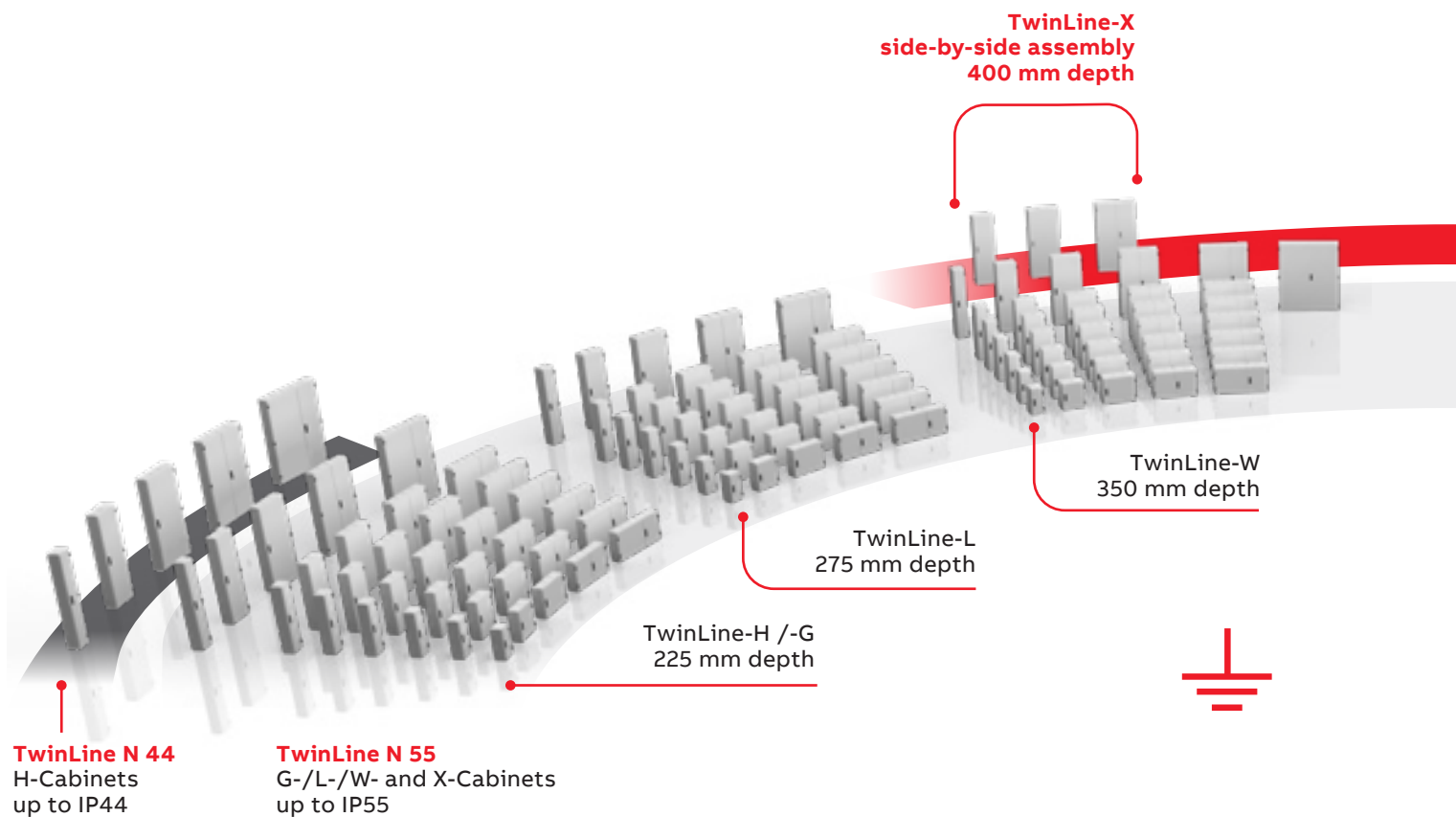


Floor-standing cabinets TwinLine

The complete cabinet system in all sizes

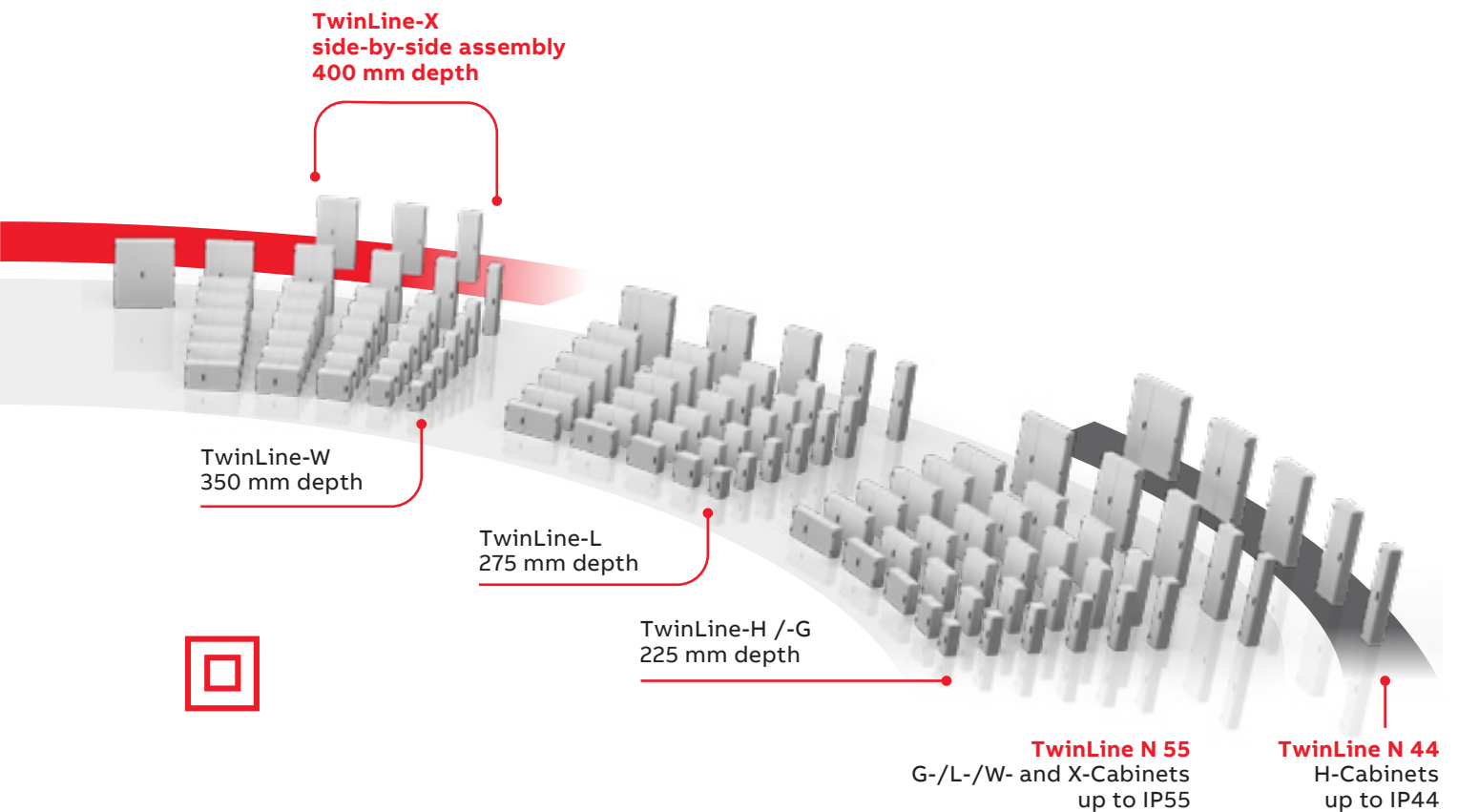


			TwinLine N 44					TwinLine N 55																				
Cabinet series			TwinLine-H					TwinLine-G					TwinLine-L					TwinLine-W					TwinLine-X					
Protection class			up to IP44					up to IP55					up to IP55					up to IP55					up to IP55					
Depth			225					225					275					350					400					
Width			300	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



- Cabinet depth 400 mm
- Flexible configuration thanks to side-by-side connection
- Earthed and double insulated
- Open side panel for optimal busbar feed-through
- Prepared to be fitted with the CombiLine N modules on WR mounting frame



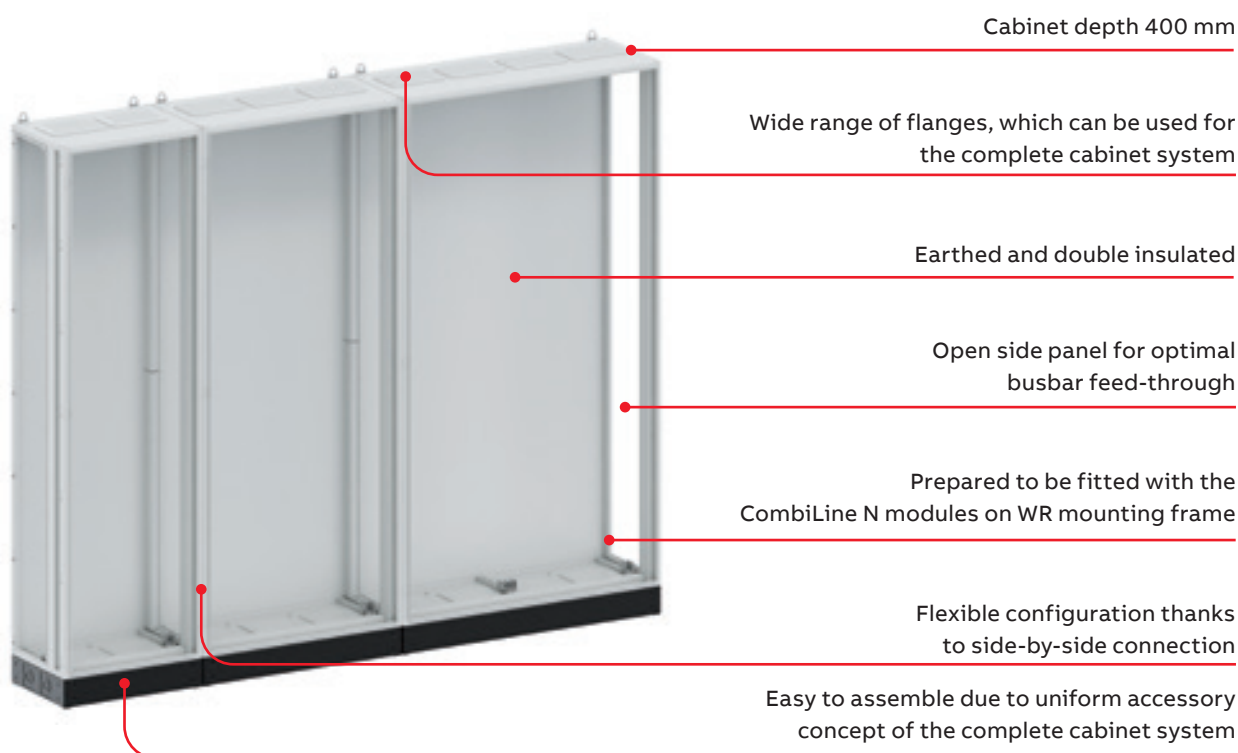
		TwinLine N 44					TwinLine N 55									
Cabinet series		TwinLine-H					TwinLine-G					TwinLine-L				
Protection class		up to IP44					up to IP55					up to IP55				
Depth		225					225					275				
Width		300	550	800	1050	1300	300	550	800	1050	1300	300	550	800	1050	1300
Height	RE 4	650	-	-	-	-	●	●	●	●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

> Dimension in mm

Floor-standing cabinets TwinLine N 55

TwinLine-X, side-by-side assembly,
cabinet depth 400 mm

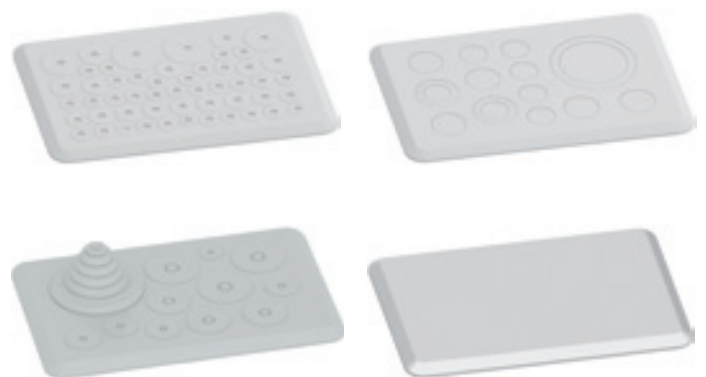
The TwinLine N wall-mounted and floor-standing enclosures for distribution board assembly meet practical requirements in every respect. With the TwinLine-X cabinet series, ABB STRIEBEL & JOHN is now expanding the TwinLine N 55 system with floor-standing cabinets with side-by-side assembly in an earthed and double insulated version. The new floor-standing enclosures with a depth of 400 mm ensure easy feed-through of busbars thanks to the continuously open side panel and offer an ease of assembly thanks to the uniform accessory concept of the TwinLine system.



A wide range of flanges offers more usable space for cable entry with an innovative flange technology for tool-free assembly

The following flange types are available:

- Membrane flanges
- Flanges for M-screw fittings
- Flanges with cable sleeves
- Closing flanges



Uniform fastening of internal configurations

- Uniform fastening of mounting plates or of WR mounting frames
- The position of the depth adjustment can be read from the mounting rail in a grid of 12.5 mm
- Internal configuration with CombiLine N modules to WR mounting frame



Continuous open side panels for lateral side-by-side assembly

- Possibility of side-by-side assemblies of all cabinets using open side panels
- Side-by-side assembly of both, earthed and double insulated versions
- Side panel (earthed and double insulated) available as accessory
- Connection set IP55 (earthed and double insulated) available as accessory



Floor-standing cabinets TwinLine N 55

TwinLine-X, side-by-side assembly, cabinet depth 400 mm



Floor-standing cabinets TwinLine N 55

Technical specifications and product features of the floor-standing cabinets

TwinLine-X with door, IP55,

Standards/regulations	DIN EN 62208, DIN EN 61439-1/-2/-3, DIN VDE 0660-600-1/-2/-3 ^{*1}
Mechanical impact strength	IK08 for the cabinet enclosure with sheet steel door IK07 in the area of flange knock-outs and for transparent doors
Environmental conditions	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
Enclosure and doors	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
Internal configuration options^{*2}	Prepared to be fitted with CombiLine modules to WR mounting frame and mounting plates
Delivery forms	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
Accessories	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

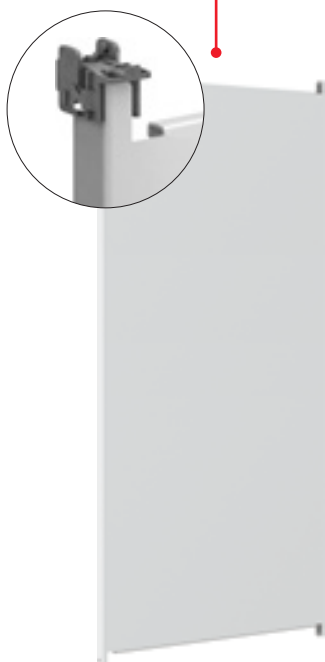
Floor-standing cabinets TwinLine N 55

Internal configuration TwinLine-X, side-by-side assembly,
cabinet depth 400 mm $\perp$



TX312G

Touch guard
to be ordered separately



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

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

Floor-standing cabinets TwinLine N 55

Internal configuration TwinLine-X, side-by-side assembly,
cabinet depth 400 mm, □



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

Floor-standing cabinets TwinLine N 55

TwinLine-X floor-standing cabinets, side-by-side assembly,
cabinet depth 400 mm ≡



- 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	Order code
TwinLine-X, cabinet depth 400 mm ≡							
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
 TX012G	Side panel for TwinLine-X, 1850 x 400	2	TZX012G	2CPX010987R9999
 TZ662	Connection set for side-by-side assemblys	1	TZ662	2CPX010989R9999

Floor-standing cabinets TwinLine N 55

TwinLine-X floor-standing cabinets, side-by-side assembly,
cabinet depth 400 mm 



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
TwinLine-X, cabinet depth 400 mm 							
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
 TX012S	Side panel for TwinLine-X		2	TZX012S	2CPX010988R9999
 TZ663	Connection set for side-by-side assemblys		1	TZ663	2CPX010994R9999

Floor-standing cabinets TwinLine N 55

IP55 flanges

Artikel		Stück	Type	Artikelnummer
 TZ101	Membrane flange			
	Material plastic			
	With 52 cable sleeves	1	TZ101	2CPX010450R9999
	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	10 100	TZ101P10 TZ101P100	2CPX010451R9999 2CPX010826R9999
 TZ110	With 8 membrane entries	1	TZ110	2CPX010850R9999
	For cables sections 8 x 13 – 34 mm	10	TZ110P10	2CPX010934R9999
 TZ111	With 12 membrane entries and 1 cable sleeve entry	1	TZ111	2CPX010851R9999
	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	10	TZ111P10	2CPX010935R9999
 TZ102	Flanges for M-screw joints			
	Material plastic			
	1 x M63/M50, 2 x M32/M20, 5 x M25, 5 x M20	1	TZ102	2CPX010452R9999
		10	TZ102P10	2CPX010453R9999
 TZ103	4 x M20/M25, 18 x M20	1	TZ103	2CPX010454R9999
		10	TZ103P10	2CPX010455R9999
 TZ112	Flanges with cable sleeves			
	Material plastic			
	With 1 cable sleeve	1	TZ112	2CPX010852R9999
	For cable diameter 1 x 14 to 68 mm			
	With 2 cable sleeve	1	TZ104	2CPX010456R9999
	For cable diameter 2 x 14 to 68 mm	10	TZ104P10	2CPX010932R9999
	With 3 cable sleeve	1	TZ105	2CPX010457R9999
	For cable diameter 3 x 14 to 54 mm	10	TZ105P10	2CPX010933R9999
 TZ107	Locking flanges			
	Material plastic	1	TZ107	2CPX010460R9999
		10	TZ107P10	2CPX010461R9999
	Material steel sheet	1	TZ106	2CPX010458R9999
 TZ106	For earthed cabinets	10	TZ106P10	2CPX010459R9999

Floor-standing cabinets TwinLine N 55

Socket for wall cabinets and standing cabinets

Article		Depth	Width		Unit	Type	Order code
		mm	PW	mm			
 TZX305	Base, height 50 mm, color RAL 9005 Für TwinLine-X, a base stiffener is included in the scope of delivery	400	2	550	1	TZX205	2CPX010981R9999
		400	3	800	1	TZX305	2CPX010982R9999
		400	4	1050	1	TZX405	2CPX010983R9999
 TZX310	Base, height 100 mm, color RAL 9005 Für TwinLine-X, Side knock-outs 2 x M32/M50 or 2 x 80 x 80 mm, a base stiffener is included in the scope of delivery	400	2	550	1	TZX210	2CPX010984R9999
		400	3	800	1	TZX310	2CPX010985R9999
		400	4	1050	1	TZX410	2CPX010986R9999
 TZ627P2	Base mounting lug To fasten the base to the cabinet from the outside For base height 50 mm and 100 mm				2	TZ627P2	2CPX010853R9999
 TZ323	Cable clamp rail For base, height 100 mm	1		250	1	TZ321	2CPX010473R9999
		2		500	1	TZ322	2CPX010474R9999
		3		750	1	TZ323	2CPX010475R9999
		4		1000	1	TZ324	2CPX010476R9999
		5		1250	1	TZ325	2CPX010477R9999
		6		1500	1	TZ326	2CPX010478R9999
 ZK143	Bolt clamp 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

Floor-standing cabinets TwinLine N 55

Lock replacement parts

Article			Unit	Type	Order code
 TZ507	 TZ508	Key plates for actuation pins			
		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
 ZH130	 ZH132	Actuating pins			
		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
 ZH134	 ZH137	Rectangular 6 mm	1	ZH134	2CPX060494R9999
		Rectangular 7 mm	1	ZH135	2CPX060495R9999
		Rectangular 8 mm	1	ZH136	2CPX060496R9999
		Daimler-Benz	1	ZH137	2CPX060497R9999
 TZ503	 TZ504	L-handle			
		With key plate, with lock	1	TZ503	2CPX010487R9999
		With key plate, without lock	1	TZ504	2CPX010488R9999
 TZ505	 TZ506	T-handle			
		With key plate, with lock	1	TZ505	2CPX010489R9999
		With key plate, without lock	1	TZ506	2CPX010490R9999
 TZ510		Swivel handle For profile half cylinder 40 mm (30/10) with sealing cap	1	TZ510	2CPX010494R9999
 ZH142		Blindeinsatz Instead of a profile half cylinder for swivel handle TZ510	1	ZH142	2CPX060502R9999

* Replacement part included in the scope of delivery

Floor-standing cabinets TwinLine N 55

Lock replacement parts

Article		Unit	Type	Order code
 ZH91	Universal key	1	ZH91	2CPX066091R9999
	Double bit 3 mm/5 mm			
	Triangular 8 mm, square 6 mm/8 mm			
	Double bit 3 mm*	1	ZH160	2CPX060660R9999
	Double bit 5 mm	1	ZH161	2CPX060661R9999
	Triangle 7 mm	1	ZH157	2CPX060657R9999
	Triangle 8 mm	1	ZH158	2CPX060658R9999
	Rectangular 6 mm	1	ZH162	2CPX060662R9999
	Rectangular 7 mm	1	ZH163	2CPX060663R9999
	Rectangular 8 mm	1	ZH164	2CPX060664R9999
 ZH160	 ZH157			
 ZH162	 ZH165			
 TZ212	Rod lock	1	TZ212	2CPX010468R9999
	12 OH = 1800 mm with lock body*			
 TZ511	Rod guide*	1	TZ511	2CPX010495R9999
 TZ501	Bumper shoe*	1	TZ501	2CPX010485R9999
	For rod lock			
 TZ502	Rubber seal *	1	TZ502	2CPX010486R9999
	For double door			

* Replacement part included in the scope of delivery

Floor-standing cabinets TwinLine N 55

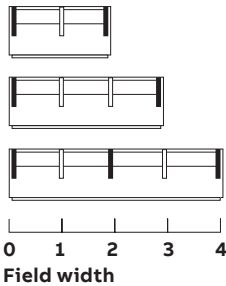
General accessories

Article		Unit	Unmounted		installed in the cabinet*	
			Type	Order code	Type	Order code
 TZ660	Mounting strips**1 For mounting frame holder For TwinLine X	1	TZ660	2CPX010991R9999	TZ660A	2CPX010993R9999
		10	TZ660P10	2CPX010992R9999	-	-
 TZ604	Mounting frame holder middle*1, incl. mounting bolts 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	-	-
 TZ605	Mounting frame holder*1 left or right, incl. mounting bolts 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	-	-
 TZ631P10	Mounting bolt**2 For TZ604 mounting frame holder in the middle	10	TZ631P10	2CPX010930R9999	-	-
 TZ632P10	Mounting bolt**2 For TZ605 mounting frame holder right or left	10	TZ632P10	2CPX010931R9999	-	-
 TZ313	Cable clamp rails For mounting in the cabinet					
	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

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

*1 Additionally required depending on the expansion; see below for details

*2 Included in the scope of delivery



Position of the mounting strips
with mounting frame holder
Top view

Factory-installed

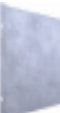
Mounting strips with left and right mounting frame brackets, as well as an additional mounting strip for cabinets with field width 4 and above

Can be retrofitted

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

Floor-standing cabinets TwinLine N 55

General accessories

Article		Unit	Type	Order code
 ZW125P4	External mounting lugs* To mount the cabinet on the wall	4	ZW125P4	2CPX062461R9999
 TZ615P4	Transport eye bolts	4	TZ615P4	2CPX010510R9999
 TZ630P10	Pin for door hinge 180 degrees*	10	TZ630P10	2CPX010929R9999
 ZL8	Door earthing set 10 mm ²	1	ZL8	2CPX038001R9999
 TZ617P10	Sealing plugs/connection plugs*¹	10	TZ617P10	2CPX010512R9999
 TZ628P10	Blind plug* For hinge break	10	TZ628P10	2CPX010854R9999
 TZ664P10	Cover cap* For screws of the side panels or the cabinet connection TX	10	TZ664P10	2CPX010995R9999
 ZA6	DIN A4 plan pocket Self-adhesive with transparent sleeve and reinforced back	1	ZA6	2CPX038227R9999
		10	ZA6P10	2CPX062380R9999
	Self-adhesive with transparent sleeve	10	ZA61P10	2CPX062375R9999
 ZA5	DIN A4 plan pocket Self-adhesive	1	ZA13	2CPX038233R9999
		10	ZA13P10	2CPX062381R9999
	DIN A5 plan pocket Self-adhesive	1	ZA5	2CPX038228R9999
		10	ZA5P10	2CPX062382R9999
 ZA123	Plan pocket holder			
	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
 TZ650	LED control cabinet light		TZ650	2CPX010972R9999
 ZA16	Spray can Color RAL 7035, 150 ml	1	ZA16	2CPX038235R9999
 ZA116	Touch-up stick Color RAL 7035, 12 ml	1	ZA116	2CPX039042R9999

* Included in the scope of delivery

Floor-standing cabinets TwinLine N 55

Doors, Touch protection and Mounting plates

Article	Height		Width		Bemerkung	Unit	Type	Order code
	OH	BH	PW					
	Sheet steel doors							
	With door hinges 180 degrees							
	12	8	2			1	TZB212	2CPX010541R9999
	12	8	3			1	TZB312	2CPX010548R9999
	12	8	4*	Door left		1	TZB212L	2CPX010561R9999
	12	8	4*	Door right		1	TZB212R	2CPX010562R9999
TZB312								
	Transparent doors							
	With door hinges 180 degrees							
	12	8	2			1	TZT212	2CPX010866R9999
	12	8	3			1	TZT312	2CPX010873R9999
	12	8	4*	Door left		1	TZT212L	2CPX010886R9999
	12	8	4*	Door right		1	TZT212R	2CPX010887R9999
TZT312								

Article	Height		Width		Unmounted		installed in the cabinet**	
	OH	BH	PW	Unit	Type	Order code	Type	Order code
	Touch protection							
	12	8	2	1	TZP212	2CPX010638R9999	TZP212A	2CPX010721R9999
	12	8	3	1	TZP312	2CPX010645R9999	TZP312A	2CPX010728R9999
	12	8	4	1	TZP412	2CPX010652R9999	TZP412A	2CPX010735R9999
TZP312								
	Mounting plate,							
	Sheet steel 2 mm, galvanized							
	12	8	1	1	TZM112	2CPX010940R9999	TZM112A	2CPX010944R9999
	12	8	2	1	TZM212	2CPX010941R9999	TZM212A	2CPX010945R9999
	12	8	3	1	TZM312	2CPX010942R9999	TZM312A	2CPX010946R9999
	12	8	4	1	TZM412	2CPX010943R9999	TZM412A	2CPX010947R9999
TZM312								

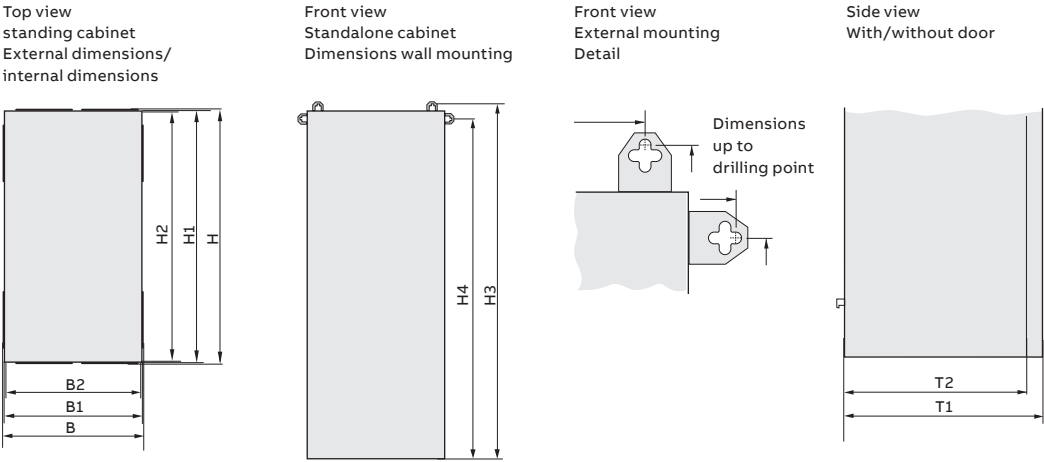
* Double doors field width 4 and over

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

> The touch protection in the insulated cabinet is included in the scope of delivery

Floor-standing cabinets TwinLine N 55

Enclosure and fastening dimensions, cabinet depth 400 mm



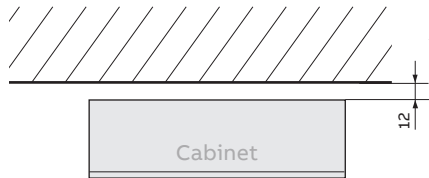
Height		Width	Type	External dimensions		Internal dimensions		External dimensions*		Dimensions wall mounting		Depth	
GU	OH	PW		H1	B1	H2	B2	H	B	H3	H4	T1	T2
TwinLine-X floor-standing cabinets 													
12	8	2	TX212	1850	550	1802	502	1854	564	1872	1796	400	394.5
		3	TX312	1850	800	1802	752	1854	814	1872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

* incl. flange knockouts and side walls

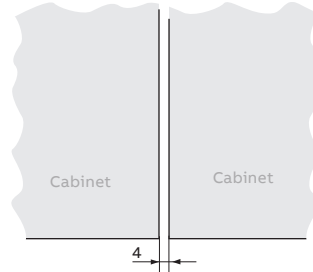
Floor-standing cabinets TwinLine N 55

Weights and power dissipation, cabinet depth 400 mm

Type of installation
Cabinet on the wall



Type of installation
Cabinet combination
side by side



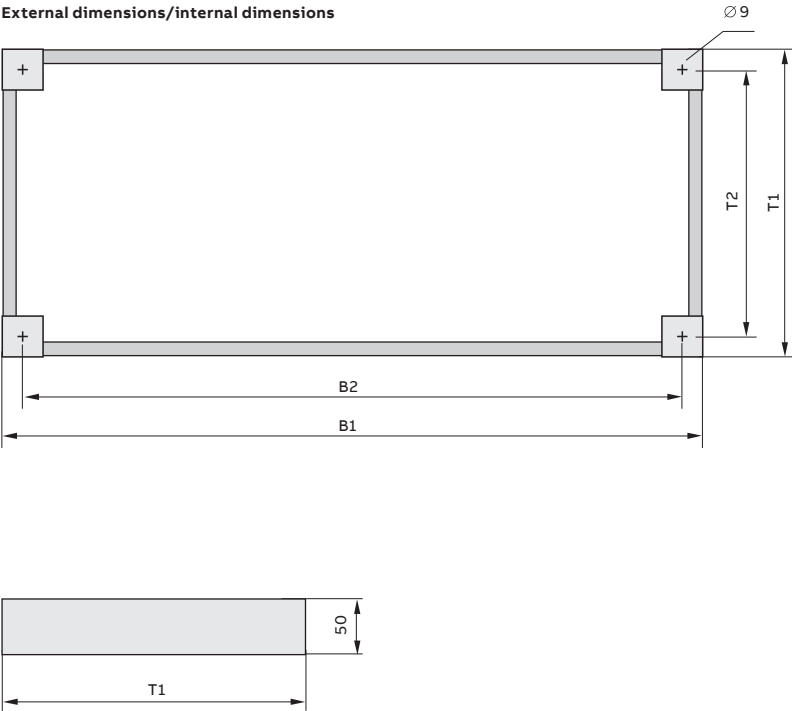
Height		Width		Power dissipation in watts* at overtemperature Δt 20K	Cabinet weight in kg		max. installation weight
GU	OH	PW	Type		With door ⊥	With door ▢	in kg
TwinLine-X floor-standing cabinets ⊥ ▢							
12	8	2	TX212	144.3	46.8	49.5	120.0
		3	TX312	192.1	55.2	59.5	180.0
		4	TX412	241.0	71.7	77.4	240.0

* 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.



Floor-standing cabinets TwinLine N 55

Dimensions and weight – base, height 50 mm

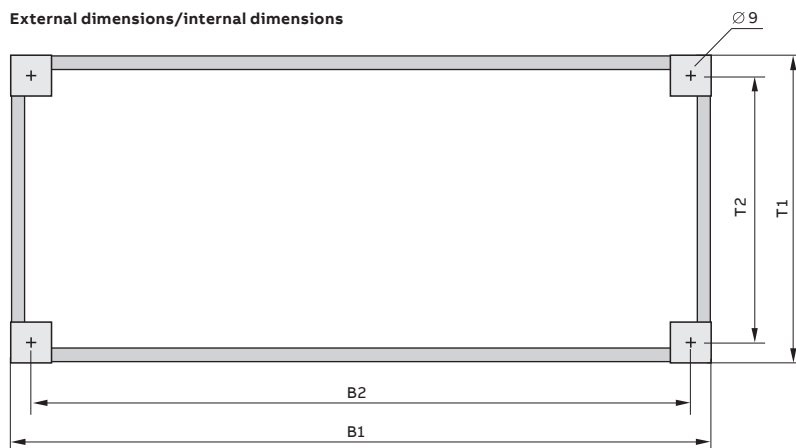


Height	Depth	Width	Type	Außenmaße Width x Depth		Innenmaße Width x Depth		Gewicht
		PW		B1	T1	B2	T2	in kg
TwinLine-X, base 50 mm								
50	400	2	TZX205	550	378,5	520	348,5	2.3
		3	TZX305	800	378,5	770	348,5	2.8
		4	TZX405	1050	378,5	1020	348,5	5.1

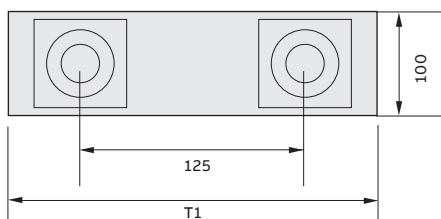
Floor-standing cabinets TwinLine N 55

Dimensions and weight – base, height 100 mm

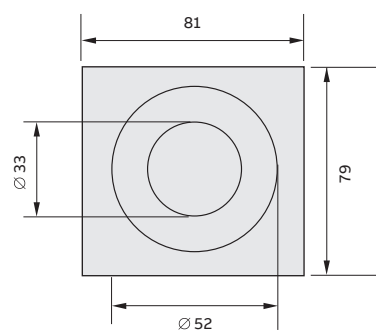
External dimensions/internal dimensions



View of side knock-outs
TwinLine-X



Detail view for
side knock-outs

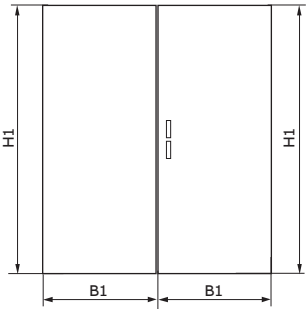


Height	Depth	Width	Type	External dimensions Width x depth		Internal dimensions Width x depth		Weight
		PW		B1	T1	B2	T2	in kg
TwinLine-X, base 100 mm								
100	400	2	TZX210	550	378.5	520	348.5	3.7
		3	TZX310	800	378.5	770	348.5	4.4
		4	TZX410	1050	378.5	1020	348.5	7.0

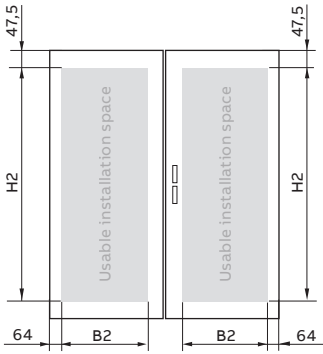
Floor-standing cabinets TwinLine N 55

Dimensions and weights of the doors

External dimensions
cabinets with 4 panel widths
Double doors



Field of view dimensions
cabinets with 4 panel widths
double doors



Height		Width		Remark	External dimensions Height x width		Installation space Height x width		Weight	Max. installation weight
OH	BH	PW			Type	H1	B1	H2	B2	in kg
TwinLine floor-standing cabinet, doors										
12	8	2	TZB212		1843	539	1748	373	18.07	5.00
		3	TZB312		1843	789	1748	623	24.08	7.50
		4*	TZB212L	Door left	1843	526 *2	1748	373	18.45	5.00
			TZB212R	Door right	1843	539	1748	373	18.03	5.00

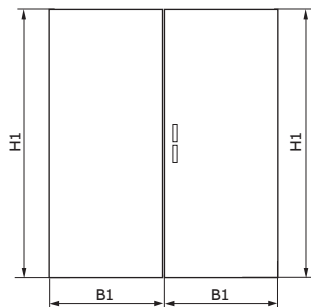
* For double-wing doors with 4 or more panel widths

*2 Dimensions incl. door centre bar

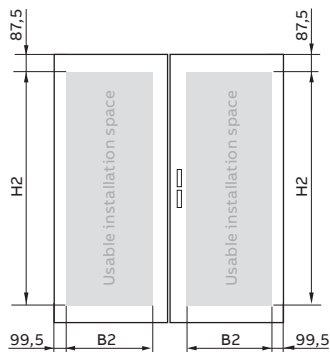
Floor-standing cabinets TwinLine N 55

Dimensions and weights of the transparent doors

External dimensions
cabinets with 4 panel widths
double doors



Field of view dimensions
cabinets with 4 panel widths
double doors



Height		Width		Remark	External dimensions Height x width		Installation space Height x width		Weight
OH	BH	PW			Type	H1	B1	H2	B2
TwinLine floor-standing cabinet, doors									
12	8	2	TZT212		1843	539	1668	340	15.60
		3	TZT312		1843	789	1668	590	20.70
		4*	TZT212L	Door left	1843	526 *2	1668	340	15.60
			TZT212R	Door right	1843	539	1668	340	15.40

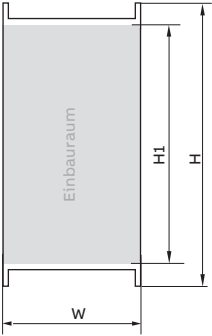
* For double-wing doors with 4 or more panel widths

*² Dimensions incl. door centre bar

Floor-standing cabinets TwinLine N 55

Dimensions and weights of the mounting plates

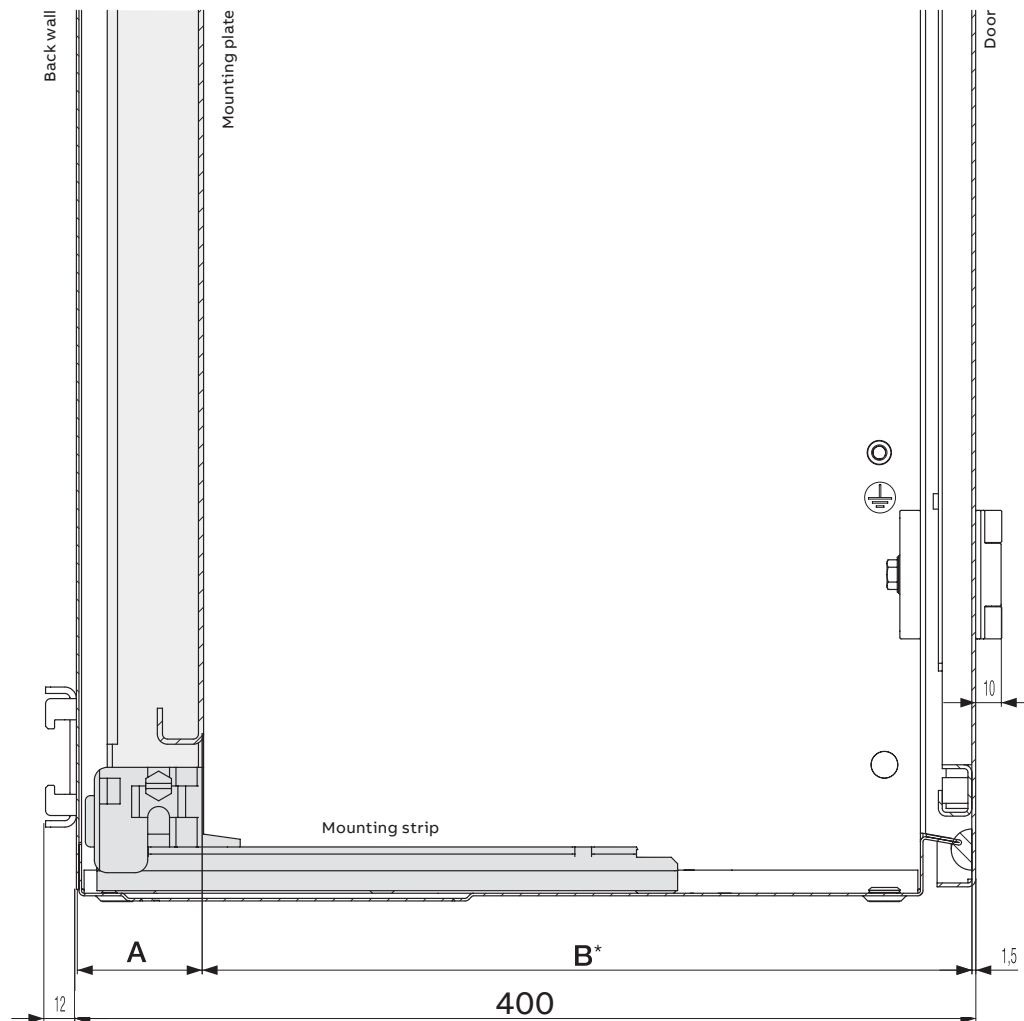
External dimensions / usable installation space
Mounting plate



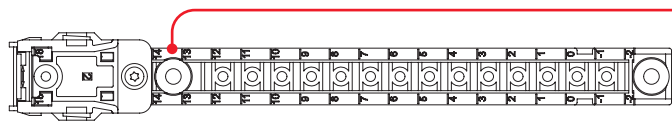
Height		Width		External dimensions		Installation space		Weight
OH	BH	PW	Type	H	W	H1	B	in kg
Mounting plates forTwinLine floor-standing cabinets ⚡								
12	8	1	TZM112	1800	246	1722	246	10.80
		2	TZM212	1800	496	1722	496	17.80
		3	TZM312	1800	746	1722	746	21.00
		4	TZM412	1800	996	1722	996	31.80

Floor-standing cabinets TwinLine N 55

Dimensions for installation of a mounting plate



Mounting strip
Top view



Mounting strip
Position 14

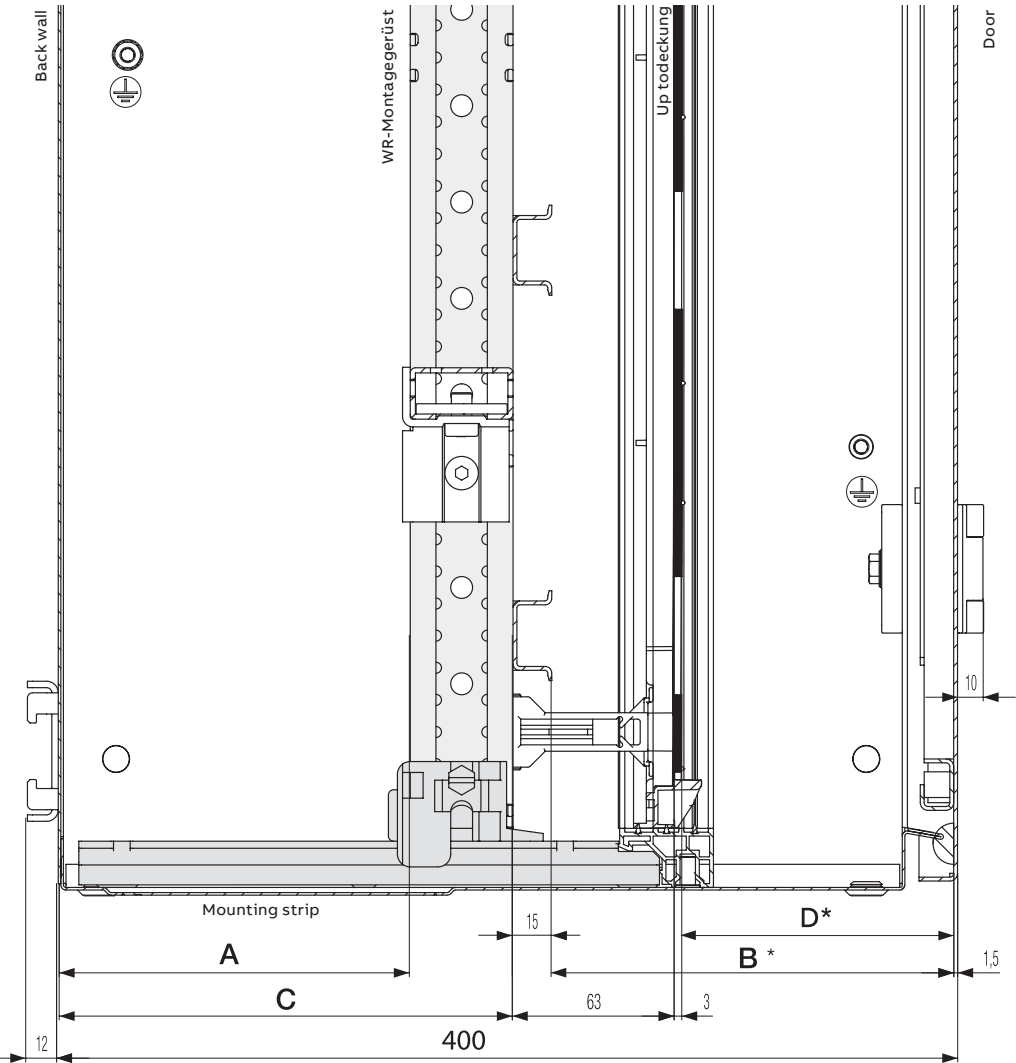
Cabinet series	Depth	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	-1	-2
Dimension A at installation position																		
TwinLine X	400	48.5	61	73.5	86	98.5	111	123.5	136	148.5	161	173.5	186	198.5	211	223.5	236	248.5
Dimension B at installation position*																		
TwinLine X	400	349	336.5	324	311.5	299	286.5	274	261.5	249	236.5	224	211.5	199	186.5	174	161.5	149

* 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

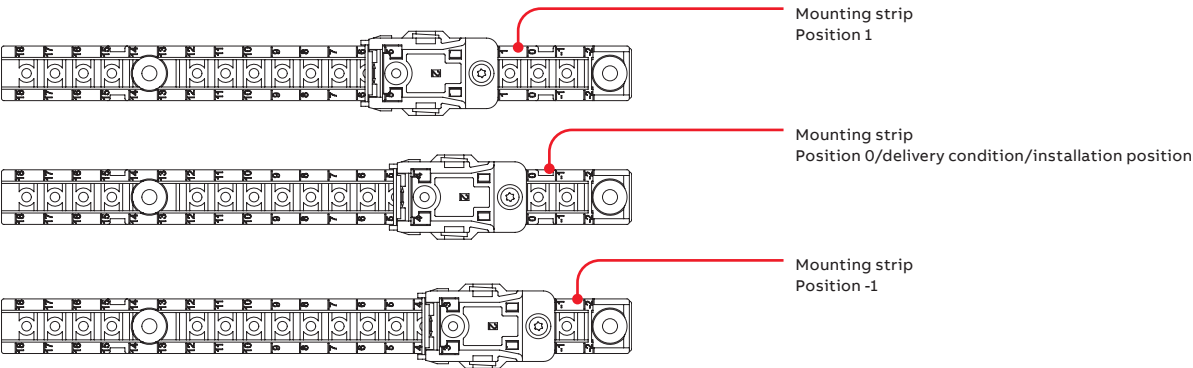
> Dimensions in mm

Floor-standing cabinets TwinLine N 55

Dimensions for installation of CombiLine N module on WR mounting frame



Mounting strip
Top view

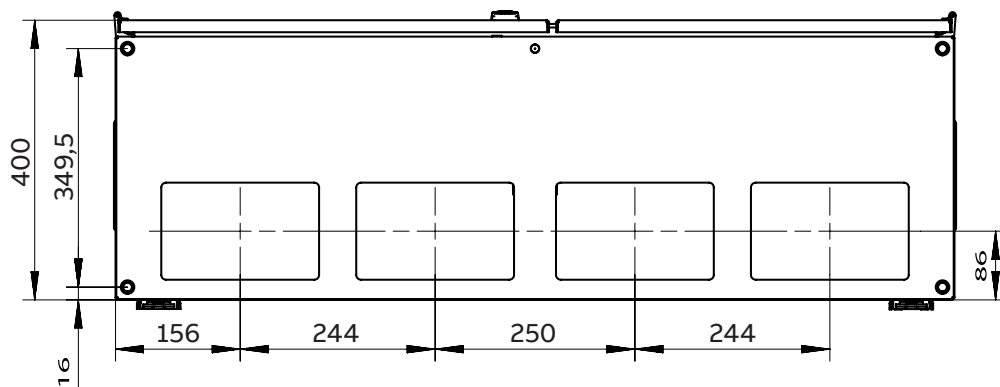
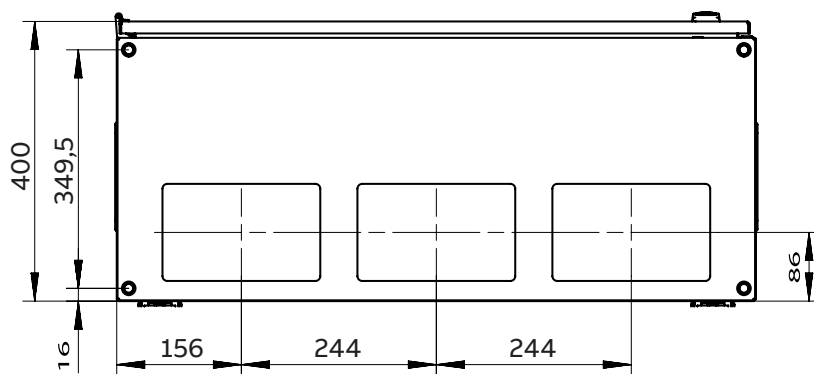
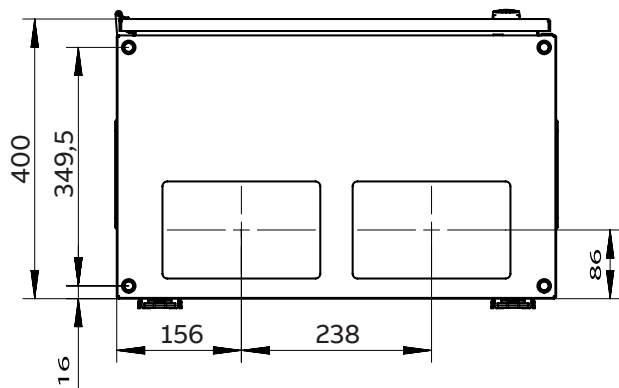


Cabinet series	Depth	Dimension A at installation position*			Dimension B at installation position**			Dimension C at installation position*			Dimension D at installation position**		
		1	0	-1	1	0	-1	1	0	-1	1	0	-1
TwinLine-X	400	173.5	186	198.5	169	156.5	144	213.5	226	238.5	117.5	105	92.5

* 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

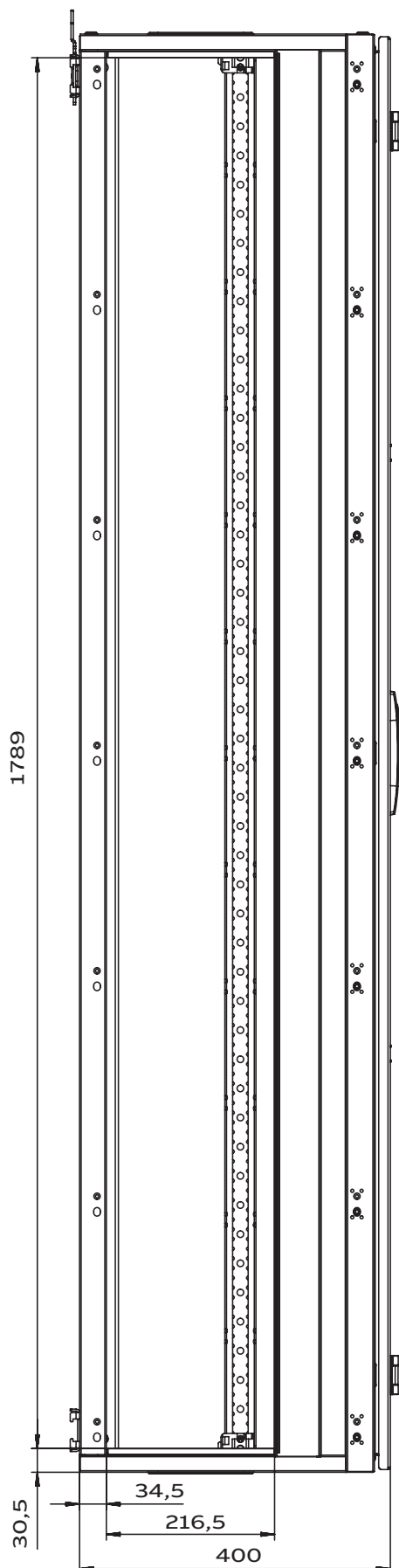
Floor-standing cabinets TwinLine N 55

Dimensions of the top and bottom flange knockout



Floor-standing cabinets TwinLine N 55

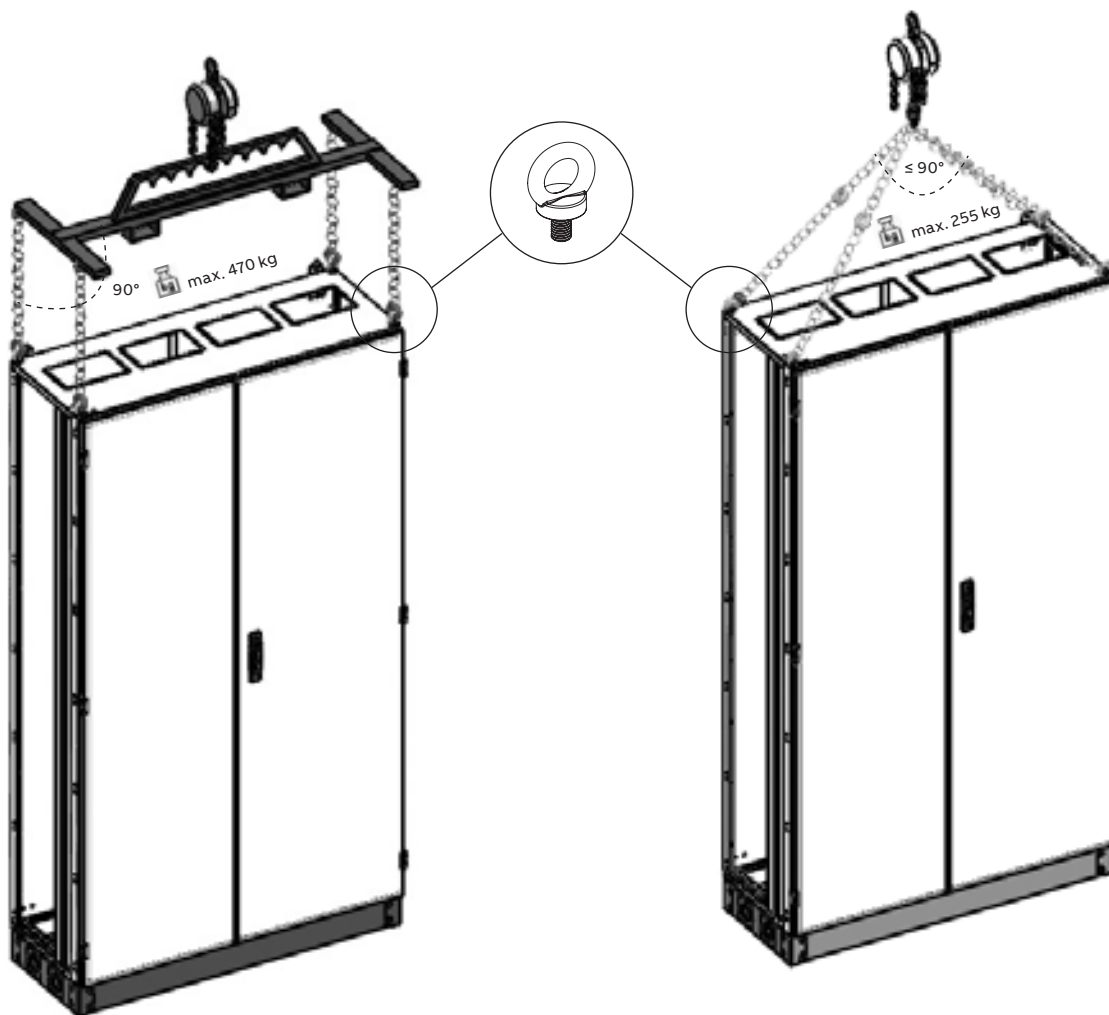
Left sectional view with dimensions



Floor-standing cabinets TwinLine N 55

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.

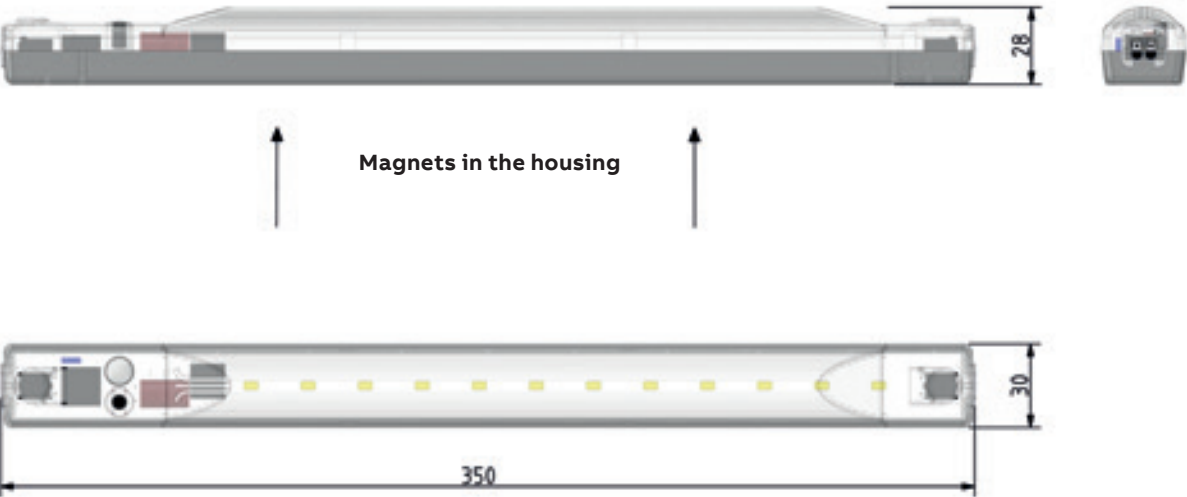


Floor-standing cabinets TwinLine N 55

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	Polycarbonat
Weight	140 g
Max. humidity [% rH]	90 %
Operating temperature [°C]	- 20 °C ... + 60 °C
Ambient temperature (storage)	- 40 °C ... + 85 °C
Approvals	CE

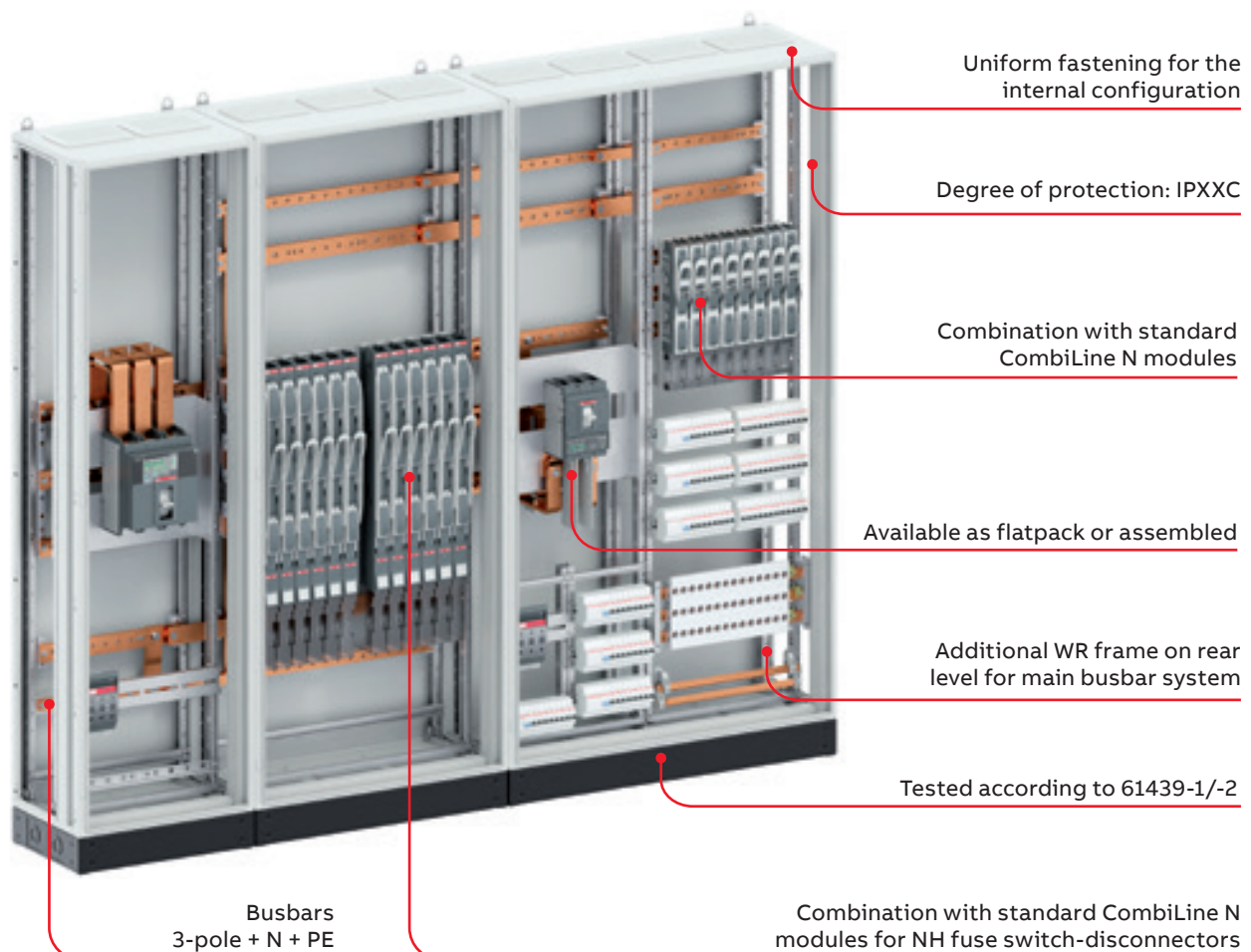
Maße



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 incomer: 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

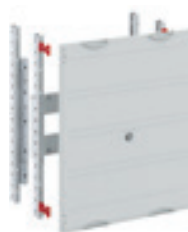
The suitable extension for the TwinLine-X cabinet system



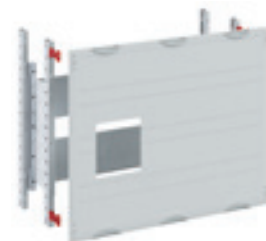
Circuit breaker XT5/XT6/XT7



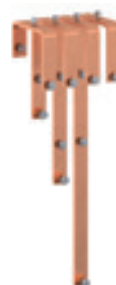
Switch disconnecter OT



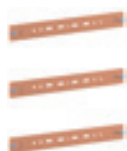
Automatic transfer switch
TruOne



Connection busbar copper



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		
Overvoltage 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_e)	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:**
- EF terminals must be ordered separately (XT5, XT6 800A)
 - Dim. 150 mm - plan empty modules on the connection side
 - One current transformer can be installed per phase

						From cabinet depth		Kit not installed		Mounted and installed in the cabinet	
Height	Width	I _n		Equipment		SU	WR ²	Type	Order code	Type	Order code
GU	mm	PW	mm	A	Type		mm				
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 XT6	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

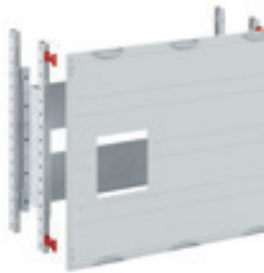
- Incoming / outgoing module
 - Unequipped for ABB circuit breaker, fixed assembly with connections on front side
 - **OT switch 3-/4-poles**
 - With all cross profiles required and busbar holder ZX522
- The mounting frames must be ordered separately.

Height	Width	I _n	Equipment	From cabinet			Kit not installed		Mounted and installed in the cabinet	
				SU	WR ¹²	mm	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.

						From cabinet depth	Kit not installed		Mounted and installed in the cabinet	
Height	Width	I _n		Equipment						
GU	mm	PW	mm	A	Type	SU	WR ²	mm	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, (M(B)X.7.N)



MX271N

- For 2-pole busbars, see page 49
- 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

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



MX281N

- For 2-pole busbars, see page 49
- 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

						From cabinet depth		Kit not installed		Mounted and installed in the cabinet		
Height		Width										
GU	mm	PW	mm	SU	EDF ¹	WR ²	mm	Unit	Type	Order code	Type	Artikelnummer
3	450	1	250	36		2 x	400	1	MBX181N	2CPX044128R9999	MX181N	2CPX044134R9999
		2	500	72		2 x	400	1	MBX281N	2CPX044129R9999	MX281N	2CPX044135R9999
		3	750	108		2 x	400	1	MBX381N	2CPX044130R9999	MX381N	2CPX044136R9999
4	600	1	250	48		2 x	400	1	MBX182N	2CPX044131R9999	MX182N	2CPX044137R9999
		2	500	96		2 x	400	1	MBX282N	2CPX044132R9999	MX282N	2CPX044138R9999
		3	750	144		2 x	400	1	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 EF connection, to be ordered separately)
- Distance between centres of connections 46.5 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				Kit not installed		Mounted and installed in the cabinet	
mm	I _n A	Description	Unit	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				Kit not installed		Mounted and installed in the cabinet	
mm	I _n A	Description	Unit	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 (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				Kit not installed			Mounted and installed in the cabinet	
mm	I _n A	Description	Unit	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 (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				Kit not installed			Mounted and installed in the cabinet	
mm	I _n A	Description	Unit	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 (with EF connection, to be ordered separately)
- 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
- EF terminals to be ordered separately

Cu busbars				Kit not installed		Mounted and installed in the cabinet	
mm	I _n A	Description	Unit	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 (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:

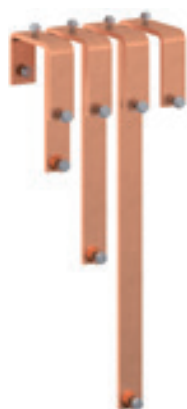
- holder set not included in scope of delivery and to be ordered separately
- EF terminals to be ordered separately

Cu busbars				Kit not installed		Mounted and installed in the cabinet	
mm	I _n A	Description	Unit	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 (with EF connection, to be ordered separately)
- 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
- EF terminals to be ordered separately

ZX2627

Cu busbars	I _n A	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 (with EF connection, to be ordered separately)
- 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
- EF terminals to be ordered separately

ZX2630

Cu busbars	I _n A	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

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		Description	CBB holder L	Unit	Kit not installed		Mounted and installed in the cabinet	
mm	I _n A				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		Description	CBB holder L	Unit	Kit not installed		Mounted and installed in the cabinet	
mm	I _n A				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		Description	CBB holder L	Unit	Kit not installed		Mounted and installed in the cabinet	
mm	I _n A				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	I _n 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	I _n 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	I _n 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 _n 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 _n A	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
		mm	Description	Unit	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.

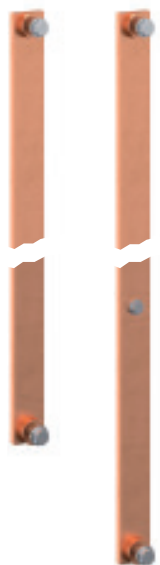
PW	I _n A	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
		mm	Description	Unit	Type	Order code	Type	Order code
1	630	30 x 5	Cu busbar PE (50 %)	1	ZX2737	2CPX042336R9999	ZXM2737	2CPX042444R9999
	850	20 x 10	Cu busbar PE (50 %)	1	ZX2738	2CPX042337R9999	ZXM2738	2CPX042445R9999
	1000	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
 ZXM2760 ZXM2761	Horizontal holder set 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), $\perp$



ZX2856 ZX2852

- 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

I _n	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
A	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	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



ZX2866

- 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

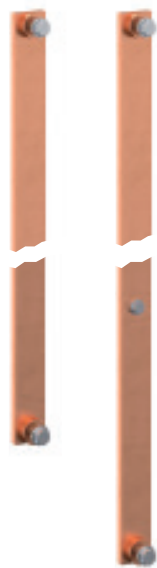
I _n	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
	A	mm	Description	Unit	Type	Order code	Type
630	30 x 10	Cu busbar ZEP	1	ZX2865	2CPX043448R9999	ZXM2865	2CPX044442R9999
800	40 x 10	Cu busbar ZEP	1	ZX2866	2CPX043449R9999	ZXM2866	2CPX044443R9999
1000	50 x 10	Cu busbar ZEP	1	ZX2867	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), 



ZX2856 ZX2882

- 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

I _n	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
A	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

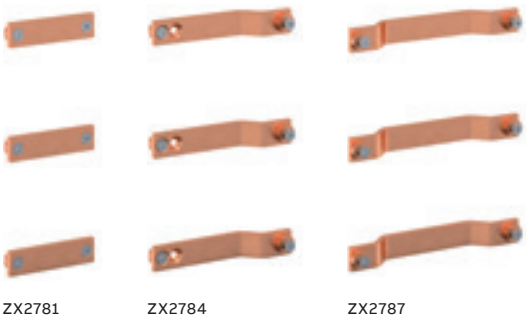
I _n	Cu busbars			Kit not installed		Mounted and installed in the cabinet		
	A	mm	Description	Unit	Type	Order code	Type	Order code
630		30 x 10	Cu busbar ZEP	1	ZX2875	2CPX043451R9999	ZXM2875	2CPX043454R9999
800		40 x 10	Cu busbar ZEP	1	ZX2876	2CPX043452R9999	ZXM2876	2CPX043455R9999
1000		50 x 10	Cu busbar 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

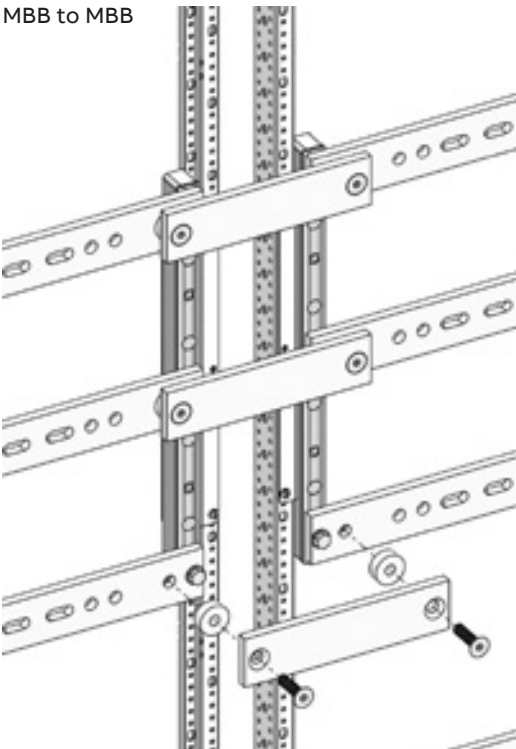


- Module to module connector made of copper
- To connect Cu busbars
- The current carrying capacity of L1, L2, L3, N is 100 % and the current carrying capacity of PE is 50 % of the outer conductors of the MBB.

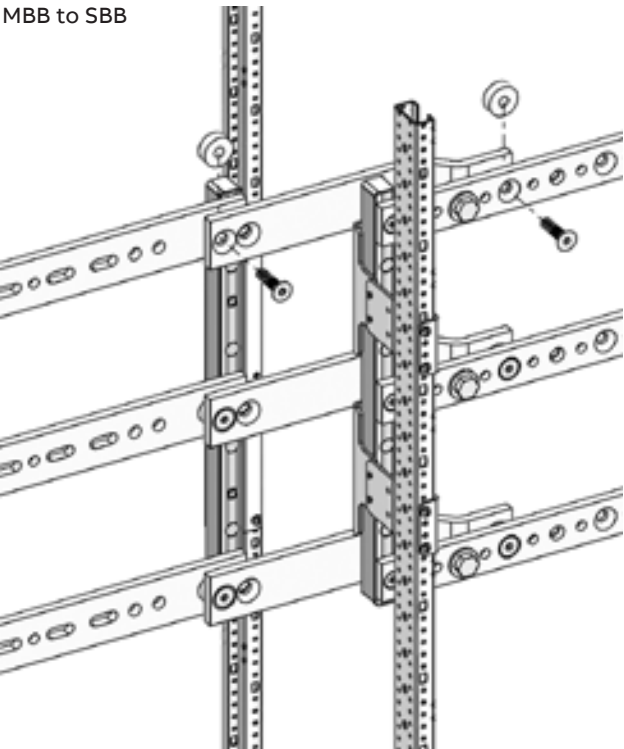
Connection	I _n	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
		A	mm	Unit	Type	Order code	Type	Order code
MBB to MBB	630	30 x 10	FF-Cu connector HH 30 x 10	1	ZX2780	2CPX044281R9999	ZXM2780	2CPX044354R9999
	850	40 x 10	FF-Cu connector HH 40 x 10	1	ZX2781	2CPX044282R9999	ZXM2781	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

MBB to MBB



MBB to SBB



Distribution panel system CombiLine-X

Cabinet to cabinet copper connection



ZX2810

ZX2813

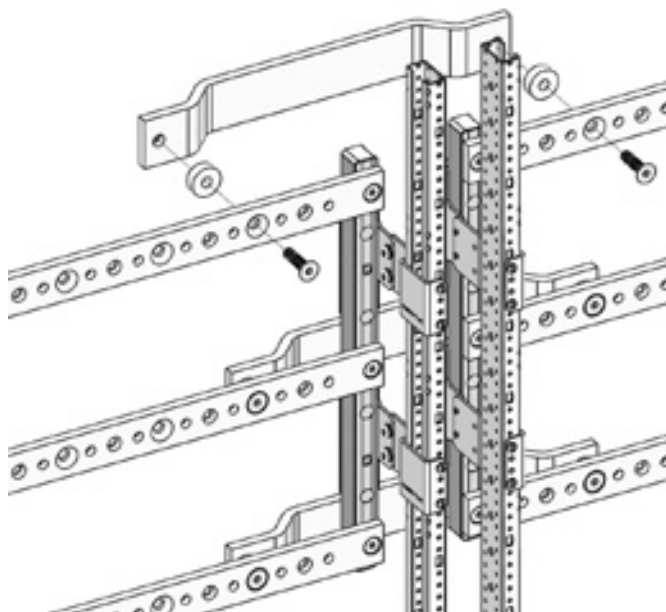
ZX2816

- 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.

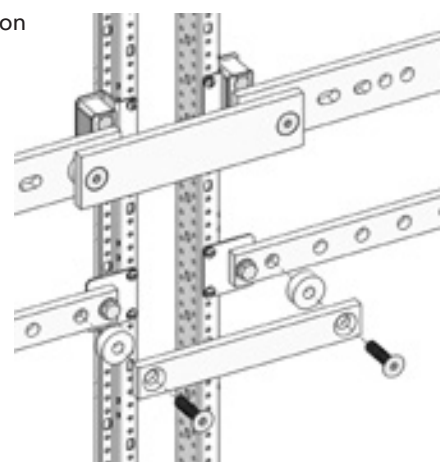
Connection	I _n A	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
		mm		Unit	Type	Order code	Type	Order code
MBB to MBB	630	30 x 10	SS-Cu connector HH 30 x 10	1	ZX2810	2CPX044296R9999	ZXM2810	2CPX044369R9999
	850	40 x 10	SS-Cu connector HH 40 x 10	1	ZX2811	2CPX044297R9999	ZXM2811	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

SBB to SBB



N/PE connection



Interior expansion system CombiLine N

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



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. 1000 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						From cabinet depth		Kit unmounted		Mounted and installed in the cabinet* ³	
OH	mm	PW	mm	mm	SU	EDF* ¹	WR* ²	mm	Unit	Type	Order code	Type	Order code		
5	750	1	250	4 x NH00	60	-	●	350*	1	-	-	MD100HB	2CPX042245R9999		
		2	500	8 x NH00	120	-	●	350*	1	-	-	MD200HB	2CPX042246R9999		
		3	750	12 x NH00	180	-	●	350*	1	-	-	MD300HB	2CPX042247R9999		
5	750	2	500	4 x NH1	120	-	●	350*	1	-	-	MD21HB	2CPX042248R9999		
		3	750	6 x NH1	180	-	●	350*	1	-	-	MD31HB	2CPX042249R9999		

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

*3The module frame must be ordered separately | Not suitable for fire protection housing

Article			Unit	Type	Order code
 ZE552M	 ZE562M	Fuse switch disconnector	Width in mm	Suitable for ...	
		ZHBM00	50	MD...(H)B, M(B)D...	1ZE552M2CPX042960R9999
		ZHBM1	100	MD...(H)B, M(B)D...	1ZE562M2CPX042961R9999
		ZHBM2	100	MD...(H)B, M(B)D...	1ZE572M2CPX042962R9999
		ZHBM3	100	MD...(H)B, M(B)D...	1ZE582M2CPX042963R9999
 ZX960	 ZX961	Blanking panels for sealing off reserve spaces 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

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 **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. 1000 A
- Equipment, see catalog ABB STOTZ-KONTAKT InLine II
- **Important:** See remarks on page 8/41

Height		Width		Useful Width					From cabinet depth		Kit unmounted		Mounted and installed in the cabinet	
OH	mm	PW	mm	mm	SU	EDF*1	WR*2	mm	Unit	Type	Order code	Type	Order code	
5	750	1	250	199,5	60	-	●	275/350*	1	MBD100	2CPX042255R9999	MD100	2CPX042258R9999	
		2	500	399,5	120	-	●	275/350*	1	MBD200	2CPX042256R9999	MD200	2CPX042259R9999	
		3	750	649	180	-	●	275/350*	1	MBD300	2CPX042257R9999	MD300	2CPX042260R9999	

* For double doors, a minimum cabinet depth of 325 mm is required | **Expansion on EDF mounting frame | * 2 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 PW width)
- 3 copper rails are required per module

Copper rail	I_n	Width		Unit	Kit unmounted		Mounted and installed in the cabinet	
		mm	PW		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
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
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	2CPX042330R9999

* For double doors, a minimum cabinet depth of 325 mm is required | **Expansion on EDF mounting frame | * 2 Expansion on WR mounting frame

Interior expansion system CombiLine N

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. 1000 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 unmounted		Mounted and installed in the cabinet	
OH	mm	PW	mm	mm	SU	EDF*1	WR*2	mm	Unit	Type	Order code	Type	Order code	
6	900	1	250	4 x NH00	60	-	●	350	1	-	-	MD100EB	2CPX042250R9999	
		2	500	8 x NH00	120	-	●	350	1	-	-	MD200EB	2CPX042251R9999	
		3	750	12 x NH00	180	-	●	350	1	-	-	MD300EB	2CPX042252R9999	
6	900	2	250	4 x NH1	120	-	●	350	1	-	-	MD21EB	2CPX042253R9999	
		3	750	6 x NH1	180	-	●	350	1	-	-	MD31EB	2CPX042254R9999	

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

Article				Unit	Type	Order code
 ZE553M	 ZE563M	Fuse switch disconnector	Width in mm	Suitable for ...		
		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	Blanking panels for sealing off reserve spaces				
		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

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



MBD300E

- Unpopulated for NH00 to NH3 fuse switch disconnection rails + EFM 160 A– 630 A, 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. 1000 A
- Equipment, see catalog ABB STOTZ-KONTAKT InLine II
- **Important:** See remarks on page 8/43

Height		Width		Useful width				From Cabinet depth		Kit unmounted		Mounted and installed in the cabinet	
OH	mm	PW	mm	mm	SU	EDF*1	WR*2	mm	Unit	Type	Order code	Type	Order code
6	900	1	250	199,5	60	-	●	350	1	MBD100E	2CPX042261R9999	MD100E	2CPX042264R9999
		2	500	399,5	120	-	●	350	1	MBD200E	2CPX042262R9999	MD200E	2CPX042265R9999
		3	750	649	180	-	●	350	1	MBD300E	2CPX042263R9999	MD300E	2CPX042266R9999

^{*1}Expansion on EDF mounting frame | ^{*2}Expansion on WR mounting frame



ZX1228

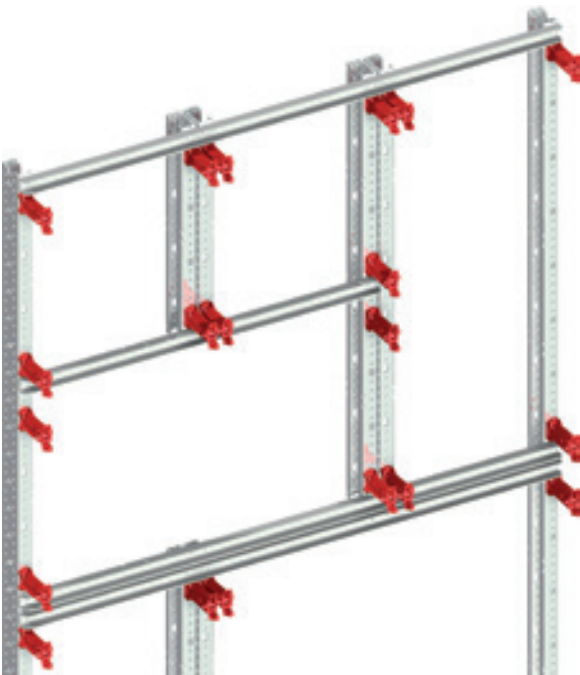
- Busbars for individual cabinet installation
- It is possible to combine different module widths within the cabinet with continuous busbars
- With press-in nuts for connecting NH fuse switch disconnection rails
- The module sequence is defined by the press-in nuts from 3-field ready and greater (see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

Copper rail	I _n	Width			Kit unmounted		Mounted and installed in the cabinet			
		mm	A	PW	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
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
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	2CPX042330R9999

* For double doors, a minimum cabinet depth of 325 mm is required | ^{*1}Expansion on EDF mounting frame | ^{*2}Expansion on WR mounting frame

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 unmounted		Mounted and installed in the cabinet	
	PW	mm	Unit	Type	Order code	Type	Order code
WR mounting frame For all standalone and series switching cabinets from a depth of 225 mm Height 12 OH, 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
WR mounting frame For series switching cabinets from a depth of 325 mm Height 14 OH, 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 unmounted		Mounted and installed in the cabinet	
	OH	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	-	-



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 unmounted		Mounted and installed in the cabinet	
	PW	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	-	-



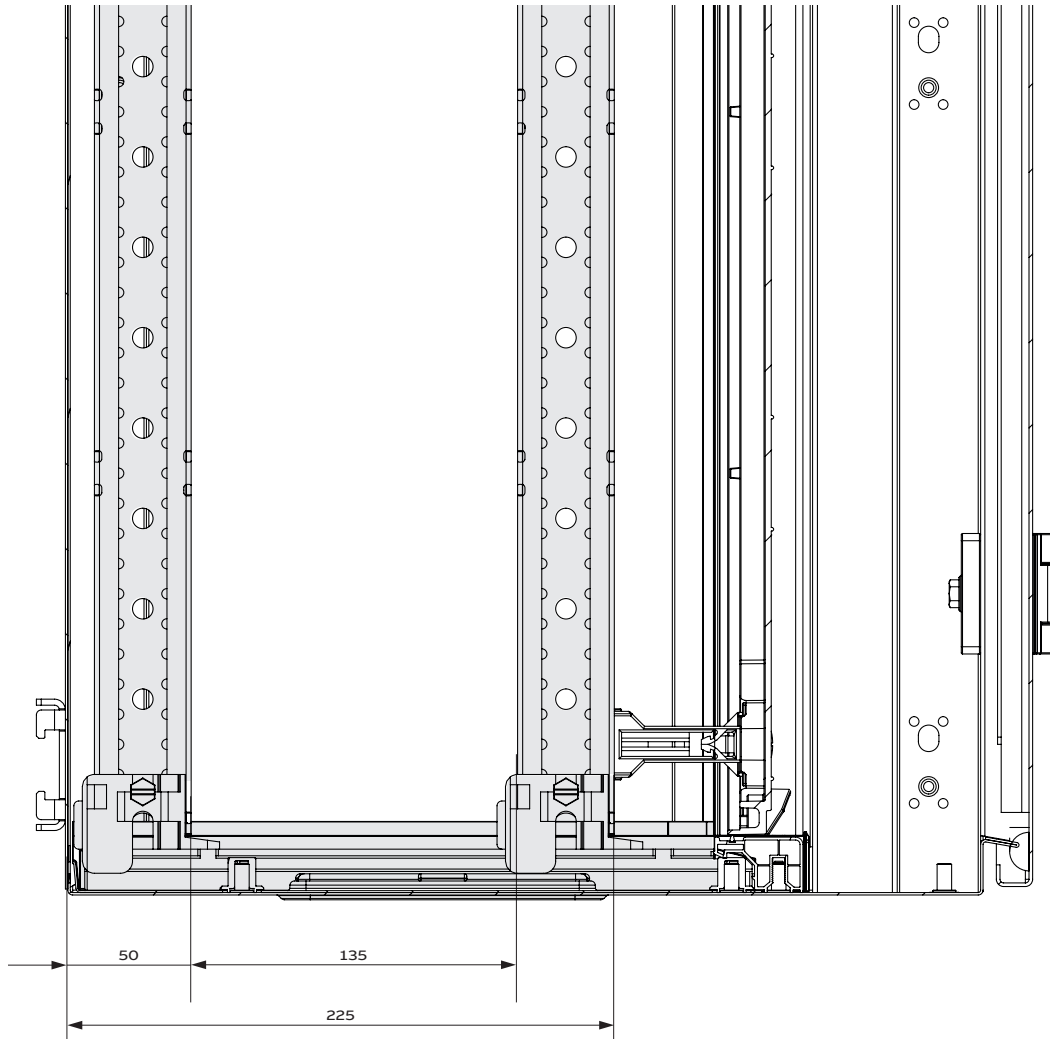
ZW209

- As transverse profile rails in the WR mounting frame

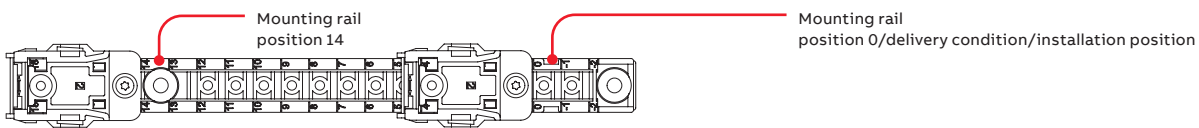
Horizontal WR profile rail	1	186	1	ZW209	2CPX039207R9999	-	-
	2	436	1	ZW210	2CPX060138R9999	-	-
	3	686	1	ZW211	2CPX060139R9999	-	-
	4	936	1	ZW212	2CPX060140R9999	-	-

Distribution panel system CombiLine N

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



Mounting rail
Plan view



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

							From Cabinet depth		Kit unmounted		Mounted and installed in the cabinet	
Height		Width		SU	EDF*1	WR*2	mm	Unit	Type	Order code	Type	Order code
OH	mm	PW	mm									
Row spacing 125 mm												
1	150	1	250	12	●	●	120	1	MBG101	2CPX041650R9999	MG101	2CPX041200R9999
		2	500	24	●	●	120	1	MBG201	2CPX041651R9999	MG201	2CPX041201R9999
		3	750	36	●	●	120	1	MBG301	2CPX041652R9999	MG301	2CPX041202R9999
2	300	1	250	24	●	●	120	1	MBG102	2CPX041653R9999	MG102	2CPX041203R9999
		2	500	48	●	●	120	1	MBG202	2CPX041655R9999	MG202	2CPX041205R9999
		3	750	72	●	●	120	1	MBG302	2CPX041657R9999	MG302	2CPX041207R9999
3	450	1	250	36	●	●	120	1	MBG103	2CPX041659R9999	MG103	2CPX041209R9999
		2	500	72	●	●	120	1	MBG203	2CPX041661R9999	MG203	2CPX041211R9999
		3	750	108	●	●	120	1	MBG303	2CPX041663R9999	MG303	2CPX041213R9999
4	600	1	250	48	●	●	120	1	MBG104	2CPX041665R9999	MG104	2CPX041215R9999
		2	500	96	●	●	120	1	MBG204	2CPX041667R9999	MG204	2CPX041217R9999
		3	750	144	●	●	120	1	MBG304	2CPX041669R9999	MG304	2CPX041219R9999
5	750	1	250	60	●	●	120	1	MBG105	2CPX041671R9999	MG105	2CPX041221R9999
		2	500	120	●	●	120	1	MBG205	2CPX041673R9999	MG205	2CPX041223R9999
		3	750	180	●	●	120	1	MBG305	2CPX041675R9999	MG305	2CPX041225R9999
Row spacing 150 mm												
1	150	1	250	12	●	●	120	1	MBG101	2CPX041650R9999	MG101	2CPX041200R9999
		2	500	24	●	●	120	1	MBG201	2CPX041651R9999	MG201	2CPX041201R9999
		3	750	36	●	●	120	1	MBG301	2CPX041652R9999	MG301	2CPX041202R9999
2	300	1	250	24	●	●	120	1	MBG412	2CPX041654R9999	MG412	2CPX041204R9999
		2	500	48	●	●	120	1	MBG422	2CPX041656R9999	MG422	2CPX041206R9999
		3	750	72	●	●	120	1	MBG432	2CPX041658R9999	MG432	2CPX041208R9999
3	450	1	250	36	●	●	120	1	MBG413	2CPX041660R9999	MG413	2CPX041210R9999
		2	500	72	●	●	120	1	MBG423	2CPX041662R9999	MG423	2CPX041212R9999
		3	750	108	●	●	120	1	MBG433	2CPX041664R9999	MG433	2CPX041214R9999
4	600	1	250	48	●	●	120	1	MBG414	2CPX041666R9999	MG414	2CPX041216R9999
		2	500	96	●	●	120	1	MBG424	2CPX041668R9999	MG424	2CPX041218R9999
		3	750	144	●	●	120	1	MBG434	2CPX041670R9999	MG434	2CPX041220R9999
5	750	1	250	60	●	●	120	1	MBG415	2CPX041672R9999	MG415	2CPX041222R9999
		2	500	120	●	●	120	1	MBG425	2CPX041674R9999	MG425	2CPX041224R9999
		3	750	180	●	●	120	1	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		SU	EDF*1	WR*2	From Cabinet depth		Kit unmounted		Mounted and installed in the cabinet	
OH	mm	PW	mm				mm	Unit	Type	Order code	Type	Order code
1	150	1	250	12	●	●	120	1	MBB116	2CPX041722R9999	MB116	2CPX041257R9999
		2	500	24	●	●	120	1	MBB216	2CPX041723R9999	MB216	2CPX041258R9999
		3	750	36	●	●	120	1	MBB316	2CPX041724R9999	MB316	2CPX041259R9999
2	300	1	250	24	●	●	120	1	MBB117	2CPX041725R9999	MB117	2CPX041260R9999
		2	500	48	●	●	120	1	MBB217	2CPX041726R9999	MB217	2CPX041261R9999
		3	750	72	●	●	120	1	MBB317	2CPX041727R9999	MB317	2CPX041262R9999
3	450	1	250	36	●	●	120	1	MBB118	2CPX041728R9999	MB118	2CPX041263R9999
		2	500	72	●	●	120	1	MBB218	2CPX041729R9999	MB218	2CPX041264R9999
		3	750	108	●	●	120	1	MBB318	2CPX041730R9999	MB318	2CPX041265R9999
4	600	1	250	48	●	●	120	1	MBB119	2CPX041731R9999	MB119	2CPX041266R9999
		2	500	96	●	●	120	1	MBB219	2CPX041732R9999	MB219	2CPX041267R9999
		3	750	144	●	●	120	1	MBB319	2CPX041733R9999	MB319	2CPX041268R9999
5	750	1	250	60	●	●	120	1	MBB120	2CPX041734R9999	MB120	2CPX041269R9999
		2	500	120	●	●	120	1	MBB220	2CPX041735R9999	MB220	2CPX041270R9999
		3	750	180	●	●	120	1	MBB320	2CPX041736R9999	MB320	2CPX041271R9999

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		Width		SU	EDF* ¹	WR* ²	From Cabinet depth	Unit	Kit unmounted		Mounted and installed in the cabinet	
OH	mm	PW	mm				mm		Type	Order code	Type	Order code
1	150	1	250	12	●	●	200	1	MBM111	2CPX041707R9999	MM111	2CPX041242R9999
		2	500	24	●	●	200	1	MBM211	2CPX041708R9999	MM211	2CPX041243R9999
		3	750	36	●	●	200	1	MBM311	2CPX041709R9999	MM311	2CPX041244R9999
2	300	1	250	24	●	●	200	1	MBM112	2CPX041710R9999	MM112	2CPX041245R9999
		2	500	48	●	●	200	1	MBM212	2CPX041711R9999	MM212	2CPX041246R9999
		3	750	72	●	●	200	1	MBM312	2CPX041712R9999	MM312	2CPX041247R9999
3	450	1	250	36	●	●	200	1	MBM113	2CPX041713R9999	MM113	2CPX041248R9999
		2	500	72	●	●	200	1	MBM213	2CPX041714R9999	MM213	2CPX041249R9999
		3	750	108	●	●	200	1	MBM313	2CPX041715R9999	MM313	2CPX041250R9999
4	600	1	250	48	●	●	200	1	MBM114	2CPX041716R9999	MM114	2CPX041251R9999
		2	500	96	●	●	200	1	MBM214	2CPX041717R9999	MM214	2CPX041252R9999
		3	750	144	●	●	200	1	MBM314	2CPX041718R9999	MM314	2CPX041253R9999
5	750	1	250	60	●	●	200	1	MBM115	2CPX041719R9999	MM115	2CPX041254R9999
		2	500	120	●	●	200	1	MBM215	2CPX041720R9999	MM215	2CPX041255R9999
		3	750	180	●	●	200	1	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		Width		SU	EDF* ¹	WR* ²	From Cabinet depth	Unit	Kit unmounted		Mounted and installed in the cabinet	
OH	mm	PW	mm				mm		Type	Order code	Type	Order code
2	300	1	250	24	●	●	120	1	MBM112K	2CPX041640R9999	MM112K	2CPX041117R9999
3	450	1	250	36	●	●	120	1	MBM113K	2CPX041641R9999	MM113K	2CPX041118R9999
4	600	1	250	48	●	●	120	1	MBM114K	2CPX041642R9999	MM114K	2CPX041119R9999

*¹Expansion on EDF mounting frame | *²Expansion 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		Width					From Cabinet depth		Kit unmounted		Mounted and installed in the cabinet	
OH	mm	PW	mm	SU	EDF* ¹	WR* ²	mm	Unit	Type	Order code	Type	Order code
1	150	1	250	12	●	●	200	1	MBK106	2CPX041677R9999	MK106	2CPX041227R9999
		2	500	24	●	●	200	1	MBK206	2CPX041679R9999	MK206	2CPX041228R9999
		3	750	36	●	●	200	1	MBK306	2CPX041681R9999	MK306	2CPX041229R9999
2	300	1	250	24	●	●	200	1	MBK107	2CPX041683R9999	MK107	2CPX041230R9999
		2	500	48	●	●	200	1	MBK207	2CPX041685R9999	MK207	2CPX041231R9999
		3	750	72	●	●	200	1	MBK307	2CPX041687R9999	MK307	2CPX041232R9999
3	450	1	250	36	●	●	200	1	MBK108	2CPX041689R9999	MK108	2CPX041233R9999
		2	500	72	●	●	200	1	MBK208	2CPX041691R9999	MK208	2CPX041234R9999
		3	750	108	●	●	200	1	MBK308	2CPX041693R9999	MK308	2CPX041235R9999
4	600	1	250	48	●	●	200	1	MBK109	2CPX041695R9999	MK109	2CPX041236R9999
		2	500	96	●	●	200	1	MBK209	2CPX041697R9999	MK209	2CPX041237R9999
		3	750	144	●	●	200	1	MBK309	2CPX041699R9999	MK309	2CPX041238R9999
5	750	1	250	60	●	●	200	1	MBK110	2CPX041701R9999	MK110	2CPX041239R9999
		2	500	120	●	●	200	1	MBK210	2CPX041703R9999	MK210	2CPX041240R9999
		3	750	180	●	●	200	1	MBK310	2CPX041705R9999	MK310	2CPX041241R9999

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, in up to max. 250 A

Height		Width		Elements				From Cabinet depth		Kit unmounted		Mounted and installed in the cabinet	
OH	mm	PW	mm	D02	SU	EDF* ¹	WR* ²	mm	Unit	Type	Order code	Type	Order code
2	300	1	250	5* ⁴	24	●	●	120	1	-	-	MR102B	2CPX041409R9999
		2	500	14* ⁴	48	●	●	200	1	-	-	MR202B	2CPX041410R9999
		3	750	24* ⁴	72	-	●	225	1	-	-	MR302B	2CPX041411R9999

Unpopulated module for equipment, for vertical installation of bus-mounting fuse sockets, D0 fuse switch disconnectors or NH00 fuse switch disconnector*3, in up to max. 440 A

Height		Width		Useful Width					From Cabinet depth		Kit unmounted		Mounted and installed in the cabinet	
OH	mm	PW	mm	mm	SU	EDF* ¹	WR* ²		mm	Unit	Type	Order code	Type	Order code
2	300	1	250	1 x 215* ⁴	24	●	●		120* ³	1	MBR102	2CPX041825R9999	MR102	2CPX041406R9999
		2	500	1 x 465* ⁴	48	●	●		200* ³	1	MBR202	2CPX041826R9999	MR202	2CPX041407R9999
		3	750	2 x 320* ⁴	72	-	●		225* ³	1	MBR302	2CPX041827R9999	MR302	2CPX041408R9999

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

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

ZE62

ZA4P10

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	I _n	Width		Unit	Kit unmounted		Mounted and installed in the cabinet	
		PW	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 100 mm, NH00 switch disconnecter, M(B)D...52(B)

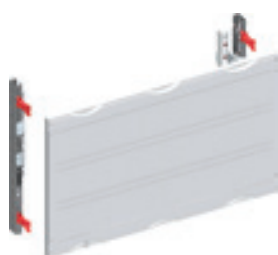


MD352B

- 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		Width						From Cabinet depth		Kit unmounted		Mounted and installed in the cabinet	
OH	mm	PW	mm	BeUnitung	SU	EDF ^{*1}	WR ^{*2}	mm	Unit	Type	Order code	Type	Order code
3	450	1	250	3 x NH00	36	●	●	215	1	-	-	MD152B	2CPX042110R9999
		2	500	8 x NH00	72	●	●	215	1	-	-	MD252B	2CPX042111R9999
		3	750	12 x NH00	108	-	●	225	1	-	-	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		Width		Useful Width					From Cabinet depth		Kit unmounted		Mounted and installed in the cabinet	
OH	mm	PW	mm	mm	SU	EDF ^{*1}	WR ^{*2}		mm	Unit	Type	Order code	Type	Order code
3	450	1	250	150	36	●	●		215	1	MBD152	2CPX042116R9999	MD152	2CPX042113R9999
		2	500	300	72	●	●		215	1	MBD252	2CPX042117R9999	MD252	2CPX042114R9999
		3	750	500	108	-	●		225	1	MBD352	2CPX042118R9999	MD352	2CPX042115R9999

^{*1}Expansion on EDF mounting frame | ^{*2}Expansion on WR mounting frame

Interior expansion system CombiLine N

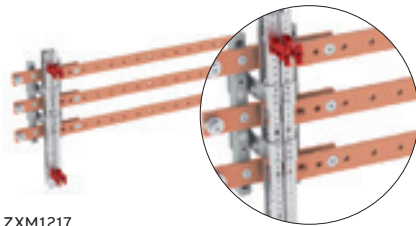
Busbar system 100 mm, NH00 switch disconnecter, M(B)D...52(B)



ZXM1215

- Busbars for individual cabinet installation
- With the EDF and WR mounting frame, defined combinations (see info PW 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

Cu-Schiene	I _n	Width			Kit unmounted		Mounted and installed in the cabinet	
		mm	A	PW	mm	Unit	Type	Order code
30 x 10	630	1		184		1	ZX1210	2CPX042121R9999
		2		434		1	ZX1211	2CPX042122R9999
		3		684		1	ZX1212	2CPX042123R9999
40 x 10	850	1		184		1	ZX1213	2CPX042124R9999
		2		434		1	ZX1214	2CPX042125R9999
		3		684		1	ZX1215	2CPX042126R9999



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

Cu-Schiene	I _n	Width			Kit unmounted		Mounted and installed in the cabinet	
		mm	A	mm	Unit	Type	Order code	Type
30 x 10	630			230	1	ZX1216	2CPX042119R9999	ZXM1216
40 x 10	850			230	1	ZX1217	2CPX042120R9999	ZXM1217

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

Interior expansion system CombiLine N

General accessories

Article		Unit	Type	Order code
 ZX66P4	Device carrier connector For connecting EDF and WR mounting frames	4	ZX66P4	2CPX062562R9999
		50	ZX66P50	2CPX068614R9999
  ED44P10 ED45P10	Wire holder 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
	For the wire guidance or receiving a plastic tube of Ø 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
 ED59P10	DIN rails adapter For ED44 and ED45, to be snapped onto the DIN rail from the front	10	ED59P10	2CPX062339R9999
 ED57P10	Adapter To assemble the wire holders ED44 and ED45 on the perforated mounting plate	10	ED57P10	2CPX061179R9999
  ED42P10 ED43P10	Console for the ED44 and ED45 wire holders			
	To be inserted in the DIN rail from the rear	10	ED42P10	2CPX062333R9999
	To be snapped onto the DIN rail from the front	10	ED43P10	2CPX062334R9999
 ED47	Cover As a view shutter for wire guidance in the wire holder ED44 and ED45, 1 m long	1	ED47	2CPX039309R9999
 ZA1P5	Blanking plates			
	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

Notes

Interior expansion system parts

DIN rails and DIN rail accessories

Article		Use for...	Unit	Type	Order code
 ED1	DIN rail with hole pattern for wire holders ED44/ED45				
	Wide rail 1, 35 x 15 mm for assembly on the mounting frame				
	1-field width, length 244 mm	M(B)K...12/M(B)G1... M(B)G41.../M(B)A160ALA	1	ED1	2CPX039381R9999
			30	ED1P30	2CPX062319R9999
	2-field width, length 494 mm	M(B)U270 M(B)G2.../M(B)G42...	1	ED2	2CPX039382R9999
			30	ED2P30	2CPX062320R9999
	3-field width, length 744 mm	M(B)U370 M(B)G3.../M(B)G43...	1	ED3	2CPX039383R9999
			30	ED3P30	2CPX062321R9999
	4-field width, length 994 mm	-	1	ED4	2CPX039384R9999
			30	ED4P30	2CPX062735R9999
 ED51	By meter Length 2000 mm				
		-	1	ED6	2CPX039386R9999
			10	ED6P10	2CPX062705R9999
	Wide rail 2, 35 x 15 mm for assembly between the mounting frame				
	1-field width, length 188 mm	M(B)V1.../ M(B)K1... M(B)N1...	1	ED51	2CPX039251R9999
			30	ED51P30	2CPX062322R9999
	2-field width, length 438 mm	M(B)V2.../ M(B)K2... M(B)K...13/M(B)C2...HS M(B)N2...	1	ED52	2CPX039252R9999
			30	ED52P30	2CPX062323R9999
	3-field width, length 688 mm	M(B)K3... M(B)C3...HS/M(B)N3...	1	ED53	2CPX039253R9999
			30	ED53P30	2CPX062324R9999
 ZX21	4-field width, length 938 mm	-	1	ED54	2CPX039254R9999
	DIN rail 35 x 15 mm For terminal block modules, vertical, length 591 mm, module height 600 mm/4RE				
		M(B)K...14	1	ED74	2CPX042185R9999
	DIN rail , 35 x 7,5 mm 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
	For assembly between the mounting frame				
	1-field width, length 188 mm	M(B)K1...K	1	ZX371	2CPX068076R9999
 ZK90P2	2-field width, length 438 mm	-	1	ZX389	2CPX068190R9999
	Insulator piece 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
 ZX372P2	Mounting bracket For ZK90P2				
		M(B)K1...K	2	ZX372P2	2CPX062544R9999

Interior expansion system parts

Profile rails and mounting bracket

Article		Used for ...	Unit	Type	Order code
 ZW395	Crossbar busbar holder 3-panel wide not adjustable				
		M(B)T350(B) M(B)T351(B) M(B)H350(B) M(B)H351(B) M(B)R302(B)	1	ZW395	2CPX041136R9999
 ZW396	Can be moved if necessary				
		M(B)R303 M(B)S324 M(B)S327	1	ZW396	2CPX041137R9999
Mounting brackets					
 ZX343	 ZX334	For busbar modules S700 and S750 on EDF and WR mounting frame	M(B)H...50	1	ZX343 2CPX064152R9999
		For cable connection modules, to lower DIN rails on EDF and WR mounting frame	M(B)V...80 M(B)V...81	1	ZX334 2CPX064166R9999
Deep-mounting bracket					
 ZW480	 ZW481	For equipment on busbar modules 100 mm, with 3-step adjustability on EDF and WR mounting frame	M(B)D...52(B)	4	ZW480 2CPX042239R9999
		For equipment on busbar modules 185 mm, with 2-step adjustability on WR mounting frame	M(B)D...21-300(B)	4	ZW481 2CPX042195R9999
 ZW485P2	MBB holder set for busbar holders ZX522				
			M(B)X...	2	ZW485P2 2CPX063200R9999
 ZW490P2	N holder for N/PE busbar holder ZX563				
			M(B)X...N	2	ZW490P2 2CPX062798R9999
 ZW491P2	PE holder				
			M(B)X...N	2	ZW491P2 2CPX062799R9999
 ZW482	Support bracket with NH and EFM cover, for equipment on busbar modules 185 mm, on WR mounting frame				
			M(B)D...21-300(B)	2	ZW482 2CPX042196R9999

Interior expansion system parts

T Deep angle piece for EDF or WR mounting frame

Article		Use for...	Unit	Type	Order code
 ZW39P2	Adjustment range 42 mm Distance between deep angle piece and cover of 83 - 125 mm* ² For EDF or WR profile For variable assembly $\frac{1}{2}$ □	M(B)K106 up to M(B)K310 M(B)K112 up to M(B)K314	2	ZW39P2	2CPX062681R9999
			100	ZW39P100	2CPX062715R9999
 ZW59P2	Adjustment range 71 mm Distance between deep angle piece and cover of 106 - 153 mm* ² For EDF or WR profile For variable assembly $\frac{1}{2}$ □	M(B)K107 up to M(B)K310 M(B)M111 up to M(B)M315 M(B)F183 up to M(B)F383	2	ZW59P2	2CPX062660R9999
			100	ZW59P100	2CPX062716R9999
 ZW79P2	Adjustment range 107 mm Distance between deep angle piece and cover of 142 - 190 mm* ² For EDF or WR profile For variable assembly $\frac{1}{2}$ □	M(B)F184 up to M(B)F384	2	ZW79P2	2CPX062688R9999
			100	ZW79P100	2CPX062717R9999
 ZW259P2	Adjustment range 64 mm Distance between deep angle piece and cover of 99 - 147 mm* ² for interconnecting copper rails For EDF or WR profile For variable assembly $\frac{1}{2}$ □	M(B)T250 up to M(B)T351	2	ZW259P2	2CPX062679R9999
 ED33P2	Adjustment range 62 mm Distance between deep angle piece and cover of 77 - 139 mm* ² For EDF profile For variable assembly $\frac{1}{2}$	Distributor panels with mounting plate	2	ED33P2	2CPX062305R9999
			100	ED33P100	2CPX062307R9999
 ZW60P2	Adjustment range 60 mm Distance between deep angle piece and cover of 119 - 179 mm* ² For WR profile For assembly in the 15 mm grid $\frac{1}{2}$	Free expansion	2	ZW60P2	2CPX062454R9999
			100	ZW60P100	2CPX062476R9999
 ZW142P2	Adjustment range 88 mm Distance between deep angle piece and cover of 128 - 216 mm* ² For WR profile For variable assembly $\frac{1}{2}$	M(B)L100 up to M(B)L300 M(B)S131 up to M(B)S331	2	ZW142P2	2CPX062463R9999
			40	ZW142P40	2CPX062477R9999

*² 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
 ZW255	For busbar module equipment 60 mm For busbar carrier ZX146 for additional support	M(B)R302(B)	1	ZW255	2CPX064151R9999
 ZW256	For busbar module equipment 60 mm For busbar carrier ZX146 for additional support	M(B)R303(B)	1	ZW256	2CPX062678R9999
 ZW399	For busbar module equipment 60 mm For busbar carrier ZX146 For EDF or WR mounting frame	M(B)R...H	1	ZW399	2CPX062972R9999
 ZW384	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
 ZW403LR	For busbar module equipment 60 mm For busbar carrier ZX146, deep-installed For WR mounting frame	M(B)R...03	1	ZW403LR	2CPX062974R9999
Mounting cross-bars for busbar carrier ZX518					
 ZX322	45° inclined for busbar module 1-field width	M(B)S128	1	ZX322	2CPX064159R9999
 ZX333	45° inclined for busbar module 2-field width	M(B)S228	1	ZX333	2CPX064163R9999
 ZW386	For N/PE busbar module Indented for busbar carrier	M(B)N...69	1	ZW386	2CPX062749R9999
 ZW390P2	For N/PE busbar module For additional support	M(B)N274, M(B)N275 M(B)N374, M(B)N375	2	ZW390P2	2CPX062486R9999
Mounting cross-beam for terminal blocks module					
 ZW322	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 fuse switch disconnectors

Article		Use for...	Unit	Type	Order code
 ED162	1-field width For OT200E03P and OT250E03P	MA200ALAB - MA250ALAB	1	ED162	2CPX068807R9999
 ED450	2-field width For XT5	MX208LX	1	ED450	2CPX063194R9999
 ED451	2-field width For XT6	MX210LX	1	ED451	2CPX063195R9999
 ED452	2-field width For XT7	MX211LX	1	ED452	2CPX063196R9999
 ED453	2-field width For OT630-800	MX208LA	1	ED453	2CPX063197R9999
 ED454	3-field width For OT1000-1250	MX310LA	1	ED454	2CPX063198R9999
 ED455	3-field width For ATS500-800	MX308A	1	ED455	2CPX063199R9999
 ED155	Universal mounting cross-beams with fastening screws and cage nuts M4, M5, M6, M8 (2 cross-beams are required per switch)				
	For switch 250 A, 1-field width Cage nut each 2 x M4, M5, M6 Useful Width/Depth: 170 mm/135 mm	M(B)A250A	1	ED155	2CPX067963R9999
	For switch 630 A, 2-field width Cage nut each 2 x M5, M6 Useful Width/Depth: 420 mm/153 mm	M(B)A630A MA400ALSB - MA630ALSB	1	ED158	2CPX067969R9999
 ED173	For switch 800 A, 2-field width Cage nut each 2 x M5, M6, M8 Useful Width/Depth: 420 mm/161 mm	M(B)A800A	1	ED173	2CPX067998R9999

Interior expansion system parts

Assembly plates for depressed and fitted assembly

Article	Use for...	Unit	Type	Order code
 ZW365	Mounting plates for assembly between the mounting frame For depressed assembly with deep angle piece Deep angle pieces are to be ordered separately Height x Width 1-field width			
	1 OH, 116 x 188 mm	M(B)M111	1	ZW365 2CPX068073R9999
	2 OH, 266 x 188 mm	M(B)M112	1	ZW338 2CPX067938R9999
	3 OH, 416 x 188 mm	M(B)M113	1	ZW341 2CPX067941R9999
	4 OH, 566 x 188 mm	M(B)M114	1	ZW344 2CPX067944R9999
	5 OH, 716 x 188 mm	M(B)M115	1	ZW362 2CPX068070R9999
	2-field width			
	1 OH, 116 x 438 mm	M(B)M211	1	ZW336 2CPX067936R9999
	2 OH, 266 x 438 mm	M(B)M212	1	ZW339 2CPX067939R9999
	3 OH, 416 x 438 mm	M(B)M213	1	ZW342 2CPX067942R9999
	4 OH, 566 x 438 mm	M(B)M214	1	ZW345 2CPX067945R9999
	5 OH, 716 x 438 mm	M(B)M215	1	ZW363 2CPX068071R9999
	3-field width			
	1 OH, 116 x 688 mm	M(B)M311	1	ZW337 2CPX067937R9999
	2 OH, 266 x 688 mm	M(B)M312	1	ZW340 2CPX067940R9999
	3 OH, 416 x 688 mm	M(B)M313	1	ZW343 2CPX067943R9999
	4 OH, 566 x 688 mm	M(B)M314	1	ZW346 2CPX067946R9999
	5 OH, 716 x 688 mm	M(B)M315	1	ZW364 2CPX068072R9999
 ZX605	Mounting plates For assembly on the mounting frame For fitted assembly in the small distributor without deep angle piece 1-feldbreit			
	2 OH, 266 x 200 mm	M(B)M112K	1	ZX605 2CPX067776R9999
	1-feldbreit			
	3 OH, 416 x 200 mm	M(B)M113K	1	ZX606 2CPX067777R9999
	1-feldbreit			
	4 OH, 566 x 200 mm	M(B)M114K	1	ZX607 2CPX064154R9999

Interior expansion system parts

Yard goods busbars

Article		Unit	Type	Order code
 ZX400	Rated current (I_n) 250 A 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	Rated current (I_n) 320 A 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	Rated current (I_n) 360 A 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	Rated current (I_n) 390 A 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	Rated current (I_n) 440 A 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	Rated current (I_n) 500 A 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	Rated current (I_n) 630 A 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	Rated current (I_n) 850 A 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
 ZX418	Bemessungsstrom (I_n) 1000 A Cu busbars 50 x 10 mm			
	1 m	1	ZX418	2CPX061418R9999
	2 m	1	ZX419	2CPX061419R9999
	3 m	1	ZX420	2CPX061420R9999
	4 m	1	ZX358	2CPX061358R9999

Interior expansion system parts

Busbar brackets and accessories

Article		Use for...	Unit	Type	Order code
 ZX146	Busbar bracket				
	Busbar bracket 3-pole	M(B)R...02(B)	1	ZX146	2CPX044010R9999
	Busbar center distance 60 mm For copper rails 12 x 5 mm to 30 x 10 mm	M(B)R...H M(B)R...03	10	ZX146P10	2CPX062718R9999
 ZX520	Busbar center distance 60 mm/100 mm	M(B)D...52(B)	1	ZX520	2CPX067861R9999
	For copper rails 30 x 10 mm to 60 x 10 mm	M(B)S...31	10	ZX520P10	2CPX062552R9999
 ZX523	Busbar center distance 100 mm/ 185 mm	M(B)D...00(B)	1	ZX522	2CPX067909R9999
	For copper rails 30 x 10 mm to 100 x 10 mm	MD...B	10	ZX522P10	2CPX062553R9999
 ZX563	Busbar bracket 3-/4-pole	M(B)D25 M(B)D35	1	ZX523	2CPX068553R9999
	Busbar center distance 185 mm For copper rails 40 x 10 mm				
 ZX157	N/PE busbar carrier	-	1	ZX563	2CPX068735R9999
	For copper rails 30 x 10 mm up to 50 x 10 mm		10	ZX563P10	2CPX068736R9999
 ZX172	N/PE busbar carrier	-	1	ZX157	2CPX044009R9999
	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		10	ZX157P10	2CPX062722R9999
 ZX50	End cover	M(B)H...50 M(B)R...02(B) M(B)S...24	1	ZX172	2CPX060232R9999
	For busbar carrier ZX146/ZB5		10	ZX172P10	2CPX062724R9999
 ZX39	Support insulators with wrench flat				
	Diameter x length: 30 x 30 mm,	-	1	ZX50	2CPX039050R9999
	Thread on both sides: M6		20	ZX50P20	2CPX062725R9999
	Wrench size: 30 mm				
	Diameter x length: 30 x 30 mm,	-	1	ZX51	2CPX039051R9999
	Thread on both sides: M8		20	ZX51P20	2CPX062726R9999
	Wrench size: 30 mm				
	Diameter x length: 40 x 40 mm,	-	1	ZX52	2CPX039052R9999
	Thread on both sides: M10		20	ZX52P20	2CPX062560R9999
	Wrench size: 40 mm				
	Diameter x length: 50 x 60 mm,	-	1	ZX53	2CPX039053R9999
	Thread on both sides: M12		20	ZX53P20	2CPX062559R9999
	Wrench size: 50 mm				
	Diameter x length: 40 x 50 mm,	-	1	ZX54	2CPX039054R9999
	thread on one side: M12		20	ZX54P20	2CPX062727R9999
	Threaded bolts on one side: M12 x 65 mm				
	CU spacer				
	30 x 11 mm, Inside diameter 10.5 mm		1	ZX39	2CPX060213R9999
	Cross section 620 mm²		10	ZX39P10	2CPX062134R9999
	30 x 22 mm, Inside diameter 10.5 mm		1	ZX40	2CPX060214R9999
	Cross section 620 mm²		10	ZX40P10	2CPX062135R9999
	30 x 33 mm, Inside diameter 10.5 mm		1	ZX41	2CPX060215R9999
	Cross section 620 mm²		10	ZX41P10	2CPX062136R9999

Interior expansion system parts

Covers for rail-mounted devices, row spacing 125 mm

Article		Unit	Type	Order code
Cover 1-field width, with 90° press-and-turn lock				
 AS11	Height x Width			
	150 x 250 mm without slit	1	AG11	2CPX062801R9999
	150 x 250 mm with slit	1	AS11	2CPX062802R9999
 AS12	300 x 250 mm without slit	1	AG12	2CPX062803R9999
	300 x 250 mm with slit	1	AS12	2CPX062804R9999
 AS13	450 x 250 mm without slit	1	AG13	2CPX062805R9999
	450 x 250 mm with slit	1	AS13	2CPX062806R9999
 AS14	600 x 250 mm without slit	1	AG14	2CPX062807R9999
	600 x 250 mm with slit	1	AS14	2CPX062808R9999
 AS15	750 x 250 mm without slit	1	AG15	2CPX062809R9999
	750 x 250 mm with slit	1	AS15	2CPX062810R9999
Cover 2-field width, with 90° press-and-turn lock				
 AS21	Height x Width			
	150 x 500 mm without slit	1	AG21	2CPX062811R9999
	150 x 500 mm with slit	1	AS21	2CPX062812R9999
 AS22	300 x 500 mm without slit	1	AG22	2CPX062813R9999
	300 x 500 mm with slit	1	AS22	2CPX062814R9999
 AS23	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

Article		Unit	Type	Order code
Cover 2-field width, with 90° press-and-turn lock				
 AS24	Height x width			
	600 x 500 mm without slit	1	AG24	2CPX062817R9999
	600 x 500 mm with slit	1	AS24	2CPX062818R9999
 AS25	750 x 500 mm without slit	1	AG25	2CPX062819R9999
	750 x 500 mm with slit	1	AS25	2CPX062820R9999
Cover 3-field width, with 90° press-and-turn lock				
 AS31	Height x width			
	150 x 750 mm without slit	1	AG31	2CPX062821R9999
	150 x 750 mm with slit	1	AS31	2CPX062822R9999
 AS32	300 x 750 mm without slit	1	AG32	2CPX062823R9999
	300 x 750 mm with slit	1	AS32	2CPX062824R9999
 AS33	450 x 750 mm without slit	1	AG33	2CPX062825R9999
	450 x 750 mm with slit	1	AS33	2CPX062826R9999
 AS34	600 x 750 mm without slit	1	AG34	2CPX062827R9999
	600 x 750 mm with slit	1	AS34	2CPX062828R9999
 AS35	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

Article		Unit	Type	Order code
Cover 1-field width, with 90° press-and-turn lock				
 AH1  AS11  AS212  AS213  AS214  AS215	Height x Width			
	75 x 250 mm Without slit	1	AH1	2CPX070387R9999
	150 x 250 mm Without slit	1	AG11	2CPX062801R9999
	With slit	1	AS11	2CPX062802R9999
	300 x 250 mm Without slit	1	AG212	2CPX062831R9999
	With slit	1	AS212	2CPX062832R9999
	450 x 250 mm Without slit	1	AG213	2CPX062833R9999
	With slit	1	AS213	2CPX062834R9999
	600 x 250 mm Without slit	1	AG214	2CPX062835R9999
	With slit	1	AS214	2CPX062836R9999
	750 x 250 mm Without slit	1	AG215	2CPX062837R9999
	With slit	1	AS215	2CPX062838R9999
Cover 2-field width, with 90° press-and-turn lock				
 AH2  AS21  AS222  AS223	Height x Width			
	75 x 500 mm without slit	1	AH2	2CPX070388R9999
	150 x 500 mm Without slit	1	AG21	2CPX062811R9999
	With slit	1	AS21	2CPX062812R9999
	300 x 500 mm Without slit	1	AG222	2CPX062839R9999
	With slit	1	AS222	2CPX062840R9999
	450 x 500 mm Without slit	1	AG223	2CPX062841R9999
	With slit	1	AS223	2CPX062842R9999

Interior expansion system parts

Covers for rail-mounted devices, row spacing 150 mm

Article		Unit	Type	Order code
Cover 2-field width, with 90° press-and-turn lock				
 AS224	Height x Width			
	600 x 500 mm	1	AG224	2CPX062843R9999
	Without slit			
	With slit	1	AS224	2CPX062844R9999
 AS225	750 x 500 mm	1	AG225	2CPX062845R9999
	Without slit			
	With slit	1	AS225	2CPX062846R9999
Cover 3-field width, with 90° press-and-turn lock				
 AS31	Height x Width			
	150 x 750	1	AG31	2CPX062821R9999
	Without slit			
	With slit	1	AS31	2CPX062822R9999
 AS232	300 x 750 mm	1	AG232	2CPX062847R9999
	Without slit			
	With slit	1	AS232	2CPX062848R9999
 AS233	450 x 750 mm	1	AG233	2CPX062849R9999
	Without slit			
	With slit	1	AS233	2CPX062850R9999
 AS234	600 x 750 mm	1	AG234	2CPX062851R9999
	Without slit			
	With slit	1	AS234	2CPX062852R9999
 AS235	750 x 750 mm	1	AG235	2CPX062853R9999
	Without slit			
	With slit	1	AS235	2CPX062854R9999

Interior expansion system parts

Covers, 1-field width with cutout or viewing window

Article		Use for...	Unit	Type	Order code
 AG200	Cover, 1-field width, with 90° press-and-turn lock				
	Height x Width				
 AG240	300 x 250 mm, with cutout For OT-circuit OT160M3	MA160ALAB	1	AG200	2CPX062931R9999
	300 x 250 mm, with cutout For OT-circuit OT200E03P, OT250E03P	MA200ALAB MA250ALAB	1	AG201	2CPX062932R9999
 AG243	450 x 250 mm, with cutout Für 3 x NH-fuse switch disconnecter NH00 100 mm busbar center distance	MD152B	1	AG240	2CPX042127R9999
	750 x 250 mm, with cutout Für 4 x NH-fuse switch disconnecter NH00 185 mm busbar center distance	MD100B	1	AG243	2CPX042187R9999
 AG246	900 x 250 mm, with cutout Für 4 x NH-fuse switch disconnecter NH00 + EFM 185 mm busbar center distance	MBD100E	1	AG246	2CPX042190R9999
	300 x 250 mm, with viewing window	-	1	AG12S	2CPX062228R9999
 AG12S	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, 1-field width with cutout

Article		Use for...	Unit	Type	Order code
Cover, 1-field width, with 90° press-and-turn lock					
 AG205	Height x Width				
	300 x 250 mm, with cutout Für Tmax Schalter XT1, XT3	M(B)A190T	1	AG205	2CPX062936R9999
	For Tmax circuit XT1	MA100ALXB MA160ALXB	1	AG208	2CPX062993R9999
	For Tmax circuit XT3	MA200ALXB MA250ALXB	1	AG209	2CPX062994R9999
 AG206	300 x 250 mm, with cutout For Tmax circuit XT2	M(B)A191T	1	AG206	2CPX062855R9999
 AG207	450 x 250 mm, with cutout For Tmax circuit XT4	M(B)A193T	1	AG207	2CPX062856R9999
 AG1304	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
 AG175	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
 AG160					
 AG121	300 x 250 mm, with cutout For bus-mounting fuse socket Space for horizontal installation devices 134 mm	M(B)R102H	1	AG121	2CPX062969R9999
 AG131	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, 2-field width with cutout

Article	Use for...	Unit	Type	Order code
Covers, 2-field width, with 90° press-and-turn lock				
 AG208X	Height x Width			
	600 x 500, with cutout For XT5	MX208LX	1	AG208X 2CPX062995R9999
 AG208XB	600 x 500, with cutout For XT5 RC bottom	MX208LXB	1	AG208XB 2CPX062996R9999
 AG210X	600 x 500, with cutout For XT6	MX210LX	1	AG210X 2CPX062998R9999
 AG212X	600 x 500, with cutout For XT7	MX212LX	1	AG212X 2CPX062999R9999
 AG208XAL	600 x 500, with cutout For OT630-800, lever left	MX208LAL	1	AG208XAL 2CPX063189R9999
 AG208XAM	600 x 500, with cutout For OT630-800, lever middle	MX208LAM	1	AG208XAM 2CPX063190R9999
 AG259	300 x 500 mm, with cutout For Tmax circuit XT1, XT3	M(B)A290T	1	AG259 2CPX062979R9999
 AG1404	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

Interior expansion system parts

Covers, 2-field width with cutout or viewing window

Article	Use for...	Unit	Type	Order code
Covers, 2-field width, with 90° press-and-turn lock				
 AG244	Height x Width			
	750 x 500 mm, with cutout For 8 x NH-fuse switch disconnecter 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
 AG247	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
 AG179	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
 AG225	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, 3-field width with cutout

Article	Use for...	Unit	Type	Order code
Covers with cutout, 3-field width, with 90° press-and-turn lock				
 AG359	Height x Width			
	300 x 750 mm, with cutout For Tmax circuit XT1, XT3	M(B)A390T	1	AG359 2CPX062980R9999
 AG327	300 x 750 mm, with cutout			
	For S700	M(B)H350	1	AG327 2CPX062988R9999
 AG321	For S750	M(B)H351	1	AG328 2CPX062991R9999
	300 x 750 mm, with cutout For clip fuse-holder 24 x 3 x D02	M(B)R302(B)	1	AG321 2CPX062971R9999
 AG310XAL	600 x 750, with cutout For OT1000-1250, lever left	MX310LAL	1	AG310XAL 2CPX063191R9999
 AG310XAM	600 x 750, with cutout For OT1000-1250, lever middle	MX310LAM	1	AG310XAM 2CPX063192R9999
 AG308XU	600 x 750, with cutout For ATS500-800	MX308LU	1	AG308XU 2CPX063193R9999
 AG242	450 x 750 mm, with cutout For 12 x NH-fuse switch disconnecter, 100 mm busbar center distance	MD352B	1	AG242 2CPX042129R9999
 AG245	750 x 750 mm, with cutout For 12 x NH-fuse switch disconnecter, 185 mm busbar center distance	MD300B	1	AG245 2CPX042189R9999
 AG180	750 x 750 mm, with cutout For switch disconnectors 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 switch disconnectors with fuse, ABB SlimLine XR Cutout 600 mm Width	-	1	AG180 2CPX062906R9999
 AG248	900 x 750 mm, with cutout For 12 x NH-fuse switch disconnecter NH00 + EFM 185 mm busbar center distance	MBD300E	1	AG248 2CPX042192R9999

Interior expansion system parts

Cover parts

Article		Use for...	Unit	Type	Order code
 ED137P4	Cover bracket 45 mm tall 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
 ED138P4	Cover bracket 52.5 mm tall 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	Alle Module	4	ED138P4	2CPX062630R9999
			12	ED138P12	2CPX062602R9999
			40	ED138P40	2CPX062603R9999
			1600	ED138P1600	2CPX062702R9999
 ED139P4	Cover bracket 88 mm tall 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
 ED110	Cover bracket 1 set left / right		2	ED110	2CPX039320R9999
 ED135P4	Distanz Unit To extend the cover holder by 25 mm	M(B)R...03	4	ED135P4	2CPX062610R9999
			40	ED135P40	2CPX062733R9999
 ED58P10	DIN rails adapter For cover brackets ED138 and ED139 to be snapped onto the DIN rail from the front		10	ED58P10	2CPX062338R9999
 ED50P12	90 degree press-and-turn lock For mounting macrolon, sheet metal or aluminum plates on the cover brackets	All covers	12	ED50P12	2CPX062337R9999
 ED41P4	For mounting macrolon, sheet metal or aluminum plates on the cover brackets		4	ED41P4	2CPX062332R9999
 ED136P4	Screw insert For metric thread, M5, for mounting macrolon, sheet metal or aluminum plates on the EDF cover brackets		4	ED136P4	2CPX062611R9999
 ZB35P5	Sealing nipple for subsequent installation in standard field covers (6 mm hole must be drilled)		5	ZB35P5	2CPX062392R9999

Distribution panel system CombiLine N

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_n)
- 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.

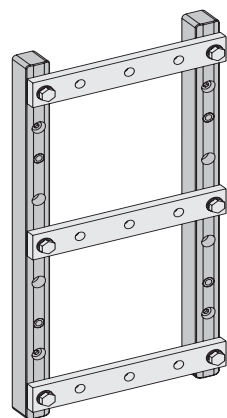
It contains information on how connections

- should be made in geometry
- with which fastening elements
- and with which torques.

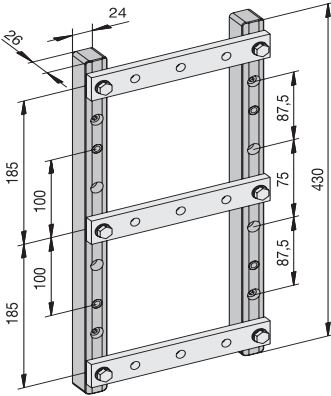
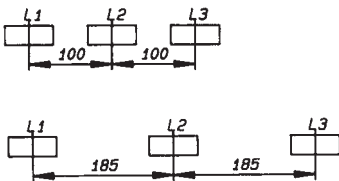
Of course, on the selection pages of this chapter we offer you the appropriate materials to make secure connections.

Distribution panel system CombiLine N

Technical specifications of the busbar holder 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 $U_e = 400$ V		
Rated impulse withstand voltage $U_{imp} = 6$ kV		
To be used with busbars E-Cu, unprocessed and blank.		

Dimensions	Rated current	Cross section	Weight
Cu busbars			
H x W (mm)	in A	in mm ²	(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	Busbar centre spacing (mm)	1 PW I_{cw}/kA	I_{pk}/kA	2 PW I_{cw}/kA	I_{pk}/kA	3 PW 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

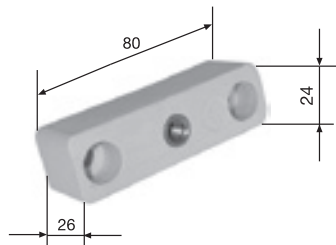
Rated voltage $U_e = 400$ V

Rated impulse withstand voltage $U_{imp} = 8$ kV

To be used with busbars E-Cu, unprocessed and blank.



Dimensions	Rated current	Cross section	Weight
Cu busbars			
H x W (mm)	in A	in mm ²	(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	Busbar holder spacing max. (mm)	I_{cw} /kA	I_{pk} /kA
H x W (mm)			
30 x 10	730	26.3	59.2
40 x 10	730	45.0	100.0
60 x 10	730	30.0	63.0