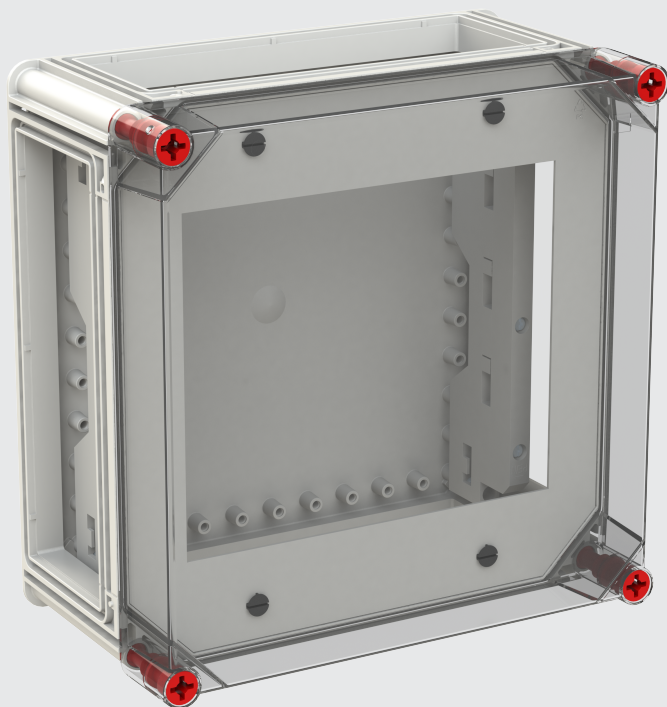


PRODUCT MANUAL

VMS - LV modular system

XLP/D-fuse on Busbars



Contents

- 1 Icons..... 3
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 - 2.1 Material - included..... 4
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 - 2.2.1 Accessories..... 4
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Additional drawings and instructions can be found in the ABB Library:

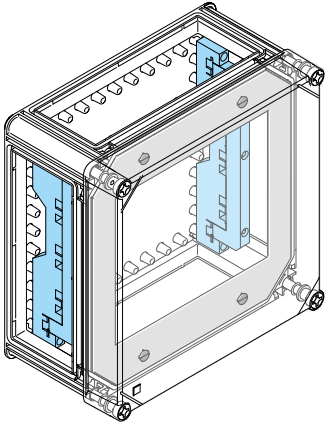


1 Icons

Icon	Description
	Warning / Caution
	Note
	Material - included
	Material - not included
	Tools
	Tightening torque (Nm)

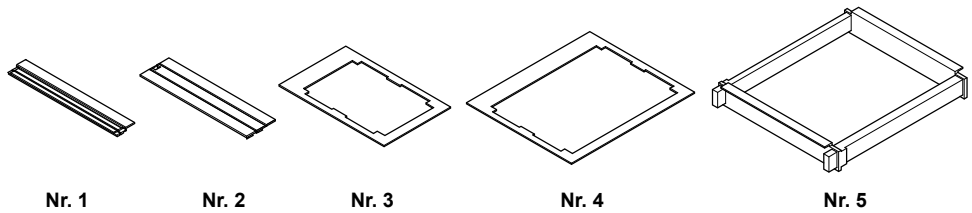
2 Material

2.1 Material - included

Box with busbar support and IP cover plate	SKU-codes	Description
	4TBV853214C0100	VMS 32H w. 60mm BB 250/400A for DIN00
	4TBV853221C0100	VMS 33 w. 60mm BB 250/400A for DIN00 /D
	4TBV853222C0100	VMS 63H w. 60mm BB 250/400A for DIN00 /D
	4TBV853223C0100	VMS 63V w. 60mm BB 250/400A for DIN00/D top
	4TBV853224C0100	VMS 63V w. 60mm BB 250/400A for DIN00/D bot
	4TBV853225C0100	VMS 63V w. 60mm BB 400A for DIN1 3p top
	4TBV853230C0100	VMS 63V w. 60mm BB 400A for DIN1 3p bot
	4TBV853231C0100	VMS 64V w. 60mm BB 400A for DIN1 3p top
	4TBV853238C0100	VMS 64V w. 60mm BB 400A for DIN1 3p bot
	4TBV853634C0100	VMS 43H w. 60mm BB 250/400A for DIN00 /D

2.2 Material - not included

2.2.1 Accessories



Item nr.	Accessory SKU	Accessory Description
1	2CPX062374R9999	Reserve section cover - Z
2	4TBV854313C0100	Reserve section cover - flat
3	2CPX062952R9999	Front frame 1x XLP00
4	2CPX062953R9999	Front frame 2x XLP00
5	4TBV854306C0100	Trim frame VMS

3 Assembly steps

1. Material: overview



1 VMS base

2 Cover

3 Cover screws (4)



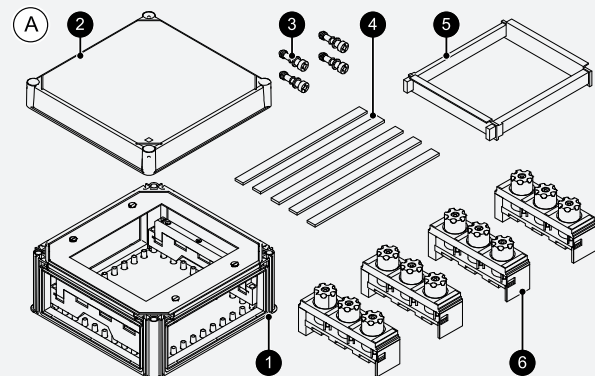
4 Busbars

5 Front frame **or** Trim frame

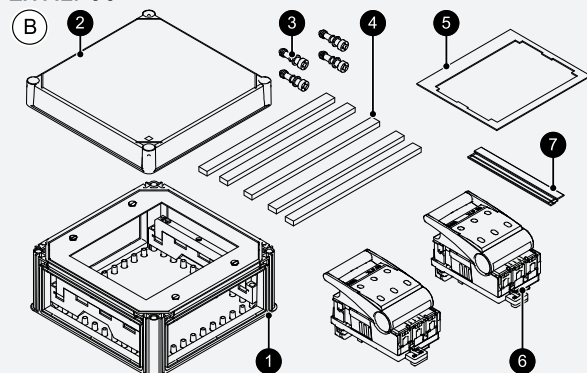
6 Bus-mounted fuse base **or** Fuse switch disconnecter(s)

7 Reserve section cover

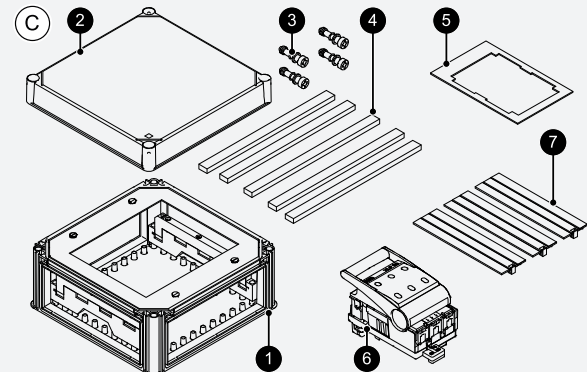
XLPD0-FB



2x XLP00



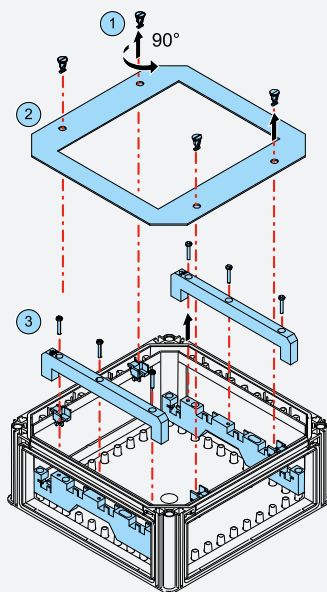
1x XLP00



2. Remove IP cover plate and then the top part of the busbar supports



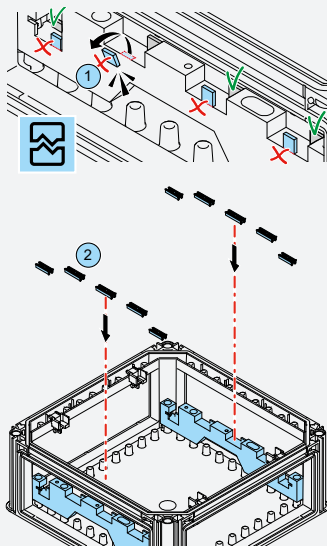
- 1 Cover plate screws (4x)
- 2 IP cover plate
- 3 Busbar supports (2x)



3. Break "walls" and place blocks (where necessary for busbars with thickness of 5 mm)



- 1 Busbar support "walls"
- 2 Busbar blocks



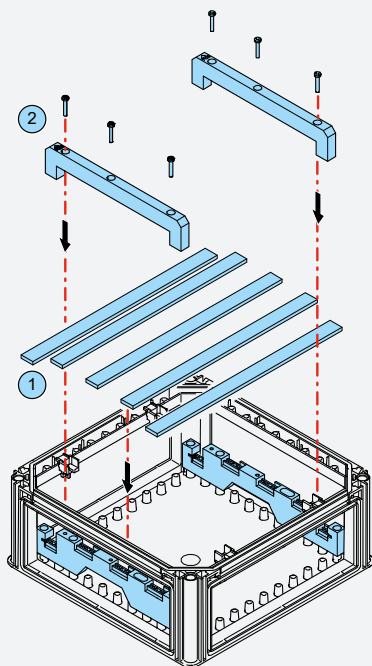
4. Place busbars and remount the busbar supports



1 Busbars



2 Busbar supports



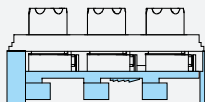
5. Mounting Bus-mounted fuse base on busbars (A) or mounting Fuse Switch Disconnecter on busbars (B)



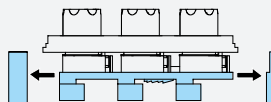
- 1 Bus-mounted fuse base
- 2 Busbars

(A)

If copper width of PE or N = 12 mm, use the following configuration:

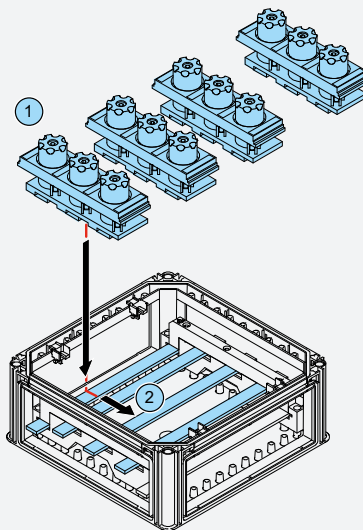


If copper width of PE or N > 12 mm, use the following configuration:



10 10 10

(remove side panels and break small walls to obtain a 10 mm opening.)



See **Installation Instruction of fuse switch disconnectors** on how to open the device, enabling connections of cables:

XLP 00/1-A60/60...



XLP00

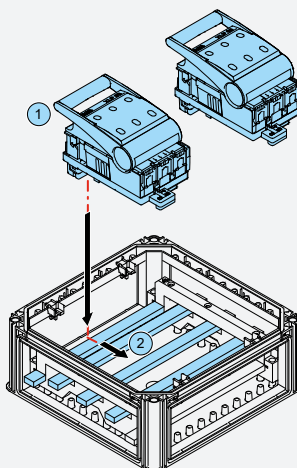


XLP1



- 1 Fuse switch disconnector(s)
- 2 Busbars

(B)



6. Insert Frames and Cover plate



Insert the Trim frame VMS in the IP cover plate and re-install the assembly onto the VMS box. Check first needed width of trim frame VMS and break off where necessary.

(A)

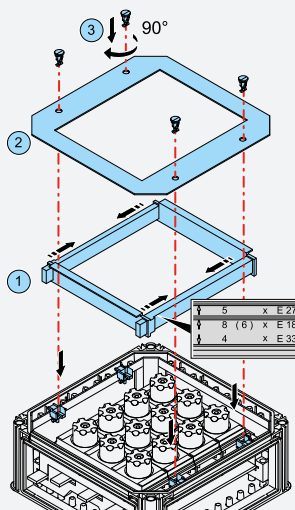


1 Trim Frame



2 IP cover plate

3 Cover plate screws (4x)



(B)



First place front frame Xx XLP00 around device(s), then mount reserve section cover - Z onto the IP cover plate and reinstall this assembly onto the VMS box.



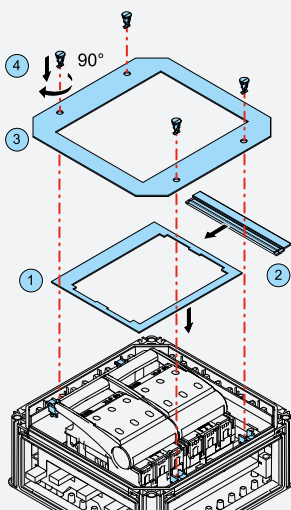
1 Front frame

2 Reserve section cover - Z



3 IP cover plate

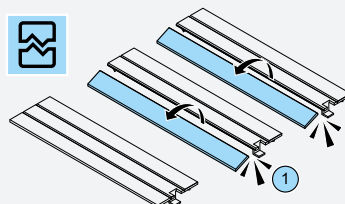
4 Cover plate screws (4x)



- When using **1x XLP00**, use Front frame 1x XLP00 and close opening with adjusted Reserve section covers - flat.

- When using **1x XLP1**, no additional accessories are needed.

(C)

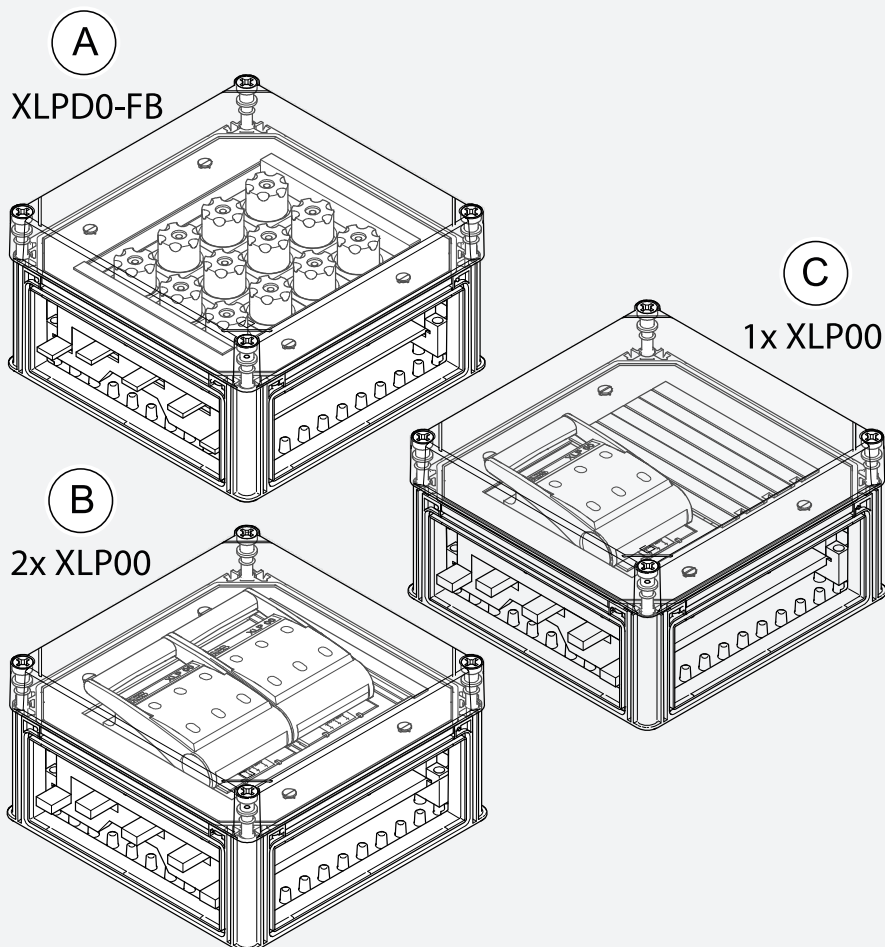


1 Reserve sections covers - flat

7. Fastening VMS box cover

1. Snap cover screws each time in the four corners.
2. Fit cover on box (one turn on screws, max. 2.5Nm).
3. If necessary, stick the double isolation symbol on cover.

8. Installation complete



Notes:

[illegible]



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