



TwinLine-X

Koppelbare verdeelkast voor meer flexibiliteit



- Stof- en waterdichte oplossing
- Eenvoudige montage en installatie
- Bijbehorend montagesysteem

De nieuwe, koppelbare TwinLine-X kastenserie van ABB biedt veel flexibiliteit bij de samenstelling van zowel geaarde als dubbelgeïsoleerde versies. De serie, een uitbreiding op het TwinLine N 55-systeem, maakt het mogelijk om staande kasten met open zijpaneel eenvoudig zijdelings te koppelen. Dat vereenvoudigt de doorvoer van stroomrails en biedt veel installatiegemak.

Stof- en waterdichte oplossing

De kasten uit deze serie kunnen eenvoudig met open zijpaneel zijdelings worden gekoppeld. De aansluiting en het zijpaneel zijn daarbij stof- en waterdicht, overeenkomstig beschermingsklasse IP55.

Bijbehorend montagesysteem

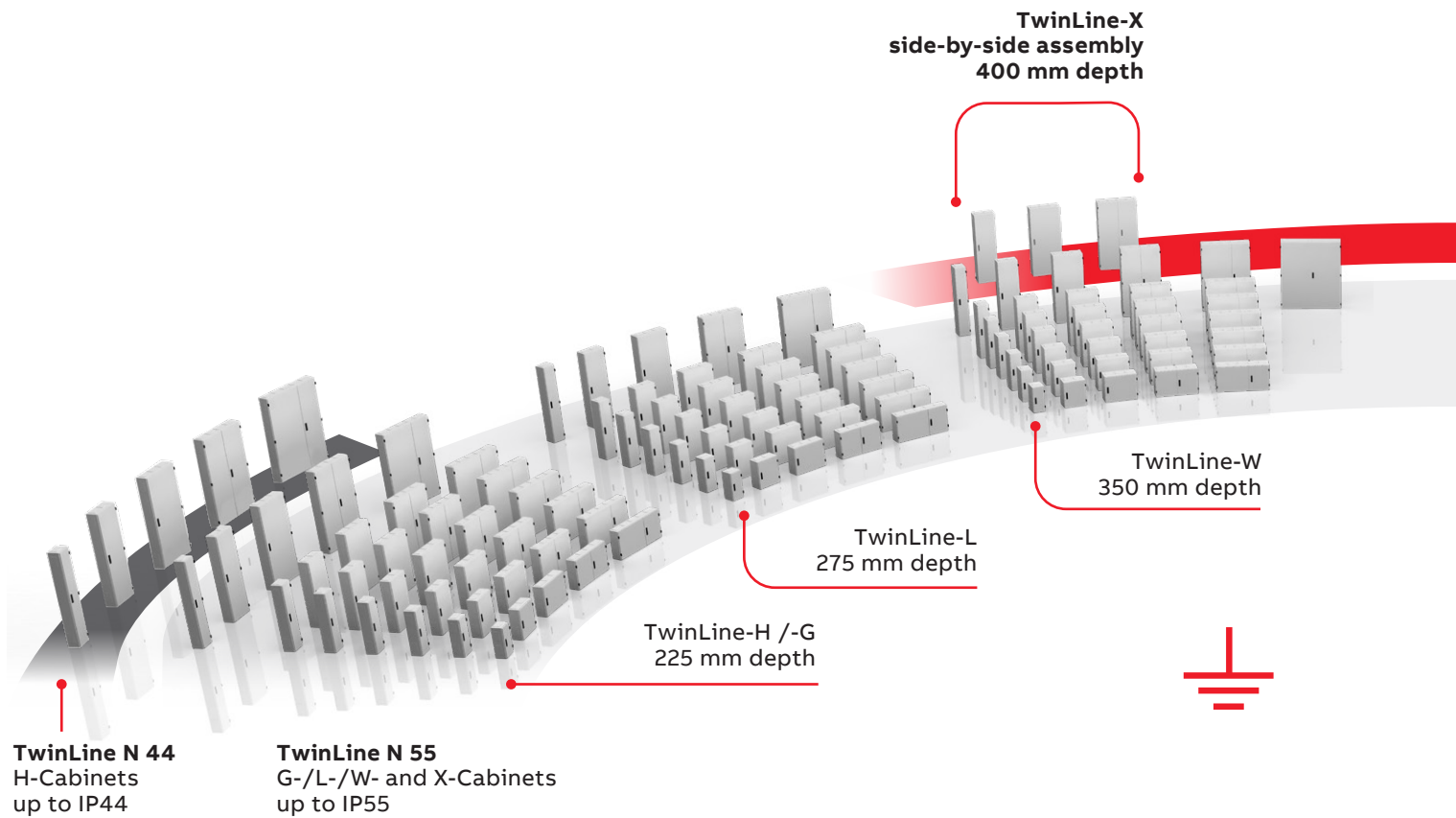
Bij de TwinLine-X kastenserie biedt ABB het bijbehorende modulaire CombiLine-X-systeem voor binnenmontage met uitgebreide toepassingsmogelijkheden.

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Floor-standing cabinets TwinLine

The complete cabinet system in all sizes

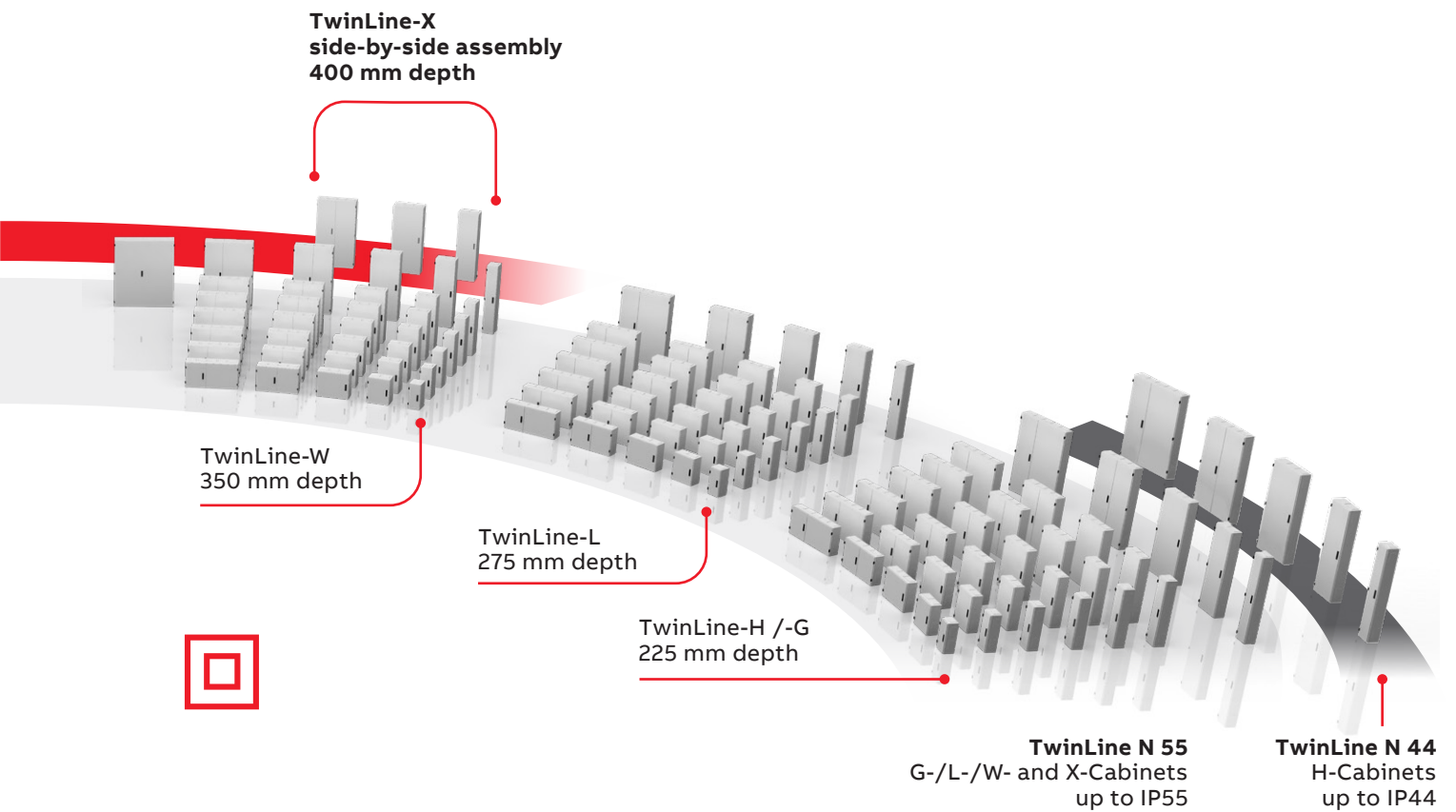


		TwinLine N 44					TwinLine N 55										TwinLine-X														
Cabinet series		TwinLine-H					TwinLine-G					TwinLine-L					TwinLine-W					TwinLine-X									
Protection class		up to IP44					up to IP55										up to IP55					up to IP55									
Depth		225					225					275					350					400								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



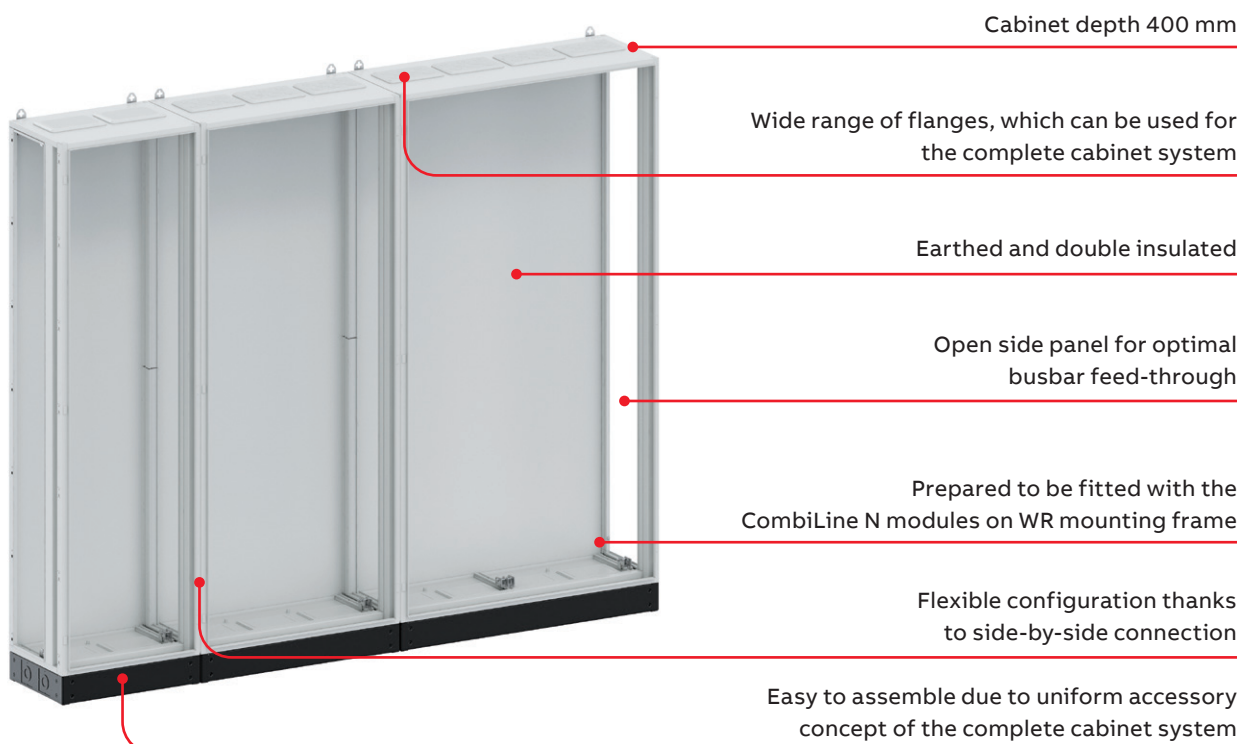
Cabinet series	TwinLine N 44					TwinLine N 55										TwinLine-X												
	TwinLine-H					TwinLine-G					TwinLine-L						TwinLine-W											
Protection class	up to IP44					up to IP55										bis IP55					up to IP55							
Depth	225					225					275					350					400							
Width	300	550	800	1050	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

Floor-standing cabinets TwinLine N 55

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

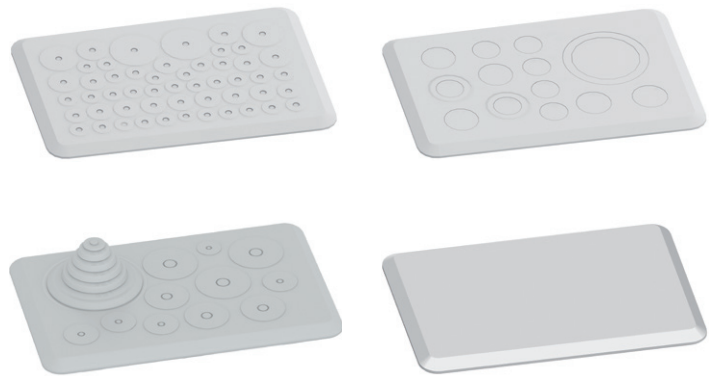
The TwinLine N wall-mounted and floor-standing enclosures for distribution board assembly meet practical requirements in every respect. With the TwinLine-X cabinet series, ABB STRIEBEL & JOHN is now expanding the TwinLine N 55 system with floor-standing cabinets with side-by-side assembly in an earthed 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

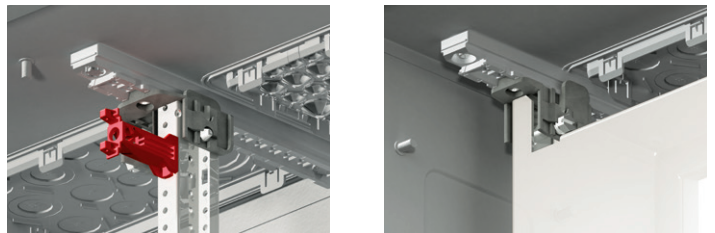
The following flange types are available:

- 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 assembly 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

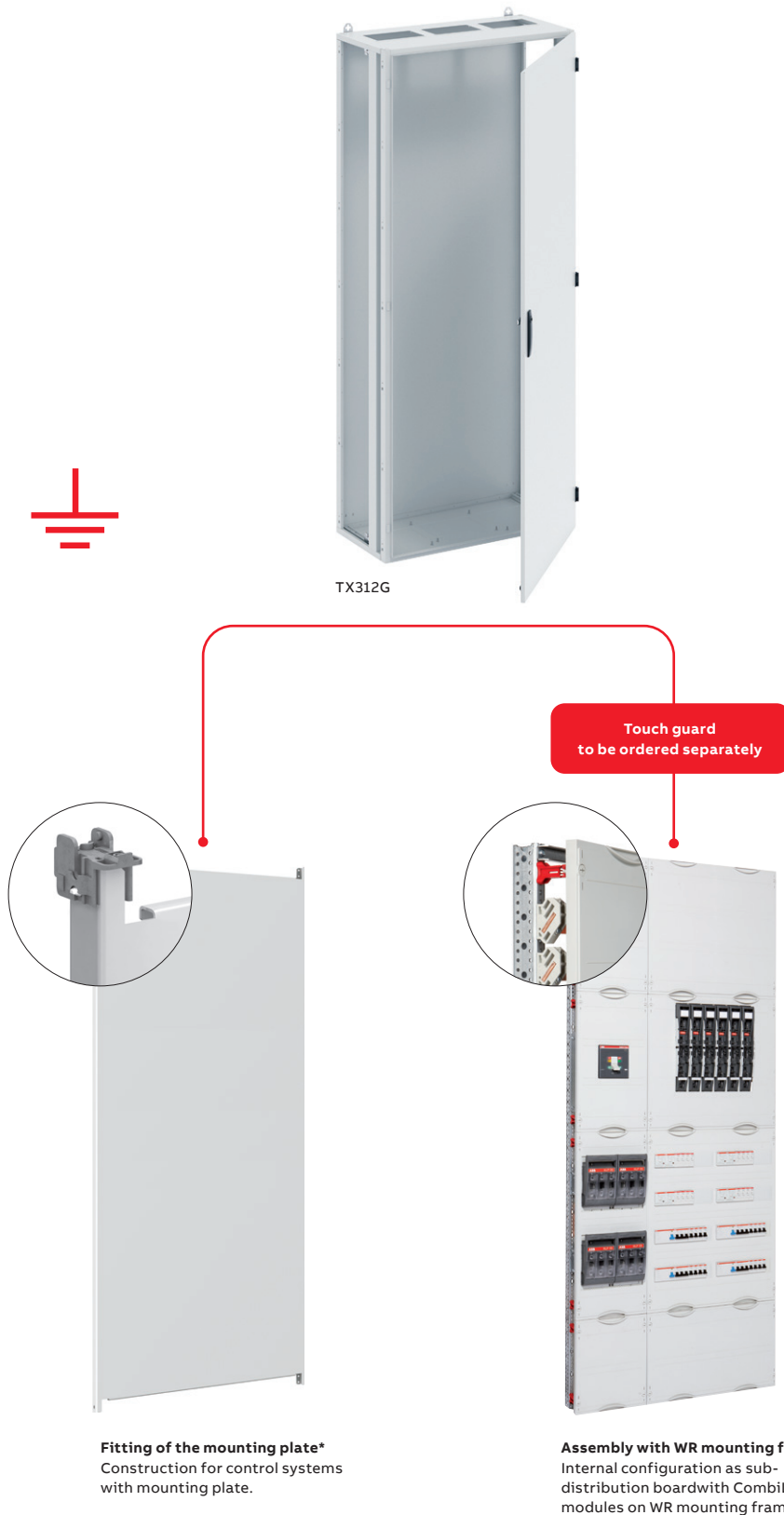
inLine-X with door, IP55, $\frac{1}{2}$	
Standards/regulations	DIN EN 62208, DIN EN 61439-1/-2/-3, DIN VDE 0660-600-1/-2/-3 ¹
Mechanical impact strength	IK08 for the cabinet enclosure with sheet steel door IK07 in the area of flange knock-outs and for transparent doors
Environmental conditions	Indoor 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 or 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 options²	Prepared to be fitted with CombiLine modules to WR mounting frame and mounting plate
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



* 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 \pm



TX312G



Delivery contains

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

Accessories to be ordered separately

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

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

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

TX012G

TZ662

Floor-standing cabinets TwinLine N 55

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




TX312S


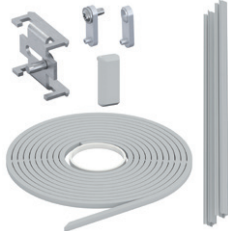
Delivery contains

- 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
 Side panel for TwinLine-X	1850 x 400	2	TZX012S	2CPX010988R9999
 Connection set for side-by-side assemblys		1	TZ663	2CPX010994R9999

TX012S

TZ663






Floor-standing cabinets TwinLine N 55

IP55 flanges

Article		Pcs	Type	Order code
	Membrane flange Material plastic			
 TZ101	With 52 cable sleeves 2 x 6 - 32,5 mm, 2 x 6 - 25 mm, 4 x 6 - 19 mm, 10 x 6 - 15 mm, 2 x 6 - 12 mm, 31 x 6 - 11 mm, 1 x 6 - 7 mm	1	TZ101	2CPX010450R9999
		10	TZ101P10	2CPX010451R9999
		100	TZ101P100	2CPX010826R9999
 TZ110	With 8 membrane entries For cables sections 8 x 13 – 34 mm	1	TZ110	2CPX010850R9999
		10	TZ110P10	2CPX010934R9999
 TZ111	With 12 membrane entries and 1 cable sleeve entry For cable diameter 1 x 14 to 54 mm, 3 x 13 to 34 mm, 3 x 13 to 26,5 mm, 4 x 5 to 21 mm, 1 x 6 to 15 mm	1	TZ111	2CPX010851R9999
		10	TZ111P10	2CPX010935R9999
	Flanges for M-screw joints Material plastic			
 TZ102	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
	Flanges with cable sleeves Material plastic			
 TZ112	With 1 cable sleeve For cable diameter 1 x 14 to 68 mm	1	TZ112	2CPX010852R9999
 TZ104	With 2 cable sleeve For cable diameter 2 x 14 to 68 mm	1	TZ104	2CPX010456R9999
		10	TZ104P10	2CPX010932R9999
 TZ105	With 3 cable sleeve For cable diameter 3 x 14 to 54 mm	1	TZ105	2CPX010457R9999
		10	TZ105P10	2CPX010933R9999
	Locking flanges Material plastic			
 TZ107		1	TZ107	2CPX010460R9999
		10	TZ107P10	2CPX010461R9999
 TZ106	Material steel sheet For earthed cabinets	1	TZ106	2CPX010458R9999
		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						
					1	ZK143	2CPX060005R9999
					1	ZK144	2CPX060006R9999
			1	ZK145	2CPX060007R9999		

Floor-standing cabinets TwinLine N 55










Lock replacement parts

Article	Unit	Type	Order code
Key plates for actuation pins			
 TZ507	1	TZ507	2CPX010491R9999
 TZ508	1	TZ508	2CPX010492R9999
Actuating pins			
 ZH130	1	ZH130	2CPX060490R9999
 ZH132	1	ZH131	2CPX060491R9999
	1	ZH132	2CPX060492R9999
 ZH134	1	ZH133	2CPX060493R9999
 ZH137	1	ZH134	2CPX060494R9999
	1	ZH135	2CPX060495R9999
	1	ZH136	2CPX060496R9999
	1	ZH137	2CPX060497R9999
L-handle			
 TZ503	1	TZ503	2CPX010487R9999
 TZ504	1	TZ504	2CPX010488R9999
T-handle			
 TZ505	1	TZ505	2CPX010489R9999
 TZ506	1	TZ506	2CPX010490R9999
 TZ510	1	TZ510	2CPX010494R9999
 ZH142	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	1	ZH91	2CPX066091R9999
			Universal key
			Double bit 3 mm/5 mm
			Triangular 8 mm, square 6 mm/8 mm
	1	ZH160	2CPX060660R9999
	1	ZH161	2CPX060661R9999
	1	ZH157	2CPX060657R9999
	1	ZH158	2CPX060658R9999
	1	ZH162	2CPX060662R9999
	1	ZH163	2CPX060663R9999
	1	ZH164	2CPX060664R9999
	1	ZH165	2CPX060665R9999
 ZH160			
 ZH157			
 ZH162			
 ZH165			
	1	TZ212	2CPX010468R9999
 TZ212			Rod lock 12 OH = 1800 mm with lock body*
	1	TZ511	2CPX010495R9999
 TZ511			Rod guide*
	1	TZ501	2CPX010485R9999
 TZ501			Bumper shoe* For rod lock
	1	TZ502	2CPX010486R9999
 TZ502			Rubber seal * For double door

* Replacement part included in the scope of delivery

Floor-standing cabinets TwinLine N 55

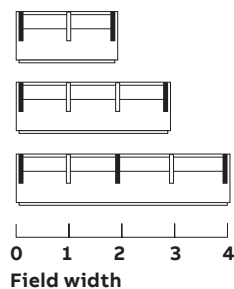
General accessories

Article	Unit	Unmounted		installed in the cabinet*	
		Type	Order code	Type	Order code
 TZ660	Mounting strips¹				
	For mounting frame holder				
	For TwinLine X				
	1	TZ660	2CPX010991R9999	TZ660A	2CPX010993R9999
	10	TZ660P10	2CPX010992R9999	-	-
 TZ604	Mounting frame holder middle¹, 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 holder¹ 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 bolt²				
	For TZ604 mounting frame holder in the middle				
	10	TZ631P10	2CPX010930R9999	-	-
 TZ632P10	Mounting bolt²				
	For TZ605 mounting frame holder right or left				
	10	TZ632P10	2CPX010931R9999	-	-
 TZ313	Cable clamp rails				
	For mounting in the cabinet				
	1	TZ312	2CPX010470R9999	TZ312A	2CPX010809R9999
	1	TZ313	2CPX010471R9999	TZ313A	2CPX010810R9999
	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



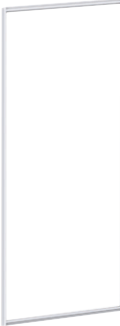

General accessories

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 plugs¹	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

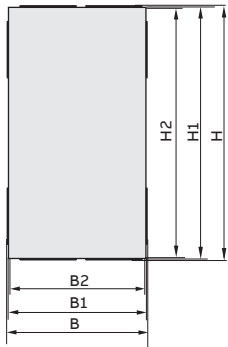
** Mounting plate installed at the factory, only in conjunction with empty cabinet

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

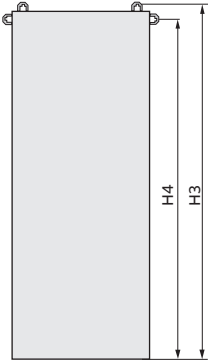
Floor-standing cabinets TwinLine N 55

Enclosure and fastening dimensions, cabinet depth 400 mm

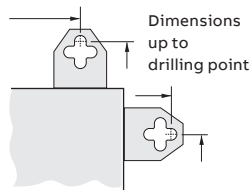
Top view
standing cabinet
External dimensions/
internal dimensions



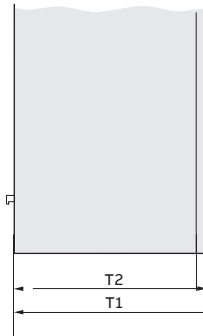
Front view
Standalone cabinet
Dimensions wall mounting



Front view
External mounting
Detail



Side view
With/without door



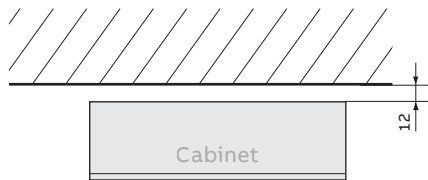
Height		Width		External dimensions		Internal dimensions		External dimensions*		Dimensions wall mounting		Depth	
GU	OH	PW	Type	H1	B1	H2	B2	H	B	H3	H4	T1	T2
TwinLine-X floor-standing cabinets ± □													
12	8	2	TX212	1850	550	1802	502	1854	564	1872	1796	400	394.5
		3	TX312	1850	800	1802	752	1854	814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

* incl. flange knockouts and side walls

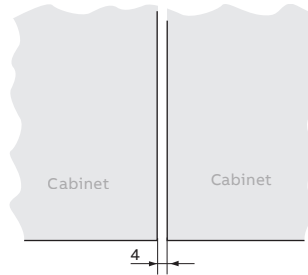
Floor-standing cabinets TwinLine N 55

Weights and power dissipation, cabinet depth 400 mm

Type of installation
Cabinet on the wall



Type of installation
Cabinet combination
side by side



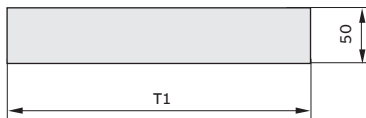
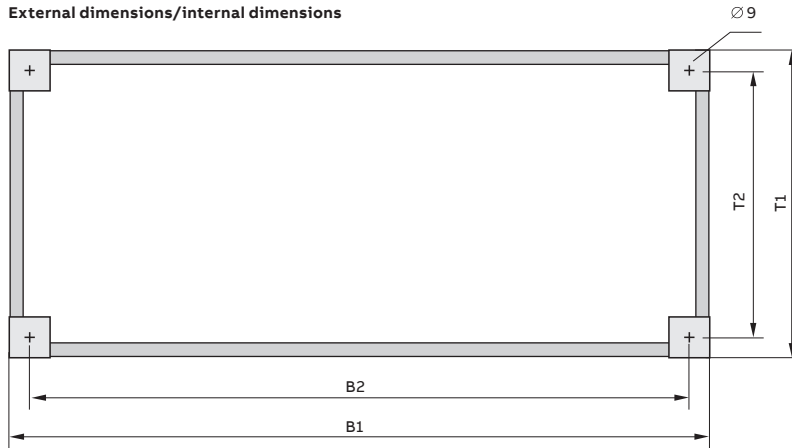
Height	Width		Power dissipation in watts* at overtemperature Δt 20K	Cabinet weight in kg		max. installation weight in kg
	GU	OH PW Type		With door \perp	With door \square	
TwinLine-X floor-standing cabinets \perp \square						
12	8	2 TX212	144.3	46.8	49.5	120.0
		3 TX312	192.1	55.2	59.5	180.0
		4 TX412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

External dimensions/internal dimensions

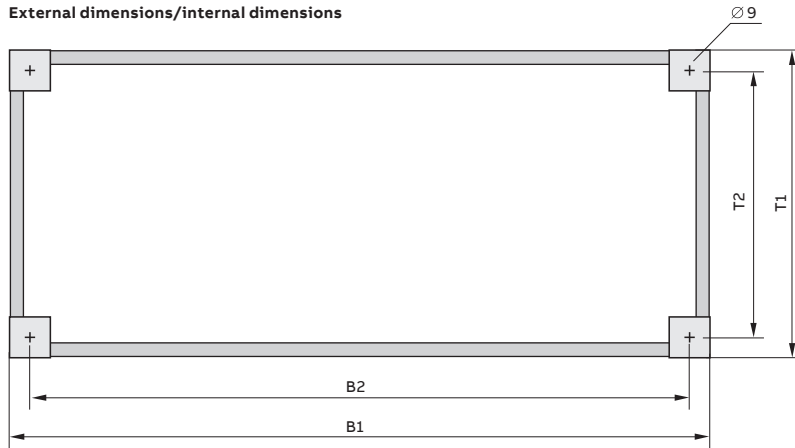


Height	Width		Type	External dimensions Width x Depth		Internal dimensions Width x Depth		Gewicht in kg
	Depth	PW		B1	T1	B2	T2	
TwinLine-X, base 50 mm								
50	400	2	TZX205	550	378,5	520	348,5	2.3
		3	TZX305	800	378,5	770	348,5	2.8
		4	TZX405	1050	378,5	1020	348,5	5.1

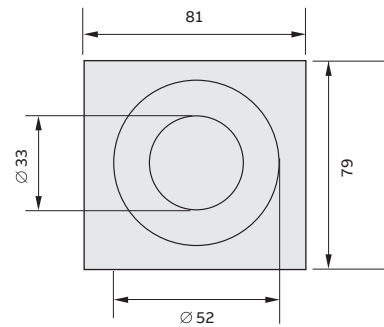
Floor-standing cabinets TwinLine N 55

Dimensions and weight – base, height 100 mm

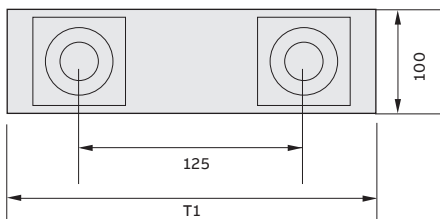
External dimensions/internal dimensions



Detail view for side knock-outs



View of side knock-outs TwinLine-X

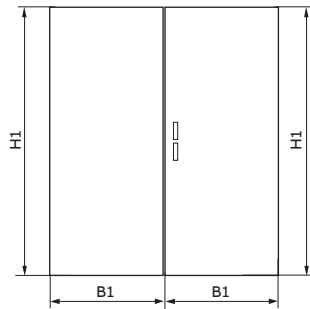


Height	Width		Type	External dimensions Width x depth		Internal dimensions Width x depth		Weight in kg
	Depth	PW		B1	T1	B2	T2	
TwinLine-X, base 100 mm								
100	400	2	TZX210	550	378.5	520	348.5	3.7
		3	TZX310	800	378.5	770	348.5	4.4
		4	TZX410	1050	378.5	1020	348.5	7.0

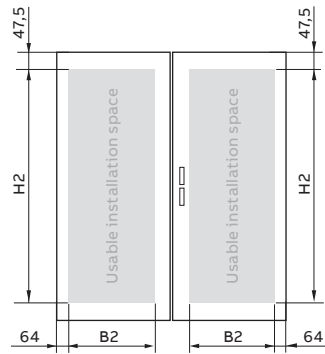
Floor-standing cabinets TwinLine N 55

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		Type	Remark	External dimensions Height x width		Installation space Height x width		Weight in kg	Max. installation weight in kg
	OH	BH			PW	H1	B1	H2		
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

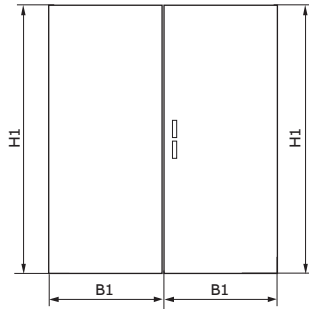
* For double-wing doors with 4 or more panel widths

² Dimensions incl. door centre bar

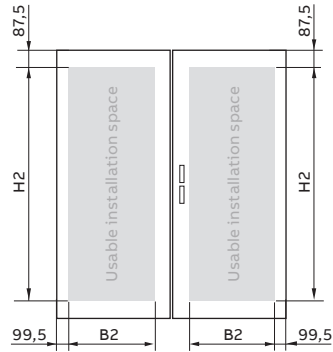
Floor-standing cabinets TwinLine N 55

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		Type	Remark	External dimensions Height x width		Installation space Height x width		Weight in kg
	OH	BH			PW	H1	B1	H2	
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

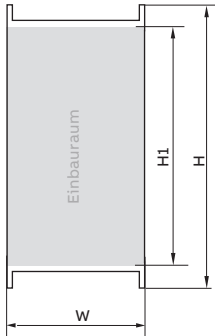
² Dimensions incl. door centre bar

Floor-standing cabinets TwinLine N 55

Dimensions and weights of the mounting plates

External dimensions / usable installation space

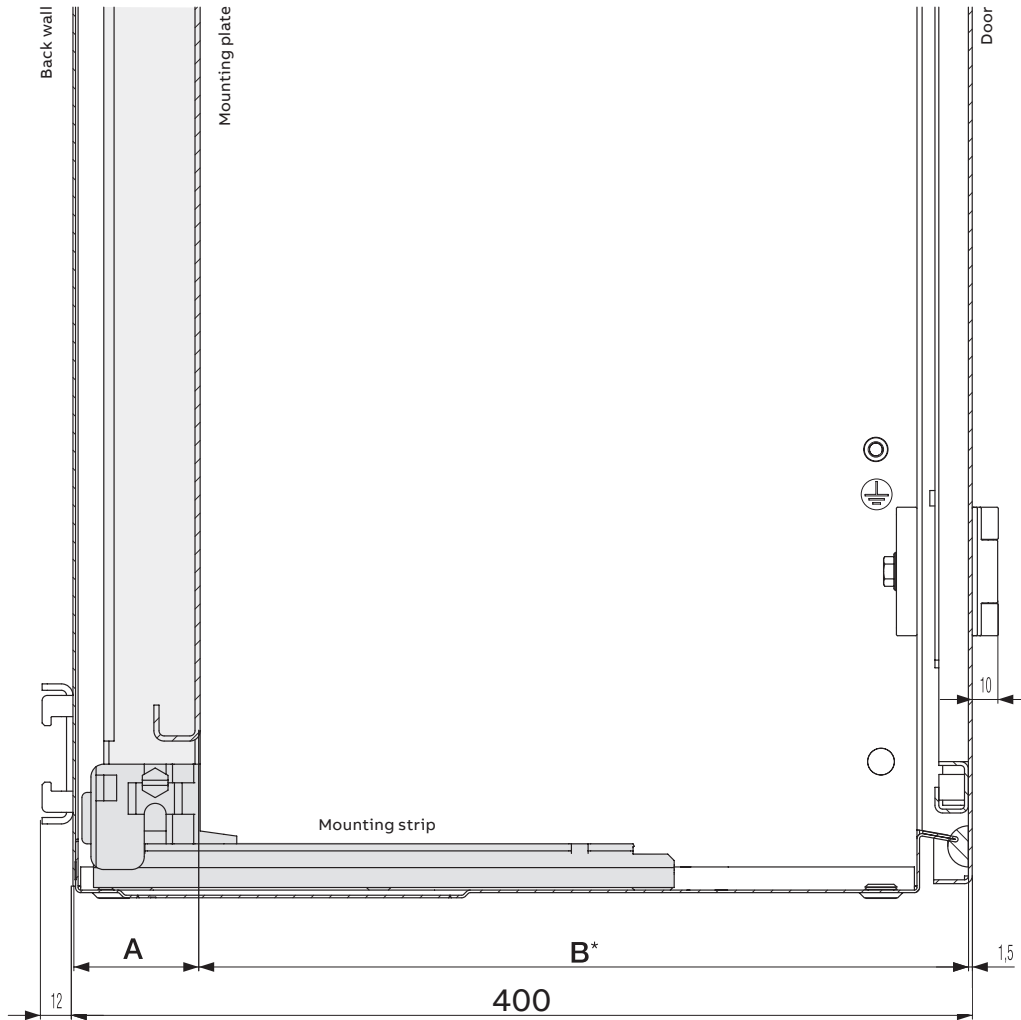
Mounting plate



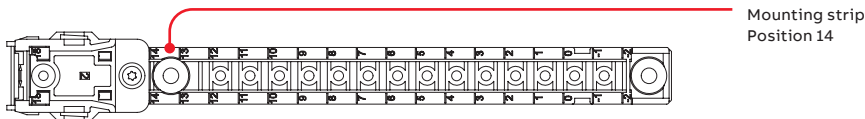
Height		Width		External dimensions		Installation space		Weight
OH	BH	PW	Type	H	W	H1	B	in kg
Mounting plates forTwinLine floor-standing cabinets $\frac{1}{2}$								
12	8	1	TZM112	1800	246	1722	246	10.80
		2	TZM212	1800	496	1722	496	17.80
		3	TZM312	1800	746	1722	746	21.00
		4	TZM412	1800	996	1722	996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

Floor-standing cabinets TwinLine N 55

Dimensions for installation of a mounting plate



Mounting strip
Top view

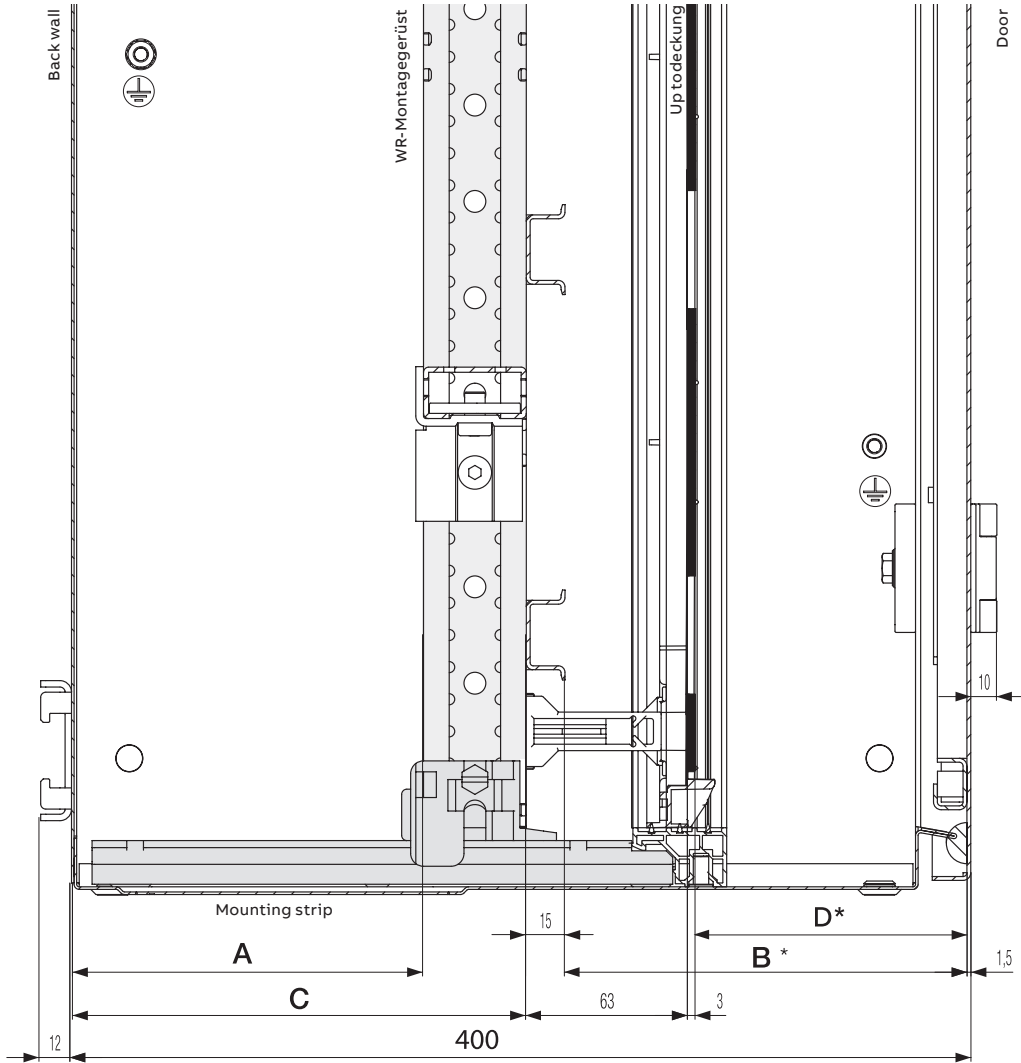


Cabinet series Depth	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	-1	-2	
Dimension A at installation position																		
TwinLine X	400	48.5	61	73.5	86	98.5	111	123.5	136	148.5	161	173.5	186	198.5	211	223.5	236	248.5
Dimension B at installation position*																		
TwinLine X	400	349	336.5	324	311.5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

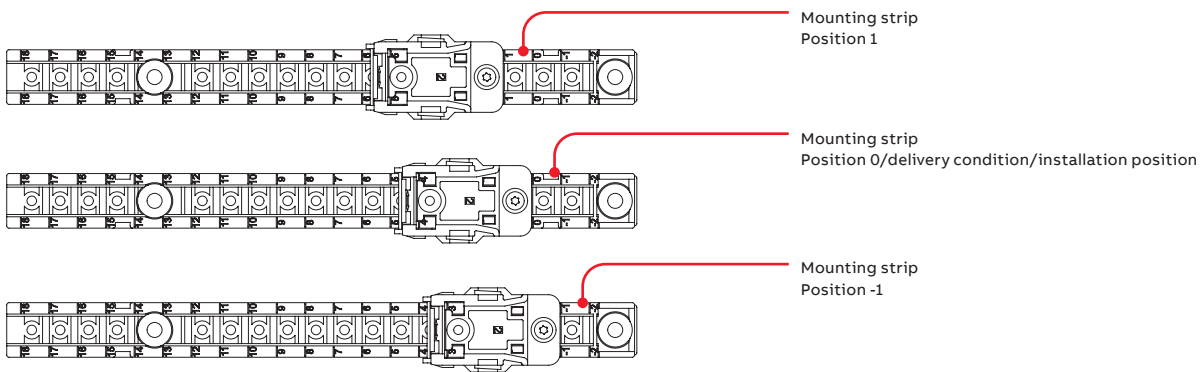
* Related to the area of the installation space (see page 139); outside the installation space, this dimension is reduced by 35 mm due to door installation components

Floor-standing cabinets TwinLine N 55

Dimensions for installation of CombiLine N module on WR mounting frame



Mounting strip
Top view

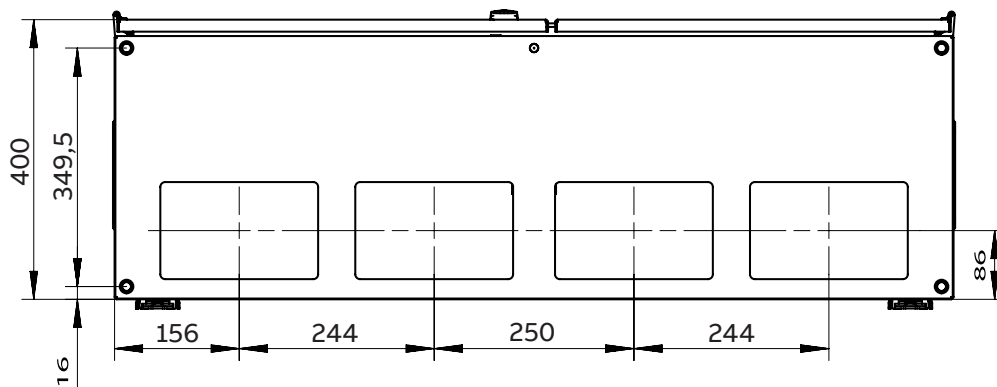
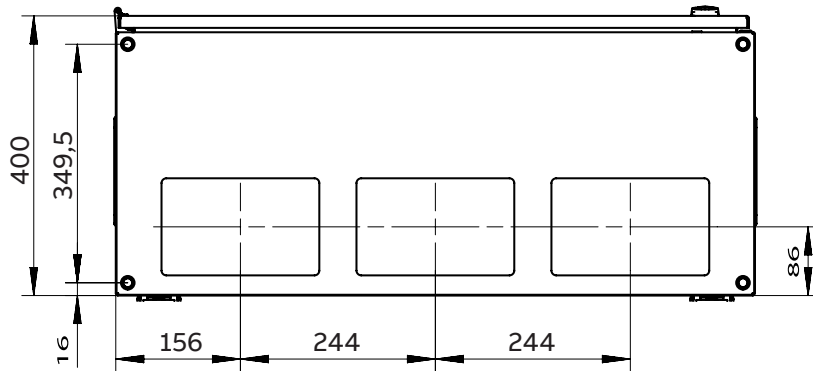
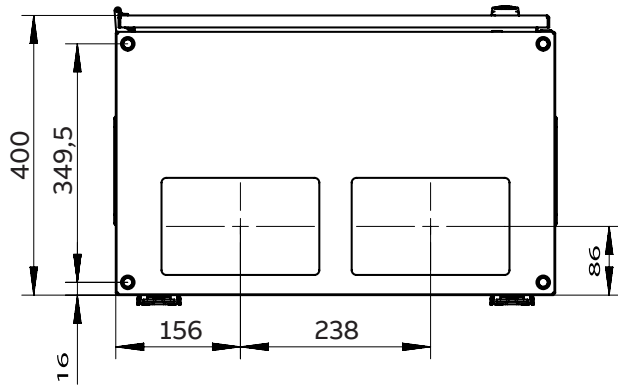


Cabinet series	Depth	Dimension A at installation position*			Dimension B at installation position**			Dimension C at installation position*			Dimension D at installation position**		
		1	0	-1	1	0	-1	1	0	-1	1	0	-1
TwinLine-X	400	173.5	186	198.5	169	156.5	144	213.5	226	238.5	117.5	105	92.5

* 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

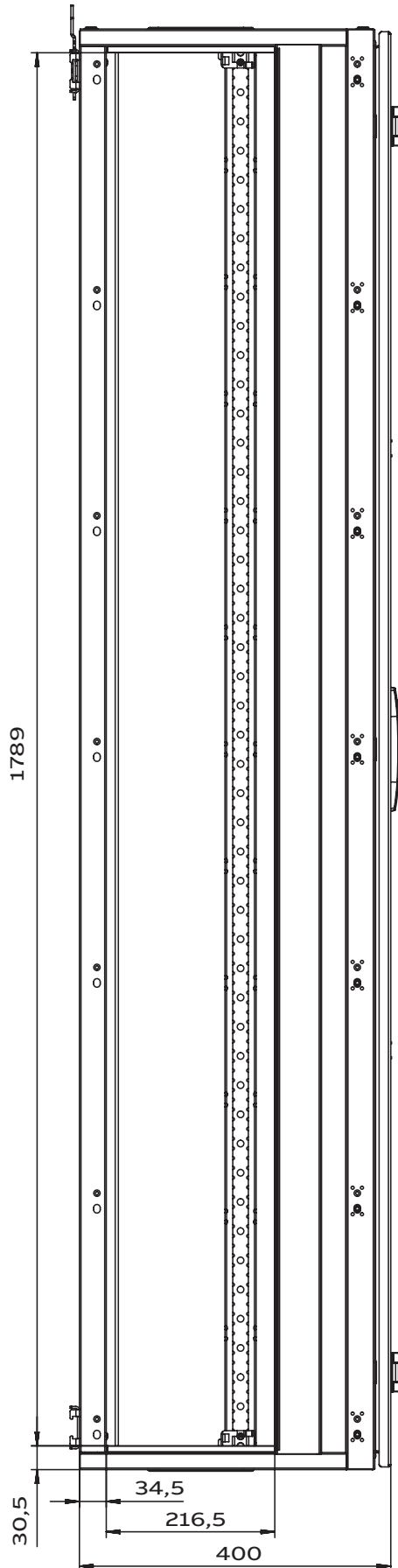
Floor-standing cabinets TwinLine N 55

Dimensions of the top and bottom flange knockout



Floor-standing cabinets TwinLine N 55

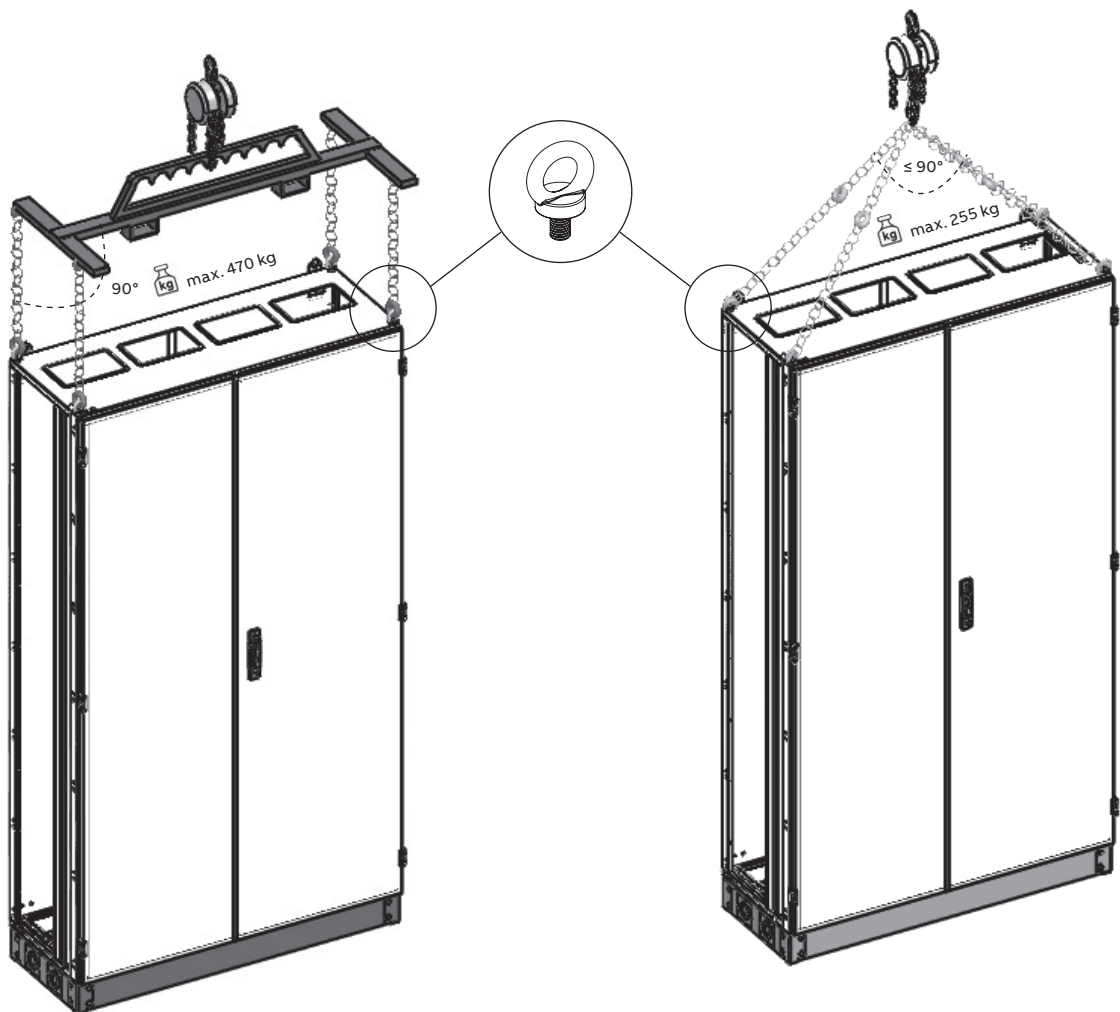
Left sectional view with dimensions



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.

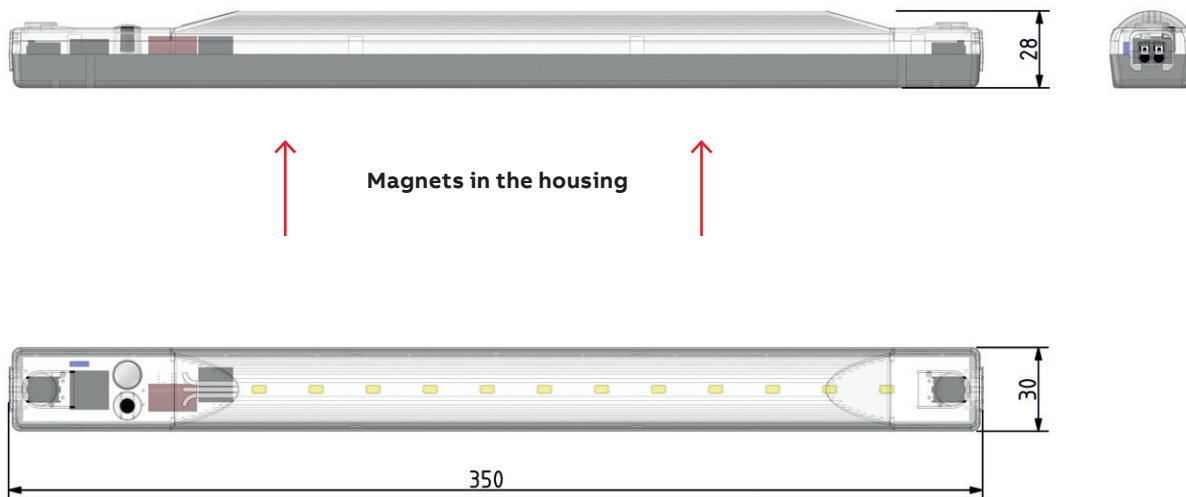


Floor-standing cabinets TwinLine N 55

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

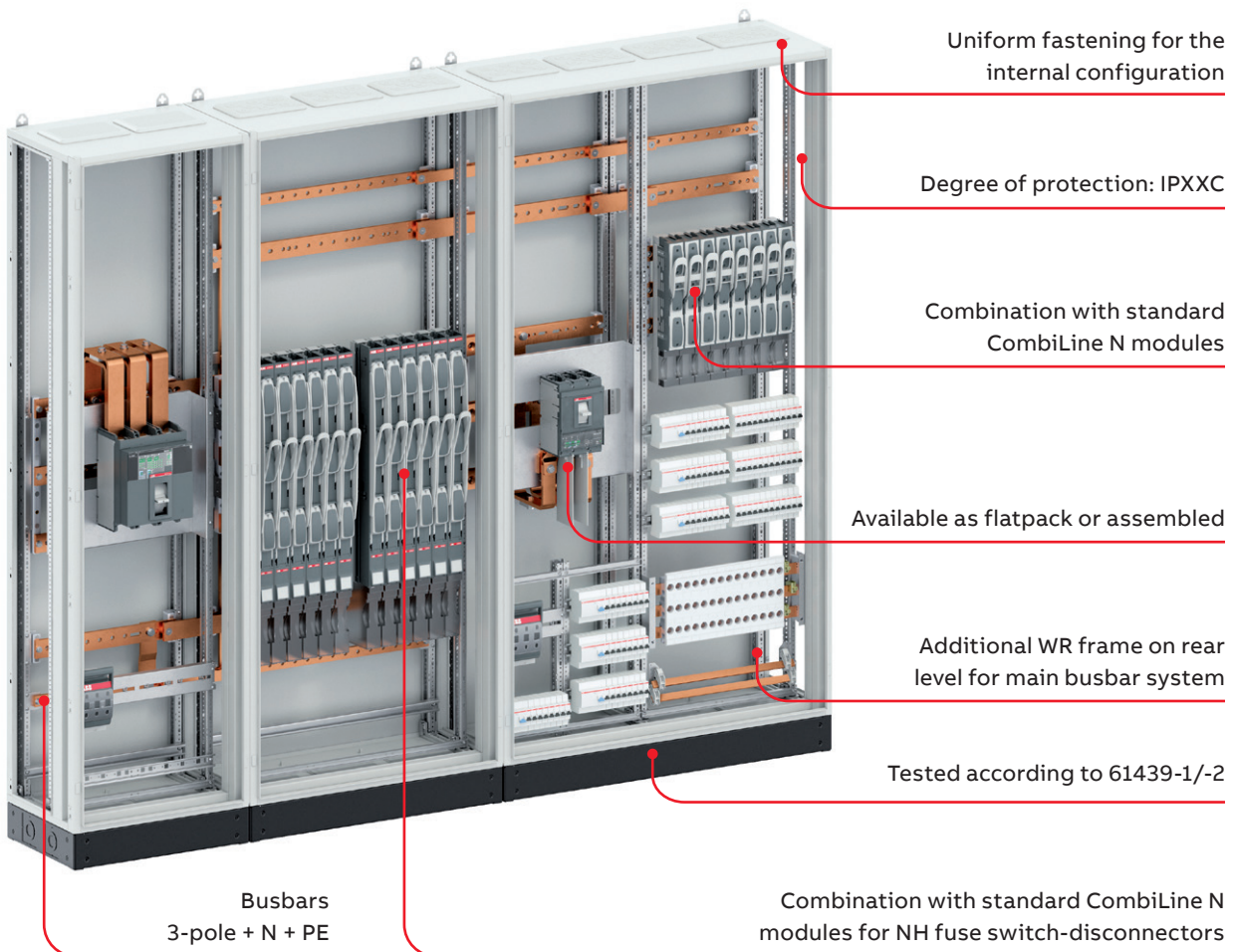
Dimensions



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

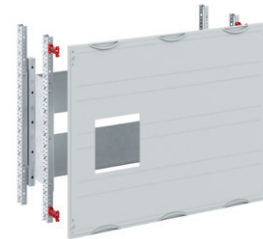
The suitable extension for the TwinLine-X cabinet system



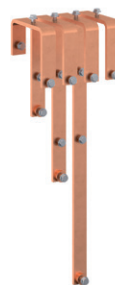
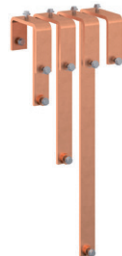
Circuit breaker XT5/XT6/XT7

Switch disconnecter OT

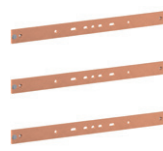
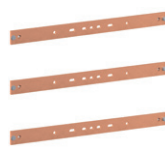
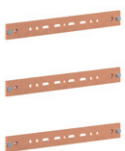
Automatic transfer switch TruOne



Connection busbar cooper



Main busbar system



N/PE busbar



Copper connection in / between cabinets

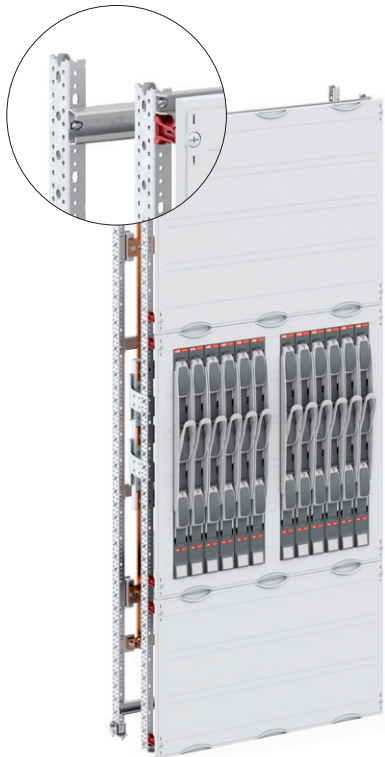


Distribution panel system CombiLine-X

Extension with WR mounting frame



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



Extension with CombiLine-X modules
on double WR mounting frame



Extension with standard CombiLine N
modules on WR mounting frame

Distribution panel system CombiLine-X

Technical specifications

Complete delivery

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

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

Delivery as a kit

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

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

Delivery in individual parts

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

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

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

Height GU	Width mm PW	I _n mm A	Equipment Type	From cabinet depth			Kit not installed		Mounted and installed in the cabinet	
				SU	WR ²	mm	Type	Order code	Type	Order code
4	600 2	500 630	Switch module 630A XT5	96	2 x	400	MBX208LX	2CPX044092R9999	MX208LX	2CPX044101R9999
4	600 2	500 630	Switch module 630A XT5 RC, bottom	96	2 x	400	MBX208LXB	2CPX044093R9999	MX208LXB	2CPX044102R9999
4	600 2	500 1000	Switch module 1000A XT6	96	2 x	400	MBX210LX	2CPX044095R9999	MX210LX	2CPX044104R9999
4	600 2	500 1250	Switch module 1250A 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

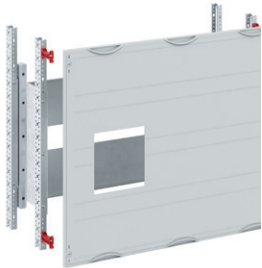
- Incoming / outgoing module
- Unequipped for ABB circuit breaker, fixed assembly with connections on front side
- **OT switch 3-/4-poles**
- With all cross profiles required and busbar holder ZX522
- The mounting frames must be ordered separately.

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

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

Distribution panel system CombiLine-X

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



MX308LU

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

Height	Width	I _n	Equipment	From cabinet depth		Kit not installed		Mounted and installed in the cabinet			
				SU	WR ²	mm	Type	Order code	Type	Order code	
4	600	3	750 800	ATS500-800 Module	144	2 x	400	MBX308LU	2CPX044100R9999	MX308LU	2CPX044109R9999

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

Distribution panel system CombiLine-X

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



MX270N

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

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

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



MX270P

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

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

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



MX280P

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

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

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

Distribution panel system CombiLine-X

Connection busbar system, Tmax circuit breaker



ZX2912

- Connection busbar system made of copper
- Connection of incoming/outgoing circuit-breaker to main busbar system
- ABB breaker **Tmax XT5**, fixed assembly with connections on front side (with ES connection, to be ordered separately)
- Distance between centres of connections 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
- ES terminals to be ordered separately

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



ZX2915

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

Important:

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

Cu busbars		Description	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-pole + N / cable connection on top	1	ZX2914	2CPX044447R9999	ZXM2914	2CPX044463R9999
40 x 10	800	3-pole + N / cable connection on bottom	1	ZX2915	2CPX044448R9999	ZXM2915	2CPX044464R9999

Distribution panel system CombiLine-X

Connection busbar system, Tmax circuit breaker



ZX2918

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

Important:

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

Cu busbars mm	I_n A	Description	Unit	Kit not installed		Mounted and installed in the cabinet		
				Type	Order code	EUR	Type	Order code
50 x 10	1000	3-pole + N / cable connection on top	1	ZX2917	2CPX044449R9999	672.00	ZXM2917	2CPX044465R9999
50 x 10	1000	3-pole + N / cable connection on bottom	1	ZX2918	2CPX044450R9999	743.00	ZXM2918	2CPX044466R9999



ZX2933

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

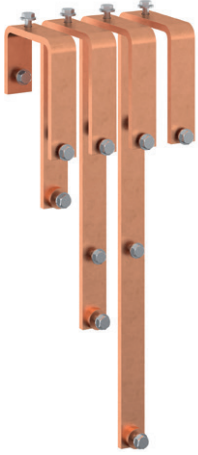
Important:

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

Cu busbars mm	I_n A	Description	Unit	Kit not installed		Mounted and installed in the cabinet		
				Type	Order code	EUR	Type	Order code
2 x 50 x 10	1000	3-pole + N / cable connection on top	1	ZX2932	2CPX044421R9999	806.00	ZXM2932	2CPX044467R9999
2 x 50 x 10	1000	3-pole + N / cable connection on bottom	1	ZX2933	2CPX044452R9999	896.00	ZXM2933	2CPX044468R9999

Distribution panel system CombiLine-X

Connection busbar system, OT/ATS switches



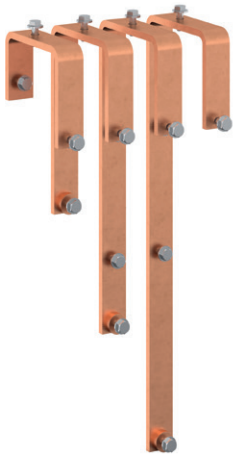
ZX2921

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

Important:

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

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



ZX2924

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

Important:

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

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

Distribution panel system CombiLine-X

Connection busbar system, OT/ATS switches



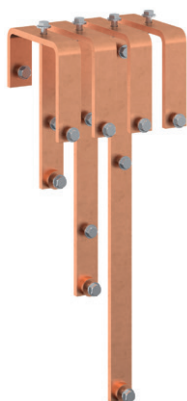
ZX2927

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

Important:

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

Cu busbars mm	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-pole + N / cable connection on top	1	ZX2926	2CPX044457R9999	ZXM2926	2CPX044473R9999
50 x 10	1000	3-pole + N / cable connection on bottom	1	ZX2927	2CPX044458R9999	ZXM2927	2CPX044474R9999



ZX2930

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

Important:

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

Cu busbars mm	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-pole + N / cable connection on top	1	ZX2929	2CPX044459R9999	ZXM2929	2CPX044475R9999
40 x 10	800	3-pole + N / cable connection on bottom	1	ZX2930	2CPX044460R9999	ZXM2930	2CPX044476R9999

Distribution panel system CombiLine-X

Holder set connecting busbar system



ZX2652

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

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

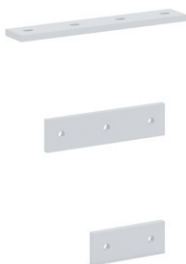


ZX2664

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



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

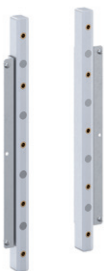
Main busbar system (MBB) and holder set



ZX2692

- 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

PW	I _n A	Cu busbars			Flatpack not assembled		Assembled Fitted in the cabinet	
		mm	Description	Unit	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
 ZX2700	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

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



ZX2742

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

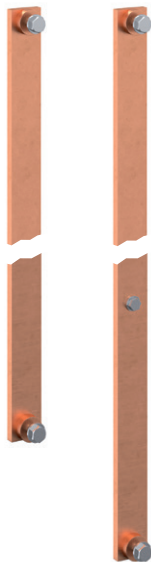
PW	I _n A	Cu busbars		Unit	Kit not installed		Mounted and installed in the cabinet	
		mm	Description		Type	Order code	Type	Order code
1	630	30 x 5	Cu busbar PE (50 %)	1	ZX2737	2CPX042336R9999	ZXM2737	2CPX042444R9999
	850	20 x 10	Cu busbar PE (50 %)	1	ZX2738	2CPX042337R9999	ZXM2738	2CPX042445R9999
	1000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

Article	Description	Unit	Kit not installed		Mounted and installed in the cabinet	
			Type	Order code	Type	Order code
 ZX2760 ZX2761	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
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

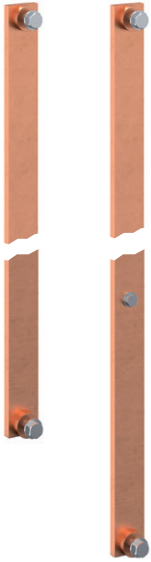
- Central earthing point made of copper
- For the link from bottom to top compartment
- PEN /N bar and the PE bar
- The current carrying capacity is 50 % of the outer conductors of the MBB.
- Earthed version

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
 ZX2860P2	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

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
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

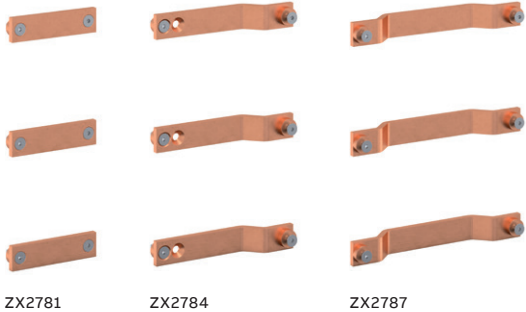
I _n	Cu busbars			Kit not installed		Mounted and installed in the cabinet	
	A	mm	Description	Unit	Type	Order code	Type
630	30 x 10	Cu busbar ZEP	1	ZX2875	2CPX043451R9999	ZXM2875	2CPX043454R9999
800	40 x 10	Cu busbar ZEP	1	ZX2876	2CPX043452R9999	ZXM2876	2CPX043455R9999
1000	50 x 10	Cu busbar ZEP	1	ZX2877	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

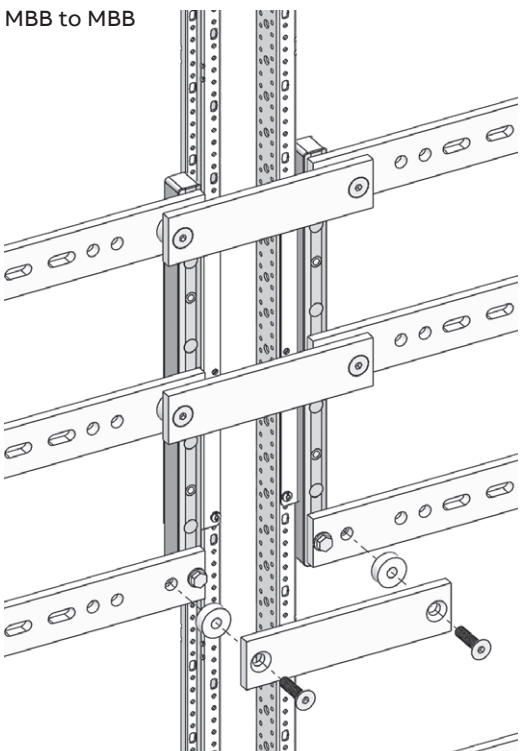


- Module to module connector made of copper
- To connect Cu busbars
- The current carrying capacity of L1, L2, L3, N is 100 % and the current carrying capacity of PE is 50 % of the outer conductors of the MBB.

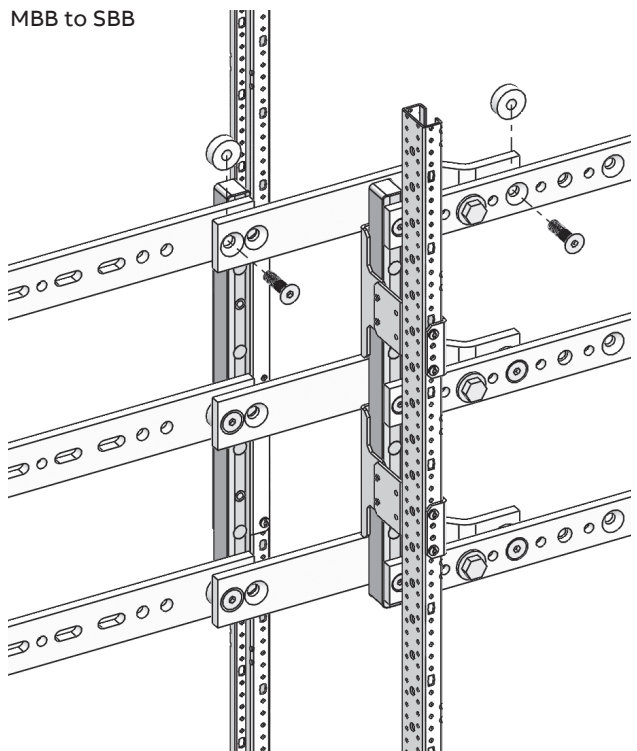
Connection A	I _n	Cu busbars		Kit not installed		Mounted and installed in the cabinet		
		mm	Unit	Type	Order code	Type	Order code	
MBB to MBB	630	30 x 10	FF-Cu connector HH 30 x 10	1	ZX2780	2CPX044281R9999	ZXM2780	2CPX044354R9999
	850	40 x 10	FF-Cu connector HH 40 x 10	1	ZX2781	2CPX044282R9999	ZXM2781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

MBB = main busbar / SBB = sub busbar

MBB to MBB

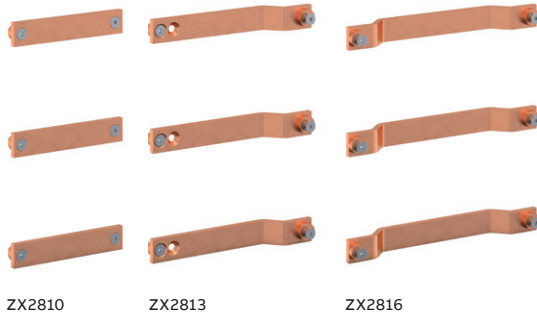


MBB to SBB



Distribution panel system CombiLine-X

Cabinet to cabinet copper connection

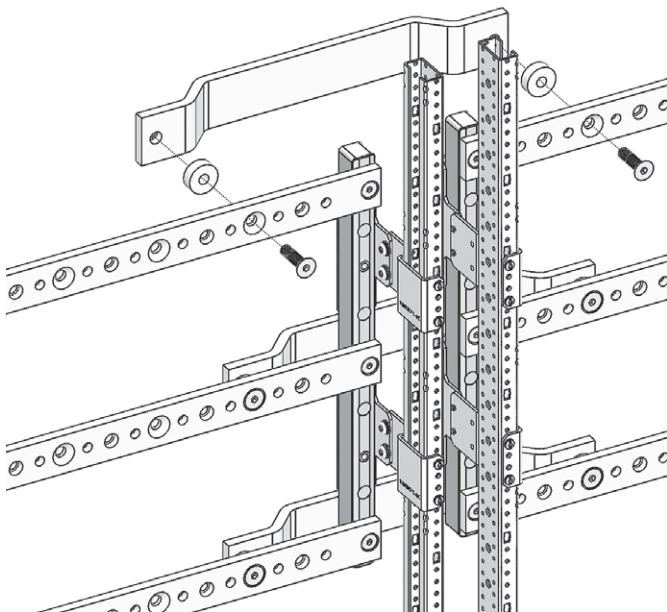


- Cabinet to cabinet connector made of copper
- To connect Cu busbars
- The current carrying capacity of L1, L2, L3, N is 100 % and the current carrying capacity of PE is 50 % of the outer conductors of the MBB.

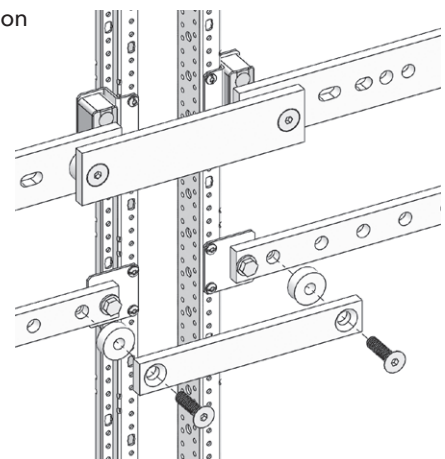
Connection A	I _n	Cu busbars		Kit not installed			Mounted and installed in the cabinet	
		mm		Unit	Type	Order code	Type	Order code
MBB to MBB	630	30 x 10	SS-Cu connector HH 30 x 10	1	ZX2810	2CPX044296R9999	ZXM2810	2CPX044369R9999
	850	40 x 10	SS-Cu connector HH 40 x 10	1	ZX2811	2CPX044297R9999	ZXM2811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

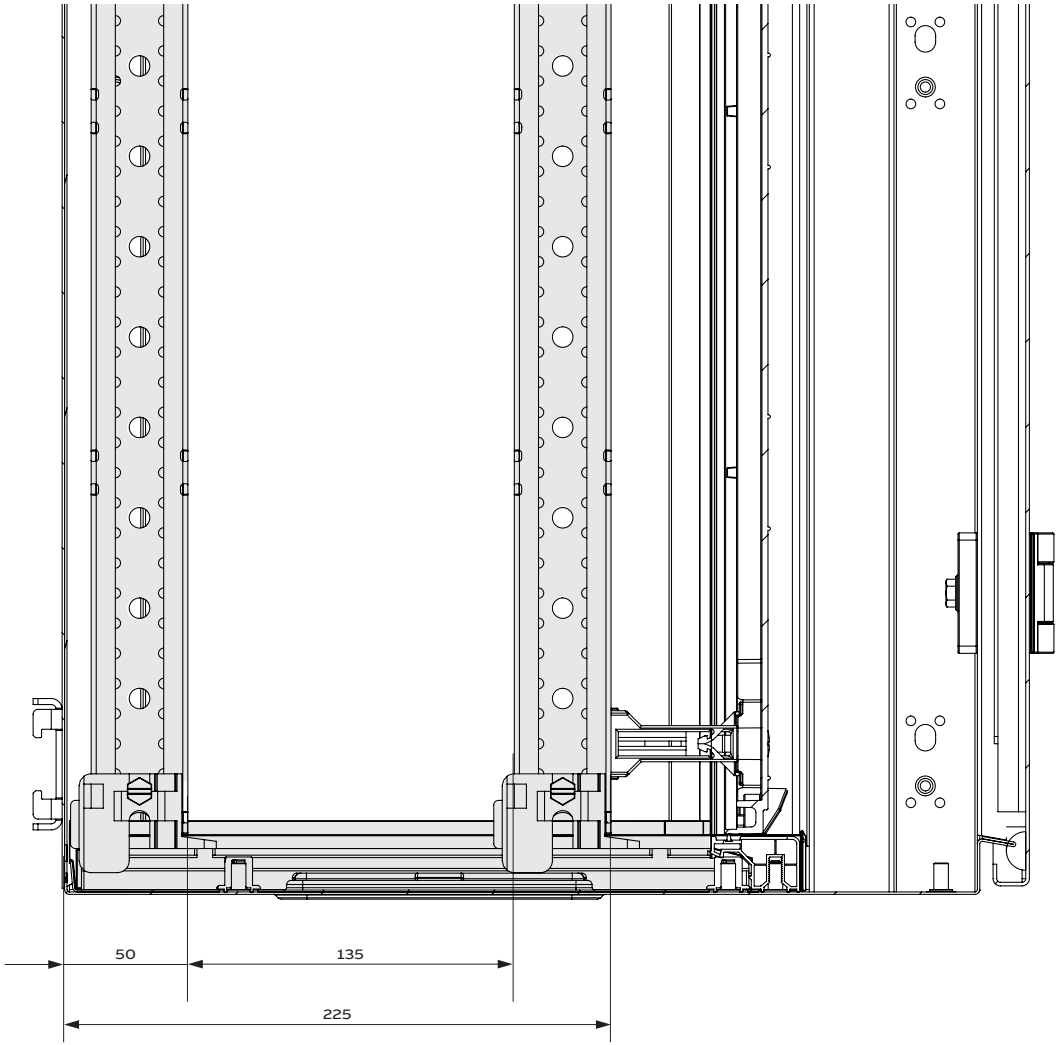


N/PE connection

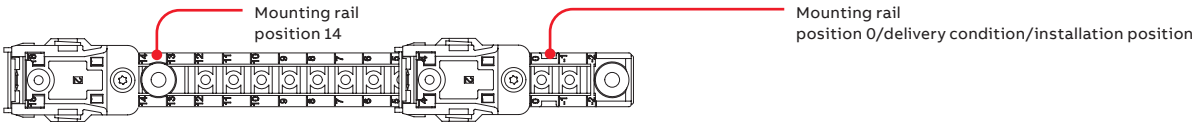


Distribution panel system CombiLine N

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



Mounting rail
Plan view





—
ABB b.v.

Electrification Business Area

George Hintzenweg 81, 3068 AX Rotterdam
Postbus 301, 3000 AH Rotterdam

Algemene informatie





abb.nl/lowvoltage

Support

abb-elsupport.nl



Volg ABB ook via:

-  ABB Electrification NL
-  ABB Electrification
-  ABB Electrification
-  ABB Electrification NL

