
- ED250T3, Tmax XT1, 2 x 3-pole, 1 x 4-pole Tmax XT3, 1 x 3-pole, 1 x 4-pole, in the small distributor only 1 x Tmax XT1 with rocker arm max. I<sub>n</sub> to 100 A
- ED320T4, Tmax, T4, 3-pole
- ED630T5, Tmax, T4, 4-pole and Tmax, T5, 3- and 4-pole Combination sets can only be used in combination with distribution panels

2	300	1	250	24	200	ED250T3	2CPX037826R9999
3	450	1	250	36	200	ED320T4	2CPX037827R9999
		2	500	72		ED630T5	2CPX037828R9999

## Interior expansion system - Distribution panels/combination sets

### General accessories



ED30P2



ED31P2



ED32P2



ZK300

Article	Unit	Type	Order code
<b>Panel connector for EDF profile</b> For any combination of distribution panels or EDF profile rails up to a maximum of 9 grid units	2	ED30P2	2CPX062302R9999
<b>Lowering connector for EDF profile</b> For equalizing deep-lying mounting levels of busbars and mounting plate panels up to 9 grid units	2	ED31P2	2CPX062303R9999
<b>Lowering bracket for EDF profile</b> For equalizing the front to rear mounting level	2	ED32P2	2CPX062304R9999
<b>N/PE busbar system for distribution panels</b> Copper 12 x 5 mm, max. connection 95 mm <sup>2</sup> , rated current (I <sub>n</sub> ) 250 A			
1-field width	1	ZK300	2CPX038551R9999
2-field width	1	ZK301	2CPX038552R9999



ZK113B



ZK113G



ZK10P10



ZK14



ZK15

Article	Number of terminals 1.5 - 4 mm <sup>2</sup>	Number of terminals 2.5 - 25 mm <sup>2</sup>	External dimensions H x W x D in mm	Unit	Type	Order code
<b>N Quick plug-in terminals</b> For Quick plug-in carrier	5	0	23 x 32 x 21	1	ZK50B	2CPX062750R9999
	5	1	32 x 32 x 31	1	ZK51B	2CPX062751R9999
	8	2	32 x 49 x 31	1	ZK82B	2CPX062752R9999
	11	3	32 x 65 x 31	1	ZK113B	2CPX062753R9999
	14	4	32 x 82 x 31	1	ZK144B	2CPX062754R9999
	17	5	32 x 98 x 31	1	ZK175B	2CPX062755R9999
<b>PE Quick plug-in terminals</b> For Quick plug-in carrier	20	6	32 x 115 x 31	1	ZK206B	2CPX062756R9999
	5	1	32 x 32 x 31	1	ZK51G	2CPX062757R9999
	8	2	32 x 49 x 31	1	ZK82G	2CPX062758R9999
	11	3	32 x 65 x 31	1	ZK113G	2CPX062759R9999
	14	4	32 x 82 x 31	1	ZK144G	2CPX062760R9999
	17	5	32 x 98 x 31	1	ZK175G	2CPX062761R9999
<b>Connecting bridges</b> For Quick plug-in terminals	20	6	32 x 115 x 31	1	ZK206G	2CPX062762R9999
				10	ZK10P10	2CPX062763R9999
<b>Quick plug-in carrier</b> For distribution panels Usable width for Quick plug-in terminals 214 mm 13 units				1	ZK14	2CPX064983R9999
<b>Adapter for ZK50B</b> By snapping the ZK50B N Quick plug-in terminal into the ZK15 adapter, the ZK50BT is ready for lateral mounting in the UK5 ..., A3 ... or for snapping onto the DIN rail				1	ZK15	2CPX064984R9999



## Distribution panel system CombiLine X

### General information

#### Busbars for low voltage switchgear and controlgear assemblies

In this chapter you will find useful information on planning a low-voltage distribution. After you have collected the necessary data in the first step, the following information will help you to carry out the project planning in such a way that you can provide a design verification.

The following parameters are critical in order to define the dimensions of a busbar system:

- Necessary current carrying capacity  $I_{nA} / I_{nC}$
- Rated peak withstand current ( $I_{pk}$ )
- Rated short-time withstand current ( $I_{cw}$ )
- Rated voltage ( $U_g$ )
- Rated impulse withstand voltage ( $U_{imp}$ )

The specifications for these design values can be found on the next pages.

The short-circuit strength of the busbar system is determined by the

- arrangement of the conductors to each other
- Inherent stability of the conductors

The inherent stability of the conductor (the busbar) depends on the conductor geometry (flat rail/profile rail).

The inherent stability and the arrangement of the busbars to each other determine the spacing of the busbar supports. The busbar holder shall be capable of withstanding the forces that occur. Exceeding of the conductors' inherent withstand rating and incorrect support distances will lead to unacceptable conductor deformations. The busbar support must absorb the forces that occur. If the inherent strength of the conductors is exceeded and the support distances are incorrectly selected, this will result in impermissible deformations of the conductors.

The calculation of the occurring forces, the inherent stability and the maximum distances between the busbar supports can be carried out according to DIN VDE 0103 (IEC 60865-1).



## Distribution panel system CombiLine N

### General information

#### Project planning of distribution board and design verification

When designing the system, it is necessary to clarify the level of the short-circuit current occurring at the installation location for the verification.

In the following cases a short circuit withstand rating verification is not required as per DIN EN 61439:

- If the rated short-time withstand current or rated conditional short-circuit current at the installation site is less than 10 kA
- If a cut off current of current-limiting devices is not exceeding 17 kA at the terminals of the incoming circuit of the assembly

If this is not the case, verification must be provided by means of an examination.

If higher short-circuit values than the above-mentioned values are to be expected at the installation site, you can alternatively use the tables derived from numerous tests for verification. You will find them on the next pages to prove the strength of the busbar system you have realized with our components.

#### Notes on the design of busbar connections

For the connection of busbars, DIN 43 673 (busbars - bores and screw connections) should be observed.

It contains information on how connections

- should be made in geometry
- with which fastening elements
- and with which torques.

Of course, on the selection pages of this chapter we offer you the appropriate materials to make secure connections.

## Distribution panel system CombiLine N

### Technical specifications of the busbar holder ZX2P2



ZX2P2

#### Technical specifications

Busbar holder ZX2P2

Busbar system 5-Pole

Busbar centre spacing 40 mm

Installation in distribution board and meter panels

Cu busbars 12 x 5 mm

Cu busbars 12 x 10 mm (by breaking-off of the holder)

Rated current ( $I_{cw}$ ) max 350 A

Rated short-time withstand current ( $I_{cw}$ ) 0.3 sec. see table

Rated peak withstand current ( $I_{pk}$ ) 0.1 sec. see table

Suitable for E-Cu busbars, unprocessed and blank

Continuous currents according to DIN 43671 for busbars made of E-Cu with rectangular cross-section in indoor facilities at 25° C air temperature around the conductor and max. 65° C rail temperature. In case of parameter deviations. Consider correction factors of DIN 43671.

Dimensions	Continuous current in A	Cross section	Weight
Cu busbars H x W (mm)	1 Cu busbar	in mm <sup>2</sup>	In kg/m
12 x 5	250	59.5	0.532
12 x 10	350	119.0	1.064

#### Short circuit withstand rating

Cu busbars H x W (mm)	Busbar holder spacing max. (mm)	$I_{cw}$ /kA	$I_{pk}$ /kA
12 x 5	283	15 (0.3 sec.)	36
12 x 10	283	15 (0.3 sec.)	36

## Distribution panel system CombiLine N

Technical specifications of the busbar holder ZX95P2



ZX95P2

### Technical specifications

Busbar holder ZX95P2
Busbar system 5-Pole
Busbar centre spacing 40 mm
Cu busbars 12 x 5 mm
Cu busbars 12 x 10 mm (by breaking-off of the holder)
Rated current ( $I_{cw}$ ) max 350 A
Rated short-time withstand current ( $I_{cw}$ ) 1.0 sec. see table
Rated peak withstand current ( $I_{pk}$ ) 0.1 sec. see table
Suitable for E-Cu busbars, unprocessed and blank

Continuous currents according to DIN 43671 for busbars made of E-Cu with rectangular cross-section in indoor facilities at 25° C air temperature around the conductor and max. 65° C rail temperature. In case of parameter deviations. Consider correction factors of DIN 43671.

Dimensions	Continuous current in A	Cross section	Weight
Cu busbars H x W (mm)	1 Cu busbar	in mm <sup>2</sup>	In kg/m
12 x 5	250	59.5	0.532
12 x 10	350	119.0	1.064

### Short circuit withstand rating

Cu busbars H x W (mm)	Busbar holder spacing max. (mm)	$I_{cw}$ /kA	$I_{pk}$ /kA
12 x 5	220	14.5	29.1
12 x 10	220	14.5	29.1

## Distribution panel system CombiLine N

Technical specifications of the busbar holder ZX520



ZX520

### Technical specifications

Busbar holder ZX520

Busbar system 3-Pole

Busbar centre spacing	60 mm	100 mm
Cu busbars	up to 30 x 10 mm	up to 60 x 10 mm
Rated current ( $I_n$ )	max. 630 A	max. 1250 A

Rated short-time withstand current ( $I_{cw}$ ) see table

Rated peak withstand current ( $I_{pk}$ ) see table

Rated voltage  $U_e = 400$  V

Rated impulse withstand voltage  $U_{imp} = 6$  kV

To be used with busbars E-Cu, unprocessed and blank.

Continuous currents according to DIN 43671 for busbars made of E-Cu with rectangular cross-section in indoor facilities at 25° C air temperature around the conductor and max. 65° C rail temperature. In case of parameter deviations. Consider correction factors of DIN 43671.

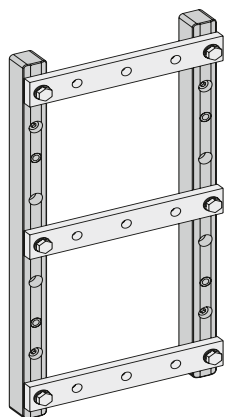
Dimensions	Rated current	Cross section	Weight
Cu busbars H x W (mm)	in A	in mm <sup>2</sup>	(kg)
30 x 10	630	299.0	2,661
40 x 10	850	399.0	3,551
40 x 10 50 x 10	1000	499.0	4,441
60 x 10	1250	599.0	5,331

### Short circuit withstand rating

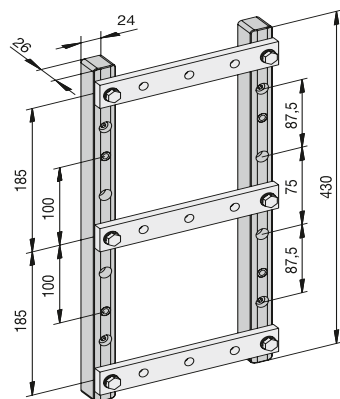
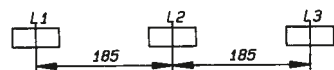
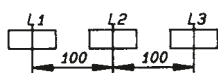
Cu busbars H x W (mm)	Busbar holder spacing max. (mm)	1 FB		2 FB		3 FB	
		$I_{cw}/kA$	$I_{pk}/kA$	$I_{cw}/kA$	$I_{pk}/kA$	$I_{cw}/kA$	$I_{pk}/kA$
30 x 10	100	35,0	75,0	30,0	63,0	25,0	52,9
40 x 10	100	35,0	75,0	35,0	75,0	25,0	52,9
50 x 10	100	35,0	75,0	35,0	75,0	25,0	52,9

## Distribution panel system CombiLine N

### Technical specifications of the busbar holder ZX522



ZX522



#### Technical specifications

Busbar holder ZX522

3-Pole busbar system

Busbar centre spacing 100 mm 185 mm

Cu busbars up to 60 x 10 mm up to 100 x 10 mm

Rated current ( $I_n$ ) max. 1450 A max. 1700 A

Rated short-time withstand current ( $I_{cw}$ ) see table

Rated peak withstand current ( $I_{pk}$ ) see table

Rated voltage  $U_n = 400$  V

Rated impulse withstand voltage  $U_{imp} = 6$  kV

To be used with busbars E-Cu, unprocessed and blank.

Continuous currents according to DIN 43671 for busbars made of E-Cu with rectangular cross-section in indoor facilities at 25° C air temperature around the conductor and max. 65° C rail temperature. In case of parameter deviations. Consider correction factors of DIN 43671.

Dimensions	Rated current	Cross section	Weight
Cu busbars			
H x W (mm)	in A	in mm <sup>2</sup>	(kg)
30 x 10	630	299.0	2.7
40 x 10	850	399.0	3.6
50 x 10	1000	499.0	4.4

#### Short circuit withstand rating

Cu busbars H x W (mm)	Busbar holder spacing max. (mm)	1 FB		2 FB		3 FB	
		$I_{cw}/kA$	$I_{pk}/kA$	$I_{cw}/kA$	$I_{pk}/kA$	$I_{cw}/kA$	$I_{pk}/kA$
30 x 10	100	35,0	75,0	30,0	63,0	25,0	52,9
	185	35,0	75,0	30,0	63,0	20,0	40,0
40 x 10	100	35,0	75,0	35,0	75,0	25,0	52,9
	185	35,0	75,0	35,0	75,0	25,0	52,0
50 x 10	100	35,0	75,0	35,0	75,0	25,0	52,9
	185	35,0	75,0	35,0	75,0	35,0	75,0

## Distribution panel system CombiLine N

### Technical specifications of the busbar holder ZX563



ZX563

#### Technical specifications

N/PE busbar holder ZX563

Distance of the fixing holes 60 mm

Cu busbars 30 x 5 up to 60 x 10 mm

Rated current ( $I_n$ ) max. 1250 A

Rated short-time withstand current ( $I_{cw}$ ) see table

Rated peak withstand current ( $I_{pk}$ ) see table

Rated voltage  $U_e = 400$  V

Rated impulse withstand voltage  $U_{imp} = 8$  kV

To be used with busbars E-Cu, unprocessed and blank.

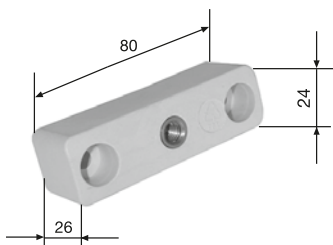
Continuous currents according to DIN 43671 for busbars made of E-Cu with.

Rectangular cross-section in indoor facilities at 25° C air temperature around the conductor and max. 65° C rail temperature. In case of parameter deviations.

Consider correction factors of DIN 43671.



Dimensions	Rated current	Cross section	Weight
Cu busbars H x W (mm)	in A	in mm <sup>2</sup>	(kg)
30 x 10	630	299.0	2.7
40 x 10	850	399.0	3.6
50 x 10	1000	499.0	4.4



#### Short circuit withstand rating

Cu busbars H x W (mm)	Busbar holder spacing max. (mm)	$I_{cw}$ /kA	$I_{pk}$ /kA
30 x 10	730	26.3	59.2
40 x 10	730	45.0	100.0
60 x 10	730	30.0	63.0

## Distribution panel system CombiLine N

Technical specifications of the busbar holder ZX561



ZX561

### Technical specifications

N/PE busbar holder type ZX561

Distance of the fixing holes 90 mm

Cu busbars 80 x 5 up to 100 x 10 mm

Rated current ( $I_n$ ) max. 1700 A

Rated short-time withstand current ( $I_{cw}$ ) 1.0 sec. see table

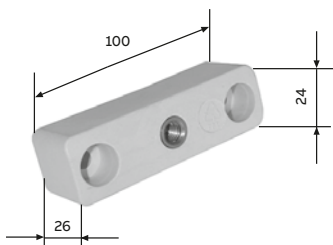
Rated peak withstand current ( $I_{pk}$ ) 0.1 sec. see table

Suitable for E-Cu busbars, unprocessed and blank

Continuous currents according to DIN 43671 for busbars made of E-Cu with rectangular cross-section in indoor facilities at 25° C air temperature around the conductor and max. 65° C rail temperature. In case of parameter deviations. Consider correction factors of DIN 43671.



Dimensions	Rated current	Cross section	Weight
Cu busbars H x W (mm)	in A	in mm <sup>2</sup>	(kg)
80 x 10	1450	799.0	7.110
100 x 10	1700	999.0	8.890



### Short circuit withstand rating

Cu busbars H x W (mm)	Busbar holder spacing max. (mm)	$I_{cw}$ /kA	$I_{pk}$ /kA
80 x 10	730	45.0	100.0
100 x 10	730	45.0	100.0

## Subdistribution boards

### Fire protection housing – Housing for preventive fire protection

Preventive fire protection is not just the job of the construction managers. Electrical designers and installers or switchgear manufacturers are responsible during planning and execution for making sure that their systems will not be the cause of a fire. In electrical switchgear, the following elements:

- Loose terminals
- Short circuits
- Fault arcs
- Overloads
- Insulation errors
- Lightning strikes

can cause a fire. Therefore, the system operator also needs to make the appropriate contribution by checking the electrical systems at fixed intervals, maintaining them and upgrading them as needed.

In the case of technical installations in industry or in building complexes with large concentrations of people, such as in airports, train stations, nursing homes, hospitals or hotels, it is vital that the functionality of safety-relevant electrical systems is maintained even during a fire.

ABB STRIEBEL & JOHN offers you an innovative housing system for preventive fire protection made of non-flammable material with optimal technical and economic expansion options.

A wide range of wall and standing housings are available in various cabinet sizes.



## Subdistribution boards

### Fire protection housing – General technical data

#### Technical parameters

<b>Mounting type</b>	UP wall mounting/AP wall mounting/AP standing mounting
<b>Housing</b>	Highly compressed, multi-layer fire protection panels (DIN 4102-1/DIN EN 13501-1) of building material class 'A2' non-flammable, smoke-tight
<b>Surface</b>	Coating light gray - similar to RAL 7035, edges in contrasting colors
<b>Door</b>	Door hinge right or left as standard, left also possible after conversion, opening angle approx. 180 degrees
<b>Lock</b>	Locking with sash lock through swivel handle with double bit half cylinder
<b>Interior expansion</b>	Prepared for installing distributor fields and CombiLine module system fields
<b>Cable entries</b>	Top and bottom
<b>Standard ventilation</b>	Ventilation in case of fire self-closing
<b>Additional equipment</b>	IP54, various decorative surfaces, reinforced back wall for free installation

#### Standards/regulations\*

DIN EN 61439-2 (VDE 0660-600-2) (modules EDFmounting frame)	X
Protection class	IP41/IP44/IP54
Installation site/environment	Interior space
Ambient temperature, 24-hour average	+ 35°
Ambient temperature maximum value	+ 40 °
Ambient temperature minimum value	- 5°

#### Electrical characteristics

Rated impulse withstand voltage $U_{imp}$	III/6 kV
Pollution degree	3
Protection class	II
Rated surge current resistance $I_{pk}$	max. 17 kA
Rated short-time current $I_{cw}$ 1.0 sec	max. 10 kA
Rated frequency	50-60 Hz
Rated insulating voltage $U_i$	690 V
Rated operating voltage AC $U_e$	400 V

## Subdistribution boards

### Fire protection housing – Standard features

Material  
+ Decor  
**A2 Class**

Fire  
Resistance  
**30 Min.**

Fire  
Resistance  
**90 Min.**



#### Material/design

- Building material with surface – A2-s1, d0
- Fire resistance F30/F90
- Protection class depending on application, IP41, IP44 or IP54
- Smoke-tight
- Cold smoke-proof
- Wall thickness reduced to 72 mm.



#### Locking using the swivel handle

The doors have swivel levers in stainless steel look, which are located centrally and can be locked with double bit half cylinders.



#### Changeable door hinge

The door hinge is easy to change - to convert, unscrew the hinge from the door joint and screw it into the opposite joint. The door is fastened using the pre-drilled fixing holes in the door and the cabinet body. The door hinge is on the right as standard.

#### Stainless steel hinges

High-quality stainless steel hinges with a push-out axle pin allow for easy removal of the door. If necessary, significant weight reduction can thus be achieved for transport.



#### Mounting tabs

The flush-mounted wall housings are screwed from the outside with two mounting tabs attached to the head part, each with a dowel on the wall behind it. Therefore, the equipped housing can be easily and quickly mounted.



#### Integrated ventilation system

Consisting of fan and smoke detector, ready for connection (230 V AC), this reduces the area that can be fitted by one grid unit (RE).

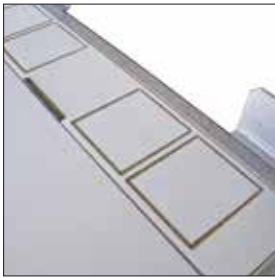
## Subdistribution boards

### Fire protection housing – Standard features



#### Cable sheath

Cable sheaths for bundle or individual cable entry are located at the top and bottom of the housing.



#### Cable sheath (delivery condition)

The cable sheaths are standard in all wall and standing housings. This ensures quick and easy cable entry for every application.

#### Silicone seal

To increase the protection class to IP54, a full-perimeter silicone seal is needed for the cable entry points (see page 18/338).



- Empty housing, prepared for installing distributor fields and CombiLine module system fields each minus one raster unit per housing
- Doors are easy to remove - axle pin can be pushed out (reduced transport weight)
- Door opening angle 180 degrees
- Locking with rod lock, 2-point locking
- Color light gray - similar to RAL7035, with colored edges
- High chemical resistance (surface characteristics based on DIN EN 438-2)
- High mechanical strength and stability, Brinell hardness 50 N/mm<sup>2</sup>
- High material density 1,450 kg/m<sup>3</sup>
- Integrated ventilation system (area that can be fitted is reduced by one grid unit)

## Subdistribution boards

### Fire protection housing – Overview



#### Flush-mounted wall housing UF, IP41

Housing depth 205 mm

Housing for flush mount

Material  
+ Decor  
**A2**  
Class

Fire  
Resistance  
**30 Min.**

Fire  
Resistance  
**90 Min.**



#### Surface-mount wall housing AF, IP44

Housing depth 349 mm (internal depth 240 mm)

Housing for surface wall mounting

Material  
+ Decor  
**A2**  
Class

Fire  
Resistance  
**30 Min.**

Fire  
Resistance  
**90 Min.**



#### Standing housing SF, IP44

Housing depth 349 mm (internal depth 240 mm)

Housing for standing installation

Material  
+ Decor  
**A2**  
Class

Fire  
Resistance  
**30 Min.**

Fire  
Resistance  
**90 Min.**

## Subdistribution boards

### Fire protection housing – Overview




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#### Sheath housing MF, IP41

Housing for mounting using available distributors

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<b>Material + Decor</b> <b>A2 Class</b>	<b>Fire Resistance</b> <b>30 Min.</b>
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#### Terminal boxes without terminal block KF, IP41

Housing for wall or ceiling mounting

Mounting material for ceiling mounting available on request

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<b>Material + Decor</b> <b>A2 Class</b>	<b>Fire Resistance</b> <b>30 Min.</b>	<b>Fire Resistance</b> <b>90 Min.</b>
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#### Facing doors VF, IP54

Doors which are installed in front of existing flush-mounted distributors

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<b>Material + Decor</b> <b>A2 Class</b>	<b>Fire Resistance</b> <b>30 Min.</b>	<b>Fire Resistance</b> <b>90 Min.</b>
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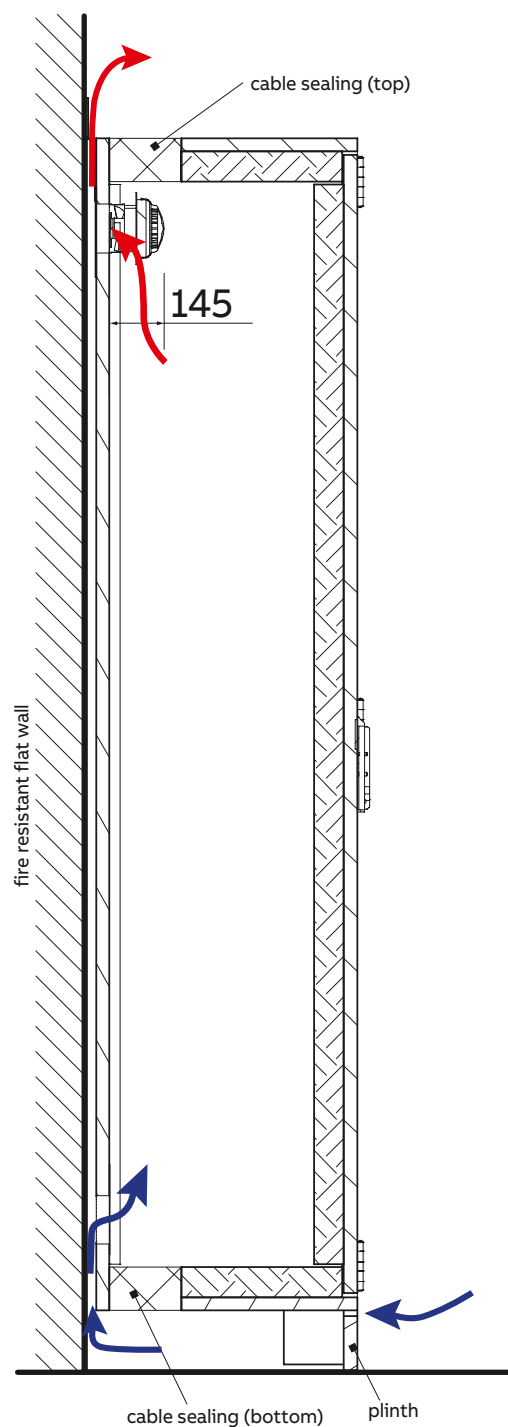
## Subdistribution boards

### Fire protection housing – Additional equipment

#### Wall housing/standing housing when mounting or installing as freestanding unit

If installing as a free-standing unit, or in case of an extremely uneven wall, a BRW18 - BRW38 fire protection plate (42 mm thick) must be additionally screwed onto the back wall of the housing.

> The fire protection plate must be ordered separately, see page 18/328

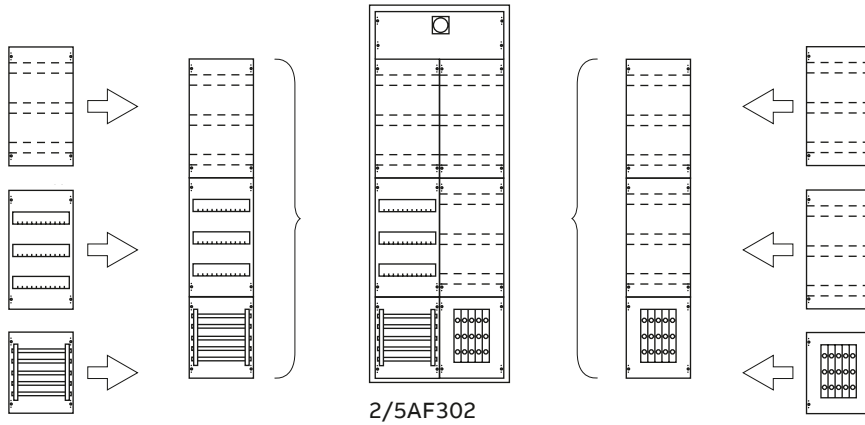


Schematic representation of ventilation in a standing housing

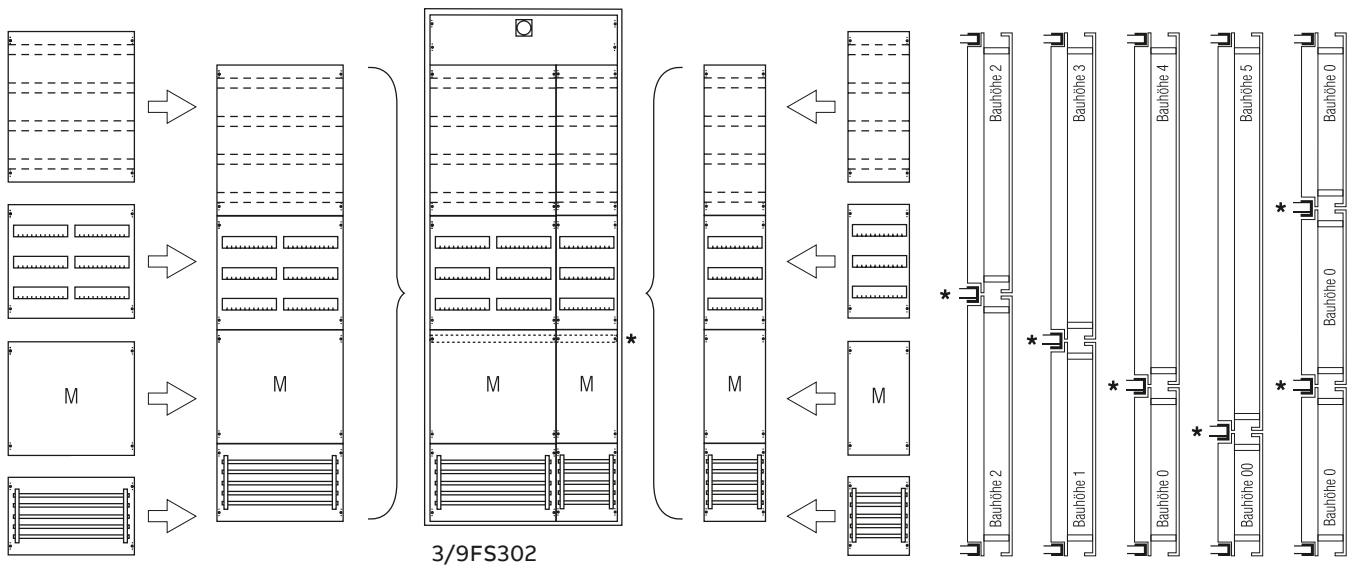
## Subdistribution boards

Fire protection housing – Configuration example/mounting instructions

### Configuration example: Surface-mount wall housing AF



### Configuration example: Standing housing SF



\*Middle support rail adjustable up and down

### Important notes

For flush-mounted, surface-mounted and standing housings, the mounting frames needed to hold the CombiLine modules or distributor panels are prefitted (for CombiLine modules and distributor fields/combination sets see chapter 8)

There is a fan in the upper part of the housing which occupies the space of one grid unit (1 RE). This space has a closed cover and is not available for the installation of CombiLine modules or distributor fields/combination sets.

When planning modular system fields for standing housings, the middle support rail, which extends over the entire width of the housing, must be taken into account (see configuration example Standing housing SF).

## Subdistribution boards

### Fire protection housing – Flush-mounted wall housing




#### Flush-mounted wall housing UF, IP41

Housing depth 205 mm

Housing for flush mount



#### Main features

- Material with A2 surface coating - non-combustible, tested in accordance with DIN 4102-1
- Fire resistance F30/F90, tested in accordance with DIN 4102-2
- Protection type in accordance with IP41  protection class II
- Smoke-tight, cold smoke-tight

#### Structure

- Flush mount (solid wall F30/F90)
- Prepared for installation of distributor fields
- Prepared for expansion with CombiLine modules on EDFmounting frame
- Changeable door hinge
- Door can be de-attached, thereby reducing weight
- Locking with sash lock using swivel handle with double bit half cylinder
- Cable entry at the bottom and top
- Door internal
- Opening angle 180 degrees

#### Surface

- Color light gray - similar to RAL 7035, with colored edges
- High chemical resistance
- High mechanical strength and stability


#### Additional equipment/options

- A variety of decorative surfaces




## Subdistribution boards

Fire protection housing – Flush-mounted wall housing, IP41 , depth 205 mm

Overall height	Locking unit	Field width	Door hinge	Space units	External dimensions in mm			Weight in kg
Overall height	RE	FB		PLE	H × W × D	Type	Item number	
<b>Flush-mounted wall housing, IP41 , depth 205 mm</b>								
0	4	1	right	48	682 × 332 × 205	1/0UF2020	2CPX040008R9999	41
0	4	1	left	48	682 × 332 × 205	1/0UF2120	2CPX040009R9999	41
0	4	2	right	96	682 × 582 × 205	2/0UF2020	2CPX040020R9999	58
0	4	2	left	96	682 × 582 × 205	2/0UF2120	2CPX040021R9999	58
2	6	1	left	72	982 × 332 × 205	1/2UF2120	2CPX040029R9999	55
2	6	2	right	144	982 × 582 × 205	2/2UF2020	2CPX040040R9999	80
2	6	2	left	144	982 × 582 × 205	2/2UF2120	2CPX040041R9999	80



<b>Flush-mounted wall housing, IP41 , depth 205 mm</b>								
0	4	1	right	48	682 × 332 × 205	1/0UF2021	2CPX040052R9999	49
0	4	1	left	48	682 × 332 × 205	1/0UF2121	2CPX040053R9999	49
0	4	2	right	96	682 × 582 × 205	2/0UF2021	2CPX040064R9999	70
0	4	2	left	96	682 × 582 × 205	2/0UF2121	2CPX040065R9999	70
2	6	1	right	72	982 × 332 × 205	1/2UF2021	2CPX040076R9999	67
2	6	1	left	72	982 × 332 × 205	1/2UF2121	2CPX040077R9999	67
2	6	2	right	144	982 × 582 × 205	2/2UF2021	2CPX040088R9999	99
2	6	2	left	144	982 × 582 × 205	2/2UF2121	2CPX040089R9999	99



## Subdistribution boards

### Fire protection housing – Surface-mount wall housing




#### Surface-mount wall housing AF, IP44

Housing depth 349 mm

Housing for surface wall mounting



#### Main features

- Material with A2 surface coating - non-combustible, tested in accordance with DIN 4102-1/ EN 135 01-1
- Fire resistance F30/F90, tested in accordance with DIN 4102-2
- Protection type in accordance with IP44  protection class II
- Smoke-tight, cold smoke-tight
- Ventilation system in the rear wall

#### Structure

- Wall mounting (solid wall F30/F90)
- Prepared for installation of distributor fields
- Prepared for expansion with CombiLine modules on EDFmounting frame
- Changeable door hinge on site, standard right
- Door can be de-attached, thereby reducing weight
- Locking with rod lock using swivel handle with double bit half cylinder
- Cable entry at the bottom and top
- Mounting tabs placed externally
- Door internal
- Opening angle 180 degrees

#### Surface

- Color light gray - similar to RAL 7035, with colored edges
- High chemical resistance
- High mechanical strength and stability

## Subdistribution boards

Fire protection housing – Surface-mount housing, IP44 ☐, depth 349 mm

Overall height	Locking unit	Field width	Space units	External dimensions in mm			Weight in kg
Overall height	RE	FB	PLE	H × W × D	Type	Item number	
<b>Surface-mount housing, IP44 ☐, depth 349 mm</b>							
00	3	1	36	598 × 398 × 349	1/00AF302	2CPX043265R9999	51
00	3	2	72	598 × 648 × 349	2/00AF302	2CPX043266R9999	71
0	4	1	48	748 × 398 × 349	1/0AF302	2CPX043267R9999	62
0	4	2	96	748 × 648 × 349	2/0AF302	2CPX043268R9999	85
1	5	1	60	898 × 398 × 349	1/1AF302	2CPX043269R9999	73
1	5	2	120	898 × 648 × 349	2/1AF302	2CPX043270R9999	99
2	6	1	72	1048 × 398 × 349	1/2AF302	2CPX043271R9999	83
2	6	2	144	1048 × 648 × 349	2/2AF302	2CPX043272R9999	114
3	7	1	84	1198 × 398 × 349	1/3AF302	2CPX043274R9999	94
3	7	2	168	1198 × 648 × 349	2/3AF302	2CPX043275R9999	128
3	7	3	252	1198 × 898 × 349	3/3AF302	2CPX043276R9999	163
4	8	2	192	1348 × 648 × 349	2/4AF302	2CPX043278R9999	143
5	9	2	216	1498 × 648 × 349	2/5AF302	2CPX043281R9999	157



<b>Surface-mount housing, IP44 ☐, depth 349 mm</b>							
0	3	1	36	598 × 398 × 349	1/00AF303	2CPX043380R9999	53
0	4	1	48	748 × 398 × 349	1/0AF303	2CPX043381R9999	64
0	4	2	96	748 × 648 × 349	2/0AF303	2CPX043382R9999	87
1	5	1	60	898 × 398 × 349	1/1AF303	2CPX043383R9999	75
1	5	2	120	898 × 648 × 349	2/1AF303	2CPX043384R9999	101
2	6	1	72	1048 × 398 × 349	1/2AF303	2CPX043385R9999	85
2	6	2	144	1048 × 648 × 349	2/2AF303	2CPX043386R9999	114
2	6	3	216	1048 × 898 × 349	3/2AF303	2CPX043387R9999	119
3	7	1	84	1198 × 398 × 349	1/3AF303	2CPX043388R9999	96
3	7	2	168	1198 × 648 × 349	2/3AF303	2CPX043389R9999	130
3	7	3	252	1198 × 898 × 349	3/3AF303	2CPX043390R9999	165



### Important note

A cooling shutter is included for F90 fire resistance.

(For wall mounting housing a further cooling shutter could be necessary)

## Subdistribution boards

### Fire protection housing – Standing housing




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#### Standing housing SF, IP44

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Housing depth 349 mm


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Housing for standing installation

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#### Main features

- Material with A2 surface coating - non-combustible, tested in accordance with DIN 4102-1/ EN 135 01-1
- Fire resistance F30/F90, tested in accordance with DIN 4102-2
- Protection type in accordance with IP44  protection class II
- Smoke-tight, cold smoke-tight
- Ventilation system in the rear wall

#### Structure

- Freestanding installation
- Prepared for installation of distributor fields
- Prepared for expansion with CombiLine modules on EDFmounting frame
- Changeable door hinge, option of right or left
- Door can be de-attached, thereby reducing weight
- Locking with rod lock using swivel handle with double bit half cylinder
- Cable sheath for bundle entry or single entry
- Cable entry point, top and bottom
- Door internal
- Opening angle 180 degrees
- Base with removable front for pallet truck
- Ventilation system through the back wall of the housing

#### Surface

- Color light gray - similar to RAL 7035, with colored edges
- High chemical resistance
- High mechanical strength and stability

#### Important note

If installing as a free-standing unit, or in case of an extremely uneven wall, a fire protection plate (42 mm thick) must be additionally screwed onto the back wall of the housing (see page 18/338)

## Subdistribution boards

Fire protection housing – Standing housing, IP44 ☐, depth 349 mm

Overall height	Locking unit	Field width	Door hinge	Space units	External dimensions in mm			Weight in kg
Overall height	RE	FB	(Standard)	PLE	H × W × D	Type	Item number	
<b>Standing housing IP44 ☐, depth 349 mm</b>								
8	12	1	right	144	2048 × 398 × 349	1/8SF302	2CPX043290R9999	152
8	12	2	right	288	2048 × 648 × 349	2/8SF302	2CPX043292R9999	206
8	12	3	right	432	2048 × 898 × 349	3/8SF302	2CPX043294R9999	259
9	13	1	right	156	2198 × 398 × 349	1/9SF302	2CPX043304R9999	163
9	13	2	right	312	2198 × 648 × 349	2/9SF302	2CPX043306R9999	220
9	13	3	right	468	2198 × 898 × 349	3/9SF302	2CPX043308R9999	278



<b>Standing housing IP44 ☐, depth 349 mm</b>								
8	12	1	right	144	2048 × 398 × 349	1/8SF303	2CPX043391R9999	154
8	12	2	right	288	2048 × 648 × 349	2/8SF303	2CPX043392R9999	208
8	12	3	right	432	2048 × 898 × 349	3/8SF303	2CPX043393R9999	261
9	13	1	right	156	2198 × 398 × 349	1/9SF303	2CPX043394R9999	165
9	13	2	right	312	2198 × 648 × 349	2/9SF303	2CPX043395R9999	222
9	13	3	right	468	2198 × 898 × 349	3/9SF303	2CPX043396R9999	280

### Important note

A cooling shutter is included for F90 fire resistance.



## Subdistribution boards

### Fire protection housing – Sheath housing



#### Sheath housing MF, IP41

Housing depth 312 mm

Housing for mounting using available distributors



#### Features

- Material with surface coating A2 – non combustible, tested according to DIN 4102 Part 1
- Fire resistance F30, tested according to DIN 4102 Part 2
- Reduce fire load for 30 minutes
- Standard surface CPL
- Impervious to smoke



#### Design

- Empty housing without rear panel
- Changeable door hinge, optionally right or left
- Door can be removed
- Door opening angle: 180 degree
- Espagnolette closure locking using swivel handle with double-bit semi-cylinders
- Fire protection seal, self-foaming in case of fire
- Cable entry, top and bottom
- Cable cooling duct top and bottom, 100 mm height (EUL31) or 300mm height (EUL91)

#### Surface

- Light grey coating – similar to RAL 7035, edges of contrasting colour
- High chemical resistance
- High mechanical resistance and stability

## Subdistribution boards



Fire protection housing – Sheath housing, IP41, depth 312 mm

Internal dimensions in mm		External dimensions in mm			
H × W × D	H × W × D	Type	Item number	Weight in kg	
<b>Sheath housing, IP41, depth 396 mm</b>					
754 × 504 × 240	898 × 648 × 312	1/0MF302	2CPX043996R9999	95	
904 × 504 × 240	1048 × 648 × 312	1/1MF302	2CPX043997R9999	105	
904 × 754 × 240	1048 × 989 × 312	2/1MF302	2CPX043998R9999	132	
1204 × 504 × 240	1348 × 648 × 312	1/3MF302	2CPX043999R9999	126	



## Subdistribution boards

### Fire protection housing – Accessories

Artikel	External dimensions in mm			Order code	Price	Weight in kg
	H × W × D	Type				
	<b>Fire protection board</b> Back walls are delivered in OH9. For OH8 and for 30min enclosures, the back wall need to be adapted.					
		For 1/8SF and 19SF	BRW19	2CPX043434R9999		67
		For 2/8SF and 2/9SF	BRW29	2CPX043435R9999		110
		For 3/8SF and 3/9SF	BRW39	2CPX043436R9999		152
<b>BRW29</b>						
	<b>Cable cooling covers</b> Included within the delivery, an additional can be required if necessary.					
		1 panel width	300 x 398 x 200	BKF11	2CPX043431R9999	20
		2 panel width	300 x 648 x 200	BKF21	2CPX043432R9999	30
		3 panel width	300 x 898 x 200	BKF31	2CPX043433R9999	39
<b>BKF21</b>						
<b>Accessories supporting IP 54</b>						
	<b>Silicone for sealing the cable entries</b> for protection class IP54		ZB900	2CPX042432R9999		



## Subdistribution boards

### Fire protection housing – Terminal boxes without terminal block




#### Terminal boxes without terminal block KF, IP41

Housing for wall or ceiling mounting

Mounting material for ceiling mounting available on request



#### Main features

- Material with A2 surface coating - non-combustible, tested in accordance with DIN 4102-1
- Fire resistance F30/F90, tested in accordance with DIN 4102-2
- Protection class in accordance with IP41 
- Smoke-tight

#### Structure


- Mounting via 4 holes in the frame corners using the enclosed mounting material
- Mounting to wall or ceiling possible
- Cover screwed with two self-locking nuts
- Cover provided with a handle groove
- Cable entry points from 2 sides
- In case of fire, the cable sheath automatically foams up
- Easy mounting of the fixtures using pre-drilled holes
- Easy insertion and clamping of the cables thanks to a detachable frame plate system (layer structure)

#### Surface


- Color light gray - similar to RAL 7035, with colored edges
- High chemical resistance
- High mechanical strength and stability

## Subdistribution boards

Fire protection housing – Terminal boxes without terminal block, IP41 

Internal dimensions in mm	External dimensions in mm	Cable entry point				Item number	Weight in kg
		W × H	Number	Type			
H × W × D	H × W × D						
<b>Terminal boxes without terminal block, IP41 </b>							
200 × 200 × 84	350 × 350 × 128	50 × 170	2	KF35140	2CPX041092R9999		17
300 × 300 × 84	450 × 450 × 128	50 × 270	2	KF45140	2CPX041093R9999		25
400 × 400 × 84	550 × 550 × 128	50 × 370	2	KF55140	2CPX041094R9999		34



Internal dimensions in mm	External dimensions in mm	Cable entry point				Item number	Weight in kg
		W × H	Number	Type			
H × W × D	H × W × D						
<b>Terminal boxes without terminal block, IP41 </b>							
200 × 200 × 84	350 × 440 × 148	50 × 170	2	KF3590	2CPX043437R9999		17
300 × 300 × 84	450 × 540 × 148	50 × 270	2	KF4590	2CPX043438R9999		25
400 × 400 × 84	550 × 640 × 148	50 × 370	2	KF5590	2CPX043439R9999		34



## Subdistribution boards

### Fire protection housing – Facing doors

#### Facing doors VF IP54

- Fire-resistant and smoke-tight seals
- Panel material with surface coating - non-flammable
- Fire resistance 30 and 90 minutes
- Mounting on different wall constructions



Fire protection facing doors are intended for the separation of existing flush-mounted wall distributions from escape and rescue paths.



## Subdistribution boards

### Fire protection housing – Facing doors

In the standard version, the distributor may protrude 20 mm out of the wall at the most. Old doors should be de-attached and removed.

The facing door must be at least 115 mm above the existing distributor, i.e. this covering dimension plus the door thickness, due to the opening angle, must be maintained around the existing distributor.

If the current distributor protrudes more than 20 mm from the wall, an additional extension frame can be ordered for the facing door.



Tested material with surface coating  
DIN 4102 Part 1; material class A2



Integrated frame with mounting points



Removable stainless steel hinges



Fire and smoke protection seal all around



2-point locking using rod lock



Swivel handle in stainless steel look  
with double bit half-cylinder

## Subdistribution boards

### Fire protection housing – Facing doors



#### Facing doors VF, IP54

Door depth for 30 minutes 51 mm

Door depth for 90 minutes 71 mm

Door mounted in front of existing flush-mounted distributors



#### Function

- Material with A2 surface coating - non-combustible, tested in accordance with DIN 4102-1
- Fire resistance F30/F90, tested in accordance with DIN 4102-2
- Smoke-tight
- Protection class in accordance with IP54

#### Structure

- 1-wing door
- Door opening angle approx. 180 degrees with F30 version, approx. 150 degrees with F90 version
- Door hinge on right
- Surrounding wall compensating frame (W x D: 115 x 28 mm) with mounting holes
- Doors opening onto the frame
- Locking with swivel handle in metal look with DIN half cylinder
- 2-point locking with rod lock
- Stainless steel hinges with push-out axle pin for de-attaching the door wings
- Mounting material: Frame dowels, screws included in scope of delivery

#### Surface

- Color light gray - similar to RAL7035, with colored edges
- High chemical resistance
- High mechanical strength and stability, Brinell hardness 50 N/mm<sup>2</sup>
- High material density 1,450 kg/m<sup>3</sup>
- Surface characteristics based on DIN EN 438-2

#### Additional equipment/options

- Additional compensating frame for larger covers
- A variety of decorative surfaces
- Door hinge on left

## Subdistribution boards

Fire protection housing – Facing doors, IP54, door depth 51 mm and 71 mm

Overall height	Field width	Door hinge	Internal dimensions in mm	External dimensions in mm			Weight in kg
Overall height	FB		H × W × D	H × W × D	Type	Item number	
<b>Facing doors, IP54, door depth 51 mm</b>							
0	1	right	665 × 345 × 0	895 × 575 × 51	1/0VF10	2CPX041048R9999	30
0	2	right	665 × 565 × 0	895 × 795 × 51	2/0VF10	2CPX041049R9999	37
1	2	right	815 × 565 × 0	1045 × 795 × 51	2/1VF10	2CPX041050R9999	42
1	3	right	815 × 815 × 0	1045 × 1045 × 51	3/1VF10	2CPX041051R9999	53
2	2	right	965 × 565 × 0	1195 × 795 × 51	2/2VF10	2CPX041052R9999	47
2	3	right	965 × 815 × 0	1195 × 1045 × 51	3/2VF10	2CPX041053R9999	60
2	4	Double door	965 × 1065 × 0	1195 × 1295 × 51	4/2VF20	2CPX041057R9999	72
3	2	right	1115 × 565 × 0	1345 × 795 × 51	2/3VF10	2CPX043397R9999	58
3	3	right	1115 × 815 × 0	1345 × 1045 × 51	3/3VF10	2CPX043398R9999	71
3	4	Double door	1115 × 1065 × 0	1345 × 1295 × 51	4/3VF20	2CPX041058R9999	80
4	2	right	1265 × 565 × 0	1495 × 795 × 51	2/4VF10	2CPX041054R9999	58
4	3	right	1265 × 815 × 0	1495 × 1045 × 51	3/4VF10	2CPX041055R9999	73
4	4	Double door	1265 × 1065 × 0	1495 × 1295 × 51	4/4VF20	2CPX041059R9999	88
5	2	right	1415 × 565 × 0	1645 × 795 × 51	2/5VF10	2CPX043399R9999	70
5	3	right	1415 × 815 × 0	1645 × 1045 × 51	3/5VF10	2CPX043400R9999	86
5	4	Double door	1415 × 1065 × 0	1645 × 1295 × 51	4/5VF20	2CPX043401R9999	107
8	2	right	1865 × 565 × 0	2095 × 795 × 51	2/8VF10	2CPX041056R9999	79
8	4	Double door	1865 × 1065 × 0	2095 × 1295 × 51	4/8VF20	2CPX041060R9999	119



<b>Facing doors, IP54, door depth 71 mm</b>							
0	1	right	665 × 345 × 22	895 × 575 × 71	1/0VF11	2CPX041061R9999	42
0	2	right	665 × 565 × 22	895 × 795 × 71	2/0VF11	2CPX041062R9999	58
1	2	right	815 × 565 × 22	1045 × 795 × 71	2/1VF11	2CPX041063R9999	67
1	3	right	815 × 815 × 22	1045 × 1045 × 71	3/1VF11	2CPX041064R9999	86
2	2	right	965 × 565 × 22	1195 × 795 × 71	2/2VF11	2CPX041065R9999	76
2	3	right	965 × 815 × 22	1195 × 1045 × 71	3/2VF11	2CPX041066R9999	97
2	4	Double door	965 × 1065 × 22	1195 × 1295 × 71	4/2VF21	2CPX041070R9999	118
3	1	right	1115 × 345 × 22	1345 × 575 × 71	1/3VF11	2CPX043402R9999	70
3	2	right	1115 × 565 × 22	1345 × 795 × 71	2/3VF11	2CPX043403R9999	90
3	3	right	1115 × 815 × 22	1345 × 1045 × 71	3/3VF11	2CPX043404R9999	113
3	4	Double door	1115 × 1065 × 22	1345 × 1295 × 71	4/3VF21	2CPX041071R9999	132
4	2	right	1265 × 565 × 22	1495 × 795 × 71	2/4VF11	2CPX041067R9999	94
4	3	right	1265 × 815 × 22	1495 × 1045 × 71	3/4VF11	2CPX041068R9999	120
4	4	Double door	1265 × 1065 × 22	1495 × 1295 × 71	4/4VF21	2CPX041072R9999	146
8	2	right	1865 × 565 × 22	2095 × 795 × 71	2/8VF11	2CPX041069R9999	129
8	4	Double door	1865 × 1065 × 22	2095 × 1295 × 71	4/8VF21	2CPX041073R9999	201



### Important notes

Minimum internal dimension of facing doors = niche dimension of the flush-mounted wall box without flush-mounted frame

Facing door swings over the frame on the hinge side => leave at least 40 mm

## Subdistribution boards

Fire protection housing – Extension frame for facing doors



2/2EF11



4/2EF21

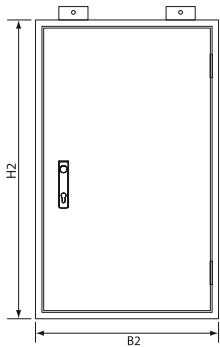
Overall height	Field width	Internal dimensions in mm	External dimensions in mm			Weight in kg
Overall height	FB	H × W × D	H × W × D	Type	Item number	
<b>Extension frame for 1-wing doors</b>						
0	1	665 × 345 × 22	895 × 575 × 22	1/0EF11	2CPX041074R9999	10
0	2	665 × 565 × 22	895 × 795 × 22	2/0EF11	2CPX041075R9999	12
1	2	815 × 565 × 22	1045 × 795 × 22	2/1EF11	2CPX041076R9999	13
1	3	815 × 815 × 22	1045 × 1045 × 22	3/1EF11	2CPX041077R9999	15
2	2	965 × 565 × 22	1195 × 795 × 22	2/2EF11	2CPX041078R9999	14
2	3	965 × 815 × 22	1195 × 1045 × 22	3/2EF11	2CPX041079R9999	16
4	2	1265 × 565 × 22	1495 × 795 × 22	2/4EF11	2CPX041080R9999	17
4	3	1265 × 815 × 22	1495 × 1045 × 22	3/4EF11	2CPX041081R9999	19
8	2	1865 × 565 × 22	2095 × 795 × 22	2/8EVF1	2CPX041082R9999	22
<b>Extension frame for 2-wing doors</b>						
2	4	965 × 1065 × 22	1195 × 1295 × 22	4/2EF21	2CPX041083R9999	18
3	4	1115 × 1065 × 22	1345 × 1295 × 22	4/3EF21	2CPX041084R9999	20
4	4	1265 × 1065 × 22	1495 × 1295 × 22	4/4EF21	2CPX041085R9999	21
8	4	1865 × 1065 × 22	2095 × 1295 × 22	4/8EF21	2CPX041086R9999	26



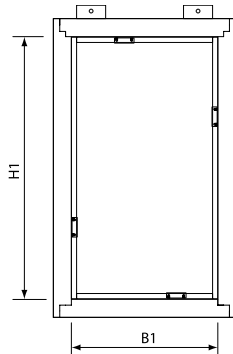
## Subdistribution boards

Flush-mounted wall housing – Dimensions, weights, power loss

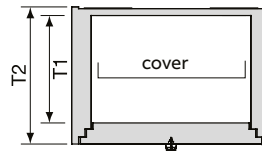
Front view



Internal view



Top view



Type	Internal dimensions in mm	External dimensions in mm	Weight in kg	Permissible power dissipation (W) at 25 °C ambient temperature
	H1 × W1 × D1	H2 × W2 × D2		W
1/0UF2020	600 × 250 × 138	682 × 332 × 205	41	11
1/0UF2120	600 × 250 × 138	682 × 332 × 205	41	11
2/0UF2020	600 × 500 × 138	682 × 582 × 205	58	22
2/0UF2120	600 × 500 × 138	682 × 582 × 205	58	22
1/2UF2020	900 × 250 × 138	982 × 332 × 205	55	16
1/2UF2120	900 × 250 × 138	982 × 332 × 205	55	16
2/2UF2020	900 × 500 × 138	982 × 582 × 205	80	32
2/2UF2120	900 × 500 × 138	982 × 582 × 205	80	32



1/0UF2021	600 × 250 × 118	682 × 332 × 205	49	9
1/0UF2121	600 × 250 × 118	682 × 332 × 205	49	9
2/0UF2021	600 × 500 × 118	682 × 582 × 205	70	19
2/0UF2121	600 × 500 × 118	682 × 582 × 205	70	19
1/2UF2021	900 × 250 × 118	982 × 332 × 205	67	14
1/2UF2121	900 × 250 × 118	982 × 332 × 205	67	14
2/2UF2021	900 × 500 × 118	982 × 582 × 205	99	28
2/2UF2121	900 × 500 × 118	982 × 582 × 205	99	28

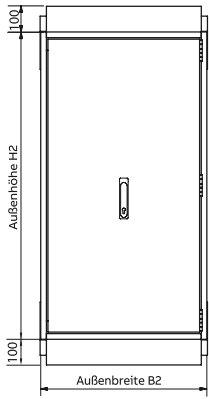




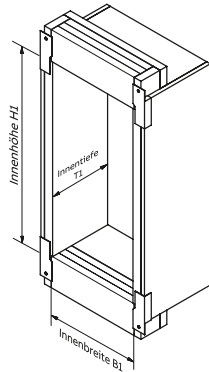
## Subdistribution boards

Sheath housing/cooling shutters – Dimensions, weights, power loss

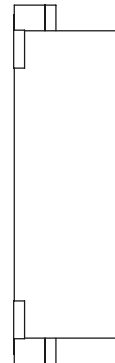
Front view



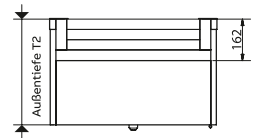
Internal view



Side view



Top view

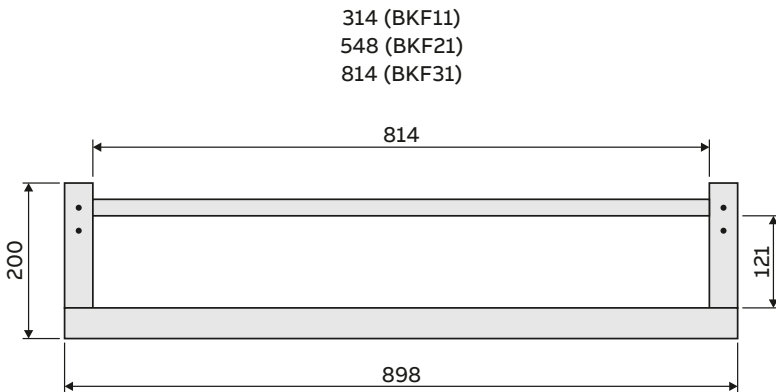


Type	Internal dimensions in mm	External dimensions in mm	Weight in kg	Permissible power dissipation (W) at 25 °C ambient temperature
	H1 × W1 × D1	H2 × W2 × D2	W	W
1/0MF302	754 x 504 x 240	898 x 648 x 312	95	27
1/1MF302	904 x 504 x 240	1048 x 648 x 312	105	31
2/1MF302	904 x 754 x 240	1048 x 989 x 312	132	41
1/3MF302	1204 x 504 x 240	1348 x 648 x 312	126	39



### Cable sleeves

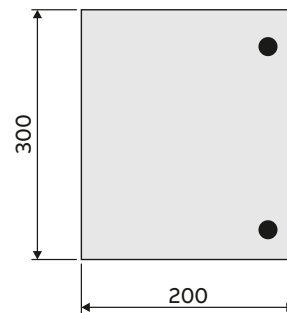
Top view



314 (BKF11)  
548 (BKF21)  
814 (BKF31)

398 (BKF11)  
648 (BKF21)  
898 (BKF31)

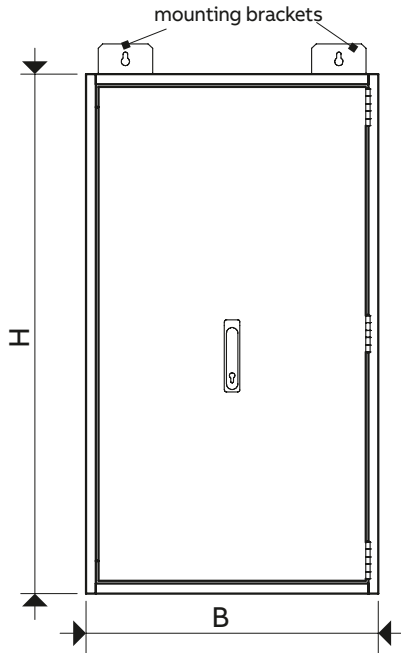
Side view



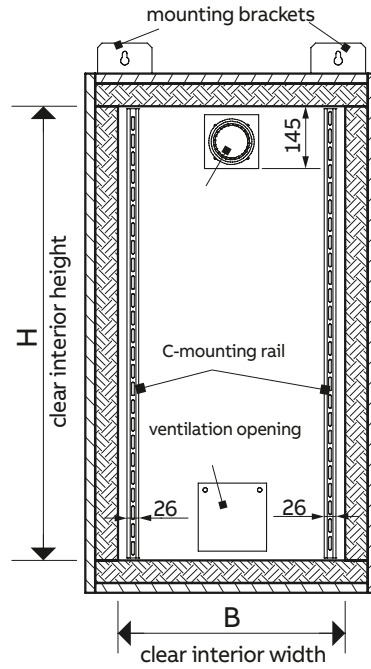
## Subdistribution boards

Surface-mount wall housing – Dimensions, weights, power loss

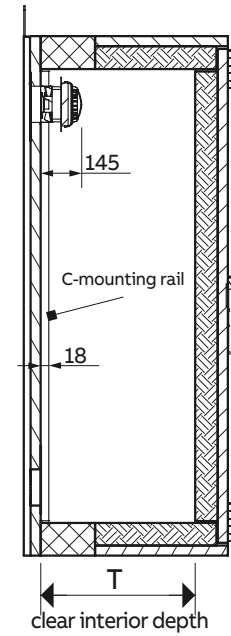
Front view



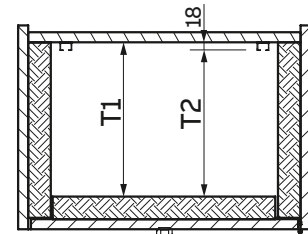
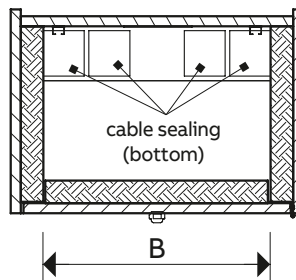
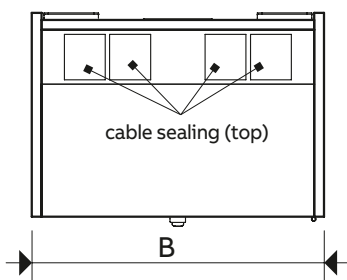
Internal view



Side view



Top view



External depth of housing 349 mm

Internal depth of housing T1 240 mm

Usable internal depth T2 222 mm

## Subdistribution boards

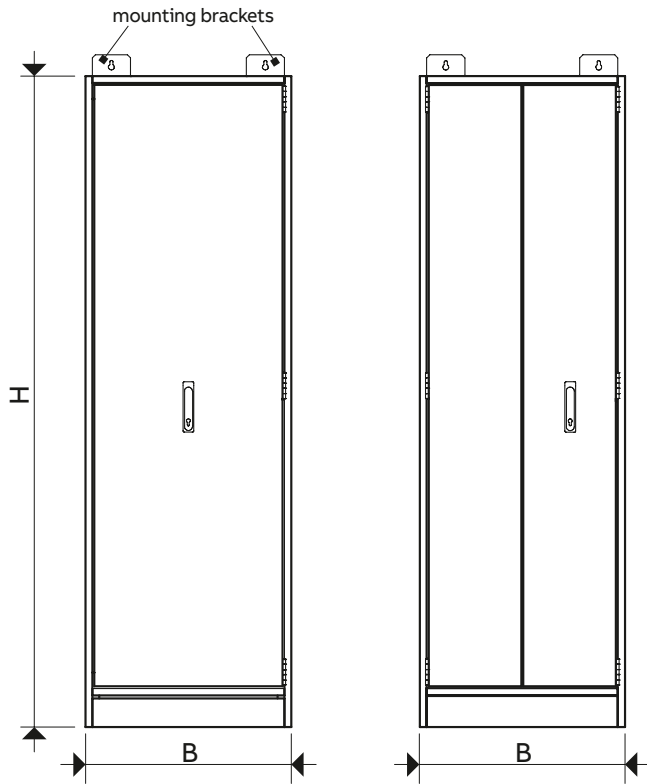
Surface-mount wall housing – Dimensions, weights, power loss

Article	External dimensions in mm		Weight in kg	Power dissipation
	H1 × W1 × D1	H2 × W2 × D2		
1/00AF3 ...	598 × 398 × 349	454 × 254 × 240	51	171
2/00AF3 ...	598 × 648 × 349	454 × 504 × 240	71	185
1/0AF3 ...	748 × 398 × 349	604 × 254 × 240	62	177
2/0AF3 ...	748 × 648 × 349	604 × 504 × 240	85	195
1/1AF3 ...	898 × 398 × 349	754 × 254 × 240	73	182
2/1AF3 ...	898 × 648 × 349	754 × 504 × 240	99	205
1/2AF3 ...	1048 × 398 × 349	904 × 254 × 240	83	188
2/2AF3 ...	1048 × 648 × 349	904 × 504 × 240	114	214
1/3AF3 ...	1198 × 398 × 349	1054 × 254 × 240	94	194
2/3AF3 ...	1198 × 648 × 349	1054 × 504 × 240	128	224
3/3AF3 ...	1198 × 898 × 349	1054 × 754 × 240	163	253
2/4AF3 ...	1348 × 648 × 349	1204 × 504 × 240	143	233
2/5AF3 ...	1498 × 648 × 349	1354 × 504 × 240	157	243

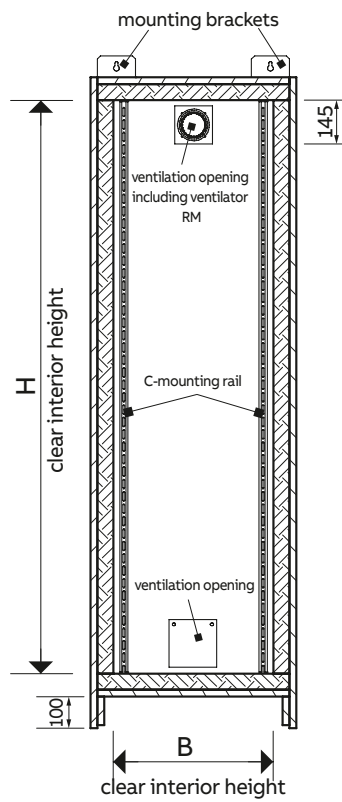
## Subdistribution boards

Standing housing – Dimensions, weights, power loss

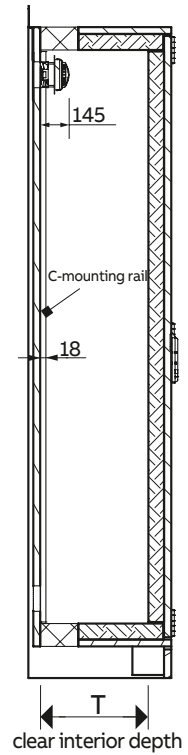
Front view



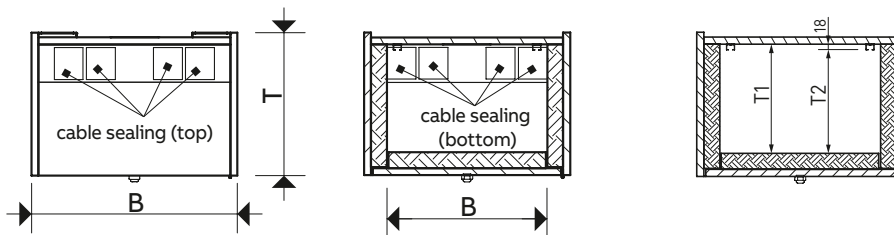
Internal view



Side view



Top view



External depth of housing 349 mm

Internal depth of housing T1 240 mm

Usable internal depth T2 222 mm

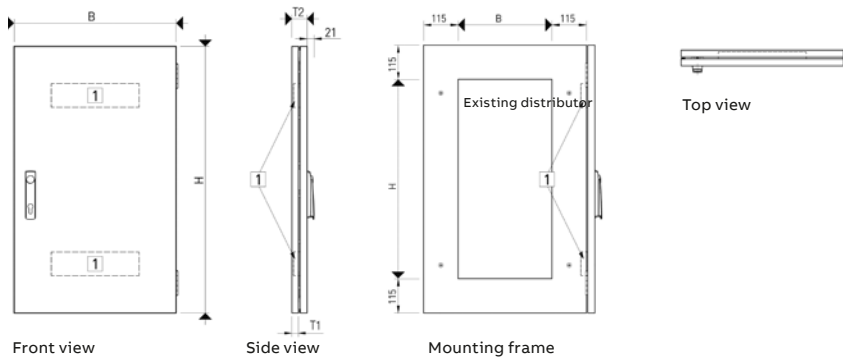
## Subdistribution boards

Standing housing – Dimensions, weights, power loss

Type	External dimensions in mm	Internal dimensions in mm	Weight in kg	Power dissipation
	H1 × W1 × D1	H2 × W2 × D2		Pv max. (W)
1/8SF3 ...	2048 × 398 × 349	1804 × 254 × 240	152	224
2/8SF3 ...	2048 × 648 × 349	1804 × 504 × 240	206	272
3/8SF3 ...	2048 × 898 × 349	1804 × 754 × 240	259	319
1/9SF3 ...	2198 × 398 × 349	1954 × 254 × 240	163	229
2/9SF3 ...	2198 × 648 × 349	1954 × 504 × 240	220	281
3/9SF3 ...	2198 × 898 × 349	1954 × 754 × 240	278	333

# Subdistribution boards

## Facing doors – Dimensions

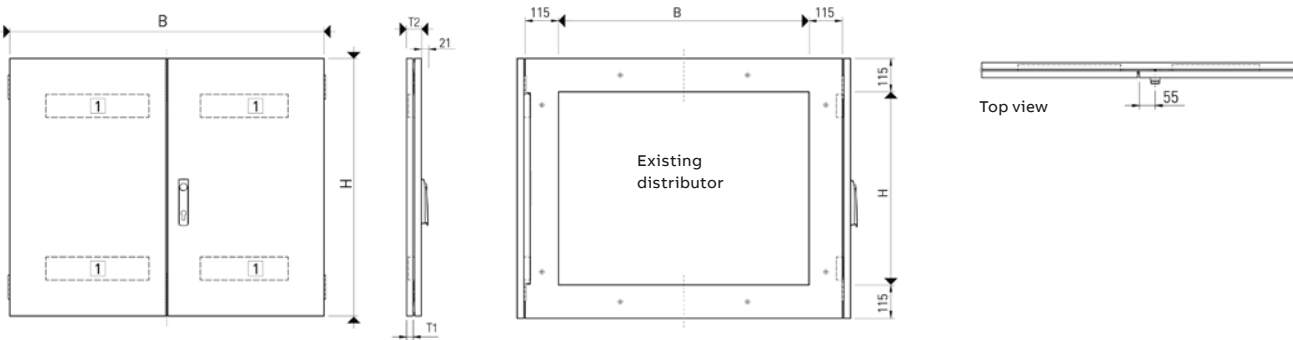


Front view

Side view

Mounting frame

Top view

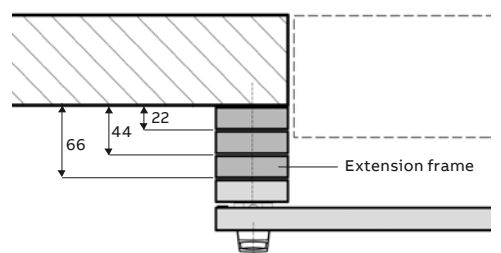


Front view

Side view

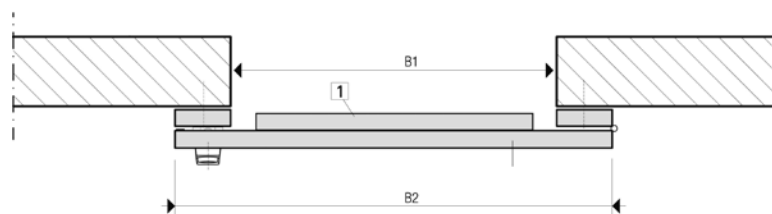
Mounting frame

Top view

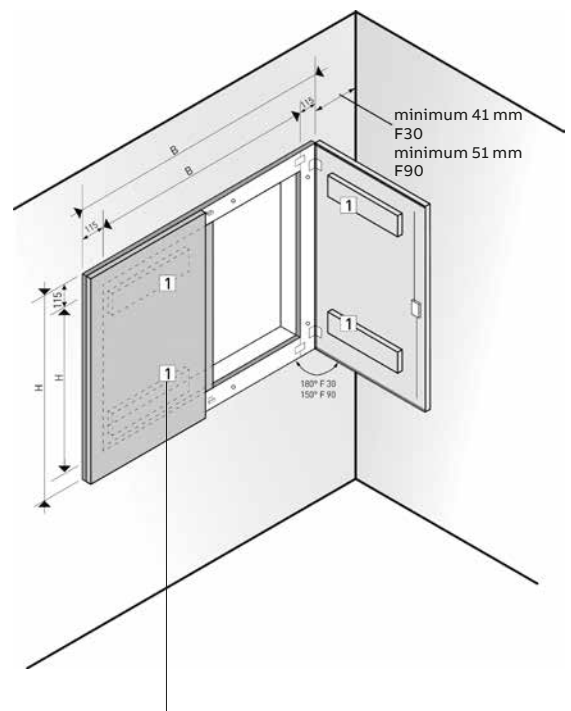


max. 3 additional extension frames (66 mm)

with 1-wing or 2-wing door



Facing door with mounting frame  
 Door swivels over the frame on the hinge side.  
 Leave at least 41/51 mm distance from the wall.



1 Bar above and below on the inside of the door, only for 30-minute design.

## Subdistribution boards

### Facing doors – Dimensions

Type	Internal dimensions in mm			External dimensions in mm		
	H1	B1	D1	H2	W2	D2
1/0VF10	665	345	0	895	575	51
2/0VF10	665	565	0	895	795	51
2/1VF10	815	565	0	1045	795	51
3/1VF10	815	815	0	1045	1045	51
2/2VF10	965	565	0	1195	795	51
3/2VF10	965	815	0	1195	1045	51
2/3VF10	1115	565	0	1345	795	51
3/3VF10	1115	815	0	1345	1045	51
2/4VF10	1265	565	0	1495	795	51
3/4VF10	1265	815	0	1495	1045	51
2/5VF10	1415	565	0	1645	795	51
3/5VF10	1415	815	0	1645	1045	51
2/8VF10	1865	565	0	2095	795	51
1/0VF11	665	345	22	895	545	71
2/0VF11	665	565	22	895	795	71
2/1VF11	815	565	22	1045	795	71
3/1VF11	815	815	22	1045	1045	71
2/2VF11	965	565	22	1195	795	71
3/2VF11	965	815	22	1195	1045	71
1/3VF11	1115	345	22	1345	575	71
2/3VF11	1115	565	22	1345	795	71
3/3VF11	1115	815	22	1345	1045	71
2/4VF11	1265	565	22	1495	795	71
3/4VF11	1265	815	22	1495	1045	71
2/8VF11	1865	565	22	2095	795	71
4/2VF20	965	1065	0	1195	1295	51
4/3VF20	1115	1065	0	1345	1295	51
4/4VF20	1265	1065	0	1495	1295	51
4/5VF20	1415	1065	0	1645	1295	51
4/8VF20	1865	1065	0	2095	1295	51
4/2VF21	965	1065	22	1195	1295	71
4/3VF21	1115	1065	22	1345	1295	71
4/4VF21	1265	1065	22	1495	1295	71
4/8VF21	1865	1065	22	2095	1295	71

## Subdistribution boards

System pro E<sup>®</sup> energy

The complete cabinet system ...

The System pro E<sup>®</sup> energy range includes two types of cabinets and one internal configuration system.



### System pro E<sup>®</sup> energy L

Tailored and proven wall mounted and floor standing sub distribution boards up to 800 A.

Delivered in flat kits, System pro E<sup>®</sup> energy L provides a protection degree up to IP43 (IP30 without the door).



### System pro E<sup>®</sup> energy M

Monoblock cabinet with attachable side panels, available in both configurations: wall mounted and floor standing.

System pro E<sup>®</sup> energy M sub distribution boards provide a protection degree up to IP55 (IP30 without the door).



### System pro E<sup>®</sup> energy Combi

The common internal configuration system facilitates the installation of a wide range of ABB Low Voltage devices based on its modular system, delivered in flat packs.



# Subdistribution boards

## System pro E<sup>®</sup> energy Product benefits



### Easy, Simple and Flexible

- Cabinets of 400, 600 and 800 mm width. The 800 mm wide cabinets can incorporate an integrated cable compartment.
- Heights available from 600 up to 2000 mm, always with a common depth of 250 mm, horizontal coupling of 2 or more cabinets possible
- Modular concept: all functional units in steps of 50mm in height
- The busbars can be assembled vertically or horizontally
- Only one type of tool is required for the assembly of the cabinets

### Innovative cable entry and ease of installation

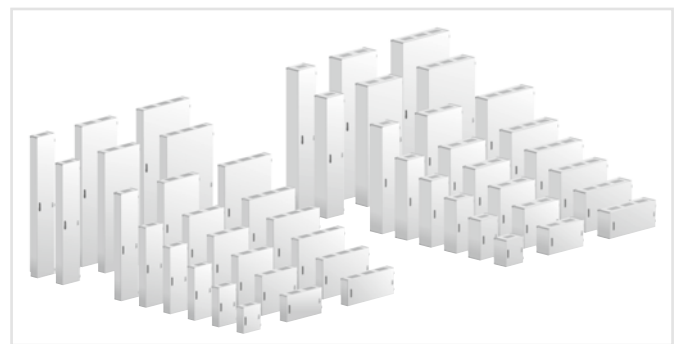
Several options provide the right solution for any kind of wiring application. System pro E<sup>®</sup> energy offers the options of cabinets with the top and bottom in different executions: plain with pre-knockouts for flanges, big opening.

The wide range of flange types provides the right solution for every application. The flanges can be attached without the need of tools. System pro E<sup>®</sup> energy offers unrestricted access during operation, expansion, maintenance and functional monitoring.

### Plinth

The common plinth for System pro E<sup>®</sup> energy L and M has a height of 100 mm, and up to 3 of them can be stacked without any additional accessories.

The plinth consists of corner parts and lateral, front and back covers. Removing the front and back panels simplifies the panel's transportation and provides the required accessibility for the wiring in the final installation. The same applies to coupled cabinets, the removal of the internal lateral covers enables the cross-wiring between cabinets.



01



02



04



03



05

01 Complete range

02 Innovative cable entry

03 Easy assembly of plinth

04 Top and bottom cable entries

05 Easy assemble by one tool

# Subdistribution boards

## System pro E<sup>®</sup> energy Product benefits



### Quick to assemble

- Assembly can be done by a single person
- Tool-free snap-on system thanks to click-in supports for DIN-rails, mounting plates, busbar holders, etc.
- Pre-assembled handles with ¼ turn screws for cover plates
- System pro E<sup>®</sup> energy Combi provides a time-saving installation due to the hook-in technology. This quick assembly limits the numbers of screws.
- Guiding ledges in back panel for top and side panel fixation
- Generous wiring space, enough for vertical cable ducts of 80 mm width on each side
- Markings in the fixation profiles to quickly position the functional units and cover plates
- Frame allowing the removal of all cover plates at the same time
- Innovative flange technology with tool-free installation

### Door ready to mount

- Common doors for System pro E<sup>®</sup> energy L and M
- Choose between plain and transparent doors for all cabinet widths
- PUR gasket to guarantee perfect closing and the protection degree
- 3 point locking system already mounted
- Easy and quick mounting without tools
- 130° opening angle
- Handle with several inserts available to adapt to the needs of each customer's individual requirements



01



04



02



05



03

01 Tool-free snap-on system thanks to click-in support / spring

02 Adjustable bracket

03 Removable cover

04 Pre-assembled cover locks with 1/4 turn lock.

05 Steel door and glass door ready for mounting

# Subdistribution boards

## System pro E<sup>®</sup> energy Product benefits



### Safe for users, reliable and sturdy

The combination of the System pro E<sup>®</sup> energy cabinets and ABB's low voltage devices are certified according to the standard IEC 61439-2 / -3 and IEC62208

#### Protection degree against dust and liquids:

- System pro E<sup>®</sup> energy L: up to IP43
- System pro E<sup>®</sup> energy M: up to IP55

#### Strong mechanical construction

- Back panel galvanized sheet steel 1.5mm thick
- Internal corner parts to fasten the external panels, the frame of the cover plates and to execute the horizontal coupling of the cabinets
- Vertical profiles to fasten the mounting plates and isolator mounted at the back panel providing additional rigidity
- External panels sheet steel, powder coated
- Optional horizontal reinforcement for coupled cabinets
- Internal segregation up to Form 2b
- Tempered glass for the transparent door



—  
01



—  
02

—  
01 Easy assembly from side-by-side

—  
02 Internal corner part

## Subdistribution boards

System pro E<sup>®</sup> energy L  
System overview



Back and side panels

+



Top and Bottom

+



Plinth

+



Integrated cable compartment

+



Functional units

+



Busbars

+



Door

+



Cable flanges

## Subdistribution boards

System pro E® energy L

System overview

### Cabinets: Back panel + Side panels

- Back panel, sendzimir zinc plated steel 1.5 mm
- Side panels, epoxy-polyester coated sheet steel 1.2 mm
- 4 internal corner parts
- Profiles to fix the functional units (mounting plates, DIN rail, busbar isolators...)
- Frame to fix the cover plates
- Required hardware

### Extensions: Back panel + coupling profiles

- Back panel, sendzimir zinc plated steel 1.5 mm
- 4 internal corner parts
- Profiles to fix the functional units (mounting plate, DIN rail, busbar isolators...)
- Frame to fix the cover plates
- Coupling profiles and accessories
- Required hardware

### Top & Bottom

#### 2 different options:

- With a wide opening to maximize the entry surface
- Plain with knock-outs for cable flanges

The kit includes 1 unit of the selected top and bottom, with all the required fixation hardware.

**It's required to order 2 top & bottom per cabinet.**

### Plinth

- 100 mm height
- Stackable up to 3: 300 mm, without accessories
- Front, back and side covers removable
- Easy to fix
- Hardware to fix to the cabinet included

### Integrated cable compartment

#### Possible to add an integrated cable compartment in the 800mm wide cabinets

- Profiles and cover plates to build the integrated cable compartment

### Interior fitting: Modular distribution panel system

- Pre-assembled quick mounting system to fix the isolators for the busbars, DIN-rails, mounting plates, covers, etc. See chapter for System pro E® energy Combi (page 317)

### Plain or transparent doors

- 3 point locking system already mounted
- PUR gasket to guarantee perfect closing and the protection degree
- 130° opening angle
- Swing handle for 1 400 mm and higher doors
- Wide range of accessories

### Plastic or metal flanges

- Wide choice of cable flanges
- Metal flanges for wide cable opening

## Subdistribution boards

System pro E® energy L

System overview



System pro E® energy L

Cabinet type	Cabinet: backpanel + side panels			Extension: Back panel + horizontal coupling			
	Depth	250mm			250mm		
Width	400	600	800	400	600	800	
Height	600	-	■	■	■	■	■
	800	-	■	■	■	■	■
	1 000	-	■	■	■	■	■
	1 200	-	■	■	■	■	■
	1 400	-	■	■	■	■	■
	1 600	-	■	■	■	■	■
	1 800	-	■	■	■	■	■
	2 000	-	■	■	■	■	■

> Dimensions in mm

## Subdistribution boards

System pro E® energy L

Technical specifications and product features

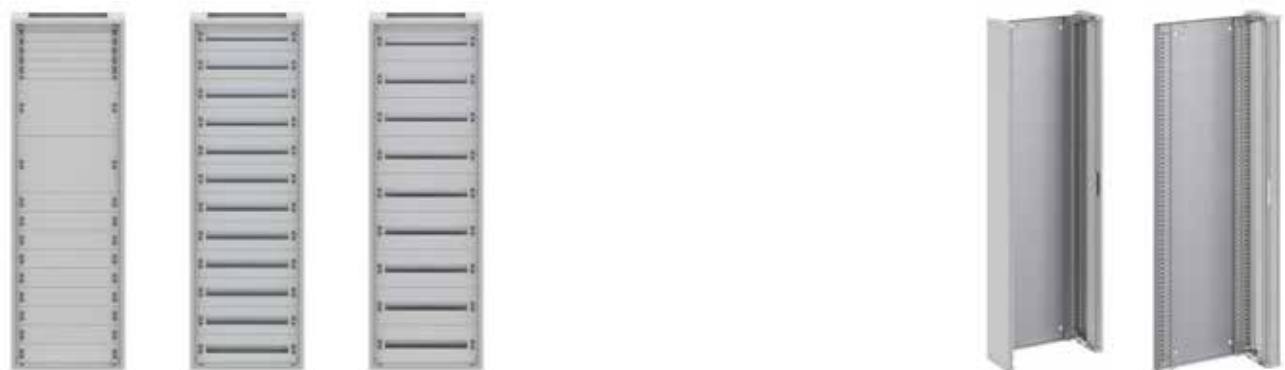
Technical specifications	
Standards / requirements	IEC 61439 -1/-2/-3* and IEC62208
Protection Class	Class I, earthed
Pollution degree	2
Segregation	Form 1 and Form 2
Degree of protection	IP43 Without door IP30
Mechanical impact Strength	IK 07- knock outs IK 08 - without door, transparent door IK 09 - plain door & side panels
Conditions of installation	Indoor installation Ambient air temperature max. +40 °C Ambient air temperature min. -5 °C Operating temperature max. +55 °C Storage temperature max. +55 °C Storage temperature min. -40 °C
Rated current ( $I_n$ )	800 A
Rated operationa voltage ( $U_g$ )	415 V
Rated insulation voltage ( $U_i$ )	1 000 V
Rated short-circuit current ( $I_{cw}$ )	32 kA/1s
Rated current of busbar systems	800 A in IP43

Product features	
Housing and door	Color RAL 7035
Rear panel & mounting profiles	Sendzimir zinc plated steel 1.5 mm
Side, top and bottom panel	Epoxy-polyester coated sheet steel 1.2 mm
Plain door	Epoxy-polyester coated sheet steel 1.5 mm
Transparent door	Epoxy-polyester coated sheet steel 1.5 mm and safety glass 3 mm thick
Cover plates	Epoxy-polyester coated sheet steel 1 mm
Door opening angle: 130°	
Doors with espagnolette closure, 3 points locking system	
Doors for wall-mounted cabinets: with latch plate and 3 mm double bit pin	
Doors for floor-standing cabinets: with swing handle and 3 mm double bit pin	
Assembly options	Prepared to be fitted with System Pro E® energy Combi modules and mounting plates
Forms of delivery	Flat kits

## Subdistribution boards

System pro E<sup>®</sup> energy L

Selection table for wall and floor version System IP43, flatpack



### Width = 400 mm

Height	No. Mod. DIN	No. Mod. DIN	Dimension Internal	Dimension External	Order Code	Order Code
	H= 150 mm	H= 200 mm	H×W×D (mm)	H×W×D (mm)	Basic	Extention
600	4 row (48 Mod)	3 row (36 Mod)	600×329×193	649×384×250	Q843B406	Q843E406
800	5 row (60 Mod)	4 row (48 Mod)	800×329×193	849×384×250	Q843B408	Q843E408
1000	6 row (72 Mod)	5 row (60 Mod)	100×329×193	1049×384×250	Q843B410	Q843E410
1200	8 row (96 Mod)	6 row (72 Mod)	1200×329×193	1249×384×250	Q843B412	Q843E412
1400	9 row (108 Mod)	7 row (84 Mod)	1400×329×193	1449×384×250	Q843B414	Q843E414
1600	10 row (120 Mod)	8 row (96 Mod)	1600×329×193	1649×384×250	Q843B416	Q843E416
1800	12 row (144 Mod)	9 row (108 Mod)	1800×329×193	1849×384×250	Q843B418	Q843E418
2000	13 row (156 Mod)	10 row (120 Mod)	2000×329×193	2049×384×250	Q843B420	Q843E420

### Width = 600 mm

Height	No. Mod. DIN	No. Mod. DIN	Dimension Internal	Dimension External	Order Code	Order Code
	H= 150 mm	H= 200 mm	H×W×D (mm)	H×W×D (mm)	Basic	Extention
600	4 row (96 Mod)	3 row (72 Mod)	600×545×193	649×600×250	Q843B606	Q843E606
800	5 row (120 Mod)	4 row (96 Mod)	800×545×193	849×600×250	Q843B608	Q843E608
1000	6 row (144 Mod)	5 row (120 Mod)	1000×545×193	1049×600×250	Q843B610	Q843E610
1200	8 row (192 Mod)	6 row (144 Mod)	1200×545×193	1249×600×250	Q843B612	Q843E612
1400	9 row (216 Mod)	7 row (168 Mod)	1400×545×193	1449×600×250	Q843B614	Q843E614
1600	10 row (240 Mod)	8 row (192 Mod)	1600×545×193	1649×600×250	Q843B616	Q843E616
1800	12 row (288 Mod)	9 row (216 Mod)	1800×545×193	1849×600×250	Q843B618	Q843E618
2000	13 row (312 Mod)	10 row (240 Mod)	2000×545×193	2049×600×250	Q843B620	Q843E620

### Width = 800 mm

Height	No. Mod. DIN	No. Mod. DIN	Dimension Internal	Dimension External	Order Code	Order Code
	H= 150 mm	H= 200 mm	H×W×D (mm)	H×W×D (mm)	Basic	Extention
600	4 row (144 Mod)	3 row (108 Mod)	600×761×193	649×816×250	Q843B806	Q843E806
800	5 row (180 Mod)	4 row (144 Mod)	800×761×193	849×816×250	Q843B808	Q843E808
1000	6 row (216 Mod)	5 row (180 Mod)	1000×761×193	1049×816×250	Q843B810	Q843E810
1200	8 row (288 Mod)	6 row (216 Mod)	1200×761×193	1249×816×250	Q843B812	Q843E812
1400	9 row (324 Mod)	7 row (252 Mod)	1400×761×193	1449×816×250	Q843B814	Q843E814
1600	10 row (360 Mod)	8 row (288 Mod)	1600×761×193	1649×816×250	Q843B816	Q843E816
1800	12 row (432 Mod)	9 row (324 Mod)	1800×761×193	1849×816×250	Q843B818	Q843E818
2000	13 row (468 Mod)	10 row (360 Mod)	2000×761×193	2049×8160×250	Q843B820	Q843E820



## Subdistribution boards

System pro E® energy L

Selection table for wall and floor version System IP43, flatpack



Top/Bottom Flanges	Type of flanges	Top/Bottom with big openings for Big openings	Type of covers for Big openings	Plinth	Metal door	Glass door	Internal cable compartment
Q843T411	Page 18/336 Flanges	Q843T421	Page 18/337 Flanges	Q855P401	Q855D406	Q855G406	
					Q855D408	Q855G408	
					Q855D410	Q855G410	
					Q855D412	Q855G412	
					Q855D414	Q855G414	
					Q855D416	Q855G416	
					Q855D418	Q855G418	
					Q855D420	Q855G420	
Top/Bottom Flanges	Type of flanges	Top/Bottom with big openings for Big openings	Type of covers for Big openings	Plinth	Metal door	Glass door	Internal cable compartment
Q843T611	Page 18/336 Flanges	Q843T621	Page 18/337 Flanges	Q855P601	Q855D606	Q855G606	
					Q855D608	Q855G608	
					Q855D610	Q855G610	
					Q855D612	Q855G612	
					Q855D614	Q855G614	
					Q855D616	Q855G616	
					Q855D618	Q855G618	
					Q855D620	Q855G620	
Top/Bottom Flanges	Type of flanges	Top/Bottom with big openings for Big openings	Type of covers for Big openings	Plinth	Metal door	Glass door	Internal cable compartment
Q843T811	Page 18/336 Flanges	Q843T821	Page 18/337 Flanges	Q855P801	Q855D806	Q855G806	Q830I206
					Q855D808	Q855G808	Q830I208
					Q855D810	Q855G810	Q830I210
					Q855D812	Q855G812	Q830I212
					Q855D814	Q855G814	Q830I214
					Q855D816	Q855G816	Q830I216
					Q855D818	Q855G818	Q830I218
					Q855D820	Q855G820	Q830I220

## Subdistribution boards

System pro E<sup>®</sup> energy L

Order codes



### Cabinets: Back panel + Side panels

- Back panel
- Side panels
- 4 corner parts profiles to fix the functional units (mounting plates, DIN rail, busbar isolators...)

#### Cabinets: Back panel + side panels

Width in mm		400		600		800	
Height in mm	Type code	Order code	Type code	Order code	Type code	Order code	
600	Q843B406	1SZE430800B0010	Q843B606	1SZE430800B0090	Q843B806	1SZE430800B0170	
800	Q843B408	1SZE430800B0020	Q843B608	1SZE430800B0100	Q843B808	1SZE430800B0180	
1000	Q843B410	1SZE430800B0030	Q843B610	1SZE430800B0110	Q843B810	1SZE430800B0190	
1200	Q843B412	1SZE430800B0040	Q843B612	1SZE430800B0120	Q843B812	1SZE430800B0200	
1400	Q843B414	1SZE430800B0050	Q843B614	1SZE430800B0130	Q843B814	1SZE430800B0210	
1600	Q843B416	1SZE430800B0060	Q843B616	1SZE430800B0140	Q843B816	1SZE430800B0220	
1800	Q843B418	1SZE430800B0070	Q843B618	1SZE430800B0150	Q843B818	1SZE430800B0230	
2000	Q843B420	1SZE430800B0080	Q843B620	1SZE430800B0160	Q843B820	1SZE430800B0240	



### Extensions: Back panel + coupling profiles

- Back panel
- 4 internal corner parts
- Profiles to fix the functional units (mounting plates, DIN rail, busbar isolators...)
- Coupling profiles and accessories

#### Extensions: Back panel + coupling

Width in mm		400		600		800	
Height in mm	Type code	Order code	Type code	Order code	Type code	Order code	
600	Q843E406	1SZE430801B0010	Q843E606	1SZE430801B0090	Q843E806	1SZE430801B0170	
800	Q843E408	1SZE430801B0020	Q843E608	1SZE430801B0100	Q843E808	1SZE430801B0180	
1000	Q843E410	1SZE430801B0030	Q843E610	1SZE430801B0110	Q843E810	1SZE430801B0190	
1200	Q843E412	1SZE430801B0040	Q843E612	1SZE430801B0120	Q843E812	1SZE430801B0200	
1400	Q843E414	1SZE430801B0050	Q843E614	1SZE430801B0130	Q843E814	1SZE430801B0210	
1600	Q843E416	1SZE430801B0060	Q843E616	1SZE430801B0140	Q843E816	1SZE430801B0220	
1800	Q843E418	1SZE430801B0070	Q843E618	1SZE430801B0150	Q843E818	1SZE430801B0230	
2000	Q843E420	1SZE430801B0080	Q843E620	1SZE430801B0160	Q843E820	1SZE430801B0240	



### Top & Bottom

#### 2 different options:

- Plain with knock-outs for cable flanges
  - With a wide opening to maximize the entry surface
- The kit includes 1 unit of the selected top and bottom, with all the required fixation hardware

**It's required to order 2 top & bottom per cabinet**

#### Top & Bottom

Cabinet width, in mm	400			600			800		
	Type code	Order code	Units	Type code	Order code	Units	Type code	Order code	Units
Plain with pre-knock outs	Q843T411	1SZE430802B0010	1	Q843T611	1SZE430802B0011	1	Q843T811	1SZE430802B0012	1
BIG Entry space	Q843T421	1SZE430802B0013	1	Q843T621	1SZE430802B0014	1	Q843T821	1SZE430802B0015	1

## Subdistribution boards

System pro E<sup>®</sup> energy L

Order codes



### Integrated cable compartment

Possible to add an integrated cable compartment in the 800mm wide cabinets

- Profiles and cover plates to build the integrated cable compartment

Integrated cable compartment			
Width in mm			800
Height in mm	Type code	Order code	
600	Q830I206	1SZE990930B0010	
800	Q830I208	1SZE990930B0020	
1000	Q830I210	1SZE990930B0030	
1200	Q830I212	1SZE990930B0040	
1400	Q830I214	1SZE990930B0050	
1600	Q830I216	1SZE990930B0060	
1800	Q830I218	1SZE990930B0070	
2000	Q830I220	1SZE990930B0080	



### Plinth

- 100 mm height
- Stackable up to 3: 300 mm, without accessories
- Front, back and side covers removable
- Harder to fix to the cabinet included

Plinth						
Cabinet width in mm	400		600		800	
	Type code	Order code	Type code	Order code	Type code	Order code
Plinth 100 mm height	Q855P401	1SZE990940B0010	Q855P601	1SZE990940B0020	Q855P801	1SZE990940B0030

## Subdistribution boards

System pro E® energy L

Order codes



### Plain or transparent doors

- 3 point locking system already mounted
- PUR gasket to guarantee perfect closing and the protection degree
- 130° opening angle
- PUR gasket
- Swing handle for 1 400 mm and higher doors
- Wide range of accessories
- 2 time hinged up to 1200 mm, 3 times from 1400 mm

Doors plain						
Width in mm	400		600		800	
Cabinet height, in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q855D406	1SZE990910B0010	Q855D606	1SZE990910B0090	Q855D806	1SZE990910B0170
800	Q855D408	1SZE990910B0020	Q855D608	1SZE990910B0100	Q855D808	1SZE990910B0180
1000	Q855D410	1SZE990910B0030	Q855D610	1SZE990910B0110	Q855D810	1SZE990910B0190
1200	Q855D412	1SZE990910B0040	Q855D612	1SZE990910B0120	Q855D812	1SZE990910B0200
1400	Q855D414	1SZE990910B0050	Q855D614	1SZE990910B0130	Q855D814	1SZE990910B0210
1600	Q855D416	1SZE990910B0060	Q855D616	1SZE990910B0140	Q855D816	1SZE990910B0220
1800	Q855D418	1SZE990910B0070	Q855D618	1SZE990910B0150	Q855D818	1SZE990910B0230
2000	Q855D420	1SZE990910B0080	Q855D620	1SZE990910B0160	Q855D820	1SZE990910B0240



Doors transparent						
Width in mm	400		600		800	
Cabinet height, in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q855G406	1SZE990920B0010	Q855G606	1SZE990920B0090	Q855G806	1SZE990920B0170
800	Q855G408	1SZE990920B0020	Q855G608	1SZE990920B0100	Q855G808	1SZE990920B0180
1000	Q855G410	1SZE990920B0030	Q855G610	1SZE990920B0110	Q855G810	1SZE990920B0190
1200	Q855G412	1SZE990920B0040	Q855G612	1SZE990920B0120	Q855G812	1SZE990920B0200
1400	Q855G414	1SZE990920B0050	Q855G614	1SZE990920B0130	Q855G814	1SZE990920B0210
1600	Q855G416	1SZE990920B0060	Q855G616	1SZE990920B0140	Q855G816	1SZE990920B0220
1800	Q855G418	1SZE990920B0070	Q855G618	1SZE990920B0150	Q855G818	1SZE990920B0230
2000	Q855G420	1SZE990920B0080	Q855G620	1SZE990920B0160	Q855G820	1SZE990920B0240



## Subdistribution boards

System pro E® energy M

System overview



Monobloc cabinet



Side walls



Plinth



Integrated cable compartment



Functional units



Busbars



Door



Cable flanges

## Subdistribution boards

System pro E® energy M

System overview

### Cabinets: Monoblock

- open sides
- Top: openings for flanges (400 mm) or wide opening (600 & 800 mm)
- Bottom: plain with pre-knock outs for flanges
- Included the frame for the cover plates
- Cabinet can be rotated 180°

### Side panels

- Delivered in 2 units.
- Only required 1 kit per panel (combination of several cabinets coupled horizontaly)

### Integrated cable compartment

**Possible to add an integrated cable compartment in the 800mm wide cabinets**

- Profiles and coverplates to build the integrated cable compartment.

### Interior fitting: functional units and busbars

Kits to fix the isolators for the busbars, the DIN rails, mounting plates...and the covers

See the chapter for System pro E® energy Combi

### Plinth

- 100 mm height
- Stackable up to 3: 300 mm, without accessories
- Front, back and side covers removable
- Easy to fix
- Hardware to fix to the cabinet included

### Door

#### Plain or transparent

- Same doors for IP43 and IP55 cabinets
- 3 points locking system already mounted and PUR gasket
- Mount without tools
- 130° opening angle
- Swing handle for 1 400 mm and higher doors
- Wide range of inserts as accessories

### Flanges

#### Plastic or metal. Same for IP43 and IP55

- Several cable flanges.
- Metal flanges for wide cable opening

## Subdistribution boards

System pro E® energy M

System overview



System pro E® energy M

Cabinet type		Cabinet: Monobloc enclosure with open sides		
Depth		250 mm		
Width		400	600	800
Height	600	■	■	-
	800	■	■	-
	1 000	■	■	■
	1 200	■	■	■
	1 400	■	■	■
	1 600	■	■	■
	1 800	■	■	■
	2 000	■	■	■

> Dimensions in mm



## Subdistribution boards

### System pro E® energy M

#### Technical specifications and product features

Technical specifications	
Standards / requirements	IEC 61439 -1/-2/-3* and IEC62208
Protection Class	Class I, earthed
Pollution degree	2
Segregation	Form 1 and Form 2
Degree of protection	IP55 Without door IP30
Mechanical impact Strength	IK 07 - knock outs IK 08 - without door, transparent door IK 09 - plain door, side panels
Conditions of installation	Indoor installation Ambient air temperature max. +40 °C Ambient air temperature min. -5 °C Operating temperature max. +55 °C Storage temperature max. +55 °C Storage temperature min. -40 °C
Rated current ( $I_n$ )	800 A
Rated operationa voltage ( $U_g$ )	415 V
Rated insulation voltage ( $U_i$ )	1 000 V
Rated short-circuit current ( $I_{cw}$ )	32 kA/1s
Rated current of busbar systems	800 A in IP43

Product features	
Housing and door	Color RAL 7035
Cabinet	Epoxy-polyester coated sheet steel 1.5 mm
Plain door	Epoxy-polyester coated sheet steel 1.5 mm
Side panels and top & bottom	Epoxy-polyester coated sheet steel 1.25 mm
Transparent door	Epoxy-polyester coated sheet steel 1.5 mm and safety glass 3 mm thick
Cover plates	Epoxy-polyester coated sheet steel 1 mm
Door opening angle: 130°	
Doors with espagnolette closure, 3 points locking system	
Doors for wall-mounting cabinets: with latch plate and 3 mm double bit pin	
Doors for floor-standing cabinets: with swing handle and 3 mm double bit pin	
Assembly options	Prepared to be fitted with System Pro E® energy Combi modules and mounting plates
Forms of delivery	Monobloc enclosure with open sides

## Subdistribution boards

System pro E<sup>®</sup> energy M

Selection table for wall and floor version System IP55, Monoblock



### Width = 390 mm

Height	No. Mod. DIN	No. Mod. DIN	Dimension Internal	Dimension External ( without plinth)	Order Code	Order Code
	H= 150 mm	H= 200 mm	H×W×D (mm)	H×W×D (mm)	Basic	Side walls
600	4 row (48 Mod)	3 row (36 Mod)	600×329×193	649×396×250	Q855B406	Q855S006
800	5 row (60 Mod)	4 row (48 Mod)	800×329×193	849×396×250	Q855B408	Q855S008
1000	6 row (72 Mod)	5 row (60 Mod)	100×329×193	1049×396×250	Q855B410	Q855S010
1200	8 row (96 Mod)	6 row (72 Mod)	1200×329×193	1249×396×250	Q855B412	Q855S012
1400	9 row (108 Mod)	7 row (84 Mod)	1400×329×193	1449×396×250	Q855B414	Q855S014
1600	10 row (120 Mod)	8 row (96 Mod)	1600×329×193	1649×396×250	Q855B416	Q855S016
1800	12 row (144 Mod)	9 row (108 Mod)	1800×329×193	1849×396×250	Q855B418	Q855S018
2000	13 row (156 Mod)	10 row (120 Mod)	2000×329×193	2049×396×250	Q855B420	Q855S020

### Width = 600 mm

Height	No. Mod. DIN	No. Mod. DIN	Dimension Internal	Dimension External ( without plinth)	Order Code	Order Code
	H= 150 mm	H= 200 mm	H×W×D (mm)	H×W×D (mm)	Basic	Side walls
600	4 row (96 Mod)	3 row (72 Mod)	600×545×193	649×612×250	Q855B606	Q855S006
800	5 row (120 Mod)	4 row (96 Mod)	800×545×193	849×612×250	Q855B608	Q855S008
1000	6 row (144 Mod)	5 row (120 Mod)	1000×545×193	1049×612×250	Q855B610	Q855S010
1200	8 row (192 Mod)	6 row (144 Mod)	1200×545×193	1249×612×250	Q855B612	Q855S012
1400	9 row (216 Mod)	7 row (168 Mod)	1400×545×193	1449×612×250	Q855B614	Q855S014
1600	10 row (240 Mod)	8 row (192 Mod)	1600×545×193	1649×612×250	Q855B616	Q855S016
1800	12 row (288 Mod)	9 row (216 Mod)	1800×545×193	1849×612×250	Q855B618	Q855S018
2000	13 row (312 Mod)	10 row (240 Mod)	2000×545×193	2049×612×250	Q855B620	Q855S020

### Width = 800 mm

Height	No. Mod. DIN	No. Mod. DIN	Dimension Internal	Dimension External ( without plinth)	Order Code	Order Code
	H= 150 mm	H= 200 mm	H×W×D (mm)	H×W×D (mm)	Basic	Side walls
600	4 row (144 Mod)	3 row (108 Mod)	600×761×193	649×828×250	Q855B806	Q855S006
800	5 row (180 Mod)	4 row (144 Mod)	800×761×193	849×828×250	Q855B808	Q855S008
1000	6 row (216 Mod)	5 row (180 Mod)	1000×761×193	1049×828×250	Q855B810	Q855S010
1200	8 row (288 Mod)	6 row (216 Mod)	1200×761×193	1249×828×250	Q855B812	Q855S012
1400	9 row (324 Mod)	7 row (252 Mod)	1400×761×193	1449×828×250	Q855B814	Q855S014
1600	10 row (360 Mod)	8 row (288 Mod)	1600×761×193	1649×828×250	Q855B816	Q855S016
1800	12 row (432 Mod)	9 row (324 Mod)	1800×761×193	1849×828×250	Q855B818	Q855S018
2000	13 row (468 Mod)	10 row (360 Mod)	2000×761×193	2049×828×250	Q855D820	Q855S020

## Subdistribution boards

System pro E® energy M

Selection table for wall and floor version System IP55, Monoblock



Coupling	Type of flanges	Type of flanges	Plinth	Metal door	Glass door	Internal cable compartment
Q855E00W	Page 18/336 Flanges	Page 18/337 Flanges	Q855P401	Q855D406	Q855G406	
				Q855D408	Q855G408	
Q855E00F	Page 18/336 Flanges	Page 18/337 Flanges	Q855P401	Q855D410	Q855G410	
				Q855D412	Q855G412	
				Q855D414	Q855G414	
				Q855D416	Q855G416	
				Q855D418	Q855G418	
				Q855D420	Q855G420	

Coupling	Type of flanges	Type of flanges	Plinth	Metal door	Glass door	Internal cable compartment
Q855E00W	Page 18/336 Flanges	Page 18/337 Flanges	Q855P601	Q855D606	Q855G606	
				Q855D608	Q855G608	
Q855E00F	Page 18/336 Flanges	Page 18/337 Flanges	Q855P601	Q855D610	Q855G610	
				Q855D612	Q855G612	
				Q855D614	Q855G614	
				Q855D616	Q855G616	
				Q855D618	Q855G618	
				Q855D620	Q855G620	

Coupling	Type of flanges	Type of flanges	Plinth	Metal door	Glass door	Internal cable compartment
Q855E00W	Page 18/336 Flanges	Page 18/337 Flanges	Q855P801	Q855D806	Q855G806	Q830I206
				Q855D808	Q855G808	Q830I208
Q855E00F	Page 18/336 Flanges	Page 18/337 Flanges	Q855P801	Q855D810	Q855G810	Q830I210
				Q855D812	Q855G812	Q830I212
				Q855D814	Q855G814	Q830I214
				Q855D816	Q855G816	Q830I216
				Q855D818	Q855G818	Q830I218
				Q855D820	Q855G820	Q830I220

## Subdistribution boards

System pro E® energy M

Order codes



### Cabinets: Monobloc enclosures with open sides

- Top: Open / Bottom: closed, pre-knock outs
- Included profiles to fix the functional units (mounting plate, DIN rail, busbar isolators...)
- Included profile to fix the cover plates
- The cabinet can be rotated 180°

### Cabinets: Monobloc enclosures with open sides

Width in mm	400		600		800	
Height in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q855B406	1SZE550800B0010	Q855B606	1SZE550800B0090	Q855B806	1SZE550800B0170
800	Q855B408	1SZE550800B0020	Q855B608	1SZE550800B0100	Q855B808	1SZE550800B0180
1000	Q855B410	1SZE550800B0030	Q855B610	1SZE550800B0110	Q855B810	1SZE550800B0190
1200	Q855B412	1SZE550800B0040	Q855B612	1SZE550800B0120	Q855B812	1SZE550800B0200
1400	Q855B414	1SZE550800B0050	Q855B614	1SZE550800B0130	Q855B814	1SZE550800B0210
1600	Q855B416	1SZE550800B0060	Q855B616	1SZE550800B0140	Q855B816	1SZE550800B0220
1800	Q855B418	1SZE550800B0070	Q855B618	1SZE550800B0150	Q855B818	1SZE550800B0230
2000	Q855B420	1SZE550800B0080	Q855B620	1SZE550800B0160	Q855B820	1SZE550800B0240



### Side walls System pro E® energy M

- Set of 2 side walls
- Ready to be mounted
- Screws included

### Side walls System pro E® energy M

Height in mm	Type code	Order code
600	Q855S006	1SZE550801B0010
800	Q855S008	1SZE550801B0020
1000	Q855S010	1SZE550801B0030
1200	Q855S012	1SZE550801B0040
1400	Q855S014	1SZE550801B0050
1600	Q855S016	1SZE550801B0060
1800	Q855S018	1SZE550801B0070
2000	Q855S020	1SZE550801B0080



### Connection set for Side-by-Side connection IP55

- Brackets
- Gasket

### Connection set for Side-by-Side connection IP55

Height in mm	Type code	Order code
600 - 1200 mm	Q855E00W	1SZE550800B0310
1400 - 2000 mm	Q855E00F	1SZE550800B0320

## Subdistribution boards

System pro E<sup>®</sup> energy M

Order codes



### Integrated cable compartment

Possible to add an integrated cable compartment in the 800mm wide cabinets

- Profiles and cover plates to build the integrated cable compartment

#### Integrated cable compartment

Width in mm	800	
Height in mm	Type code	Order code
600	Q830I206	1SZE990930B0010
800	Q830I208	1SZE990930B0020
1000	Q830I210	1SZE990930B0030
1200	Q830I212	1SZE990930B0040
1400	Q830I214	1SZE990930B0050
1600	Q830I216	1SZE990930B0060
1800	Q830I218	1SZE990930B0070
2000	Q830I220	1SZE990930B0080



### Plinth

- 100 mm height
- Stackable up to 3: 300 mm, without accessories
- Front, back and side covers removable
- Hardware to fix to the cabinet included

#### Plinth

Cabinet width in mm	400		600		800	
	Type code	Order code	Type code	Order code	Type code	Order code
Plinth 100 mm height	Q855P401	1SZE990940B0010	Q855P601	1SZE990940B0020	Q855P801	1SZE990940B0030

## Subdistribution boards

System pro E® energy M

Order codes



### Door

- Plain and transparent
- Same doors for IP43 and IP55 cabinets
- 3 points locking system for all the range
- Mount without tools
- 130° opening angle
- PUR gasket
- Swing handle for 1 400 mm and higher doors
- Wide range of insert as accessories

Doors plain						
Width in mm	400		600		800	
Cabinet height, in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q855D406	1SZE990910B0010	Q855D606	1SZE990910B0090	Q855D806	1SZE990910B0170
800	Q855D408	1SZE990910B0020	Q855D608	1SZE990910B0100	Q855D808	1SZE990910B0180
1000	Q855D410	1SZE990910B0030	Q855D610	1SZE990910B0110	Q855D810	1SZE990910B0190
1200	Q855D412	1SZE990910B0040	Q855D612	1SZE990910B0120	Q855D812	1SZE990910B0200
1400	Q855D414	1SZE990910B0050	Q855D614	1SZE990910B0130	Q855D814	1SZE990910B0210
1600	Q855D416	1SZE990910B0060	Q855D616	1SZE990910B0140	Q855D816	1SZE990910B0220
1800	Q855D418	1SZE990910B0070	Q855D618	1SZE990910B0150	Q855D818	1SZE990910B0230
2000	Q855D420	1SZE990910B0080	Q855D620	1SZE990910B0160	Q855D820	1SZE990910B0240



Doors transparent						
Width in mm	400		600		800	
Cabinet height, in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q855G406	1SZE990920B0010	Q855G606	1SZE990920B0090	Q855G806	1SZE990920B0170
800	Q855G408	1SZE990920B0020	Q855G608	1SZE990920B0100	Q855G808	1SZE990920B0180
1000	Q855G410	1SZE990920B0030	Q855G610	1SZE990920B0110	Q855G810	1SZE990920B0190
1200	Q855G412	1SZE990920B0040	Q855G612	1SZE990920B0120	Q855G812	1SZE990920B0200
1400	Q855G414	1SZE990920B0050	Q855G614	1SZE990920B0130	Q855G814	1SZE990920B0210
1600	Q855G416	1SZE990920B0060	Q855G616	1SZE990920B0140	Q855G816	1SZE990920B0220
1800	Q855G418	1SZE990920B0070	Q855G618	1SZE990920B0150	Q855G818	1SZE990920B0230
2000	Q855G420	1SZE990920B0080	Q855G620	1SZE990920B0160	Q855G820	1SZE990920B0240



## Subdistribution boards

System pro E® energy L/M

Flanges



TZ101



TZ110



TZ111



TZ102



TZ103



TZ112



TZ104



TZ105



TZ107



TZ106

Article	Unit	Type	Order code
<b>Membrane flange</b>			
Material plastic			
With 52 cable sleeves 2 x 6 - 32,5 mm, 2 x 6 - 25 mm, 4 x 6 - 19 mm, 10 x 6 - 15 mm, 2 x 6 - 12 mm, 31 x 6 - 11 mm, 1 x 6 - 7 mm	1	TZ101	2CPX010450R9999
	10	TZ101P10	2CPX010451R9999
	100	TZ101P100	2CPX010826R9999
With 8 membrane entries For cables sections 8 x 13 – 34 mm	1	TZ110	2CPX010850R9999
	10	TZ110P10	2CPX010934R9999
With 12 membrane entries and 1 cable sleeve entry For cable diameter 1 x 14 to 54 mm, 3 x 13 to 34 mm, 3 x 13 to 26,5 mm, 4 x 5 to 21 mm, 1 x 6 to 15 mm	1	TZ111	2CPX010851R9999
	10	TZ111P10	2CPX010935R9999
<b>Flanges for M-screw joints</b>			
Material plastic			
1 x M63/M50, 2 x M32/M20, 5 x M25, 5 x M20	1	TZ102	2CPX010452R9999
	10	TZ102P10	2CPX010453R9999
4 x M20/M25, 18 x M20	1	TZ103	2CPX010454R9999
	10	TZ103P10	2CPX010455R9999
<b>Flanges with cable sleeves</b>			
Material plastic			
With 1 cable sleeve For cable diameter 1 x 14 to 68 mm	1	TZ112	2CPX010852R9999
	10	TZ112P10	2CPX010853R9999
With 2 cable sleeve For cable diameter 2 x 14 to 68 mm	1	TZ104	2CPX010456R9999
	10	TZ104P10	2CPX010932R9999
With 3 cable sleeve For cable diameter 3 x 14 to 54 mm	1	TZ105	2CPX010457R9999
	10	TZ105P10	2CPX010933R9999
<b>Locking flanges</b>			
Material plastic			
	1	TZ107	2CPX010460R9999
	10	TZ107P10	2CPX010461R9999
Material steel sheet			
For earthed cabinets	1	TZ106	2CPX010458R9999
	10	TZ106P10	2CPX010459R9999




## Subdistribution boards


System pro E<sup>®</sup> energy L/M

Flanges


### Flange for wide cable entry fitting flanges (type TZ), closed with pre-punch-out

	Article	Order details			
		Type code	Order code	Price	Pcs.
	<b>Flange for wide cable entry</b>				
	Cabinet width:				
	400 mm	Q855F421	1SIZE990900B0011		1
	600 mm	Q855F621	1SIZE990900B0021		1
	800 mm	Q855F821	1SIZE990900B0031		1
Q855F421					


### Plain flange for wide cable entry

	Article	Order details			
		Type code	Order code	Price	Pcs.
	<b>Flange for wide cable entry</b>				
	Cabinet width:				
	400 mm	Q855F422	1SIZE990900B0012		1
	600 mm	Q855F622	1SIZE990900B0022		1
	800 mm	Q855F822	1SIZE990900B0032		1
Q855F422					

### Plain flange for wide cable entry with M20 pre-punch-outs

	Article	Order details			
		Type code	Order code	Price	Pcs.
	<b>Flange for wide cable entry</b>				
	Cabinet width:				
	400 mm	Q855F423	1SIZE990900B0013		1
	600 mm	Q855F623	1SIZE990900B0023		1
	800 mm	Q855F823	1SIZE990900B0033		1
Q855F423					

### Plain flange for wide cable entry with M40 pre-punch-outs

	Article	Order details			
		Type code	Order code	Price	Pcs.
	<b>Flange for wide cable entry</b>				
	Cabinet width:				
	400 mm	Q855F424	1SIZE990900B0014		1
	600 mm	Q855F624	1SIZE990900B0024		1
	800 mm	Q855F824	1SIZE990900B0034		1
Q855F424					

## Subdistribution boards

System pro E® energy L/M

Accessories









		Article	Order details		Price	Pcs.
			Type code	Order code		
		<b>Swivel handle and operating pins</b>				
		Swivel handle with double bit 3 mm*	ESAC1001	2CPX010900R9999		1
		Double bit 3 mm*	ESAC1002	2CPX010901R9999		1
		Double bit 5 mm	ESAC1003	2CPX010902R9999		1
		Triangular 7 mm	ESAC1004	2CPX010903R9999		1
		Triangular 8 mm	ESAC1005	2CPX010904R9999		1
ESAC1001	ESAC1002	Square 6 mm	ESAC1006	2CPX010905R9999		1
		Square 7 mm	ESAC1007	2CPX010906R9999		1
		Square 8 mm	ESAC1008	2CPX010907R9999		1
ESAC1003	ESAC1004	EK333 and key	ESAC1009	2CPX010908R9999		1
		FIST type insert (FIAT)	ESAC1010	2CPX010909R9999		1
		FIAT key	ESAC1013	2CPX010912R9999		1
		Ronis 455 and key	ESAC1011	2CPX010910R9999		1
ESAC1005	ESAC1006	Ronis 405 and key	ESAC1012	2CPX010911R9999		1
ESAC1007	ESAC1008					
ESAC1009	ESAC1010					
ESAC1011	ESAC1013					
		<b>Latch plates and operating pins</b>				
		For operating pin 3 mm (standard)* and 5 mm	TZ517	2CPX010926R9999		1
		For triangular and square operating pin	TZ518	2CPX010927R9999		1
		Double bit 3 mm*	ZH130	2CPX060490R9999		1
		Double bit 5 mm	ZH131	2CPX060491R9999		1
		Triangular 7 mm	ZH132	2CPX060492R9999		1
		Triangular 8 mm	ZH133	2CPX060493R9999		1
TZ517	TZ518	Square 6 mm	ZH134	2CPX060494R9999		1
		Square 7 mm	ZH135	2CPX060495R9999		1
ZH130	ZH132	Square 8 mm	ZH136	2CPX060496R9999		1
		Daimler-Benz	ZH137	2CPX060497R9999		1
ZH134	ZH137					

\* Accessory included in the scope of delivery

## Subdistribution boards

System pro E<sup>®</sup> energy L/M

Lock replacement parts








		Order details					
Article		Type code	Order code	Price	Pcs.		
 <b>ZH91</b>  <b>ZH160</b>  <b>ZH157</b>  <b>ZH162</b>  <b>ZH165</b>	<b>Universal key</b> Double bit 3 mm/5 mm Triangular 8 mm, square 6 mm/8 mm Double bit 3 mm* Double bit 5 mm Triangular 7 mm Triangular 8 mm Square 6 mm Square 7 mm Square 8 mm Daimler-Benz	ZH91 ZH160 ZH161 ZH157 ZH158 ZH162 ZH163 ZH164 ZH165	2CPX066091R9999 2CPX060660R9999 2CPX060661R9999 2CPX060657R9999 2CPX060658R9999 2CPX060662R9999 2CPX060663R9999 2CPX060664R9999 2CPX060665R9999		1 1 1 1 1 1 1 1 1 1 1 1		
	 <b>ESAC2004</b>  <b>ESAC2008</b>	<b>Espagnolette closure*</b> Closure for door height 400 mm Espagnolette closure height 600 mm Espagnolette closure height 800 mm Espagnolette closure height 1000 mm Espagnolette closure height 1200 mm Espagnolette closure height 1400 mm Espagnolette closure height 1600 mm Espagnolette closure height 1800 mm Espagnolette closure height 2000 mm	ESAC2004 ESAC2006 ESAC2008 ESAC2010 ESAC2012 ESAC2014 ESAC2016 ESAC2018 ESAC2020	2CPX010913R9999 2CPX010914R9999 2CPX010915R9999 2CPX010916R9999 2CPX010917R9999 2CPX010918R9999 2CPX010919R9999 2CPX010920R9999 2CPX010921R9999		1 1 1 1 1 1 1 1 1 1	
		<b>Espagnolette guide*</b>	TZ511	2CPX010495R9999		1	
		 <b>TZ511</b>	<b>Shoe*</b> For espagnolette closure	TZ501	2CPX010485R9999		1
		 <b>TZ501</b>					

\*Accessory included in the scope of delivery

## Subdistribution boards

System pro E<sup>®</sup> energy L/M





General accessories

	Article	Order details		Price	Pcs.
		Type code	Order code		
	<b>Mounting brackets package 2</b>	Q800R00P2	1SZE990940B0130		2
<b>Q800R00P2</b>					
	<b>Transport lugs 4 pcs</b>	ESAC3003P4	2CPX078412R9999		4
<b>ESAC3003P4</b>					
	<b>Door earthing set</b> 6 mm <sup>2</sup> with 2x M6	QAW007000	1SZE990940B0120		1
	<b>Cover earthing set</b> Connection between interior fitting and structure 6 mm <sup>2</sup> with 2x M5	QAW007001	1SZE990940B0130		1
	<b>Document holder DIN A4</b> Self-adhesive with transparent sleeve and reinforced back	ZA6	2CPX038227R9999		1
<b>ZA6</b>	Self-adhesive with transparent sleeve	ZA6P10	2CPX062380R9999		10
	<b>Document holder DIN A4</b> Self-adhesive	ZA13	2CPX038233R9999		1
<b>ZA5</b>	<b>Document holder DIN A5</b> Self-adhesive	ZA13P10	2CPX062381R9999		10
		ZA5	2CPX038228R9999		1
		ZA5P10	2CPX062382R9999		10
	<b>Document holder support plate</b> For document holder ZA13, to screw on to the door strengthening profiles	ZA123	2CPX038471R9999		1
<b>ZA123</b>	For document holder ZA5, to screw on to the door strengthening profiles	ZA125	2CPX038472R9999		1

## Subdistribution boards

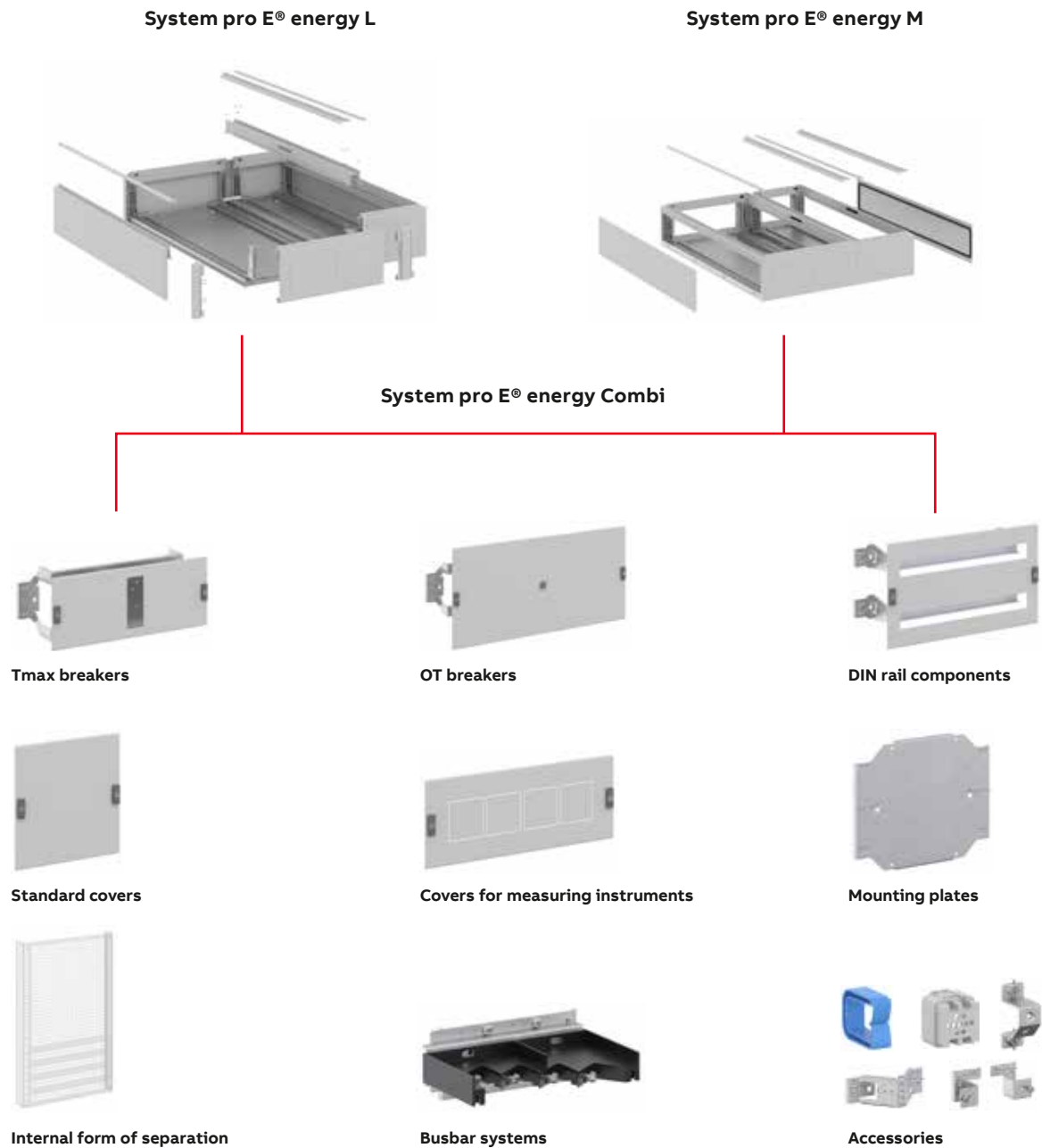
System pro E<sup>®</sup> energy L/M

General accessories

	Article	Order details		Price	Pcs.
		Type code	Order code		
	<b>Cabinet Light (LED with movement detector); 230 V-24 V</b>	TZ650	2CPX010972R9999		1
<b>TZ650</b>					
	<b>Closingplug</b>	TZ617P10	2CPX010512R9999		10
<b>TZ617P10</b>					
	<b>Reinforcement coupled enclosures</b>				
	Cabinet width:				
					
<b>ZL8</b>					
	Reinf. c. enc. 600+400	Q800R6400	1SZE990940B0040		1
	Reinf. c. enc. 600+600/400+800	Q800R6600	1SZE990940B0050		1
	Reinf. c. enc. 600+400+600	Q800R6460	1SZE990940B0060		1
	Reinf. c. enc. 600+600+600/800+400+600	Q800R6660	1SZE990940B0070		1
	Reinf. c. enc. 800+600	Q800R8600	1SZE990940B0090		1
	Reinf. c. enc. 800+800	Q800R8800	1SZE990940B0100		1
	Reinf. c. enc. 800+400+800/600+600+800	Q800R8480	1SZE990940B0110		1
	<b>Horizontal support for fixation of cables</b>				
					
	Support horizontal fixation cables W400	QR4VBS00	1SZE980120B0600		1
	Support horizontal fixation cables W600	QR6VBS00	1SZE980120B0610		1
	Support horizontal fixation cables W800	QR8VBS00	1SZE980120B0620		1

# Subdistribution boards

## System pro E® energy Combi - System overview



(The Right Module for every type of application)

## Subdistribution boards

### System pro E<sup>®</sup> energy Combi - Product benefits



#### One internal configuration system for all cabinets

All internal configuration and the busbar system for both systems (IP43 and IP55). The internal configuration up to 800 A.



#### Easy assembly / Spring mounting

- Assembly can be done by a single person
- Pre-assembled captive screws
- 1/4 turn screws for cover plates
- Click-in supports for functional units and busbar holders
- No tools needed
- Frame to remove all cover plates at once

#### Depth adjustable DIN-rail

DIN-rail can be adjusted in five depths:

- RCD, SPD, MCD S200
- MCB S750/S800
- XT1, XT3, ATS125
- terminal
- ATS-compact

#### Flexible in assembly, ease to combine

With its new mounting concept System pro E<sup>®</sup> combi provides more flexibility and access for installation and wiring. Placed horizontally on two trestles, makes the assembly and wiring very comfortable.



## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Product benefits



### Easy cover handling

Time-saving fixation and adjustment as well as the simple closure system with 1/4 turn quick-lock provides easy handling of the covers and standard earth connection. When using devices in the covers a safe earth connection is guaranteed through 6 mm<sup>2</sup> cable with ring shoes on both sides. The 90° opening angle of the hinge set ensures optimal accessibility.



### Cabeling / wiring solution

The support for different dimensions of wiring ducts have the same level for horizontal and vertical usage. An additional profile for stabilization of wiring duct and for mounting wire holders is available.



### KITS available for all XT-breakers

Modules for moulded case circuit breaker Tmax (XT1 - XT6), 3 and 4 pole versions, in horizontal and vertical position.



### KITS for ATS, TruOne

Modules for automatic transfer switch (ATS), in vertical position up to 800 A.

### Optimal accessibility and ease of installation

The removable frame as standard gives the possibility to remove all covers in one handling and provides quick access.



### Form of internal separation (up to 2b)

For the busbar system behind the device area is a horizontal transparent partition available. To separate the busbar system in external cable container it is possible to use a vertical separation.



## Subdistribution boards

System pro E® energy Combi

Modules for moulded case circuit breaker Tmax, horizontal



QB3H62000



QB4H82000

### Module for:

- Tmax breaker horizontal 3-/4-pole
- Unequipped set for ABB Tmax as an incoming or outgoing breaker

### Content:

- Mounting plate of sheet steel with cut-outs  
(for fixed version with level operation with front Terminals)
- Support to fix to the rear panel profiles
- Cover plate with cut-outs (3-/4- Pole) breaker
- Cover plate with 1/4 turn quick-lock

Width mm	Type of device					Order details			
	Type code	I <sub>n</sub> max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
600	Tmax XT1	160	1	3/4	200	QB1H62000	1SZE980040B0330		1
	Tmax XT2	160	1	3/4	200	QB2H62000	1SZE980040B0340		1
	Tmax XT3	250	1	3/4	200	QB3H62000	1SZE980040B0350		1
	Tmax XT4	250	1	3/4	200	QB4H62000	1SZE980040B0360		1
	Tmax XT5	630	1	3/4	300	QB5H63000	1SZE980040B0370		1
	Tmax XT6	800	1	3/4	400	QB6H64000	1SZE980040B0380		1
	Tmax T5	630	1	3/4	300	QB5H630TM	1SZE980040B0390		1
800	Tmax T6	800	1	3/4	400	QB6H640TM	1SZE980040B0400		1
	Tmax XT1	160	1	3/4	200	QB1H82000	1SZE980040B0410		1
	Tmax XT2	160	1	3/4	200	QB2H82000	1SZE980040B0420		1
	Tmax XT3	250	1	3/4	200	QB3H82000	1SZE980040B0430		1
	Tmax XT4	250	1	3/4	200	QB4H82000	1SZE980040B0440		1
	Tmax XT5	630	1	3/4	300	QB5H83000	1SZE980040B0450		1
	Tmax XT6	800	1	3/4	400	QB6H84000	1SZE980040B0460		1
	Tmax T5	630	1	3/4	300	QB5H830TM	1SZE980040B0470		1
	Tmax T6	800	1	3/4	400	QB6H840TM	1SZE980040B0480		1

For 3 pole breakers please order accessory flange code AD3305 XT1 3P flange mounted on plate 1STQ009216A0000, AD3306 XT2 3P flange mounted on plate 1STQ009217A0000, AD3307 XT3 3P flange mounted on plate 1STQ009218A0000, AD3305 XT4 3P flange mounted on plate 1STQ009219A0000.



QB3H620RC



QB4H820RC

### Module for:

- Tmax breaker horizontal 4-pole + RC
- Unequipped set for ABB Tmax as an incoming or outgoing breaker

### Content:

- Mounting plate made of sheet steel with cut-outs  
(for fixed version with level operation with front Terminals)
- Support to fix to the rear panel profiles
- Cover plates with cut-outs (for 4 pole breaker + RC) and 1/4 turn quick-lock

Width mm	Type of device					Order details			
	Type code	I <sub>n</sub> max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
600	Tmax XT1	160	1	4	200	QB1H620RC	1SZE980040B0690		1
	Tmax XT2	160	1	4	200	QB2H620RC	1SZE980040B0700		1
	Tmax XT3	250	1	4	200	QB3H620RC	1SZE980040B0710		1
	Tmax XT4	250	1	4	200	QB4H620RC	1SZE980040B0720		1
	Tmax XT5	630	1	4	300	QB5H630RC	1SZE980040B0730		1
	Tmax XT6	800	1	4	400	QB6H640RC	1SZE980040B0740		1
	Tmax T5	630	1	4	300	QB5H630TR	1SZE980040B0750		1
800	Tmax XT1	160	1	4	200	QB1H820RC	1SZE980040B0770		1
	Tmax XT2	160	1	4	200	QB2H820RC	1SZE980040B0780		1
	Tmax XT3	250	1	4	200	QB3H820RC	1SZE980040B0790		1
	Tmax XT4	250	1	4	200	QB4H820RC	1SZE980040B0800		1
	Tmax XT5	630	1	4	300	QB5H830RC	1SZE980040B0810		1
	Tmax XT6	800	1	4	400	QB6H840RC	1SZE980040B0820		1
	Tmax T5	630	1	4	300	QB5H830TR	1SZE980040B0830		1

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Modules for moulded case circuit breaker Tmax, vertical



QB3V43000



QB5V84500

### Module for:

- Tmax breaker vertical 3-/4-pole
- Unequipped set for ABB Tmax as an incomer or outgoing breaker

### Content:

- Mounting plate of sheet steel with cut-outs  
(for fixed version with level operation with front Terminals)
- Support to fix to the rear panel profiles
- Cover plates with cut-outs and 1/4 turn quick-lock

Width mm	Type of device					Order details			
	Type code	I <sub>n</sub> max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
400	Tmax XT1	160	1	3/4	300	QB1V43000	1SZE980040B0010		1
	Tmax XT2	160	1	3/4	300	QB2V43000	1SZE980040B0020		1
	Tmax XT3	250	1	3/4	300	QB3V43000	1SZE980040B0030		1
	Tmax XT4	250	1	3/4	300	QB4V43000	1SZE980040B0040		1
	Tmax XT5	630	1	3/4	450	QB5V44500	1SZE980040B0050		1
	Tmax T5	630	1	3/4	450	QB5V445TM	1SZE980040B0070		1
600	Tmax XT1	160	1	3/4	300	QB1V63000	1SZE980040B0090		1
	Tmax XT2	160	1	3/4	300	QB2V63000	1SZE980040B0100		1
	Tmax XT3	250	1	3/4	300	QB3V63000	1SZE980040B0110		1
	Tmax XT4	250	1	3/4	300	QB4V63000	1SZE980040B0120		1
	Tmax XT5	630	1	3/4	450	QB5V64500	1SZE980040B0130		1
	Tmax XT6	800	1	3/4	450	QB6V64500	1SZE980040B0140		1
	Tmax T5	630	1	3/4	450	QB5V645TM	1SZE980040B0150		1
	Tmax T6	800	1	3/4	450	QB6V645TM	1SZE980040B0160		1
800	Tmax XT1	160	1	3/4	300	QB1V83000	1SZE980040B0170		1
	Tmax XT2	160	1	3/4	300	QB2V83000	1SZE980040B0180		1
	Tmax XT3	250	1	3/4	300	QB3V83000	1SZE980040B0190		1
	Tmax XT4	250	1	3/4	300	QB4V83000	1SZE980040B0200		1
	Tmax XT5	630	1	3/4	450	QB5V84500	1SZE980040B0210		1
	Tmax XT6	800	1	3/4	450	QB6V84500	1SZE980040B0220		1
	Tmax T5	630	1	3/4	450	QB5V845TM	1SZE980040B0230		1
	Tmax T6	800	1	3/4	450	QB6V845TM	1SZE980040B0240		1

For 3 pole breakers please order accessory flange code AD3305 XT1 3P flange mounted on plate 1STQ009216A0000, AD3306 XT2 3P flange mounted on plate 1STQ009217A0000, AD3307 XT3 3P flange mounted on plate 1STQ009218A0000, AD3305 XT4 3P flange mounted on plate 1STQ009219A0000.

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Modules for moulded case circuit breaker Tmax + RC sel. vertical



QB4V435RC



QB5V845RC

### Module for:

- Tmax breaker vertical 4-pole + RC sel.
- Unequipped set for ABB Tmax as an incomer or outgoing breaker

### Content:

- Mounting plate of sheet steel with cut-outs  
(for fixed version with level operation with front Terminals)
- Support to fix to the rear panel profiles
- Cover plates with cut-outs (for 4 pole breaker + RC) and 1/4 turn quick-lock

Width mm	Type of device					Order details			
	Type code	I <sub>n</sub> max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
400	Tmax XT1	160	1	4	300	QB1V430RC	1SZE980040B0490		1
	Tmax XT2	160	1	4	350	QB2V435RC	1SZE980040B0500		1
	Tmax XT3	250	1	4	350	QB3V435RC	1SZE980040B0510		1
	Tmax XT4	250	1	4	350	QB4V435RC	1SZE980040B0520		1
	Tmax XT5	630	1	4	450	QB5V445RC	1SZE980040B0530		1
	Tmax T5	630	1	4	450	QB5V445TR	1SZE980040B0540		1
600	Tmax XT1	160	1	4	300	QB1V630RC	1SZE980040B0550		1
	Tmax XT2	160	1	4	350	QB2V635RC	1SZE980040B0560		1
	Tmax XT3	250	1	4	350	QB3V635RC	1SZE980040B0570		1
	Tmax XT4	250	1	4	350	QB4V635RC	1SZE980040B0580		1
	Tmax XT5	630	1	4	450	QB5V645RC	1SZE980040B0590		1
	Tmax T5	630	1	4	450	QB5V645TR	1SZE980040B0610		1
800	Tmax XT1	160	1	4	300	QB1V830RC	1SZE980040B0620		1
	Tmax XT2	160	1	4	350	QB2V835RC	1SZE980040B0630		1
	Tmax XT3	250	1	4	350	QB3V835RC	1SZE980040B0640		1
	Tmax XT4	250	1	4	350	QB4V835RC	1SZE980040B0650		1
	Tmax XT5	630	1	4	450	QB5V845RC	1SZE980040B0660		1
	Tmax T5	630	1	4	450	QB5V845TR	1SZE980040B0680		1

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Modules for multiple moulded case circuit breaker Tmax, vertical



QB3V63003



QB3V83004

### Module for:

- Multiple Tmax breaker vertical 3-/4-pole (side-by-side)
- Unequipped set for ABB Tmax as an incomer or outgoing breaker

### Content:

- Mounting plate of sheet steel with cut-outs (for fixed version with level operation and front Terminals)
- Support to fix to the rear panel profiles
- Cover plate with cut-outs and 1/4 turn quick-lock

Width mm	Type of device					Order details			
	Type code	I <sub>n</sub> max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
600	Tmax XT1	160	3	3/4	300	QB1V63003	1SZE980040B0250		1
	Tmax XT2	160	3	3/4	300	QB2V63003	1SZE980040B0260		1
	Tmax XT3	250	3	3/4	300	QB3V63003	1SZE980040B0270		1
	Tmax XT4	250	3	3/4	300	QB4V63003	1SZE980040B0280		1
800	Tmax XT1	160	4	3/4	300	QB1V83004	1SZE980040B0290		1
	Tmax XT2	160	4	3/4	300	QB2V83004	1SZE980040B0300		1
	Tmax XT3	250	4	3/4	300	QB3V83004	1SZE980040B0310		1
	Tmax XT4	250	4	3/4	300	QB4V83004	1SZE980040B0320		1

For 3 pole breakers please order accessory flange code AD3305 XT1 3P flange mounted on plate 1STQ009216A0000, AD3306 XT2 3P flange mounted on plate 1STQ009217A0000, AD3307 XT3 3P flange mounted on plate 1STQ009218A0000, AD3305 XT4 3P flange mounted on plate 1STQ009219A0000.



QDS1B6300

### Breaker module for:

- Unequipped module for XT2 4 pole + RC sel.
- DIN rail adjustable
- Cover slotted
- Breaker positioned symmetrical behind the cover

### Content:

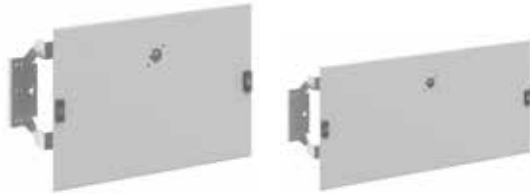
- DIN rail is fixed on a mounting bracket
- DIN rail is double DIN, made of aluminium
- On the back-side it is possible to use Unifix L
- 1/4 turn quick-lock

Additional information						Order details			
Width mm	Height mm	I <sub>n</sub> max A	Space units (SU)	DIN-rail distance	Numbers of rows	Type code	Order code	Price	Pcs.
600	300	250	24	300	1	QDS1B6300	1SZE980020B0170		1
800	300	250	36	300	1	QDS1B8300	1SZE980020B0180		1

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Modules for switch disconnecter OT, horizontal



QS4H63500

QS4H83500

### Module for:

- Switch disconnecter 3-/4-pole (horizontal)
- Unequipped set for ABB switch disconnecter (OT...E03/04) as an incomer or outgoing switch

### Content:

- Mounting plate of sheet steel with cut-outs and fixing points
- Support to fix to the rear panel profiles
- Cover plate with cut-outs for rotary handle in top of the center (Handle on one side of the switch)
- 1/4 turn quick-lock

### Important:

- No possibility to use busbar system behind modules of OT630 and OT800

Width mm	Type of device					Order details			
	Type code	I <sub>n</sub> max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
400	OT200, OT250	400	1	3/4	350	QS4H43500	1SZE980050B0180		1
600	OT200, OT250 OT315, OT400	400	1	3/4	350	QS4H63500	1SZE980050B0010		1
	OT630, OT800	800	1	3/4	500	QS8H65000	1SZE980050B0020		1
800	OT200, OT250 OT315, OT400	400	1	3/4	350	QS4H83500	1SZE980050B0030		1
	OT630, OT800	800	1	3/4	500	QS8H85000	1SZE980050B0040		1

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Modules for switch disconnecter OT, vertical



QS4V435HL



QS4V635HL



QS4V835HL

### Module for:

- Switch disconnecter 3-/4-pole (vertical) handle left
- Unequipped set for ABB switch disconnecter (OT...E03/04) as an incomer or outgoing switch

### Content:

- Mounting plate of sheet steel with cut-outs and fixing points
- Support to fix to the rear panel profiles
- Cover plate with cut-outs for rotary handle left (Handle on one side of the switch)
- 1/4 turn quick-lock

### Important:

- No possibility to use busbar system behind modules of OT630 and OT800

Width mm	Height mm	For device		Numbers of breakers	Numbers of poles	Order details		Price	Pcs.
		I <sub>n</sub> max A	Type code			Type code	Order code		
400	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V435HL	1SZE980050B0050		1
600	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V635HL	1SZE980050B0060		1
						QS8V635HL	1SZE980050B0070		
800	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V835HL	1SZE980050B0080		1
						QS8V835HL	1SZE980050B0090		1



QS4V435HM



QS4V635HM



QS8V835HM

### Module for:

- Switch disconnecter 3-/4-pole (vertical) handle middle/center
- Unequipped set for ABB switch disconnecter (OT...E21/E22) as an incomer or outgoing switch

### Content:

- Mounting plate of sheet steel with cut-outs and fixing points
- Support to fix to the rear panel profiles
- Cover plate with cut-outs for rotary handle center
- 1/4 turn quick-lock

### Important:

- No possibility to use busbar system behind modules of OT630 and OT800

Width mm	Height mm	For device		Numbers of breakers	Numbers of poles	Order details		Price	Pcs.
		I <sub>n</sub> max A	Type code			Type code	Order code		
400	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V435HM	1SZE980050B0100		1
600	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V635HM	1SZE980050B0110		1
						QS8V635HM	1SZE980050B0120		
800	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V835HM	1SZE980050B0130		1
						QS8V835HM	1SZE980050B0140		1

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Modules for automatic transfer switch (ATS), vertical



QL4V66000



QL8V80600

### Module for:

- Automatic transfer switch 3-/4-pole (vertical)
- Unequipped set for ABB ATS (TruONE)

### Content:

- Mounting plate made of sheet steel with cut-outs and fixing points
- Support to fix to the rear panel profiles
- Cover plate with cut-outs for programming port module
- 1/4 turn quick-lock

### Important:

- No possibility to use busbar system behind modules

Width mm	Height mm	For device		Numbers of breakers	Numbers of poles	Order details		Price	Pcs.
		I <sub>n</sub> max A	Type code			Type code	Order code		
600	600	400	OXB200, OXB250 OXB315, OXB400	1	3/4	QL4V66000	1SZE980050B0150		1
800	600	400	OXB200, OXB250 OXB315, OXB400	1	3/4	QL4V86000	1SZE980050B0160		1
		800	OXB500, OXB630, OXB800	1	3/4	QL8V86000	1SZE980050B0170		1

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Module with slotted covers + DIN-rail



QDS161500

### Slotted covers for:

- DIN-rail components
- Rail distance 150 mm

### Content:

- Slotted closed
- Unequipped module (Double DIN rail included)
- DIN rail fixed height
- 1/4 turn quick-lock

Additional information					Order details				
Width mm	Height mm	I <sub>n</sub> max A	Space units (SU)	DIN-rail distance	Numbers of rows	Type code	Order code	Price	Pcs.
400	150	160	12	150	1	QDS141500	1SZE980020B0010		1
	200	160	12	150	1	QDS142000	1SZE980020B0020		1
	300	160	12	150	1	QDS143000	1SZE980020B0030		1
	300	160	12	150	2	QDS243000	1SZE980020B0040		1
600	150	160	24	150	1	QDS161500	1SZE980020B0050		1
	200	160	24	150	1	QDS162000	1SZE980020B0060		1
	300	160	24	150	1	QDS163000	1SZE980020B0070		1
	300	160	24	150	2	QDS263000	1SZE980020B0080		1
800	150	160	36	150	1	QDS181500	1SZE980020B0090		1
	200	160	36	150	1	QDS182000	1SZE980020B0100		1
	300	160	36	150	1	QDS183000	1SZE980020B0110		1
	300	160	36	150	2	QDS283000	1SZE980020B0120		1



QUS163000

### DIN rail module for Unifix H:

- Unequipped module for Unifix H
- Fixed on a mounting bracket
- Rail distance 300 mm
- Unifix H not included

### Content:

- Slotted cover
- 1/4 turn quick-lock

Additional information					Order details				
Width mm	Height mm	I <sub>n</sub> max A	Space units (SU)	DIN-rail distance	Numbers of rows	Type code	Order code	Price	Pcs.
600	300	250	24	300	1	QUS163000	1SZE980020B0140		1
800	300	250	36	300	1	QUS183000	1SZE980020B0150		1



QDS16300A

### DIN rail module for ATS Compact

- Unequipped module for ATS Compact ( S750/S800/XT1/S200, SPD, OVR,..)
- Mounted on adjustable bracket
- Rail distance 300 mm
- Combination with Unifix L possible due to double DIN (Unifix not included)

Additional information					Order details				
Width mm	Height mm		Space units (SU)	DIN-rail distance		Type code	Order code	Price	Pcs.
600	300		24	300		QDS16300A	1SZE980020B0400		1
800	300		36	300		QDS18300A	1SZE980020B0410		1



## Subdistribution boards

System pro E® energy Combi

Slotted covers



QCS141501



QCS263001

### Slotted covers for:

- DIN-rail components
- Distance between slots 150 mm

### Content:

- Slotted cover
- Unequipped cover (no DIN-rail included)
- 1/4 turn quick-lock

### Important:

- DIN-rail needs to be ordered separately (see below)

Additional information					Order details				
Width mm	Height mm	I <sub>n</sub> max A	Space units (SU)	DIN-rail distance	Numbers of rows	Type code	Order code	Price	Pcs.
400	150	160	12	150	1	QCS141501	1SZE980020B0190		1
	200	160	12	150	1	QCS142001	1SZE980010B0460		
	300	160	12	150	1	QCS143001	1SZE980020B0200		1
	300	160	12	150	2	QCS243001	1SZE980020B0210		1
600	150	160	24	150	1	QCS161501	1SZE980020B0240		1
	200	160	24	150	1	QCS162001	1SZE980010B0470		
	300	160	24	150	1	QCS163001	1SZE980020B0250		1
	300	160	24	150	2	QCS263001	1SZE980020B0260		1
800	150	160	36	150	1	QCS181501	1SZE980020B0290		1
	200	160	36	150	1	QCS182001	1SZE980010B0480		
	300	160	36	150	1	QCS183001	1SZE980020B0300		1
	300	160	36	150	2	QCS283001	1SZE980020B0310		1
<b>Packaging</b>									
400	150	160	12	150	1	QCS1415P1	1SZE980020B0340		10
	300	160	12	150	2	QCS2430P1	1SZE980020B0350		10
600	150	160	24	150	1	QCS1615P1	1SZE980020B0360		10
	300	160	24	150	2	QCS2630P1	1SZE980020B0370		10
800	150	160	36	150	1	QCS1815P1	1SZE980020B0380		10
	300	160	36	150	2	QCS2830P1	1SZE980020B0390		10



QT0283000

### Covers for Terminals:

- Blind covers with DIN-rails
- DIN-rail (double DIN)

### Content:

- Cover
- DIN rail (double DIN) mounted on the backplate

Additional information					Order details				
Width mm	Height mm	I <sub>n</sub> max A	Space units (SU)	DIN-rail distance	Number of DIN-rails	Type code	Order code	Price	Pcs.
400	150			150	1	QT0141500	1SZE980030B0010		1
	200			200	1	QT0142000	1SZE980030B0020		1
	300			300	1	QT0143000	1SZE980030B0030		1
	300			150	2	QT0243000	1SZE980030B0040		1
600	150			150	1	QT0161500	1SZE980030B0050		1
	200			200	1	QT0162000	1SZE980030B0060		1
	300			300	1	QT0163000	1SZE980030B0070		1
	300			150	2	QT0263000	1SZE980030B0080		1
800	150			150	1	QT0181500	1SZE980030B0090		1
	200			200	1	QT0182000	1SZE980030B0100		1
	300			300	1	QT0183000	1SZE980030B0110		1
	300			150	2	QT0283000	1SZE980030B0120		1

## Subdistribution boards

### System pro E<sup>®</sup> energy Combi DIN-rails



QAD012000

#### DIN-rail for Slotted covers:

- DIN rail (Double DIN)
- Mounted on fixed bracket

#### Content:

- Double DIN
- Bracket with support to fix to the rear Panel profile
- Unequipped DIN-rail for Pro-M products (S200, MCB, RCD, SPD, OVR,.. UNIFIX-L)
- DIN rail made of aluminium

Additional information			Order details				
Width mm	Quantity	I <sub>n</sub> max A	Space units (SU)	Type code	Order code	Price	Pcs.
400	1		12	QAD001000	1SZE980150B0070		1
	10		12	QAD0010P1	1SZE980150B0100		10
600	1		24	QAD002000	1SZE980150B0080		1
	10		24	QAD0020P1	1SZE980150B0110		10
800	1		36	QAD003000	1SZE980150B0090		1
	10		36	QAD0030P1	1SZE980150B0120		10



QADF011000

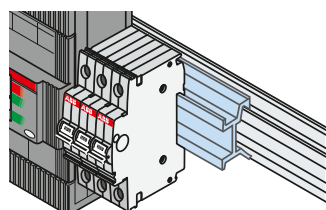
#### DIN-rail for Slotted covers or closed covers:

- DIN rail (Double DIN)
- Mounted on Adjustable bracket

#### Content:

- Double DIN (Unifix-L can be mounted)
- Bracket adjustable in 3 depths
- Bracket with support to fix to the rear Panel profile
- Unequipped DIN-rail for, System pro M S200, OT switch up to OT160 (front level) T-max (XT1, XT3) ATS125 (3-4 Pole) version (back level)
- Second and third level of bracket can be used for Terminals behind blind cover
- DIN rail made of aluminium

Additional information			Order details				
Width mm	Quantity	I <sub>n</sub> max A	Space units (SU)	Type code	Order code	Price	Pcs.
400	1		12	QAD011000	1SZE980150B0130		1
	10		12	QAD0110P1	1SZE980150B0160		10
600	1		24	QAD012000	1SZE980150B0140		1
	10		24	QAD0120P1	1SZE980150B0170		10
800	1		36	QAD013000	1SZE980150B0150		1
	10		36	QAD0130P1	1SZE980150B0180		10



#### Article

Depth adapters  
Enables the depth of miniature circuit-breakers to be adapted to that of moulded-case circuit-breakers mounted on the same DIN rail.

Depth adapters for  
Tmax XT1-XT3

Width in mm

600

#### Order details

Type

AP6000

Order code

1STQ008202A0000

Pcs.

1

## Subdistribution boards

System pro E<sup>®</sup> energy Combi  
DIN-rails



QAD031000

### DIN-rail :

- DIN rail (Double DIN)
- Mounted on the back plate

### Content:

- Double DIN
- Screws incl. for mounting on the back plate
- DIN rail made of aluminium

Additional information		Order details				
Width mm	I <sub>n</sub> max A	Space units (SU)	Type code	Order code	Price	Pcs.
400		12	QAD031000	1SZE980150B0220		1
		12	QAD0310P1	1SZE980150B0250		10
600		24	QAD032000	1SZE980150B0230		1
		24	QAD0320P1	1SZE980150B0260		10
800		36	QAD033000	1SZE980150B0240		1
		36	QAD0330P1	1SZE980150B0270		10





QAW0010P2

### Description

Support universal, for horizontal installation  
For a DIN-rail or cable fastening rail or earth busbar  
max. 20x5mm, for fix mounting  
material is metal

### Order details

Type code	Order code	Price	Pcs.
QAW0010P2	1SZE980150B0010		2
QAW0010P5	1SZE980150B0015		50

Article	Use for...	Unit	Type	Order code
 ED47	<b>Cover</b> As a view shutter for wire guidance in the wire holder ED44 and ED45, 1 m long	1	ED47	2CPX039309R9999
 ZA1P5	<b>Blanking plates</b> For 12 space units, breakable Color RAL 7035	5 50	ZA1P5 ZA1P50	2CPX062384R9999 2CPX062378R9999
	Running meter Color RAL 7035	1 20	ZA2 ZA2P20	2CPX038231R9999 2CPX062379R9999

## Subdistribution boards

System pro E® energy Combi




Closed covers

### Content:

- Cover closed
- 1/4 turn quick-lock

### Important:

- Height 500 mm and bigger have double 1/4 turn quick-lock

	Width mm	Height mm	Order details		Price	Pcs.
			Type code	Order code		
 QCC043001	400	50	QCC040501	1SZE980010B0010		1
		100	QCC041001	1SZE980010B0020		1
		150	QCC041501	1SZE980010B0030		1
		200	QCC042001	1SZE980010B0040		1
		250	QCC042501	1SZE980010B0050		1
		300	QCC043001	1SZE980010B0060		1
		350	QCC043501	1SZE980010B0065		1
		400	QCC044001	1SZE980010B0070		1
		500	QCC045001	1SZE980010B0080		1
		600	QCC046001	1SZE980010B0090		1
		800	QCC048001	1SZE980010B0100		1
	900	QCC049001	1SZE980010B0110		1	
 QCC064001	600	50	QCC060501	1SZE980010B0120		1
		100	QCC061001	1SZE980010B0130		1
		150	QCC061501	1SZE980010B0140		1
		200	QCC062001	1SZE980010B0150		1
		250	QCC062501	1SZE980010B0160		1
		300	QCC063001	1SZE980010B0170		1
		350	QCC063501	1SZE980010B0175		1
		400	QCC064001	1SZE980010B0180		1
		500	QCC065001	1SZE980010B0190		1
		600	QCC066001	1SZE980010B0200		1
		800	QCC068001	1SZE980010B0210		1
	900	QCC069001	1SZE980010B0220		1	
 QCC086001	800	50	QCC080501	1SZE980010B0230		1
		100	QCC081001	1SZE980010B0240		1
		150	QCC081501	1SZE980010B0250		1
		200	QCC082001	1SZE980010B0260		1
		250	QCC082501	1SZE980010B0270		1
		300	QCC083001	1SZE980010B0280		1
		350	QCC083501	1SZE980010B0285		1
		400	QCC084001	1SZE980010B0290		1
		500	QCC085001	1SZE980010B0300		1
		600	QCC086001	1SZE980010B0310		1
		800	QCC088001	1SZE980010B0320		1
	900	QCC089001	1SZE980010B0330		1	
<b>Multi packaging</b>						
	400	150	QCC0415P1	1SZE980010B0400		10
		200	QCC0420P1	1SZE980010B0410		10
	600	150	QCC0615P1	1SZE980010B0420		10
		200	QCC0620P1	1SZE980010B0430		10
	800	150	QCC0815P1	1SZE980010B0440		10
		200	QCC0820P1	1SZE980010B0450		10

## Subdistribution boards

System pro E® energy Combi

Mounting plates



QM0403000

QM0609000

### Mounting plates for:

- For fixing directly on the profile
- Distance between mounting plate and cover is 170 mm

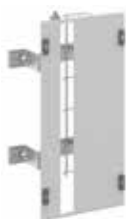
### Content:

- Mounting plate
- Support to fix to the rear panel profiles
- Cover plate not included

Width mm	Height mm	Usable measurements				Order details			
		Width mm	Height mm	Distance to covers mm	Distance to door mm	Type code	Order code	Price	Pcs.
400	300	146	269	172	56	QM0403000	1SZE980070B0010		1
600	150	362	139	172	56	QM0601500	1SZE980070B0020		1
	200	362	189	172	56	QM0602000	1SZE980070B0030		1
	250	362	239	172	56	QM0602500	1SZE980070B0040		1
	300	362	289	172	56	QM0603000	1SZE980070B0050		1
	400	362	389	172	56	QM0604000	1SZE980070B0060		1
	500	362	489	172	56	QM0605000	1SZE980070B0070		1
	600	362	589	172	56	QM0606000	1SZE980070B0080		1
	800	362	789	172	56	QM0608000	1SZE980070B0090		1
	900	362	889	172	56	QM0609000	1SZE980070B0100		1
	1000	362	989	172	56	QM0610000	1SZE980070B0110		1
800	150	578	139	172	56	QM0801500	1SZE980070B0130		1
	200	362	189	172	56	QM0802000	1SZE980070B0140		1
	250	362	239	172	56	QM0802500	1SZE980070B0150		1
	300	362	289	172	56	QM0803000	1SZE980070B0160		1
	400	362	389	172	56	QM0804000	1SZE980070B0170		1
	500	362	489	172	56	QM0805000	1SZE980070B0180		1
	600	362	589	172	56	QM0806000	1SZE980070B0190		1
	800	362	789	172	56	QM0808000	1SZE980070B0200		1
	900	362	889	172	56	QM0809000	1SZE980070B0210		1
	1000	362	989	172	56	QM0810000	1SZE980070B0220		1

## Subdistribution boards

System pro E® energy Combi  
Covers for SMISLINE



QXEV46001



QXEV66001

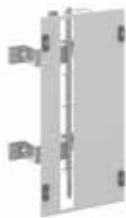
### Module for:

- SMISLINE TP 125 A (Vertical)
- Unequipped set with SMISLINE

### Content:

- Ready for mounting of SMISLINE TP 125 A
- Extension with DIN rails 35×15 mm
- A cable laying grid is included for cable fixing
- Support to fix to the rear panel profile

Width mm	Height mm	Order details			
		Type code	Order code	Price	Pcs.
400	450	QXEV44501	1SZE980100B0010		1
	600	QXEV46001	1SZE980100B0030		1
	750	QXEV47501	1SZE980100B0040		1
600	450	QXEV64501	1SZE980100B0060		1
	600	QXEV66001	1SZE980100B0080		1
	750	QXEV67501	1SZE980100B0090		1
800	450	QXEV84501	1SZE980100B0210		1
	600	QXEV86001	1SZE980100B0230		1
	750	QXEV87501	1SZE980100B0240		1



QXEV66002



QXEV66002

### Module for:

- SMISLINE TP 250 A (Vertical)
- Unequipped set with SMISLINE

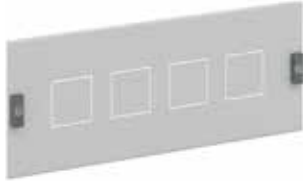
### Content:

- Ready for mounting of SMISLINE TP 250 A
- Extension with DIN rails 35×15 mm
- A cable laying grid is included for cable fixing
- Support to fix to the rear panel profile

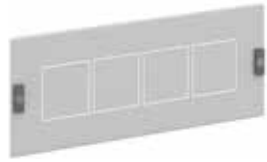
Width mm	Height mm	Order details			
		Type code	Order code	Price	Pcs.
400	450	QXEV44502	1SZE980100B0110		1
	600	QXEV46002	1SZE980100B0130		1
	750	QXEV47502	1SZE980100B0140		1
600	450	QXEV64502	1SZE980100B0160		1
	600	QXEV66002	1SZE980100B0180		1
	750	QXEV67502	1SZE980100B0190		1
800	450	QXEV84502	1SZE980100B0260		1
	600	QXEV86002	1SZE980100B0280		1
	750	QXEV87502	1SZE980100B0290		1

## Subdistribution boards

System pro E® energy Combi  
Special covers



QCM761500



QCM961500

### Covers for:

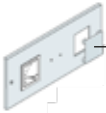
- Metering
- 72×72 mm or 96×96 mm\*

### Content:

- Cover plate closed with 2 pre-punch-out (400 mm width)
- Cover plate closed with 4 pre-punch-outs (600 mm width)
- Cover plate closed with 6 pre-punch-outs (800 mm width)
- Unequipped module (Metering not included)
- 1/4 turn quick-lock closing

Additional information				Order details				
Width mm	Height mm	Space units (SU)	DIN-rail distance	Numbers of places	Type code	Order code	Price	Pcs.
400	150	72×72	150	2	QCM741500	1SZE980090B0010		1
600	150	72×72	150	4	QCM761500	1SZE980090B0030		1
800	150	72×72	150	6	QCM781500	1SZE980090B0050		1
400	150	96×96	150	2	QCM941500	1SZE980090B0020		1
600	150	96×96	150	4	QCM961500	1SZE980090B0040		1
800	150	96×96	150	6	QCM981500	1SZE980090B0060		1

\* M2M/M4M 96x96 not possible to mount next to each other / keep on spot in between

		Order details			
		Type code	Order code	Price	Pcs.
 EV1135 EV1136	Plastic closing cover for instruments 72 x 72 mm	EV1135			
	Plastic closing cover for instruments 96 x 96 mm	EV1136			



QCP061000

### Covers for:

- Push-buttons / Pilot devices
- Diameter 22.3mm / 0.88"

### Content:

- Cover plate closed with 5 pre-punch-outs (400 mm width)
- Cover plate closed with 10 pre-punch-outs (600 mm width)
- Cover plate closed with 15 pre-punch-outs (800 mm width)
- Unequipped module (Buttons/Pilote devices not included)
- 1/4 turn quick-lock closing

Additional information				Order details				
Width mm	Height mm	Diameter mm	Numbers of buttons	Type code	Order code	Price	Pcs.	
400	100	22.3	5	QCP041000	1SZE980090B0110		1	
600	100	22.3	10	QCP061000	1SZE980090B0111		1	
800	100	22.3	15	QCP081000	1SZE980090B0112		1	

## Subdistribution boards

System pro E® energy Combi  
Special covers

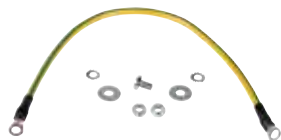


QXW061000

### Cover for:

- The cable connection between module and switchgear cabinet door
- Cover with cut-out for the cable connection
- With DIN rail and connection sleeve
- With accessories to attach the sleeve to the module and to switchgear door
- Consider the door hinge position
- 1/4 turn quick-lock closing

Additional information		Order details			
Width mm	Height mm	Type code	Order code	Price	Pcs.
400	150	QXW041000	1SZE980110B0010		1
600	150	QXW061000	1SZE980110B0020		1
800	150	QXW081000	1SZE980110B0030		1



QAW007001

- Earthing set
- Connection between cover and structure, when using devices in the cover / door
- Cable diameter 6 mm<sup>2</sup> 2x M5

Order details					
Type code	Order code	Price	Pcs.		
QAW007001	2SZE990940B0130		1		



CAHCP10

- Hinge set for covers
- Opening angle 90 degrees
- 2 pcs. required per cover

Order details					
Type code	Order code	Price	Pcs.		
CAHCP10	2CPX078485R9999		10		





## Subdistribution boards

System pro E® energy Combi

Special covers France (dedicated only for France)



QJ4H620RC

### Modules for solution:

- Tarif Jaune

### Content:

- Mounting plate, double-insulated
- Cover plate
- Unequipped module (metering not insulated)
- 1/4 turn quick-lock closing

### Tarif Jaune Vertical

Width mm	Device details				Order details			
	Type breaker	Current $I_n$	Pole	Height mm	Type code	Order code	Price	Pcs.
400	XT2+RC	160 A	4	350	QJ2V435RC	1SZE980090B0210		1
	XT4+RC	250 A	4	350	QJ4V435RC	1SZE980090B0220		1
	XT5+RC	400 A	4	450	QJ5V445RC	1SZE980090B0230		1
600	XT2+RC	160 A	4	350	QJ2V635RC	1SZE980090B0280		1
	XT4+RC	250 A	4	350	QJ4V635RC	1SZE980090B0290		1
	XT5+RC	400 A	4	400	QJ5V635RC	1SZE980090B0300		1

### Tarif Jaune Horizontal

Width mm	Device details				Order details			
	Type breaker	Current $I_n$	Pole	Height mm	Type code	Order code	Price	Pcs.
600	OT200, OT250 OT315, OT400	400 A	4	350	QJ4H635HL	1SZE980090B0240		1
	XT2+RC	160 A		200	QJ2H620RC	1SZE980090B0250		1
	XT4+RC	250 A	4	200	QJ4H620RC	1SZE980090B0260		1
	XT5+RC	400 A	4	300	QJ5H630RC	1SZE980090B0270		1

### Connection set for solution Tarif Jaune:

- Copper busbar connection set OT/XT

### Content:

- 4 copper bars
- Unequipped

### Connection set, busbar Tarif Jaune

Current $I_n$	Pole	Order details			
		Type code	Order code	Price	Pcs.
160 A	4	QJCU16000	1SZE980090B0510		1
250 A	4	QJCU25000	1SZE980090B0520		1
400 A	4	QJCU40000	1SZE980090B0530		1

Table for rated peak withstand current  $I_{pk}$ /rated short-time withstand current  $I_{cw}$  (1 sec.)

Cross-section	$I_n$ in A	No. of busbars per phase	Max. distance between connection points (mm)	Max. distance between connection points (mm)	Max. distance between connection points (mm)
12×5	160	1	250	-	-
20×5	250	1	-	250	-
20×10	400	1	-	-	250

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Special covers France (dedicated only for France)



QB3V46000

### Moduls for solution:

- Tarif Blue

### Content:

- Mounting plate, double-insulated
- Cover plate
- Unequipped module (metering not included)
- 1/4 turn quick-lock closing



QB1V63000



QB3V66000

Width mm	Height mm	Pole	Order details		Price	Pcs.
			Type code	Order code		
400	600	3	QTB3V46000	1SZE980090B0310		1
400	300	1	QTB1V63000	1SZE980090B0330		1
	600	3	QTB3V66000	1SZE980090B0320		1

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Busbar system vertical





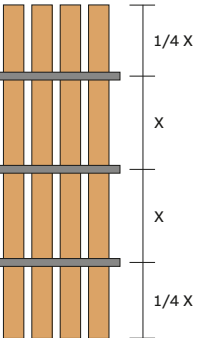
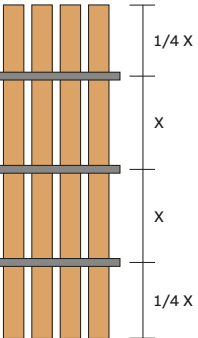
Vertical busbar	Article	Width mm	Order details		Price	Pcs.
			Type code	Order code		
 QR6V6FF01	Busbar support Linear for flat busbar	600	QR6V6FF01	1SZE980120B0030		1
	Behind the devices area	800	QR6V8FF01	1SZE980120B0040		1
 QR6V4FS01	Busbar support scaled for flat busbar	400	QR6V4FS01	1SZE980120B0070		1
	External Cable container 400 mm width					
 QR8V6SF01	Busbar support Linear for shaped busbar	600	QR8V6SF01	1SZE980120B0010		1
	Behind the devices area	800	QR8V8SF01	1SZE980120B0020		1
 QR8V4SS01	Busbar support scaled for shaped busbar	200/400	QR8V4SS01	1SZE980120B0060		1
	Internal and external cable containe 200/400 mm width					

Table for rated peak withstand current  $I_{pk}$  / rated short-time withstand current  $I_{cw}$  (1 sec.)

Busbar Type	cross-section	$I_n$ in A	Busbar support	No. of busbars per phase	Max. X (mm)	Max. X (mm)	Max. X (mm)	Max. X (mm)	Max. X (mm)	Max. X (mm)
<b>Busbar support linear for flat busbar</b>					6,8kA	9kA	17kA	20kA	23 kA	32kA
	20×5	250	QR6V6FF01	1	350mm		-	-	-	-
	20×10	400	QR6V8FF01	1	350mm		100mm	-	-	-
	30×10	630		1	350mm		-	-	-	-
<b>Busbar support scaled for flat busbar</b>										
	20×5	250	QR6V4FS01	1	250mm	100mm	-	-	-	-
	20×10	400		1	350mm		100mm	-	-	-
	30×10	630		1	250mm	300mm	100mm	-	-	-
<b>Busbar support linear for shaped busbar</b>										
BA0400		400	QR8V6SF01	1	400mm		-	-	-	-
BA0800		800	QR8V8SF01	1	400mm		-	-	-	-
<b>Busbar support scaled for shaped busbars</b>										
BA0400		400	QR8V4SS01	1	400mm		-	-	-	-
BA0800		800		1	350mm		-	-	-	-

The distance between the first busbar holder and the end of the busbar must not exceed 1/4 of "X"

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Busbar system horizontal



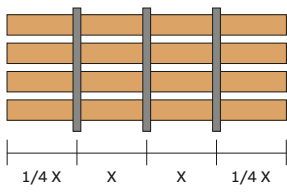
Horizontal busbar	Article	Width mm	Order details		Price	Pcs.
			Type code	Order code		
 QR6V4FS01	Busbar support scaled for flat busbar	600	QR6H6FS01	1SZE980120B0120		1
	Module height 300 mm (cover needs to be ordered separately)	800	QR6H8FS01	1SZE980120B0130		1
 QR8V4SS01	Busbar support scaled for shaped busbar	600	QR8H6SS01	1SZE980120B0090		1
	Module height 300 mm (cover needs to be ordered separately)	800	QR8H8SS01	1SZE980120B0100		1

Table for rated peak withstand current  $I_{pk}$  / rated short-time withstand current  $I_{cw}$  (1 sec.)

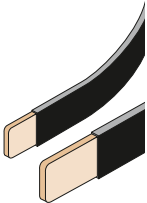
Busbar Type	cross-section	$I_n$ in A	Busbar support	No. of busbars per phase	Max. X = 250 (mm)
<b>Busbar support scaled for flat busbars</b>					
	20×5	250	QR6H6FS01	1	6.8 kA
	20×10	400	QR6H8FS01	1	9 kA
	30×10	630		1	9 kA
<b>Busbar support linear for shaped busbar</b>					
BA0400		400	QR8H6SS01	1	23 kA
BA0800		800	QR8H8SS01	1	32 kA







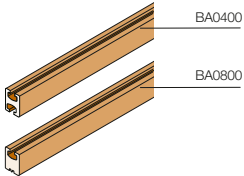
The distance between the first busbar holder and the end of the busbar must not exceed 1/4 of "X"



## Subdistribution boards

System pro E® energy Combi  
Busbar system

	Article	Length mm	I <sub>n</sub> A	Order details		Price	Pcs.
				Type code	Order code		
	<b>Flexible Busbars</b> Flexible busbars insulated with self-extinguishing material						
	No. 2 flexible busbars, section 20 x 3	2000	250	BF1602			2
	No. 2 flexible busbars, section 20 x 5	2000	400	BF2502			2
	No. 2 flexible busbars, section 24 x 6	2000	500	BF4002			2
	No. 2 flexible busbars, section 32 x 5	2000	630	BF4012			2
BF1602							

Cross section	Type code	I <sub>n</sub> A	No. busbar/ phase	Dimensions			
				Cu busbar mm	Section dimensions mm <sup>2</sup>	Length mm	Weight kg
<b>Flexible busbars up to 630 A</b>							
	BF1602	250	1	20 x 3	60	2000	1.42
	BF2502	400	1	20 x 5	100	2000	2.15
	BF4002	500	1	24 x 6	144	2000	3
	BF4012	630	1	32 x 5	160	2000	3.36


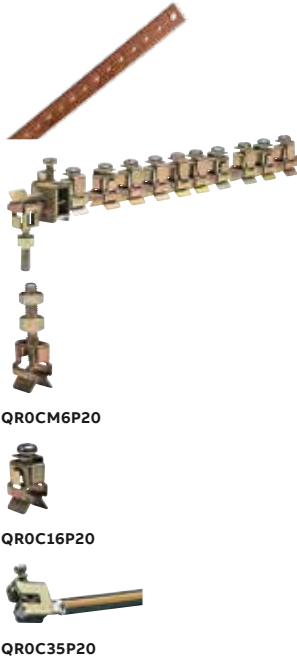
	Article	Length mm	I <sub>n</sub> A	Order details		Price	Pcs.
				Type code	Order code		
	<b>Distribution busbars with shaped section</b>						
	Busbar I <sub>n</sub> = 400 A	1730	400	BA0400			1
	Busbar I <sub>n</sub> = 800 A	1730	800	BA0800			1

Cross section	Type code	I <sub>n</sub> A	No. busbar/ phase	Dimensions			
				Cu busbar mm	Section dimensions mm <sup>2</sup>	Length mm	Weight kg
<b>Busbars with shaped section for applications up to 800 A</b>							
	BA0400	400	1	20 x 20	200	1730	4
	BA0800	800	1	20 x 20	280	1730	4.4

## Subdistribution boards


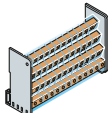
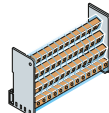
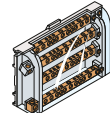
System pro E® energy Combi

Busbar system

	Article	Length mm	I <sub>n</sub> A	Order details		Price	Pcs.
				Type code	Order code		
	<b>Flat busbar</b> Copper busbars drilled and threaded for rapid connection of the conductors Can be used with both busbar holders (Linear/staircase(scaled))						
	flat busbar 20×5, H2000 threaded M.6	2000	250	QR02F2005	1SZE980120B0460		1
	flat busbar 20×10, H2000 threaded M.6	2000	400	QR02F2010	1SZE980120B0470		1
	flat busbar 30×5, H2000 threaded M.6	2000	400	QR02F3005	1SZE980120B0480		1
	flat busbar 30×10, H2000 threaded M.8	2000	630	QR02F3010	1SZE980120B0490		1
	flat busbar 40×10, H2000 threaded M.8	2000	800	QR02F4010	1SZE980120B0500		1
 <p>QR0CM6P20</p> <p>QR0C16P20</p> <p>QR0C35P20</p>	<b>Flat busbar</b> Copper busbars drilled and threaded for rapid connection of the conductors Can be used with both busbar holders (Linear/staircase (scaled))						
	Horizontal PE busbar 20×10, W400	400		QR4HP2010	1SZE980120B0260		
	Horizontal PE busbar 30×10, W400	400		QR4HP3010	1SZE980120B0270		
	Horizontal PE busbar 40×10, W400	400		QR4HP4010	1SZE980120B0280		
	Horizontal PE busbar 20×10, W600	600		QR6HP2010	1SZE980120B0290		
	Horizontal PE busbar 30×10, W600	600		QR6HP3010	1SZE980120B0300		
	Horizontal PE busbar 40×10, W600	600		QR6HP4010	1SZE980120B0310		
	Horizontal PE busbar 20×10, W800	800		QR8HP2010	1SZE980120B0320		
	Horizontal PE busbar 30×10, W800	800		QR8HP3010	1SZE980120B0330		
	Horizontal PE busbar 40×10, W800	800		QR8HP4010	1SZE980120B0340		
	Hor.earthbar W400 CU12×4+conn.	400		QR4PC3010	1SZE980120B0540		
	Hor.earthbar W600 CU12×4+conn.	600		QR6PC3011	1SZE980120B0550		
	Hor.earthbar W800 CU12×4+conn.	800		QR8PC3012	1SZE980120B0560		
	Fixation clips M6 (set of 20 pcs)			QR0CM6P20	1SZE980120B0570		
	Connectors 16mm <sup>2</sup> (set of 20 pcs)			QR0C16P20	1SZE980120B0580		
Connectors 35mm <sup>2</sup> (set of 20 pcs)			QR0C35P20	1SZE980120B0590			

### Modular dividers

#### Three-poles

					
Code		AD1004	AD1028	AD1029	AD1027
I <sub>n</sub>	(A)	125	125	125	160
I <sub>cw</sub>	(kA)	10	4.2	4.2	6.2
I <sub>pk</sub>	(kA)	24	25	25	20
Version	poli	4.2	4	4	4
Installation		DIN35/plate	DIN35/plate	DIN35/plate	DIN35
Power supply ∅ cable (mm <sup>2</sup> )	min.	6	6	6	10
	max.	35	25 with cable terminal	25 with cable terminal	50
N°outgoing feeder ∅ cable (mm <sup>2</sup> )	1/6	5/phase	-	-	-
	1.5/6	4/neutral	-	-	-
	1.5/10	2/phase	7	9	-
		6/neutral			
	1.5/16		-	2	-
	2.5/16		-	-	8
	6/25	2	2	3	
Dimensions H×W×D	(mm)	74.5×98×45	93×89×48	96×126×48	90×160.5×50
N° DIN modules		5.5	5	7	9
Rated service voltage U <sub>e</sub>	(V)	1000 Vca	440	440	440
		1500 Vcc			
Degree of protection	IP	20	20	20	20

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Internal form of segregation form 2b



QRFV46001

### Vertical busbar segregation

- Set to separate the busbar behind the covers
- Touch protection in front of the busbar system
- Mounting position vertical
- Scaled Busbar Holder
- Material is transparent plastic
- Internal and external cable container (400 mm width)

#### Vertical segregation (400 mm width)

Width mm	Height mm	Order details			
		Type code	Order code	Price	Pcs.
400	600	QRFV46001	1SZE980190B0010		
	800	QRFV48001	1SZE980190B0020		
closing		QRFV4C001	1SZE980190B0030		



QRFV66001

### Vertical busbar segregation

- Set to separate the busbar behind device area
- Touch protection in front of the busbar system
- Mounting position vertical
- Flat Busbar holder
- Material is transparent plastic

#### Vertical segregation (600/800 mm width)

Width mm	Height mm	Order details			
		Type code	Order code	Price	Pcs.
600/800	600	QRFV66001	1SZE980190B0040		
	800	QRFV68001	1SZE980190B0050		
closing		QRFV6C001	1SZE980190B0060		



QRFW63001

### Horizontal busbar segregation

- Set to separate the busbar behind device area
- Touch protection behind the busbar system
- Mounting position horizontal
- Material is transparent plastic

#### Horizontal busbar segregation

Width mm	Height mm	Order details			
		Type code	Order code	Price	Pcs.
600	300	QRFW63001	1SZE980190B0070		
800	300	QRFW83001	1SZE980190B0080		



QRFV01XSS

- Set to separate the busbars in external cable container to the device area
- Mounting position vertical
- Material is transparent plastic



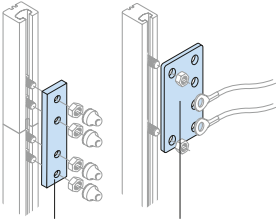
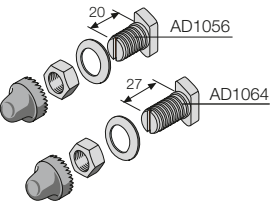
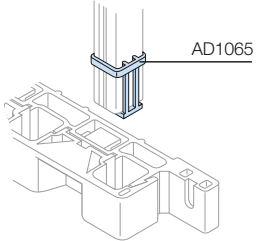
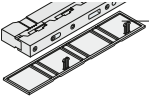
Depth mm	Height mm	Order details			
		Type code	Order code	Price	Pcs.
250	1000	QRFV01XSS	1SZE980190B0090		1



## Subdistribution boards

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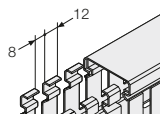
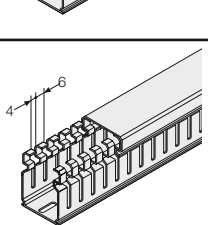
Accessories, mounting support

	Article	Order details			
		Type code	Order code	Price	Pcs.
 CASHP2	<b>Support universal, for horizontal installation</b> For a Din rail or cable fastening rail or earth busbar max. 20 x 5 mm Material is metal	QAW0010P2	1SZE980150B0010		2
		QAW0010P5	1SZE980150B0015		50
 CASVP2	<b>Support universal, for vertical installation</b> For a Din rail or cable fastening Material is metal	For QAW0020P2	1SZE980150B0020		2
		QAW0020P5	1SZE980150B0025		50
 AD1068    AD1077	<b>Joints for busbars with shaped section</b> No. 4 copper 400 A branch joints No. 4 joints for joining busbars with shaped section 400 / 800 A	AD1077	1STQ008218A0000		4
		AD1068			4
 AD1056    AD1064	<b>Hammer seal screws for busbars with shaped section</b> No. 12 M8 screws L = 20 mm for flexible busbars and cable shoes complete with screw-covering cap No. 12 M8 screws L = 27 mm for flat busbars 10 mm complete with screw-covering cap	AD1056	1STQ008214A0000		12
		AD1064	1STQ008215A0000		12
 AD1065	<b>Resting bases for busbars with shaped section</b> No. 4 resting bases for 400 / 800 A busbars	AD1065			4
 BP0632	<b>Busbars holders end cover</b> No. 2 terminal covers for linear busbar holders CKBS1161, CKBS1181	BP0632			1

## Subdistribution boards

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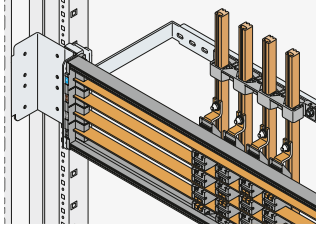
Accessories, wiring system

		Order details				
Article		Unit	Type code	Order code	Price	Pcs.
 	<b>Wire holder</b> For wire guidance, installation depth 28.5 mm, to be inserted into the DIN rail from the rear		ED44P10	2CPX062335R9999		10
			ED44P50	2CPX062308R9999		50
			ED44P1000	2CPX062703R9999		1000
 	<b>Wire holder</b> For the wire guidance or receiving a plastic tube of $\varnothing$ 38 mm, installation depth 55 mm, to be inserted in the DIN rail from the rear		ED45P10	2CPX062336R9999		10
			ED45P50	2CPX062310R9999		50
			ED45P1000	2CPX062704R9999		1000
	<b>DIN rails adapter</b> For ED44 and ED45, to be snapped onto the DIN rail from the front		ED59P10	2CPX062339R9999		10
 	<b>Console for the ED44 and ED45 wire holders</b> To be inserted in the DIN rail from the rear		ED42P10	2CPX062333R9999		10
	<b>Console for the ED44 and ED45 wire holders</b> To be snapped onto the DIN rail from the front		ED43P10	2CPX062334R9999		10
	<b>Support for horizontal wiring</b> - Below double DIN - Can be combined with ED44 / ED45 / ED42 - Material is polyamid (PA) - Screwless		QAW0040P2	1SZE980150B0040		2
			QAW0040P5	1SZE980150B0045		50
	<b>Support for Horizontal /Vertical Wiring on QAW0040</b> - Only in combination with QAW0040		QAW0045P2	1SZE980150B0041		2
			QAW0045P5	1SZE980150B0046		50
	<b>Support for vertical wiring on the backplate</b> - For wiring space up to 60 mm 80 mm height - Material is polyamid (PA) - Screwless		QAW0050P2	1SZE980150B0050		2
			QAW0050P5	1SZE980150B0055		50
	<b>Support for wiring duct</b> - For wiring ducts with 60mm and 80mm height - Material is polyamid (PA)		QAW0060P2	1SZE980150B0060		2
			QAW0060P5	1SZE980150B0065		50
	<b>45° Support for wiring duct / Earth-bar / DIN-rail</b>		QAW0080P2	1SZE980150B0280		2
			QAW0080P5	1SZE980150B0285		50
		Order details				
Article			Type code	Order code	Price	Pcs.
	<b>Wiring ducts</b> For horizontal and vertical installation RAL 7035, lenght 2000mm Slot 8 - 12mm Base x Height in mm					
	60 x 60		05067	M050670000		1
	60 x 80		05087	M050870000		1
	80 x 60		05069	M050690000		1
	80 x 80		05089	M050890000		1
	Slot 4 - 6mm Base x Height in mm					
60 x 60		05167	M051670000		1	
60 x 80		05187	M051870000		1	
80 x 60		05169	M051690000		1	
80 x 80		05189	M051890000		1	

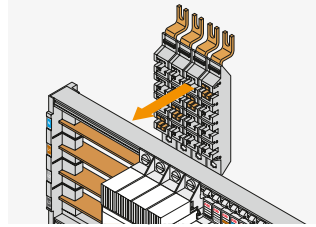
## Subdistribution boards

System pro E<sup>®</sup> energy Combi

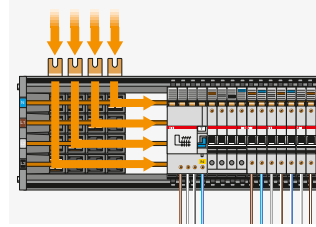
System Unifix, overview



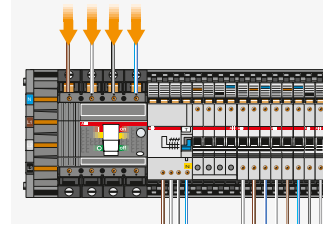
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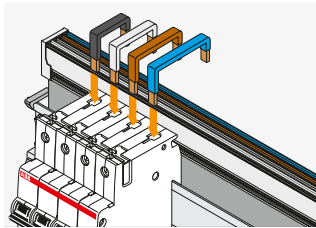
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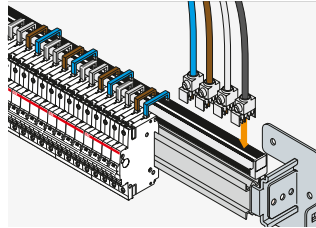
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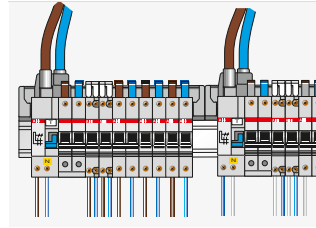
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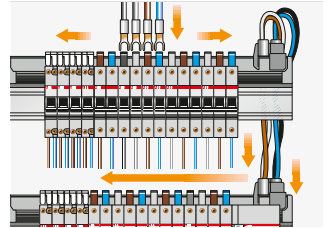
05



06



07



08

01 Direct connection with the 400/800 A system of busbars with shaped section

02 Feeder module for 400 A frame (L1-L2-L3-N)

03 Direct power supply of the bases by means of feeder module ED2209

04 Power supply by means of general row circuit-breaker

05 Connections (L1-L2-L3-N) for System pro M modular apparatus

06 Power supply of the busbar with 100 A feeder module without cable  
Terminal capacity 35mm<sup>2</sup>

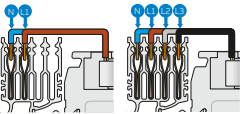
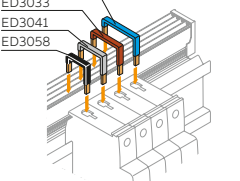
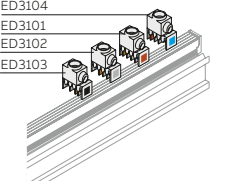
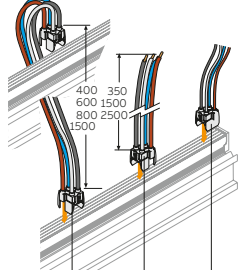
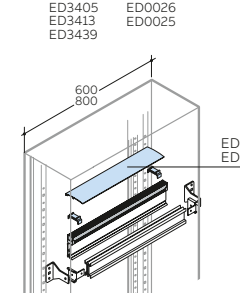

07 Direct power supply of the busbars by means of feeder module

08 Power supply by means of modules and cables in parallel

## Subdistribution boards

System pro E® energy Combi

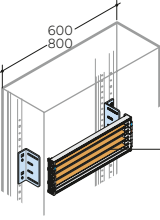
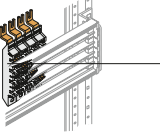
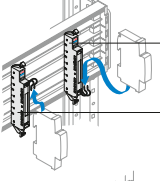
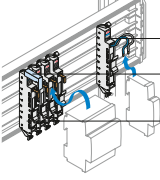
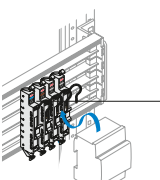
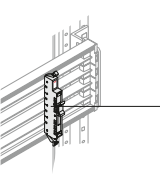
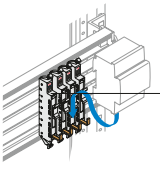

System Unifix L

	Article	Order details			
		Type code	Order code	Price	Pcs.
	<b>2-pole busbars</b>				
	100 A 2P 8 module busbar, width 200 mm	ED2985	1STQ008313A0000		6
	100 A 2P 12 module busbar, width 400 mm	ED2993	1STQ008314A0000		6
	100 A 2P 18 module busbar, width 450 mm	ED3009	1STQ008315A0000		6
	100 A 2P 24 module busbar, width 600 mm	ED3017	1STQ008316A0000		6
	100 A 2P 36 module busbar, width 800 mm	ED3025	1STQ008317A0000		6
	<b>4-pole busbars</b>				
	100 A 4P 12 module busbar, width 400 mm	ED2944	1STQ008307A0000		6
	100 A 4P 18 module busbar, width 450 mm	ED2951	1STQ008308A0000		6
	100 A 4P 24 module busbar, width 600 mm	ED2969	1STQ008311A0000		6
	100 A 4P 36 module busbar, width 800 mm	ED2977	1STQ008312A0000		6
	<b>Connections for various apparatus</b>				
	Connection with 2 conductors L/N 16 A	ED3108	1STQ008332A0000		6
	Connection with 3 conductors L1/L2/L3 16 A	ED3116	1STQ008333A0000		6
	Connection with 4 conductors L1/L2/L3/N 16 A single phase	ED3124	1STQ008334A0000		6
	Connection with 2 conductors L1/N 40 A	ED3355	1STQ008339A0000		6
	Connection with 3 conductors L1/L2/L3 40 A	ED3363	1STQ008340A0000		6
	Connection with 4 conductors L1/L2/L3/N 40 A	ED3371	1STQ008341A0000		6
	<b>Connections for apparatus</b>				
	No. 10 connections L1-N 40 A	ED3272	1STQ008336A0000		10
	No. 10 connections L2-N 40 A	ED3280	1STQ008337A0000		10
	No. 10 connections L3-N 40 A	ED3298	1STQ008338A0000		10
	No. 10 connections L 1 100 A	ED3033	1STQ008318A0000		10
	No. 10 connections L 2 100 A	ED3041	1STQ008319A0000		10
	No. 10 connections L 3 100 A	ED3058	1STQ008320A0000		10
	No. 10 connections N 100 A	ED3066	1STQ008321A0000		10
	Feeder with 4P 100 A cable, width 350 mm	ED3132	1STQ008335A0000		10
	Feeder with 4P 100 A cable, width 1500 mm	ED0026	1STQ008306A0000		10
	Feeder with 4P 100 A cable, width 1500 mm	ED0025	1STQ008305A0000		10
	<b>Power supply modules with cable</b>				
	Parallel module 2P 100 A with cable, width 600 mm	ED3082	1STQ008322A0000		6
	Parallel module 4P 100 A with cable, width 400 mm	ED3405	1STQ008342A0000		6
	Parallel module 4P 100 A with cable, width 600 mm	ED3090	1STQ008323A0000		6
	Parallel module 4P 100 A with cable, width 800 mm	ED3413	1STQ008343A0000		6
	Parallel module 4P 100 A with cable, width 1500 mm	ED3439	1STQ008344A0000		6
	<b>Power supply modules without cable   100 A</b>				
	No. 10 single-pole power supply terminals L1	ED3101	1STQ008324A0000		10
	No. 10 single-pole power supply terminals L2	ED3102	1STQ008326A0000		10
	No. 10 single-pole power supply terminals L3	ED3103	1STQ008328A0000		10
	No. 10 single-pole power supply terminals N	ED3104	1STQ008330A0000		10
	<b>Accessories</b>				
	N°10 busbar covers, width 600 mm	ED2961	1STQ008309A0000		10
	N°2 busbar covers, width 800 mm	ED2962	1STQ008310A0000		2

## Subdistribution boards

System pro E® energy Combi

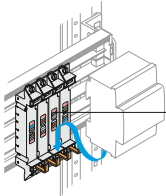
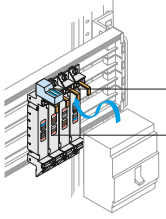
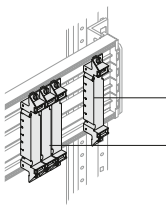
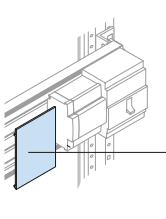
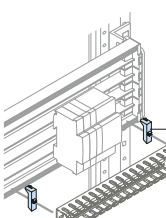
System Unifix H

	Article	Order details			
		Type code	Order code	Price	Pcs.
	<b>Frames for Tmax</b>				
	Frame with 24 DIN module busbar	ED2183			1
	Frame with 36 DIN module busbar	ED2191			1
	<b>Feeder modules</b>				
	4P 400 A feeder module (for ED2183-ED2191)	ED2209	1STQ008230A0000		1
	<b>Basic modules I<sub>n</sub> 16 A</b>				
	Basic module for DIN L1-N top 16 A	ED2894			1
	Basic module for DIN L1-L2 top 16 A	ED2902	1STQ008256A0000		1
	Basic module for DIN L1-N bottom 16 A	ED2910	1STQ008257A0000		1
	Basic module for DIN L1-L2 bottom 16 A	ED2928	1STQ008258A0000		1
	<b>Basic modules I<sub>n</sub> 40 A</b>				
	Basic module L1/Neutral top 40 A	ED2654	1STQ008248A0000		1
	Basic module L2/Neutral top 40 A	ED2662	1STQ008249A0000		1
	Basic module L3/Neutral top 40 A	ED2670	1STQ008250A0000		1
	<b>Basic modules I<sub>n</sub> 63 A</b>				
	Basic module L1 top 63 A	ED2531	1STQ008231A0000		1
	Basic module L2 top 63 A	ED2549	1STQ008232A0000		1
	Basic module L3 top 63 A	ED2556	1STQ008238A0000		1
	Basic module Neutral top 63 A	ED2564	1STQ008243A0000		1
	Basic module L1 bottom 63 A	ED2572	1STQ008244A0000		1
	Basic module L2 bottom 63 A	ED2590	1STQ008245A0000		1
Basic module L3 bottom 63 A	ED2598	1STQ008246A0000		1	
	Basic module Neutral bottom 63 A	ED2606	1STQ008247A0000		1
	<b>Basic modules I<sub>n</sub> 100 A</b>				
	Basic module with cable L1 top 100 A	ED2720	1STQ008251A0000		10
	Basic module with cable L2 top 100 A	ED2738	1STQ008252A0000		2
	Basic module with cable L3 top 100 A	ED2746	1STQ008253A0000		1
	Basic module with cable Neutral top 100 A	ED2753	1STQ008254A0000		1
	<b>Basic modules ≤ I<sub>n</sub> 40 A S800</b>				
	Basic module L1 top ≤ 40 A	ED2557	1STQ008239A0000		1
	Basic module L2 top ≤ 40 A	ED2558	1STQ008240A0000		1
	Basic module L3 top ≤ 40 A	ED2559	1STQ008241A0000		1
	Basic module Neutral top ≤ 40 A	ED2560	1STQ008242A0000		1
	<b>Basic modules ≤ I<sub>n</sub> 125 A S800</b>				
	Basic module L1 top 125 A	ED2551	1STQ008234A0000		1
	Basic module L2 top 125 A	ED2552	1STQ008235A0000		1
	Basic module L3 top 125 A	ED2553	1STQ008236A0000		1
	Basic module Neutral bottom 125 A	ED2554	1STQ008237A0000		1
	Basic module false pole, width 27 mm	ED2557	1STQ008239A0000		1

## Subdistribution boards

System pro E® energy Combi

System Unifix H

	Article	Order details			
		Type code	Order code	Price	Pcs.
 <p>ED2217-ED2225 ED2233-ED2241 ED2258-ED2266 ED2274-ED2282 ED2332-ED2340 ED2357-ED2365</p>	<b>Basic modules ≤ In 160 A, Tmax XT1</b>				
	Basic module L1 top L2 bottom	ED2217	1STQ008263A0000		1
	Basic module L2 top L1 bottom	ED2225	1STQ008264A0000		1
	Basic module L3 top Neutral bottom	ED2233	1STQ008265A0000		1
	Basic module Neutral top L3 bottom	ED2241	1STQ008266A0000		1
	Basic module false pole for residual current release RC221	ED2373	1STQ008279A0000		1
	Basic module false pole for solenoid operator	ED2381	1STQ008280A0000		1
 <p>ED0001 ED0002 ED0003 ED2290-ED2308 ED2316-ED2324</p>	<b>Basic modules ≤ In 250 A, Tmax XT3</b>				
	Basic module L1 top	ED2290	1STQ008271A0000		1
	Basic module L2 top	ED2308	1STQ008272A0000		1
	Basic module L3 top	ED2316	1STQ008273A0000		1
	Basic module N top	ED2324	1STQ008274A0000		1
	Basic module L1 bottom	ED2332	1STQ008275A0000		1
	Basic module L2 bottom	ED2340	1STQ008276A0000		1
	Basic module L3 bottom	ED2357	1STQ008277A0000		1
	Basic module N bottom	ED2365	1STQ008278A0000		1
	Basic module false pole for residual current release RC221	ED2373	1STQ008279A0000		1
 <p>ED2373 ED2381 ED2399</p>	<b>Accessories</b>				
	Basic module false pole for DDA	ED2845	1STQ008283A0000		1
	Basic module false pole for modular MDRC	ED2852	1STQ008284A0000		1
	No. 2 IP20 covers (for ED2183-ED2191), width 173 mm (10 DIN modules)	ED2407	1STQ008282A0000		2
	No. 6 duct supports 40 x 60mm (only for modular apparatus)	ED2936	1STQ008285A0000		6
 <p>ED2407</p>	<b>Spare parts</b>				
	No. 10 terminal covers for Tmax XT1	ED0001	1STQ008259A0000		10
	No. 10 terminal covers for Tmax XT3	ED0003	1STQ008261A0000		10
	No. 10 terminal covers for S200/F200	ED0004	1STQ008262A0000		10
 <p>ED2936</p>					

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

System Unifix, technical data

Technical characteristics	Unifix H	Unifix L
<b>Unifix systems</b>		
Rated service voltage ( $U_n$ )	690 V AC	400 V AC
Rated insulation voltage ( $U_i$ )	1000 V AC	500 V AC
Rated impulse withstand voltage ( $U_{imp}$ )	8 kV	6 kV
Rated frequency	50/60 Hz	50/60 Hz
Rated current ( $I_n$ )		
central power supply	400 A	100 A
lateral power supply	320 A	80 A
Rated short-time withstand current ( $I_{cw}$ )	25 kA	-
Maximum peak current ( $I_{pk}$ )	52,5 kA - 400 V	-
Maximum installable circuit-breaker size	250 A	100 A
Conditioned short-circuit current ( $I_{cc}$ )		
Tmax XT1	50 kA - 400 V	-
Tmax XT3	50 kA - 400 V	-
With circuit-breaker		
S200	-	6 kA - 400 V
S200M	-	10 kA - 400 V
S200P	-	25 kA - 400 V
Degree of protection	IP20 with accessory	IP20
Characteristics of the insulating material	Self-extinguishing thermoplastic V1 (UL94)	Self-extinguishing thermoplastic V1 (UL94)
Characteristics of the conductor material	Electrolytic copper	Electrolytic copper
Width	24/600	12/400
(No. modules/mm)	36/800	24/600 36/800
<b>Installation of Unifix system</b>		
Frame for Tmax XT series		
300 x 600 mm (H x L)	ED2183	-
300 x 800 mm (H x L)	ED2191	-
Fixing brackets Height 300 mm	AD1097	-
Crosspiece for direct connection to the rear busbars with shaped section with PB0803		
Width 600 mm	TL1000	-
Width 800 mm	TL1100	-
Busbar 4P		
12 mod.	-	ED2993
18 mod.	-	ED3009
24 mod.	-	ED3017
36 mod.	-	ED3025
Busbar 4P		
12 mod.	-	ED2944
18 mod.	-	ED2951
24 mod.	-	ED2969
36 mod.	-	ED2977
Fixing support		
24 mod.	-	GD1520
36 mod.	-	GD1530

<sup>(1)</sup> Select circuit-breakers in version with front terminals for copper cables.

## Subdistribution boards

System pro E® energy Combi

System Unifix, selecting table

Series of circuit-breakers	Unifix H		Unifix L
<b>Unifix systems</b>			
Table for selecting connections according to the circuit-breaker			
SN201	(top power supply)		
DS941	ED2654 L1/N 40 A	-	ED3272 L1/N 40 A
	ED2662 L2/N 40 A	-	ED3280 L2/N 40 A
	ED2670 L3/N 40 A	-	ED3298 L3/N 40 A
S200 - DS200	(top power supply)		(bottom power supply)
F200 up to 63A (Unifix L)	ED2531 L1 63A	ED2572 L1 63A	ED3033 L1 100A
	ED2549 L2 63A	ED2590 L2 63A	ED3041 L2 100A
	ED2556 L3 63A	ED2598 L3 63A	ED3058 L3 100A
	ED2564 N 63A	ED2606 N 63A	ED3066 N 100A
	ED2845 False pole module	-	-
S800	(top power supply)		
	ED2557 L1 ≤32A	-	-
	ED2558 L2 ≤32A	-	-
	ED2559 L3 ≤32A	-	-
	ED2560 N ≤32A	-	-
	ED2551 L1 125A	-	-
	ED2552 L2 125A	-	-
	ED2553 L3 125A	-	-
	ED2554 N 125A	-	-
	ED2550 False pole module	-	-
S280 (80-100A)	(top power supply)		
E200 up to 100A - RS370 - F200 80/100A (Unifix H)	ED2720 L1 100A	-	ED3132 pow. supply L1/L2/L3/N - 350mm
	ED2738 L2 100A	-	ED0026 pow. supply L1/L2/L3/N - 1500mm
	ED2746 L3 100A	-	ED0025 pow. supply L1/L2/L3/N - 2500mm
	ED2753 N 100A	-	-
MDRC - Various apparatus	(top power supply)		(bottom power supply)
	ED2894 L1/N 16A	ED2910 L1/N 16A	ED3108 pow. supply 2 cables L1/N 16A
	ED2902 L1/L2 16A	ED2928 L1/L2 16A	ED3116 pow. supply 3 cables L1/L2/L3 16A
	-	-	ED3124 pow. supply 4 cables L1/L2/L3/N 16A
	-	-	ED3355 pow. supply 2 cables L1/N 40A
	-	-	ED3363 pow. supply 3 cables L1/L2/L3 40A
	-	-	ED3371 pow. supply 4 cables L1/L2/L3/N 71A
Circuit-breaker	(top/bottom power supply)		-
Tmax XT1	ED2217 L1 Top/L2 Bottom	-	-
	ED2225 L2 Top/L1 Bottom	-	-
	ED2233 L3 Top/N Bottom	-	-
Residual current	ED2241 N Top/L3 Bottom	-	-
Solenoid operator	ED2373 False pole module	-	-
	ED2381 False pole module	-	-
Circuit-breaker	(top power supply)		(bottom power supply)
Tmax XT3	ED2290 L1	ED2332 L1	-
	ED2308 L2	ED2340 L2	-
	ED2316 L3	ED2357 L3	-
Residual current	ED2324 N	ED2365 N	-
	ED2373 False pole module	-	-

<sup>(1)</sup> Select circuit-breakers in version with front terminals for copper cables.



## Subdistribution boards

System pro E® energy Combi

Uniclic plug-in distribution system, overview

### Uniclic plug-in distribution system

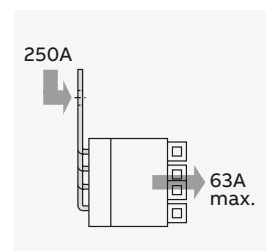
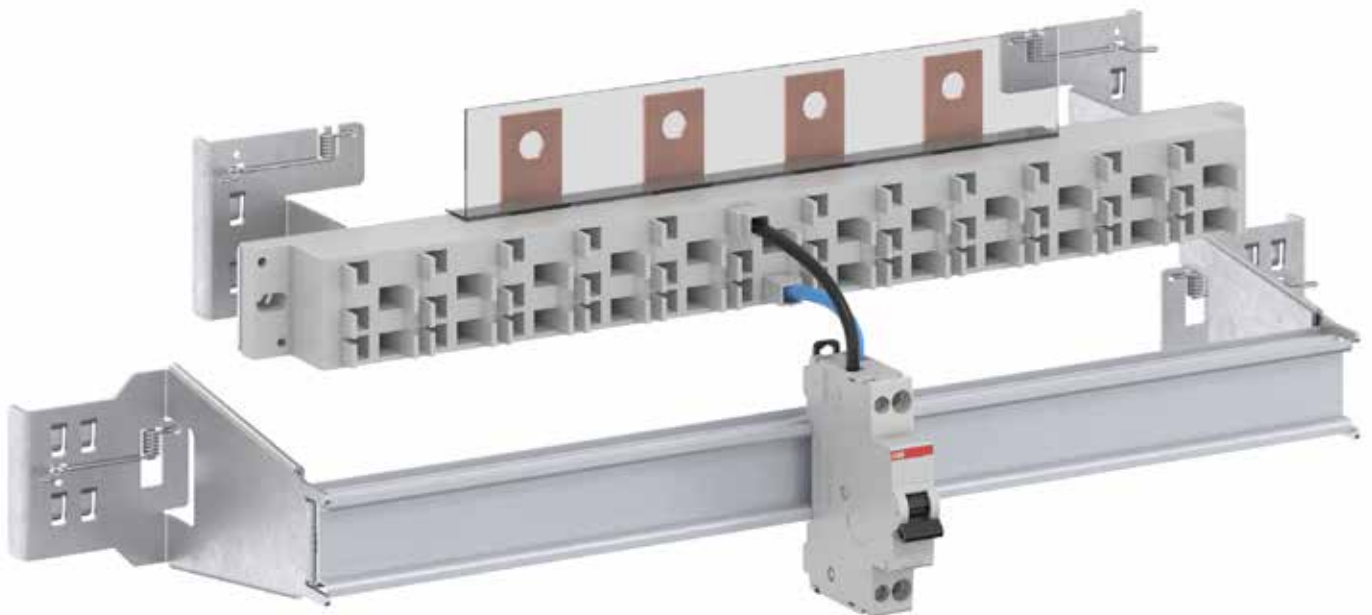
Uniclic is a secondary plug-in distribution system of 250A, 660V~ 60kA peak. Uniclic is a busbar for modular devices such as MCBs as for comfort functions.

Uniclic can be positioned between the DIN-rails, independent on the type of system enclosure: System pro E energy, TwinLine N, System pro E power and others.

The main advantage of Uniclic is the safety aspect (IP20):

adding or removing electrical circuits in a panel board without disconnecting the power. All outgoing circuits stay in the operational function, due to the fact that all operations are done using the insulated click connection, without touching the live parts, not even when using an insulated tool.

The Uniclic distribution system is suitable for integration in all system enclosures conform to IEC 60439-1.



## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Uniclic plug-in distribution system



### Material:

- Connecting Lugs, copper, uncoated
- Housing / Body, PC+PU resin, grey
- Protective Profile, PVC, clear
- Nominal Voltage, 400 V
- Nominal Current, 250 A
- $I_{cw}$  (1 sec.) 10kA /  $I_{pk}$  61kA
- Degree of protection IP20

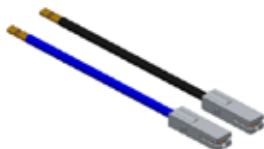
Additional information		Order details				
Width	Dimensions (mm) L×W×H	Description	Type code	Order code	Price	Pcs.
UNICLIC_block 24 modules 3P+2N	422×40×50	Uniclic 250A 36-24	Uniclic 250A 36-24	2CDL701001R0250		1
UNICLIC_block 36 modules 3P+2N	616×40×50	Uniclic 250A 54-36	Uniclic 250A 54-36	2CDL701001R2250		1



### Material:

- brackets, sheet steel, 2 mm

Additional information		Order details				
Description		Type code	Order code	Price	Pcs.	
Mounting brackets for UNICLIC_block Bracket for Moduclic 600/800		QAMB000P2	1SZE980160B0250		1	



### Material:

- Connector plug with cable
- Body of the connector, PC, grey
- Contact connector, bronze, uncoated
- Cable identification, H07V-K,
- Nominal current, 6mm<sup>2</sup> (40 A), 10mm<sup>2</sup> (63 A)
- Nominal Voltage 450/750 V
- Cable lug, End sleeve, Brass pressed
- Cable length 120 mm & 320 mm

Additional information				Order details			
Description	Cables	Cable section (mm <sup>2</sup> )	Cable length	Type code	Order code	Price	Pcs.
Cable with stripped end	10 black cables	6	120	Uniclic-CW 6/120	2CDL701302R0120		1
	10 blue cables	6	120	Uniclic-CW 6/120 N	2CDL701301R0120		1
	10 black cables	10	120	Uniclic-CW 10/120	2CDL701302R1120		1
	10 black cables	10	120	Uniclic-CW 10/120 N	2CDL701301R1120		1
Cable with stripped end	10 black cables	6	320	Uniclic-CW 6/320	2CDL701302R0320		1
	10 blue cables	6	320	Uniclic-CW 6/320 N	2CDL701301R0320		1
	10 black cables	10	320	Uniclic CW 10/320	2CDL701302R1320		1
	10 black cables	10	320	Uniclic-CW 10/320 N	2CDL701301R1320		1



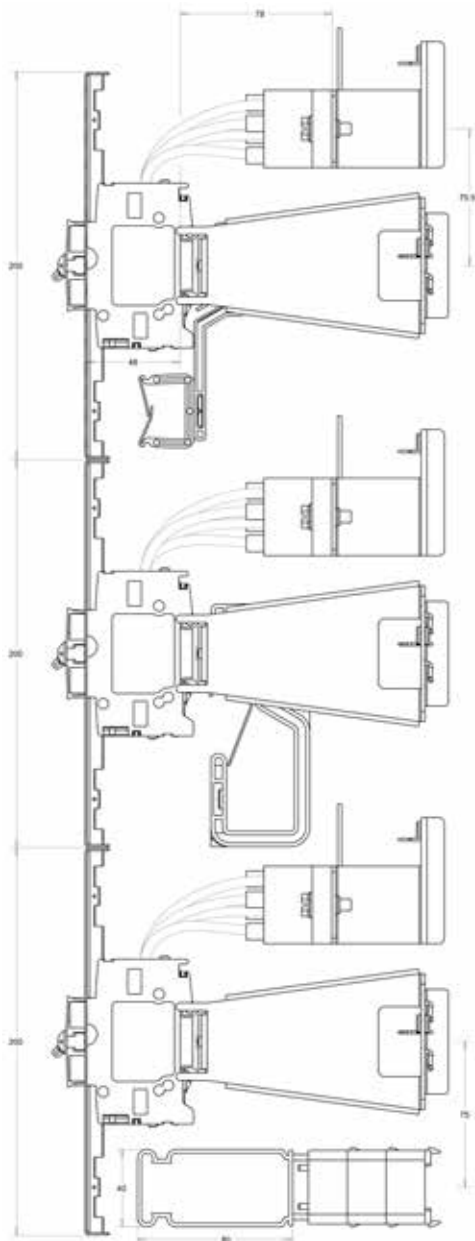
Additional information		Quantity included	Order details			
Description			Type code	Order code	Price	Pcs.
Plugs						
Connector with insulated crimp, 1.5-2.5 mm <sup>2</sup>		20	Uniclic CP 2	2CDL701001R1002		1
Connector with insulated crimp, 4-6 mm <sup>2</sup>		20	Uniclic CP 6	2CDL701001R1006		1
Connector with insulated crimp, 6-10 mm <sup>2</sup>		20	Uniclic CP 10	2CDL701001R1010		1

## Subdistribution boards

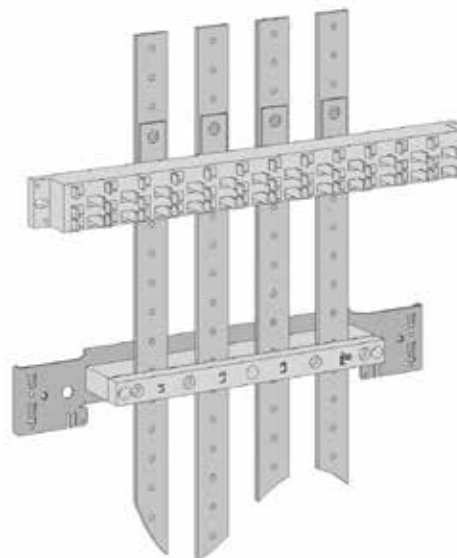
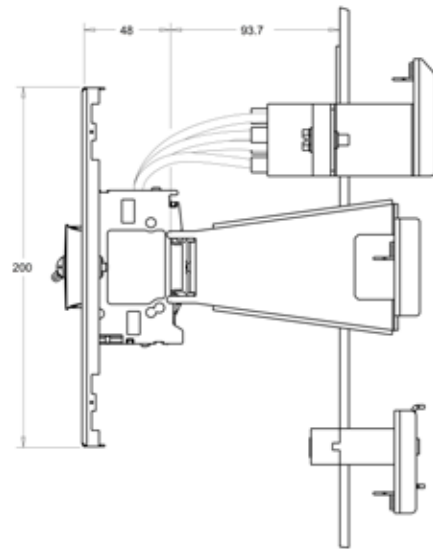
System pro E<sup>®</sup> energy Combi

Mounting of Uniclic

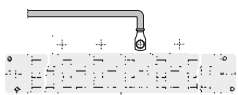
On DIN rail (step = 200 mm)



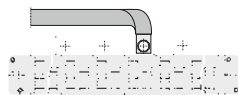
Direct on busbar (step = 200 mm)



### Incoming connections



Cable max. 70 mm<sup>2</sup> – 170 A

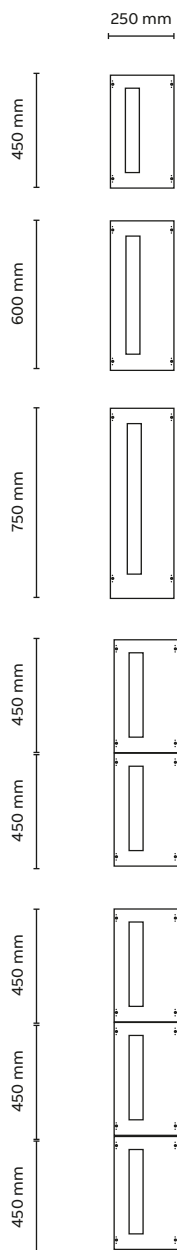


Flexibar 3 × 20 × 1 – 250 A

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Planning aid SMISLINE TP 125 A



Modules for the cabinets Type	Panel width	Panel height	Socket base length SU	Pieces
1x QXEV44501	400 mm	450 mm	22 SU	1
1x QXEV46001	400 mm	600 mm	30 SU	1
1x QXEV47501	400 mm	750 mm	38 SU	1
2x QXEV44501	400 mm	900 mm	46 SU	1
3x QXEV44501	400 mm	1350 mm	46 SU	1

### Planning note

When positioning incoming terminal blocks under cover joints, use the lower terminal blocks ZLS228 or ZLS229.

Vertical

Socket base starter kit				Socket base in individual parts	
Type	Order code	Pieces	Space units	Type	Order code
ZLS905E22-3L	2CCA183102R0001	2	8	ZLS908	2CCA183030R0001
		1	6	ZLS906	2CCA183035R0001
		1		ZLS920 (End part)	2CCA183017R0001
ZLS905E22-3LN*	2CCA183103R0001	3/4*		ZLS201E22 (Cu bus bar)	2CCF800165R0001
ZLS905E30-3L	2CCA183110R0001	3	8	ZLS908	2CCA183030R0001
		1	6	ZLS906	2CCA183035R0001
		1		ZLS920 (End part)	2CCA183017R0001
ZLS905E30-3LN*	2CCA183111R0001	3/4*		ZLS201E38 (Cu bus bar)	2CCF800173R0001
ZLS905E38-3L	2CCA183118R0001	4	8	ZLS908	2CCA183030R0001
		1	6	ZLS906	2CCA183035R0001
		1		ZLS920 (End part)	2CCA183017R0001
ZLS905E38-3LN*	2CCA183119R0001	3/4*		ZLS201E46 (Cu bus bar)	2CCF800177R0001
ZLS905E46-3L	2CCA183126R0001	5	8	ZLS908	2CCA183030R0001
		1	6	ZLS906	2CCA183035R0001
		1		ZLS920 (End part)	2CCA183017R0001
ZLS905E46-3LN*	2CCA183127R0001	3/4*		ZLS201E54 (Cu bus bar)	
ZLS905E46-3L	2CCA183126R0001	9	8	ZLS908	2CCA183030R0001
		1		ZLS920 (End part)	2CCA183017R0001
ZLS905E46-3LN*	2CCA183127R0001	3/4*		ZLS201E72 (Cu bus bar)	2CCF800190R0001

\* For version with N (4-pole)

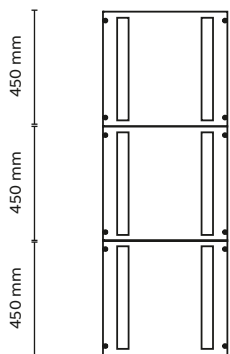
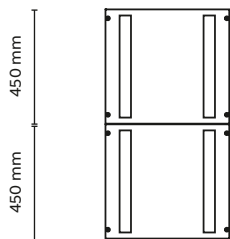
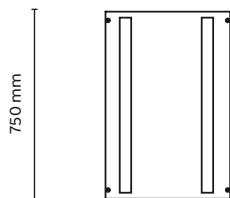
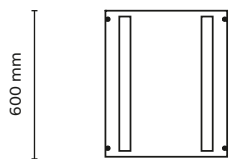
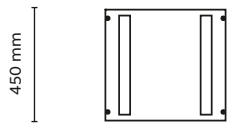
#### Planning note

Additional starter kit with AB-bus bar on demand.

## Subdistribution boards

System pro E® energy Combi

Planning aid SMISLINE TP 125 A



Modules for the cabinets Type	Panel width	Panel height	Socket base length SU	Pieces
1x QXEV64501	600 mm	450 mm	2 x 22 SU	2
1x QXEV84501	800 mm			2
1x QXEV66001	600 mm	600 mm	2 x 30 SU	2
1x QXEV86001	800 mm			2
1x QXEV67501	600 mm	750 mm	2 x 38 SU	2
1x QXEV87501	800 mm			2
2x QXEV44501	600 mm	900 mm	2 x 46 SU	2
3x QXEV84501	800 mm	1350 mm	2 x 72 SU	2

### Planning note

When positioning incoming terminal blocks under cover joints, use the lower terminal blocks ZLS228 or ZLS229.

Vertical

Socket base starter kit				Socket base in individual parts	
Type	Order code	Pieces	Space units	Type	Order code
ZLS905E22-3L	2CCA183102R0001	4	8	ZLS908	2CCA183030R0001
		2	6	ZLS906	2CCA183035R0001
		2	-	ZLS920 (End part)	2CCA183017R0001
ZLS905E22-3LN*	2CCA183103R0001	6/8*	-	ZLS201E22 (Cu bus bar)	2CCF800169R0001
ZLS905E30-3L	2CCA183110R0001	6	8	ZLS908	2CCA183030R0001
		2	6	ZLS906	2CCA183035R0001
		2	-	ZLS920 (End part)	2CCA183017R0001
ZLS905E30-3LN*	2CCA183111R0001	6/8*	-	ZLS201E38 (Cu bus bar)	2CCF800173R0001
ZLS905E38-3L	2CCA183118R0001	8	8	ZLS908	2CCA183030R0001
		2	6	ZLS906	2CCA183035R0001
		2	-	ZLS920 (End part)	2CCA183017R0001
ZLS905E38-3LN*	2CCA183119R0001	6/8*	-	ZLS201E54 (Cu bus bar)	
ZLS905E46-3L	2CCA183126R0001	10	8	ZLS908	2CCA183030R0001
		2	6	ZLS906	2CCA183035R0001
		2	-	ZLS920 (end piece)	2CCA183017R0001
ZLS905E46-3LN*	2CCA183127R0001	6/8*	-	ZLS201E46 (copper rail)	2CCF800177R0001
ZLS905E46-3L	2CCA183126R0001	18	8	ZLS908	2CCA183030R0001
		2	-	ZLS920 (End part)	2CCA183017R0001
ZLS905E46-3LN*	2CCA183127R0001	6/8*	-	ZLS201E72 (Cu bus bar)	2CCF800190R0001

\* For version with N (4-pole)

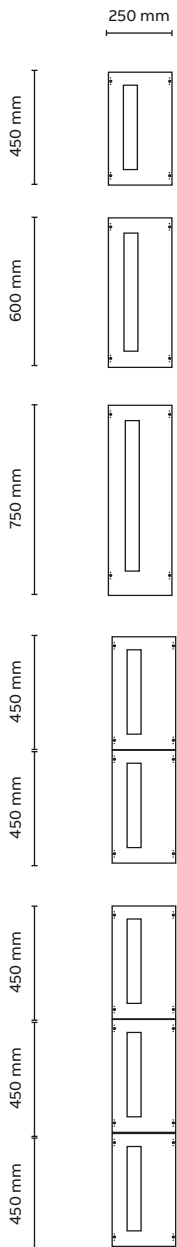
### Planning note

Additional starter kit with AB-bus bar on demand.

## Subdistribution boards

System pro E<sup>®</sup> energy Combi

Planning aid SMISLINE TP 250 A



Modules for the cabinets Type	Panel width	Panel height	Socket base length SU	Pieces
1x QXEV44502	400 mm	450 mm	22 SU	
1x QXEV46002	400 mm	600 mm	30 SU	1
1x QXEV47502	400 mm	750 mm	38 SU	1
2x QXEV44502	400 mm	900 mm	46 SU	1
3x QXEV44502	400 mm	1350 mm	72 SU	1

### Planning note

When positioning incoming terminal blocks under cover joints, use the lower terminal blocks ZLS228 or ZLS229.

Vertical



Socket base starter kit				Socket base in individual parts	
Type	Order code	Pieces	Space units	Type	Order code
ZLSP905E30-3L	2CCF212200A0001	3	8	ZLSP908	2CCF212052A0001
		1	6	ZLSP906	2CCF212053A0001
		1		ZLSP920 (End part)	2CCF212082A0001 Socket
ZLSP905E30-3LN*	2CCF212300A0001	3/4*		ZLSP1 250E30	2CCF212100M0030
ZLSP905E38-3L	2CCF212204A0001	4	8	ZLSP908	2CCF212052A0001
		1	6	ZLSP906	2CCF212053A0001
		1		ZLSP920 (End part)	2CCF212082A0001 Socket
ZLSP905E38-3LN*	2CCF212304A0001	3/4*		ZLSP1 250E38	2CCF212100M0038
ZLSP905E46-3L	2CCA183126R0001	5	8	ZLSP908	2CCF212052A0001
		1	6	ZLSP906	2CCF212053A0001
		1		ZLSP920 (End part)	2CCF212082A0001 Socket
ZLSP905E46-3LN*	2CCA183127R0001	3/4*		ZLSP1 250E46	2CCF212100M0046
ZLSP905E46-3L	2CCA183126R0001	9	8	ZLSP908	2CCF212052A0001
				ZLSP906	2CCF212053A0001
		1		ZLSP920 (End part)	2CCF212082A0001 Socket
ZLSP905E46-3LN*	2CCA183127R0001	3/4*		ZLSP1 250E72	2CCF212100M0072

\* For version with N (4-pole)

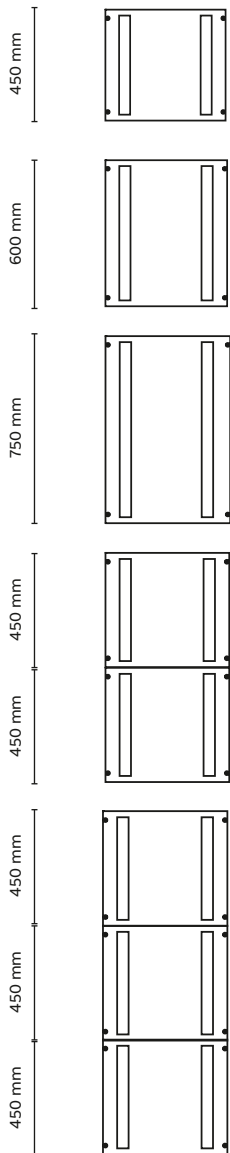
#### Planning note

Additional starter kit with AB-bus bar on demand.

## Subdistribution boards

System pro E® energy Combi

Planning aid SMISLINE TP 250 A



Modules for the cabinets Type	Panel width	Panel height	Socket base length SU	Pieces
1x QXEV64502	600 mm	450 mm	2x 22 SU	
1x QXEV84502	800 mm			
1x QXEV66002	600 mm	600 mm	2x 30 SU	2
1x QXEV86002	800 mm			2
1x QXEV67502	600 mm	750 mm	2x 38 SU	2
1x QXEV87502	800 mm			2
2x QXEV64502	600 mm	900 mm	2x 46 SU	2
2x QXEV84502	800 mm			2
3x QXEV64502	600 mm	1350 mm	2x 72 SU	2
3x QXEV84502	800 mm			2

### Planning note

When positioning incoming terminal blocks under cover joints, use the lower terminal blocks ZLS228 or ZLS229.

Vertical

Socket base starter kit				Socket base in individual parts	
Type	Order code	Pieces	Space units	Type	Order code
ZLSP905E30-3L	2CCA183110R0001	6	8	ZLSP908	2CCF212052A0001
		2	6	ZLSP906	2CCF212053A0001
		2		ZLSP920 (End part)	2CCF212082A0001 Socket
		6/8*		ZLSP1 250E30	2CCF212100M0030
ZLSP905E38-3L	2CCA183118R0001	8	8	ZLSP908	2CCF212052A0001
		2	6	ZLSP906	2CCF212053A0001
		2		ZLSP920 (End part)	2CCF212082A0001 Socket
ZLSP905E38-3LN*	2CCA183119R0001	6/8*		ZLSP1 250E38	2CCF212100M0038
ZLSP905E46-3L	2CCA183126R0001	10	8	ZLSP908	2CCF212052A0001
		2	6	ZLSP906	2CCF212053A0001
		2		ZLSP920 (End part)	2CCF212082A0001 Socket
ZLSP905E46-3LN*	2CCA183127R0001	6/8*		ZLSP1 250E46	2CCF212100M0046
ZLSP905E46-3L	2CCA183126R0001	18	8	ZLSP908	2CCF212052A0001
				ZLSP906	2CCF212053A0001
		2		ZLSP920 (End part)	2CCF212082A0001 Socket
ZLSP905E46-3LN*	2CCA183127R0001	6/8*		ZLSP1 250E72	2CCF212100M0072

\* For version with N (4-pole)

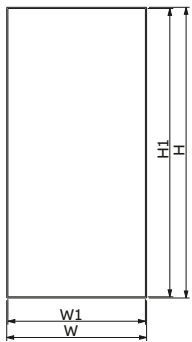
#### Planning note

Additional starter kit with AB-bus bar on demand.

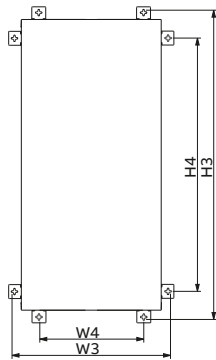
# Subdistribution boards

## System pro E<sup>®</sup> energy L Dimensions of cabinets

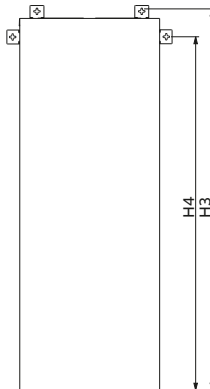
**Front view**  
Wall-mounting and floor-standing cabinet  
External/internal dimensions



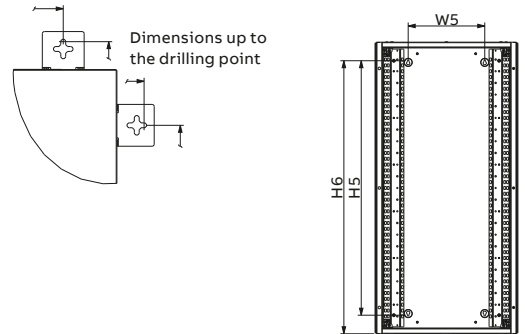
**Front view**  
Wall-mounting cabinet  
Wall fastening dimensions



**Front view**  
Floor-standing cabinet  
Wall fastening dimensions



**Front view**  
External fastening  
Detail



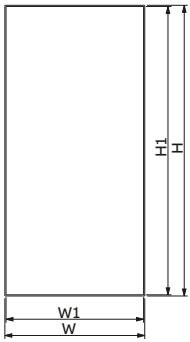
Cabinet			External dimensions				Wall fastening dimensions					
H	W	D	H1	W1	D1	H3	W3	H4	W4	W5	H5	H6
600	400	250	649	385	250	731	466	490	235	112	490	570
800	400	250	849	385	250	931	466	690	235	112	690	770
1000	400	250	1049	385	250	1131	466	890	235	112	890	970
1200	400	250	1249	385	250	1331	466	1090	235	112	1090	1170
1400	400	250	1449	385	250	1531	466	1290	235	112	1290	1370
1600	400	250	1649	385	250	1731	466	1490	235	112	1490	1570
1800	400	250	1849	385	250	1931	466	1690	235	112	1690	1770
2000	400	250	2049	385	250	2131	466	1890	235	112	1890	1970
600	600	250	649	600	250	731	682	490	451	328	490	570
800	600	250	849	600	250	931	682	690	451	328	690	770
1000	600	250	1049	600	250	1131	682	890	451	328	890	970
1200	600	250	1249	600	250	1331	682	1090	451	328	1090	1170
1400	600	250	1449	600	250	1531	682	1290	451	328	1290	1370
1600	600	250	1649	600	250	1731	682	1490	451	328	1490	1570
1800	600	250	1849	600	250	1931	682	1690	451	328	1690	1770
2000	600	250	2049	600	250	2131	682	1890	451	328	1890	1970
600	800	250	649	817	250	731	898	490	667	544	490	570
800	800	250	849	817	250	931	898	690	667	544	690	770
1000	800	250	1049	817	250	1131	898	890	667	544	890	970
1200	800	250	1249	817	250	1331	898	1090	667	544	1090	1170
1400	800	250	1449	817	250	1531	898	1290	667	544	1290	1370
1600	800	250	1649	817	250	1731	898	1490	667	544	1490	1570
1800	800	250	1849	817	250	1931	898	1690	667	544	1690	1770
2000	800	250	2049	817	250	2131	898	1890	667	544	1890	1970

# Subdistribution boards

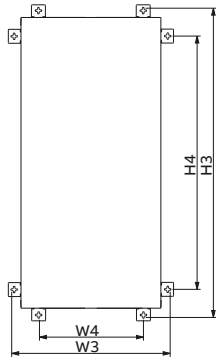
System pro E® energy M

Dimensions of cabinets

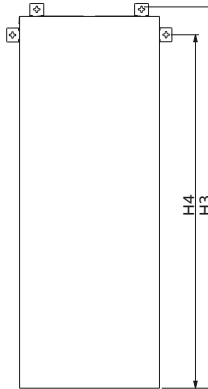
**Front view**  
Wall-mounting and floor-standing cabinet  
External/internal dimensions



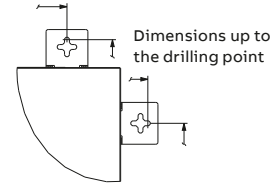
**Front view**  
Wall-mounting cabinet  
Wall fastening dimensions



**Front view**  
Floor-standing cabinet  
Wall fastening dimensions



**Front view**  
External fastening  
Detail



Cabinet		External dimensions				Wall fastening dimensions			
H	W	D	H1	W1	D1	H3	W3	H4	W4
600	400	250	649	396	250	731	478	490	235
800	400	250	849	396	250	931	478	690	235
1000	400	250	1049	396	250	1131	478	890	235
1200	400	250	1249	396	250	1331	478	1090	235
1400	400	250	1449	396	250	1531	478	1290	235
1600	400	250	1649	396	250	1731	478	1490	235
1800	400	250	1849	396	250	1931	478	1690	235
2000	400	250	2049	396	250	2131	478	1890	235
600	600	250	649	612	250	731	694	490	451
800	600	250	849	612	250	931	694	690	451
1000	600	250	1049	612	250	1131	694	890	451
1200	600	250	1249	612	250	1331	694	1090	451
1400	600	250	1449	612	250	1531	694	1290	451
1600	600	250	1649	612	250	1731	694	1490	451
1800	600	250	1849	612	250	1931	694	1690	451
2000	600	250	2049	612	250	2131	694	1890	451
600	800	250	649	828	250	731	910	490	667
800	800	250	849	828	250	931	910	690	667
1000	800	250	1049	828	250	1131	910	890	667
1200	800	250	1249	828	250	1331	910	1090	667
1400	800	250	1449	828	250	1531	910	1290	667
1600	800	250	1649	828	250	1731	910	1490	667
1800	800	250	1849	828	250	1931	910	1690	667
2000	800	250	2049	828	250	2131	910	1890	667

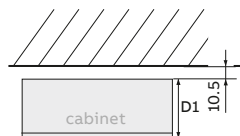
## Subdistribution boards

System pro E<sup>®</sup> energy L

Power loss and weights of cabinets

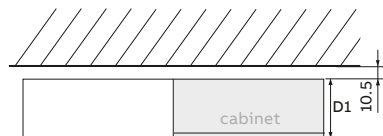
### Type of installation

Separate cabinet wall mounted



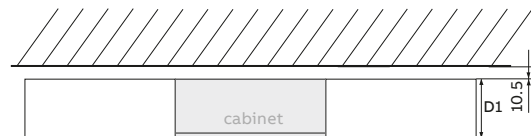
### Type of installation

First or last cabinet wall mounted



### Type of installation

Central cabinet wall mounted



Cabinet types Height×Width×Depth in mm	Power loss in Watt												Cabinet weight in kg		Max. installation weight in kg
	Separate cabinet wall mounted				First or last cabinet wall mounted				Central cabinet wall mounted						
	25 °C	30 °C	35 °C	40 °C	25 °C	30 °C	35 °C	40 °C	25 °C	30 °C	35 °C	40 °C	With door	Without door	
600×400×250	31	45	59	74	33	47	62	77	30	44	57	72	19.4	14.3	15
800×400×250	38	55	72	91	40	57	76	95	37	53	70	88	23.8	17.6	20
1000×400×250	45	65	86	107	47	68	90	113	44	63	83	104	28.3	21	31
1200×400×250	38	55	72	91	40	58	76	95	37	53	70	87	32.8	24.4	37
1400×400×250	45	64	85	106	47	67	88	111	43	62	82	103	37.7	28.2	43
1600×400×250	51	73	97	121	54	77	102	128	49	70	93	116	42.1	31.5	48
1800×400×250	59	85	112	140	63	89	118	148	56	80	106	133	46.8	35.1	60
2000×400×250	67	96	126	158	71	101	134	168	64	91	121	151	51.5	38.7	72
600×600×250	42	60	80	100	40	57	75	94	37	51	71	89	24.4	17.4	30
800×600×250	51	72	95	120	48	68	90	113	44	64	84	105	29.8	21.2	40
1000×600×250	49	69	91	115	45	65	85	107	43	62	82	103	35.4	25.3	63
1200×600×250	55	78	103	130	52	74	97	122	49	71	94	117	40.7	29.1	75
1400×600×250	62	88	116	146	57	81	107	135	53	76	100	126	46.5	33.4	85
1600×600×250	71	102	135	169	66	95	125	157	62	89	117	147	51.9	37.2	95
1800×600×250	84	119	158	198	76	109	144	181	71	101	134	168	57.6	41.4	120
2000×600×250	94	134	176	221	87	125	165	207	81	116	153	191	63.2	45.4	130
600×800×250	54	77	102	128	52	74	97	122	49	70	92	116	29.9	21.1	45
800×800×250	55	79	104	130	53	75	99	125	51	73	97	121	36.2	25.4	61
1000×800×250	64	92	121	152	61	87	115	144	59	85	112	140	42.9	30	95
1200×800×250	75	107	142	178	71	102	135	169	68	98	129	162	49.3	34.4	112
1400×800×250	88	126	166	208	82	117	155	194	78	111	147	184	56.1	39.2	129
1600×800×250	98	141	186	233	93	133	176	221	89	128	169	212	62.5	43.5	145
1800×800×250	107	153	201	253	101	145	191	240	96	138	182	229	69.2	48.2	180
2000×800×250	119	170	225	282	113	162	214	268	109	156	206	259	75.7	52.7	195

## Subdistribution boards

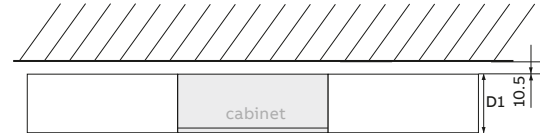
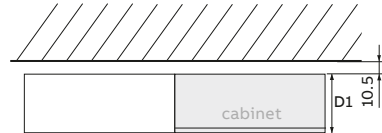
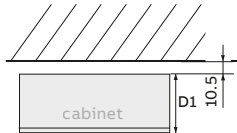
System pro E<sup>®</sup> energy M

Power loss and weights of cabinets

**Type of installation**  
Separate cabinet wall mounted

**Type of installation**  
First or last cabinet wall mounted

**Type of installation**  
Central cabinet wall mounted



Cabinet types Height×Width×Depth in mm	Power loss in Watt												Cabinet weight in kg		Max. installation weight in kg
	Separate cabinet wall mounted				First or last cabinet wall mounted				Central cabinet wall mounted						
	25 °C	30 °C	35 °C	40 °C	25 °C	30 °C	35 °C	40 °C	25 °C	30 °C	35 °C	40 °C	With door	Without door	
600×400×250	31	45	59	74	33	47	62	77	30	44	57	72	19.3	14.2	15
800×400×250	38	55	72	91	40	57	76	95	37	53	70	88	23.4	17.2	20
1000×400×250	45	65	86	107	47	68	90	113	44	63	83	104	27.9	20.6	31
1200×400×250	38	55	72	91	40	58	76	95	37	53	70	87	32.4	24	37
1400×400×250	45	64	85	106	47	67	88	111	43	62	82	103	36.9	27.4	43
1600×400×250	51	73	97	121	54	77	102	128	49	70	93	116	41.3	30.7	48
1800×400×250	59	85	112	140	63	89	118	148	56	80	106	133	46.0	34.3	60
2000×400×250	67	96	126	158	71	101	134	168	64	91	121	151	50.3	37.5	72
600×600×250	42	60	80	100	40	57	75	94	37	51	71	89	24.2	17.2	30
800×600×250	51	72	95	120	48	68	90	113	44	64	84	105	29.3	20.7	40
1000×600×250	49	69	91	115	45	65	85	107	43	62	82	103	34.8	24.7	63
1200×600×250	55	78	103	130	52	74	97	122	49	71	94	117	40.1	28.5	75
1400×600×250	62	88	116	146	57	81	107	135	53	76	100	126	45.5	32.4	85
1600×600×250	71	102	135	169	66	95	125	157	62	89	117	147	50.9	36.2	95
1800×600×250	84	119	158	198	76	109	144	181	71	101	134	168	56.9	40.7	120
2000×600×250	94	134	176	221	87	125	165	207	81	116	153	191	61.9	44.1	130
600×800×250	54	77	102	128	52	74	97	122	49	70	92	116	29.4	20.6	45
800×800×250	55	79	104	130	53	75	99	125	51	73	97	121	35.4	24.6	61
1000×800×250	64	92	121	152	61	87	115	144	59	85	112	140	41.9	29	95
1200×800×250	75	107	142	178	71	102	135	169	68	98	129	162	48.3	33.4	112
1400×800×250	88	126	166	208	82	117	155	194	78	111	147	184	54.7	37.8	129
1600×800×250	98	141	186	233	93	133	176	221	89	128	169	212	61.2	42.2	145
1800×800×250	107	153	201	253	101	145	191	240	96	138	182	229	67.7	46.7	180
2000×800×250	119	170	225	282	113	162	214	268	109	156	206	259	74.1	51.1	195

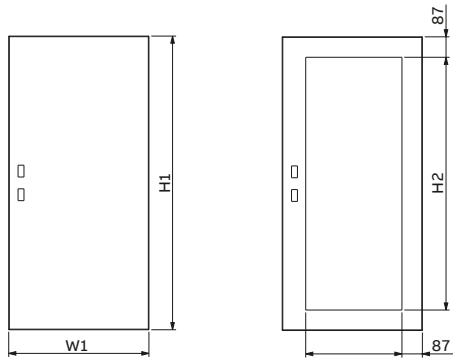
## Subdistribution boards

System pro E® energy L and M

Plain Doors – Dimensions and weights

External dimensions

Dimensions of usable connection area



Sheet steel doors Type	External dimensions Height×Width in mm		Internal dimensions Height×Width in mm		Max. installation weight	
	H1	W1	H2	W2	Weight in kg	in kg
Q855D406	642	377	468	190	5.1	5.0
Q855D408	842	377	668	190	6.2	5.0
Q855D410	1042	377	868	190	7.3	5.0
Q855D412	1242	377	1068	190	8.4	5.0
Q855D414	1442	377	1268	190	9.5	5.0
Q855D416	1642	377	1468	190	10.6	5.0
Q855D418	1842	377	1668	190	11.7	5.0
Q855D420	2042	377	1868	190	12.8	5.0
Q855D606	642	593	468	406	7.0	5.0
Q855D608	842	593	668	406	8.6	5.0
Q855D610	1042	593	868	406	10.1	5.0
Q855D612	1242	593	1068	406	11.6	5.0
Q855D614	1442	593	1268	406	13.1	5.0
Q855D616	1642	593	1468	406	14.7	5.0
Q855D618	1842	593	1668	406	16.2	5.0
Q855D620	2042	593	1868	406	17.8	5.0
Q855D806	642	809	468	622	8.8	7.5
Q855D808	842	809	668	622	10.8	7.5
Q855D810	1042	809	868	622	12.9	7.5
Q855D812	1242	809	1068	622	14.9	7.5
Q855D814	1442	809	1268	622	16.9	7.5
Q855D816	1642	809	1468	622	19.0	7.5
Q855D818	1842	809	1668	622	21.0	7.5
Q855D820	2042	809	1868	622	23.0	7.5



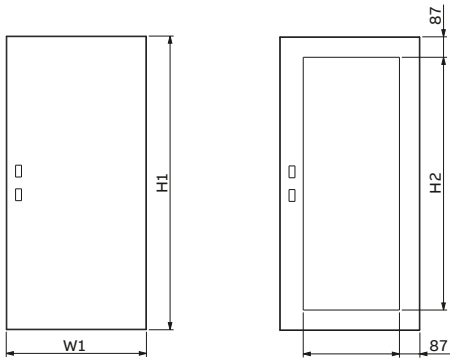
## Subdistribution boards

System pro E® energy L and M

Transparent Doors – Dimensions and weights

External dimensions

Transparent area



Transparent doors Type	External dimensions Height×Width in mm		Internal dimensions Height×Width in mm		Max. installation weight	
	H1	W1	H2	W2	Weight in kg	in kg
Q855G406	642	377	468	190	5.1	5.0
Q855G408	842	377	668	190	6.2	5.0
Q855G410	1042	377	868	190	7.3	5.0
Q855G412	1242	377	1068	190	8.4	5.0
Q855G414	1442	377	1268	190	9.5	5.0
Q855G416	1642	377	1468	190	10.6	5.0
Q855G418	1842	377	1668	190	11.7	5.0
Q855G420	2042	377	1868	190	12.8	5.0
Q855G606	642	593	468	406	7.0	5.0
Q855G608	842	593	668	406	8.6	5.0
Q855G610	1042	593	868	406	10.1	5.0
Q855G612	1242	593	1068	406	11.6	5.0
Q855G614	1442	593	1268	406	13.1	5.0
Q855G616	1642	593	1468	406	14.7	5.0
Q855G618	1842	593	1668	406	16.2	5.0
Q855G620	2042	593	1868	406	17.8	5.0
Q855G806	642	809	468	622	8.8	7.5
Q855G808	842	809	668	622	10.8	7.5
Q855G810	1042	809	868	622	12.9	7.5
Q855G812	1242	809	1068	622	14.9	7.5
Q855G814	1442	809	1268	622	16.9	7.5
Q855G816	1642	809	1468	622	19.0	7.5
Q855G818	1842	809	1668	622	21.0	7.5
Q855G820	2042	809	1868	622	23.0	7.5

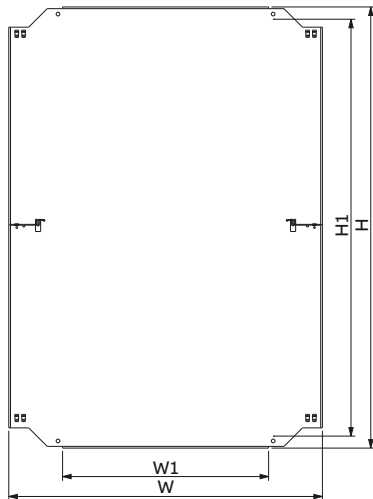
## Subdistribution boards

System pro E<sup>®</sup> energy L and M

Mounting plates

External dimensions / Usable connection area

Mounting plate

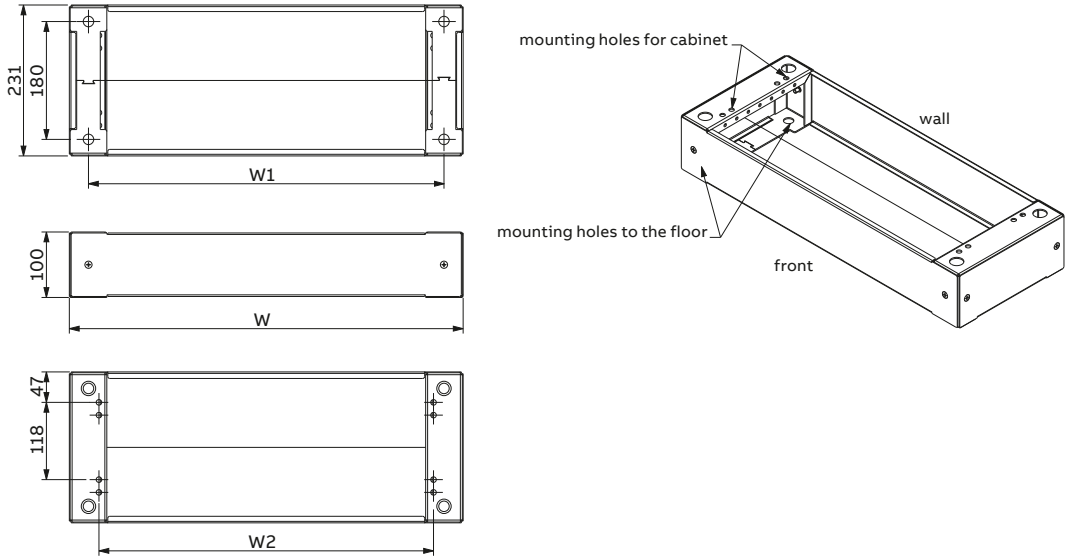


Transparent doors Type	External dimensions Height×Width in mm		Viewing area Height×Width in mm		Weight in kg
	W	W1	H	H1	
QM0403000	335	146	275	235	1.4
QM0601500	551	362	125	85	1.1
QM0602000	551	362	175	135	1.5
QM0602500	551	362	250	185	2.0
QM0603000	551	362	275	235	2.4
QM0604000	551	362	375	335	3.4
QM0605000	551	362	475	435	4.2
QM0606000	551	362	575	535	5.2
QM0608000	551	362	775	735	6.9
QM0609000	551	362	875	835	7.8
QM0610000	551	362	975	935	8.7
QM0801500	767	578	125	85	1.6
QM0802000	767	578	175	135	2.2
QM0802500	767	578	250	185	2.9
QM0803000	767	578	275	235	3.5
QM0804000	767	578	375	335	4.7
QM0805000	767	578	475	435	5.9
QM0806000	767	578	575	535	7.2
QM0808000	767	578	775	735	9.6
QM0809000	767	578	875	835	10.8
QM0810000	767	578	975	935	12.1

## Subdistribution boards

System pro E<sup>®</sup> energy L and M  
Plinth

External/internal dimensions  
Plinth

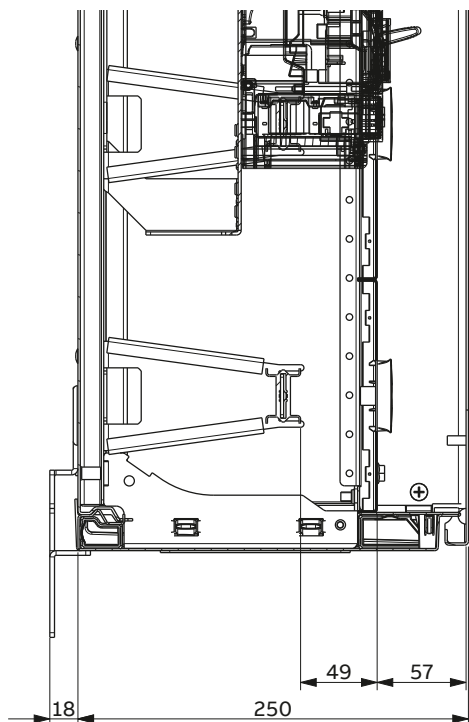
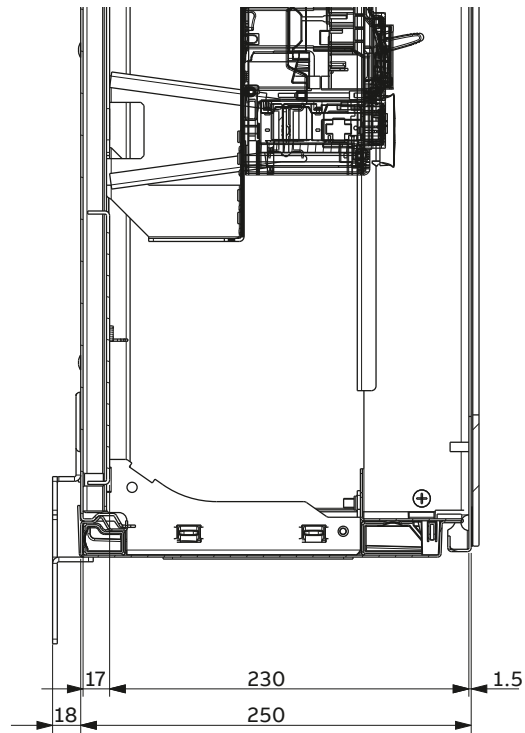


Type	External dimensions Width×Depth in mm		Internal dimensions Width×Depth in mm		Weight in kg
	W	W1	W2		
Q855P401	386	327	295		2.6
Q855P601	602	543	511		3.2
Q855P801	816	759	727		3.6

## Subdistribution boards

System pro E<sup>®</sup> energy L

Side View

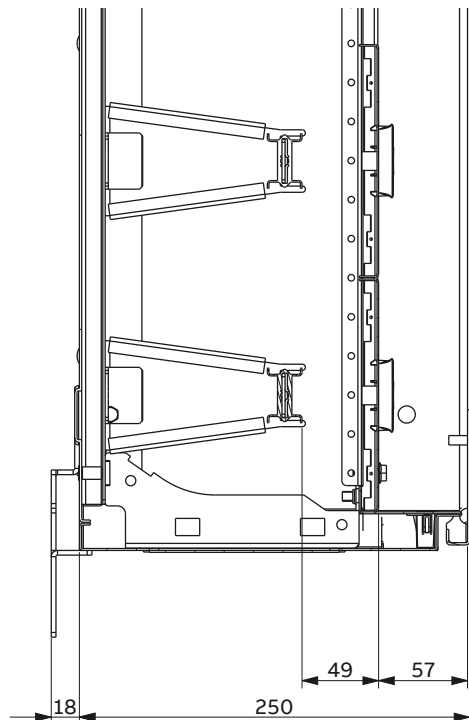
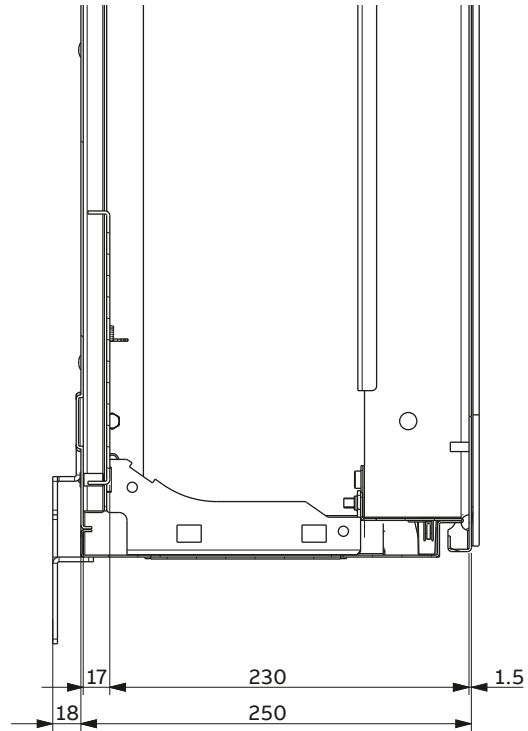


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## Subdistribution boards

System pro E<sup>®</sup> energy M

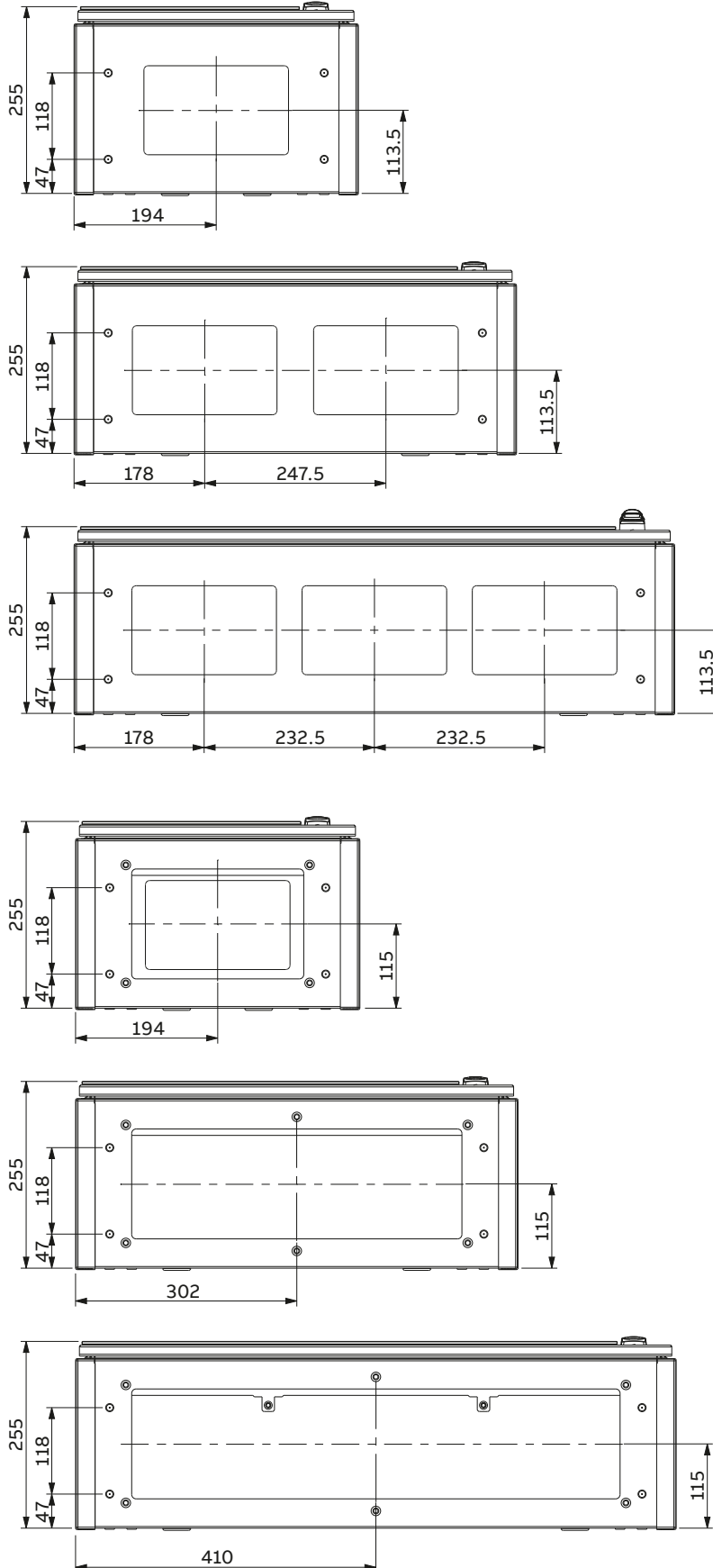
Side View



## Subdistribution boards

System pro E<sup>®</sup> energy L

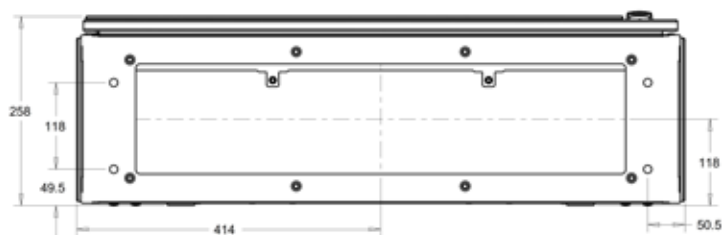
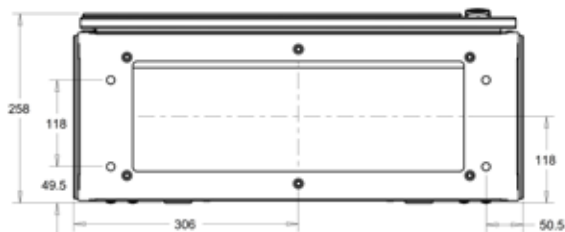
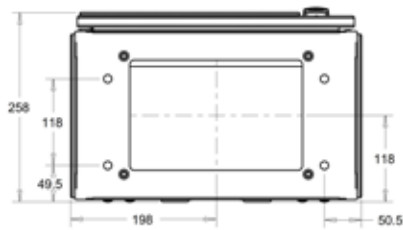
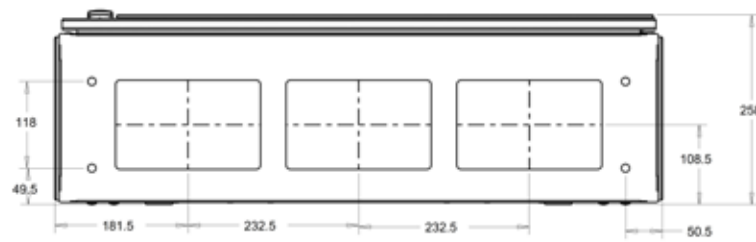
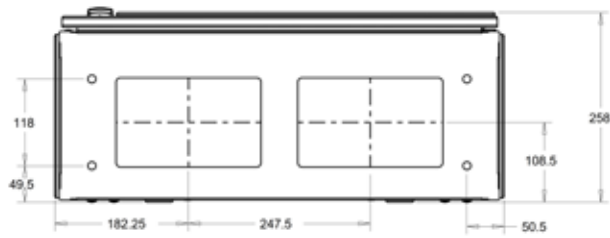
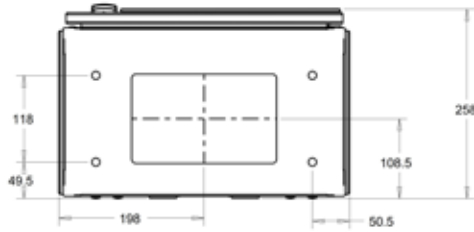
Top and Bottom views



## Subdistribution boards

System pro E® energy M

Top and Bottom views



## Subdistribution boards

### System pro E<sup>®</sup> energy L and M Transport by Crane

—  
Lifting of the System pro E<sup>®</sup> energy is possible as indicated. Always use the ABB transportation lugs type ESAC3006P4 and for side-by-side structures lifting, use the reinforcement. Also consider the weight limits of the cabinets.

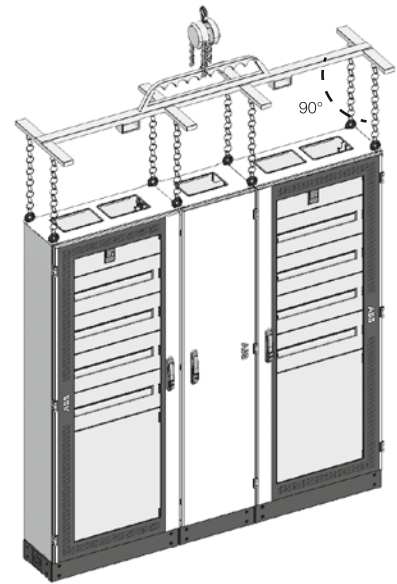
max. 150 kg



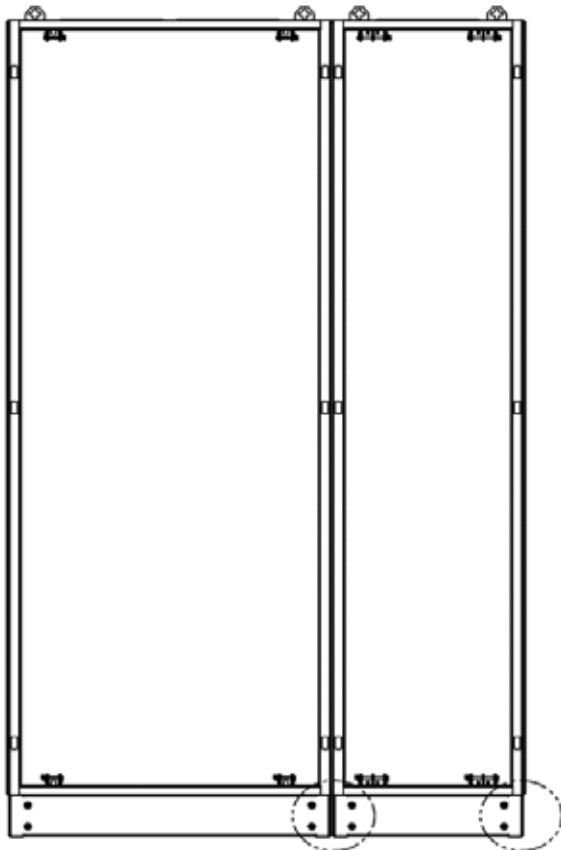
max. 180 kg



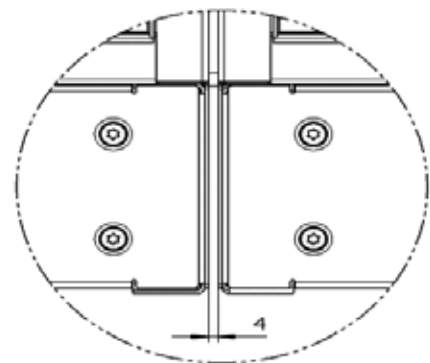
max. 420 kg



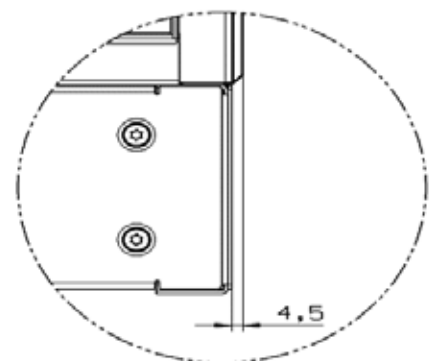
max. cabinet combinations  
800 + 400 + 800 mm, wide cabinets



A (1:2)



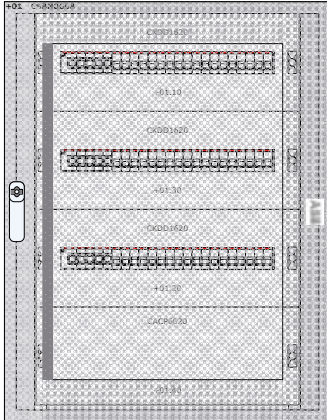
B (1:2)





## Subdistribution boards

System pro E<sup>®</sup> energy L and M  
Configuration examples



### System pro E<sup>®</sup> energy L - IP43

Panel (800 × 600 × 250 mm)

Description	Order details			
	Type	Order code	Price	Pcs.
Cabinets: Back + Side panels W600 H800	Q843B608	1SZE430800B0100		1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011		1
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H800	Q855G608	1SZE990920B0100		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H200	QCC062001	1SZE980010B0150		1

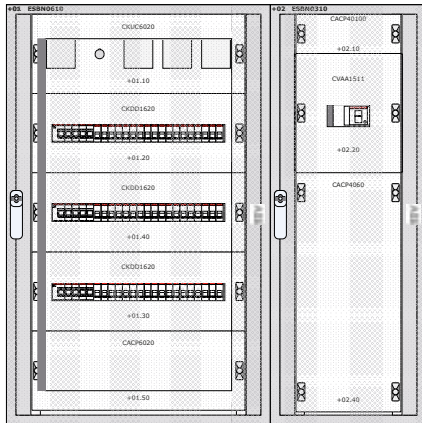
### System pro E<sup>®</sup> energy M - IP55

Panel (800 × 600 × 250 mm)

Description	Order details			
	Type	Order code	Price	Pcs.
Cabinet: Monoblock enclosure W600 H800	Q855B608	1SZE550800B0100		1
Side wall System pro E energy M H800	Q855S008	1SZE550801B0020		1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H800	Q855G608	1SZE990920B0100		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H200	QCC062001	1SZE980010B0150		1

## Subdistribution boards

System pro E<sup>®</sup> energy L and M  
Configuration examples



### System pro E<sup>®</sup> energy L - IP43

Panel (1000 × 600 × 250 mm + 1000 × 400 × 250 mm)

System pro E<sup>®</sup> Combi with busbar 250 A

Description	Order details		
	Type	Order code	Price Pcs.
Cabinets: Back + Side panels W600 H1000	Q843B610	1SZE430800B0110	1
Ext: Back + Coupling profiles W400 H1000	Q843E410	1SZE430801B0030	1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011	1
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014	1
Top & Bottom plain w/ pre-knock-out W400	Q843T411	1SZE430802B0010	2
Flange for 52 entries	TZ101	2CPX010450R9999	2
Flange 1 cable sl. 14-68mm	TZ112	2CPX010852R9999	1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021	1
Door transparent W600 H1000	Q855G610	1SZE990920B0110	1
Door transparent W400 H1000	Q855G410	1SZE990920B0030	1
Cover plain W600 H50	QCC060501	1SZE980010B0120	1
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040	1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060	3
Cover plain W600 H200	QCC062001	1SZE980010B0150	1
Cover plain W400 H100	QCC041001	1SZE980010B0020	1
Tmax XT3 3/4p Vert W400 H300	QB3V43000	1SZE980040B0030	1
Cover plain W400 H600	QCC046001	1SZE980010B0090	1
Busbar holder V. 200/400 W Flat/Stairc.	QR6V4FS01	1SZE980120B0070	3
No.2 flat busbar 250 A	BR0250		1

### System pro E<sup>®</sup> energy M - IP55

Panel (1000 × 600 × 250 mm + 1000 × 400 × 250 mm)

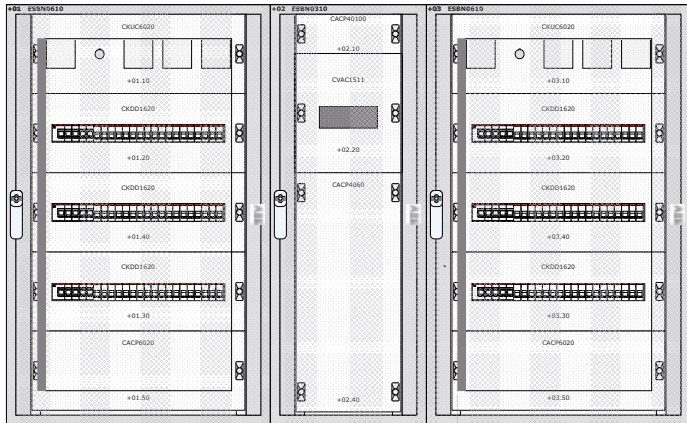
System pro E<sup>®</sup> Combi with busbar 250 A

Description	Order details		
	Type	Order code	Price Pcs.
Cabinet: Monoblock enclosure W600 H1000	Q855B610	1SZE550800B0110	1
Cabinet: Monoblock enclosure W400 H1000	Q855B410	1SZE550800B0030	1
Side wall System pro E energy M H1000	Q855S010	1SZE550801B0030	1
Cabinet Connection set for Wall IP55	Q855E00W	1SZE550800B0310	1
Flange for 52 entries	TZ101	2CPX010450R9999	2
Flange 1 cable sl. 14-68mm	TZ112	2CPX010852R9999	1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021	1
Door transparent W600 H1000	Q855G610	1SZE990920B0110	1
Door transparent W400 H1000	Q855G410	1SZE990920B0030	1
Cover plain W600 H50	QCC060501	1SZE980010B0120	1
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040	1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060	3
Cover plain W600 H200	QCC062001	1SZE980010B0150	1
Cover plain W400 H100	QCC041001	1SZE980010B0020	1
Tmax XT3 3/4p Vert W400 H300	QB3V43000	1SZE980040B0030	1
Cover plain W400 H600	QCC046001	1SZE980010B0090	1
Busbar holder V. 200/400 W Flat/Stairc.	QR6V4FS01	1SZE980120B0070	3
No.2 flat busbar 250 A	BR0250		1

## Subdistribution boards

System pro E<sup>®</sup> energy L and M

Configuration examples



### System pro E<sup>®</sup> energy L - IP43

Panel (1000 × 600 × 250 mm + 1000 × 400 × 250 mm+ 100 × 600× 250 mm)

System pro E<sup>®</sup> Combi with busbar 250 A

Description	Order details		
	Type	Order code	Price Pcs.
Cabinets: Back + Side panels W600 H1000	Q843B610	1SZE430800B0110	2
Ext: Back + Coupling profiles W400 H1000	Q843E410	1SZE430801B0030	1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011	2
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014	2
Top & Bottom plain w/ pre-knock-out W400	Q843T411	1SZE430802B0010	2
Flange for 52 entries	TZ101	2CPX010450R9999	4
Flange 1 cable sl. 14-68mm	TZ112	2CPX010852R9999	1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021	2
Door transparent W600 H1000	Q855G610	1SZE990920B0110	2
Door transparent W400 H1000	Q855G410	1SZE990920B0030	1
Cover plain W600 H50	QCC060501	1SZE980010B0120	2
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040	2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060	6
Cover plain W600 H200	QCC062001	1SZE980010B0150	2
Cover plain W400 H100	QCC041001	1SZE980010B0020	1
Tmax XT3 3/4p Vert W400 H300	QB3V43000	1SZE980040B0030	1
Cover plain W400 H600	QCC046001	1SZE980010B0090	1
Busbar holder V. 200/400 W Flat/Stairc.	QR6V4FS01	1SZE980120B0070	3
No.2 flat busbar 250 A	BR0250		1

### System pro E<sup>®</sup> energy M - IP55

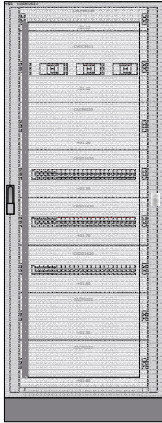
Panel (1000 × 600 × 250 mm + 1000 × 400 × 250 mm+ 100 × 600× 250 mm)

System pro E<sup>®</sup> Combi with busbar 250 A

Description	Order details		
	Type	Order code	Price Pcs.
Cabinet: Monoblock enclosure W600 H1000	Q855B610	1SZE550800B0110	2
Cabinet: Monoblock enclosure W400 H1000	Q855B410	1SZE550800B0030	1
Side wall System pro E energy M H1000	Q855S010	1SZE550801B0030	1
Cabinet Connection set for Wall IP55	Q855E00W	1SZE550800B0310	2
Flange for 52 entries	TZ101	2CPX010450R9999	4
Flange 1 cable sl. 14-68mm	TZ112	2CPX010852R9999	1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021	2
Door transparent W600 H1000	Q855G610	1SZE990920B0110	2
Door transparent W400 H1000	Q855G410	1SZE990920B0030	1
Cover plain W600 H50	QCC060501	1SZE980010B0120	2
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040	2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060	6
Cover plain W600 H200	QCC062001	1SZE980010B0150	2
Cover plain W400 H100	QCC041001	1SZE980010B0020	1
Tmax XT3 3/4p Vert W400 H300	QB3V43000	1SZE980040B0030	1
Cover plain W400 H600	QCC046001	1SZE980010B0090	1
Busbar holder V. 200/400 W Flat/Stairc.	QR6V4FS01	1SZE980120B0070	3
No.2 flat busbar 250 A	BR0250		1

## Subdistribution boards

System pro E<sup>®</sup> energy L and M  
Configuration examples



### System pro E<sup>®</sup> energy L - IP43

Panel (1600 × 600 × 250 mm)

System pro E<sup>®</sup> Combi with busbar 250 A

Description	Order details		
	Type	Order code	Price Pcs.
Cabinets: Back + Side panels W600 H1600	Q843B616	1SZE430800B0140	1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011	1
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014	1
Flange for 52 entries	TZ101	2CPX010450R9999	2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021	1
Door transparent W600 H1600	Q855G616	1SZE990920B0140	1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020	1
Cover plain W600 H50	QCC060501	1SZE980010B0120	1
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040	1
3 Tmax XT2 3/4p Vert W800 H300	QB2V63003	1SZE980040B0260	1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060	3
Cover plain W600 H200	QCC062001	1SZE980010B0150	1
Tmax XT4 3/4p Vert W600 H300	QB4V63000	1SZE980040B0120	1
Cover plain W600 H100	QCC061001	1SZE980010B0130	1
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030	3
No.2 flat busbar 250 A	BR0250		4

### System pro E<sup>®</sup> energy M - IP55

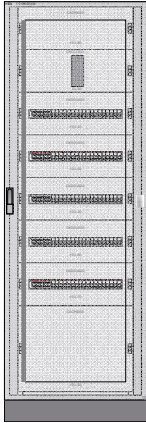
Panel (1600 × 600 × 250 mm)

System pro E<sup>®</sup> Combi with busbar 250 A

Description	Order details		
	Type	Order code	Price Pcs.
Cabinet: Monoblock enclosure W600 H1600	Q855B616	1SZE550800B0140	1
Side wall System pro E energy M H1600	Q855S016	1SZE550801B0060	1
Flange for 52 entries	TZ101	2CPX010450R9999	2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021	1
Door transparent W600 H1600	Q855G616	1SZE990920B0140	1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020	1
Cover plain W600 H50	QCC060501	1SZE980010B0120	1
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040	1
3 Tmax XT2 3/4p Vert W800 H300	QB2V63003	1SZE980040B0260	1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060	3
Cover plain W600 H200	QCC062001	1SZE980010B0150	1
Tmax XT4 3/4p Vert W600 H300	QB4V63000	1SZE980040B0120	1
Cover plain W600 H100	QCC061001	1SZE980010B0130	1
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030	3
No.2 flat busbar 250 A	BR0250		4

## Subdistribution boards

System pro E<sup>®</sup> energy L and M  
Configuration examples



### System pro E<sup>®</sup> energy L - IP43

Panel (1800 × 600 × 250 mm)

System pro E<sup>®</sup> Combi with busbar 250 A

Description	Order details			
	Type	Order code	Price	Pcs.
Cabinets: Back + Side panels W600 H1800	Q843B618	1SZE430800B0150		1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011		1
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		1
Flange for 52 entries	TZ101	2CPX010450R9999		2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H1800	Q855G618	1SZE990920B0150		1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		1
Cover plain W600 H200	QCC062001	1SZE980010B0150		1
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		5
Cover plain W600 H400	QCC064001	1SZE980010B0180		1
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030		4
No.2 flat busbar 250 A	BR0250			4

### System pro E<sup>®</sup> energy M - IP55

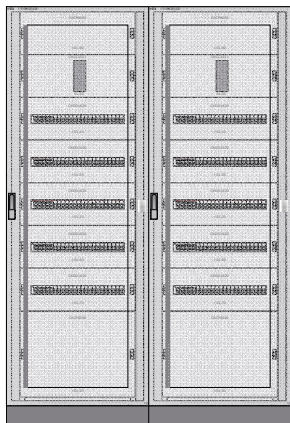
Panel (1800 × 600 × 250 mm)

System pro E<sup>®</sup> Combi with busbar 250 A

Description	Order details			
	Type	Order code	Price	Pcs.
Cabinet: Monoblock enclosure W600 H1800	Q855B618	1SZE550800B0150		1
Side wall System pro E energy M H1800	Q855S018	1SZE550801B0070		1
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		1
Flange for 52 entries	TZ101	2CPX010450R9999		2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H1800	Q855G618	1SZE990920B0150		1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		1
Cover plain W600 H200	QCC062001	1SZE980010B0150		1
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		5
Cover plain W600 H400	QCC064001	1SZE980010B0180		1
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030		4
No.2 flat busbar 250 A	BR0250			4

## Subdistribution boards

System pro E<sup>®</sup> energy L and M  
Configuration examples



### System pro E<sup>®</sup> energy L - IP43

Panel (1800 × 600 × 250 mm + 1800 × 600 × 250 mm)

System pro E<sup>®</sup> Combi with busbar 630 A

Description	Order details			
	Type	Order code	Price	Pcs.
Cabinets: Back + Side panels W600 H1800	Q843B618	1SZE430800B0150		1
Ext: Back + Coupling profiles W600 H1800	Q843E618	1SZE430801B0150		1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011		2
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		2
Flange for 52 entries	TZ101	2CPX010450R9999		4
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		2
Door transparent W600 H1800	Q855G618	1SZE990920B0150		2
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		2
Cover plain W600 H200	QCC062001	1SZE980010B0150		2
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		10
Cover plain W600 H400	QCC064001	1SZE980010B0180		2
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030		8
No.2 flat busbar 250 A	BR0250			8

### System pro E<sup>®</sup> energy M - IP55

Panel (1800 × 600 × 250 mm + 1800 × 600 × 250 mm)

System pro E<sup>®</sup> Combi with busbar 630 A

Description	Order details			
	Type	Order code	Price	Pcs.
Cabinet: Monoblock enclosure W600 H1800	Q855B618	1SZE550800B0150		2
Coupling set for Floorstanding IP55	Q855E00F	1SZE550800B0320		1
Side wall System pro E energy M H1800	Q855S018	1SZE550801B0070		1
Flange for 52 entries	TZ101	2CPX010450R9999		4
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		2
Door transparent W600 H1800	Q855G618	1SZE990920B0150		2
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		2
Cover plain W600 H200	QCC062001	1SZE980010B0150		2
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		10
Cover plain W600 H400	QCC064001	1SZE980010B0180		2
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030		8
No.2 flat busbar 250 A	BR0250			8
No.2 flat busbar 250 A	BR0250			8

## Subdistribution boards

System pro E® energy L and M  
Configuration examples



### System pro E® energy L - IP55

Panel (1800 × 600 × 250 mm + 1800 × 400 × 250 mm)

System pro E® Combi with busbar 630 A

Description	Order details		
	Type	Order code	Price Pcs.
Cabinets: Back + Side panels W600 H1800	Q843B618	1SZE430800B0150	1
Ext: Back + Coupling profiles W400 H1800	Q843E418	1SZE430801B0070	1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011	2
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014	2
Top & Bottom plain w/ pre-knock-out W400	Q843T411	1SZE430802B0010	2
Flange for 52 entries	TZ101	2CPX010450R9999	2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021	1
Door transparent W600 H1800	Q855G618	1SZE990920B0150	1
Door plain W400 H1800	Q855D418	1SZE990910B0070	1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020	2
Plinth 100 mm height W400	Q855P401	1SZE990940B0010	2
Cover plain W600 H200	QCC062001	1SZE980010B0150	2
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340	2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060	10
Cover plain W600 H400	QCC064001	1SZE980010B0180	2
Cover plain W400 H600	QCC046001	1SZE980010B0090	3
Busbar holder V. 200/400 W Shaped/Stairc	QR8V4SS01	1SZE980120B0060	6
No.2 shaped busbar 400 A	BA0400		4

### System pro E® energy M - IP55

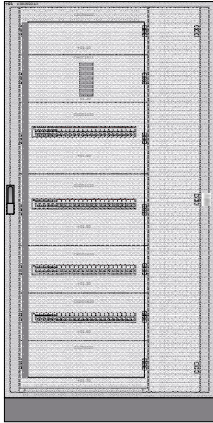
Panel (1800 × 600 × 250 mm + 1800 × 400 × 250 mm)

System pro E® Combi with busbar 630 A

Description	Order details		
	Type	Order code	Price Pcs.
Cabinet: Monoblock enclosure W600 H1800	Q855B618	1SZE550800B0150	1
Cabinet: Monoblock enclosure W400 H1800	Q855B418	1SZE550800B0070	1
Side wall System pro E energy M H1800	Q855S018	1SZE550801B0070	1
Coupling set for Floorstanding IP55	Q855E00F	1SZE550800B0320	1
Flange for 52 entries	TZ101	2CPX010450R9999	2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021	1
Door transparent W600 H1800	Q855G618	1SZE990920B0150	1
Door plain W400 H1800	Q855D418	1SZE990910B0070	1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020	2
Plinth 100 mm height W400	Q855P401	1SZE990940B0010	2
Cover plain W600 H200	QCC062001	1SZE980010B0150	2
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340	2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060	10
Cover plain W600 H400	QCC064001	1SZE980010B0180	2
Cover plain W400 H600	QCC046001	1SZE980010B0090	3
Busbar holder V. 200/400 W Shaped/Stairc	QR8V4SS01	1SZE980120B0060	6
No.2 shaped busbar 400 A	BA0400		4
No.2 shaped busbar 400 A	BA0400		4

## Subdistribution boards

System pro E<sup>®</sup> energy L and M  
Configuration examples



### System pro E<sup>®</sup> energy L - IP43

Panel (1800 × 800 × 250 mm with integrated cable compartment)  
System pro E<sup>®</sup> Combi with busbar 250 A

Description	Order details			
	Type	Order code	Price	Pcs.
Cabinets: Back + Side panels W800 H1800	Q843B818	1SZE430800B0230		1
Integrated cable compartment H1800	Q830I218	1SZE990930B0070		1
Top & Bottom plain w/ pre-knock-out W800	Q843T811	1SZE430802B0012		1
Top & Bottom BIG Entry space W800	Q843T821	1SZE430802B0015		1
Flange for 52 entries	TZ101	2CPX010450R9999		3
Flange metal TL Flange W800	Q855F821	1SZE990900B0031		1
Door transparent W800 H1800	Q855G818	1SZE990920B0230		1
Plinth 100 mm height W800	Q855P801	1SZE990940B0030		2
Cover plain W600 H100	QCC061001	1SZE980010B0130		1
3 Tmax XT2 3/4p Vert W800 H300	QB2V63003	1SZE980040B0260		1
Cover plain W600 H100	QCC061001	1SZE980010B0130		1
Kit DIN 2R W600 H300	QDS263000	1SZE980020B0080		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H300	QCC063001	1SZE980010B0170		1
Busbar holder V. 200/400 W Shaped/Stairc	QR8V4SS01	1SZE980120B0060		6
No.2 shaped busbar 400 A	BA0400			4

### System pro E<sup>®</sup> energy M - IP55

Panel (1800 × 800 × 250 mm with integrated cable compartment)  
System pro E<sup>®</sup> Combi with busbar 250 A

Description	Order details			
	Type	Order code	Price	Pcs.
Cabinet: Monoblock enclosure W800 H1800	Q855B818	1SZE550800B0230		1
Integrated cable compartment H1800	Q830I218	1SZE990930B0070		1
Side wall System pro E energy M H1800	Q855S018	1SZE550801B0070		1
Flange for 52 entries	TZ101	2CPX010450R9999		3
Flange metal TL Flange W800	Q855F821	1SZE990900B0031		1
Door transparent W800 H1800	Q855G818	1SZE990920B0230		1
Plinth 100 mm height W800	Q855P801	1SZE990940B0030		2
Cover plain W600 H100	QCC061001	1SZE980010B0130		1
3 Tmax XT2 3/4p Vert W800 H300	QB2V63003	1SZE980040B0260		1
Cover plain W600 H100	QCC061001	1SZE980010B0130		1
Kit DIN 2R W600 H300	QDS263000	1SZE980020B0080		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H300	QCC063001	1SZE980010B0170		1
Busbar holder V. 200/400 W Shaped/Stairc	QR8V4SS01	1SZE980120B0060		6
No.2 shaped busbar 400 A	BA0400			4