



DATA RACK BUSBAR

250A-1250A

THE SMARTEST WAY TO DISTRIBUTE POWER



www.dtmbusbar.com

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GENERAL FEATURES

The data bar is designed to meet the following requirements:
Data Centre AC up to 1000V/1250A.

High Current Density

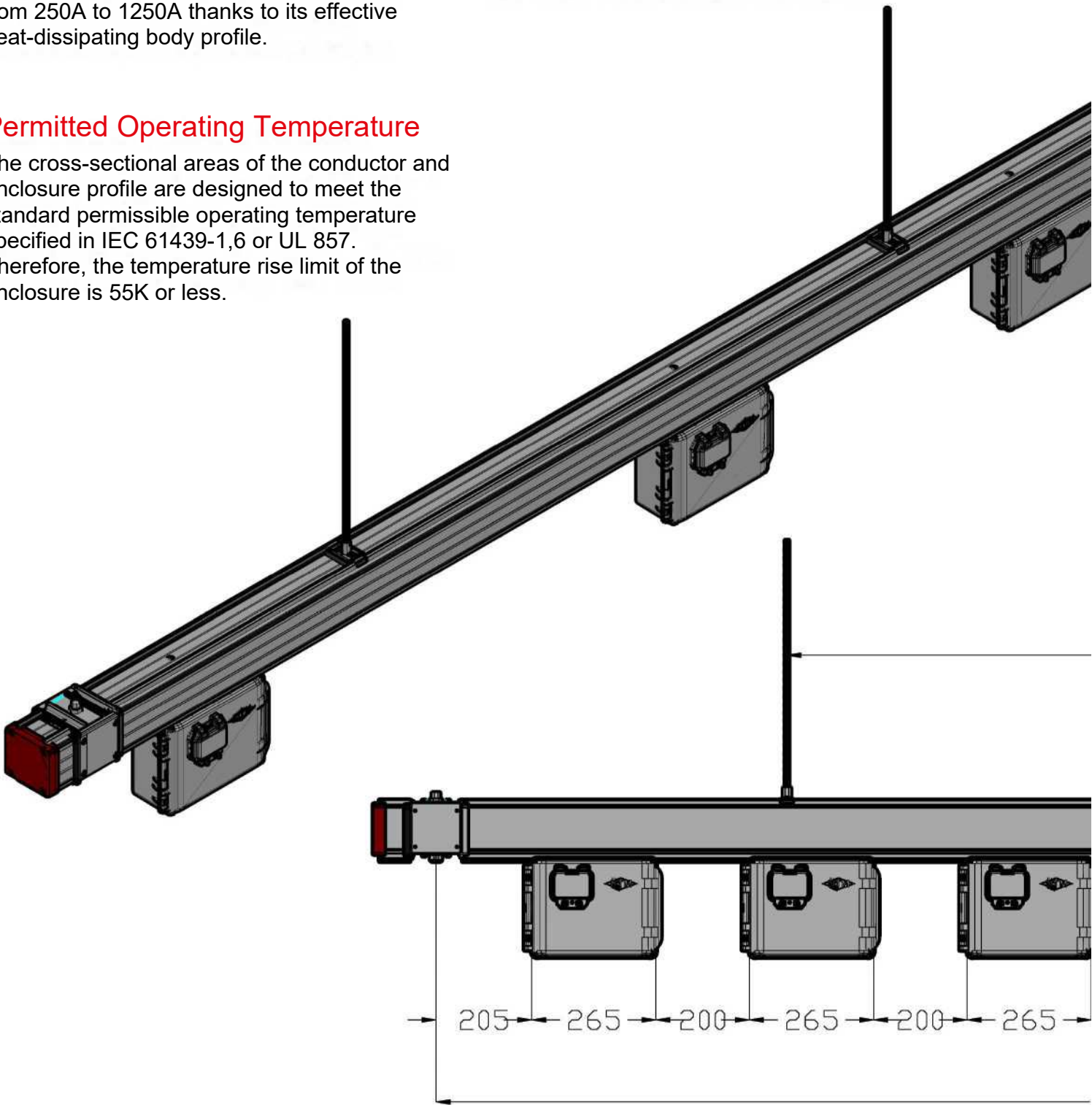
Featuring a compact design compared to existing models, the Busbar has a carrying capacity that reduces electrical power loss from 250A to 1250A thanks to its effective heat-dissipating body profile.

Environmentally Friendly

The data bar only uses components that do not contain hazardous substances such as lead, cadmium, mercury and chromium.

Permitted Operating Temperature

The cross-sectional areas of the conductor and enclosure profile are designed to meet the standard permissible operating temperature specified in IEC 61439-1,6 or UL 857. Therefore, the temperature rise limit of the enclosure is 55K or less.



Simple Installation

Extending and removing the data bar is as simple as inserting and removing plugs.

Efficient Use of Space

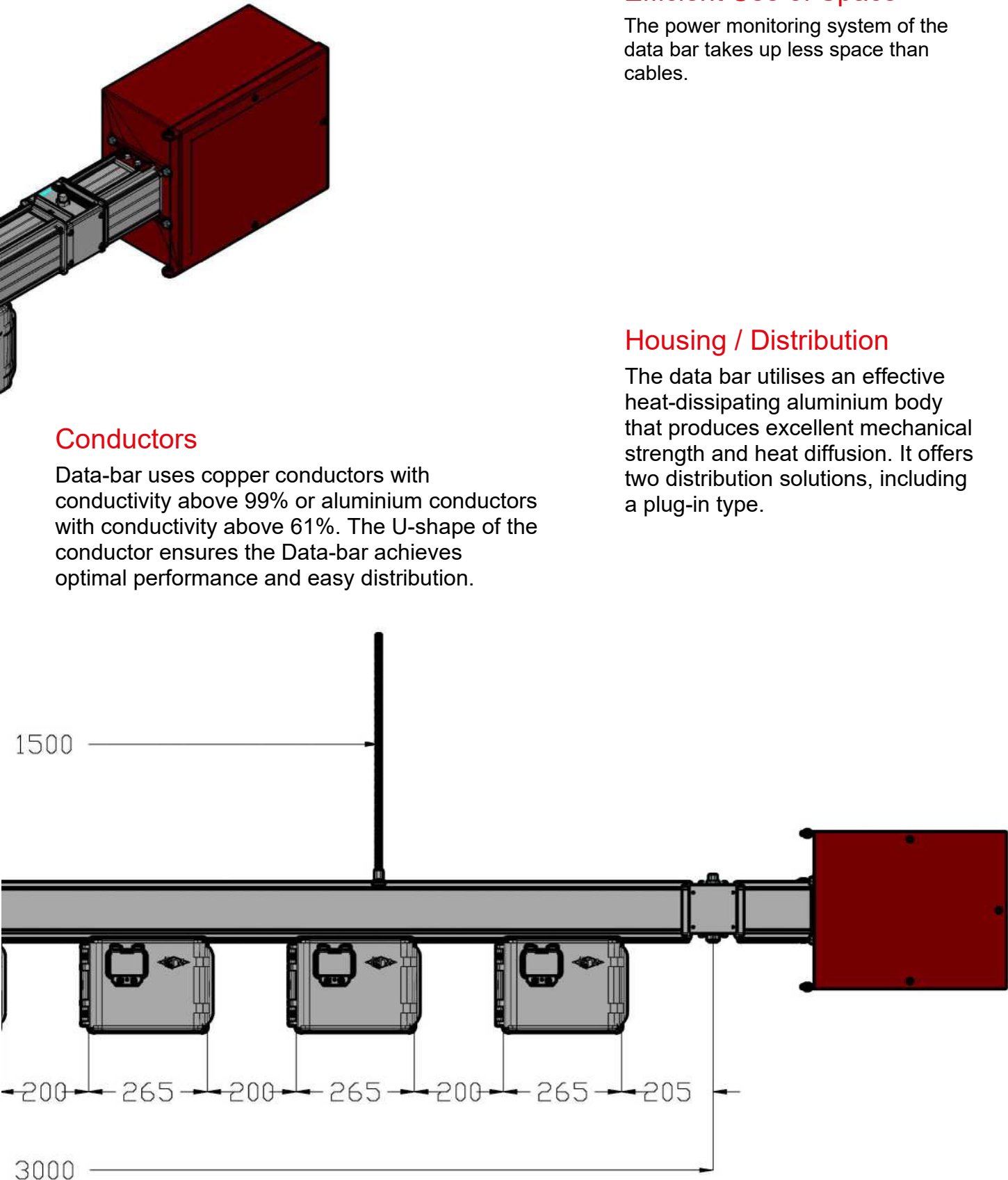
The power monitoring system of the data bar takes up less space than cables.

Housing / Distribution

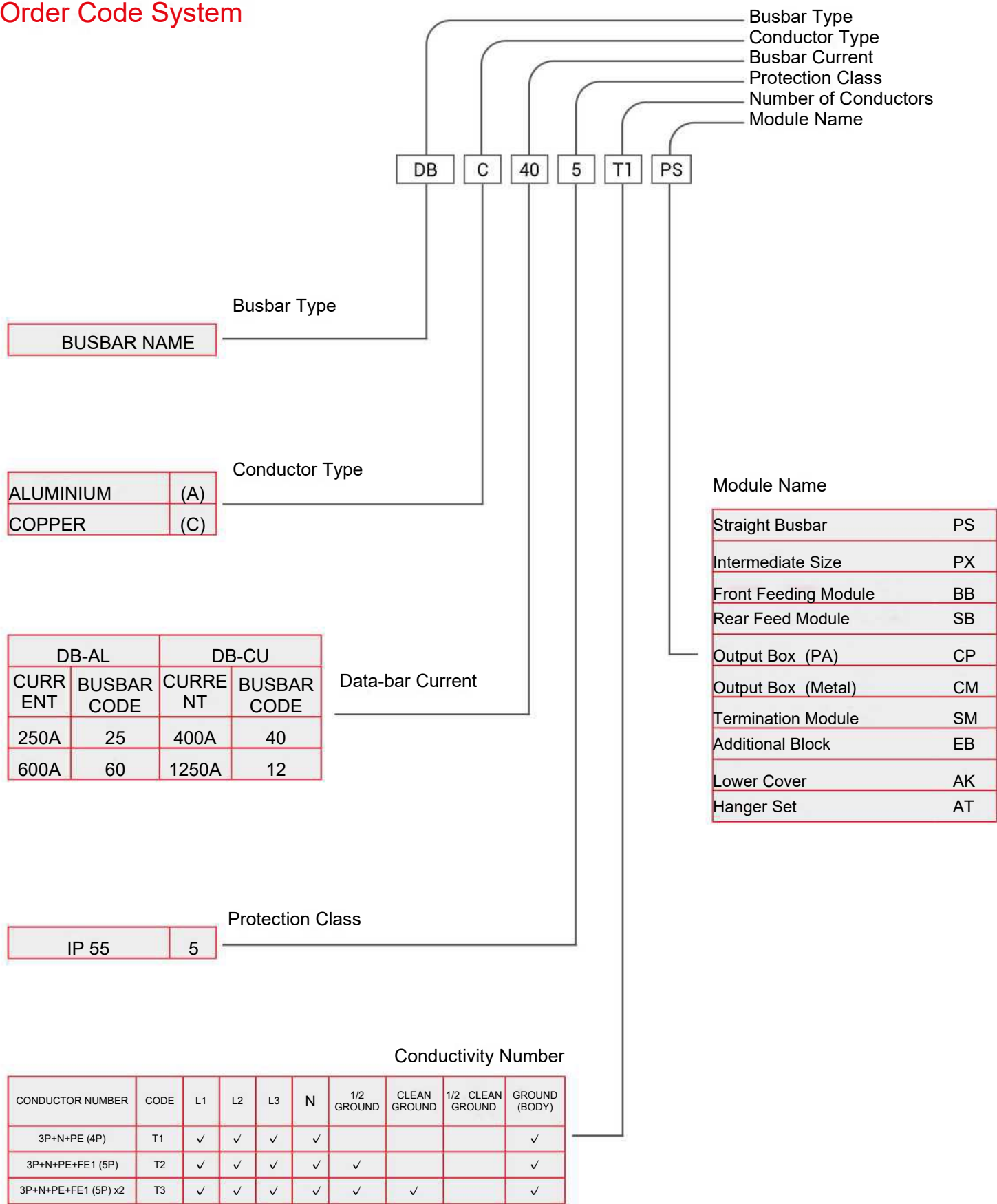
The data bar utilises an effective heat-dissipating aluminium body that produces excellent mechanical strength and heat diffusion. It offers two distribution solutions, including a plug-in type.

Conductors

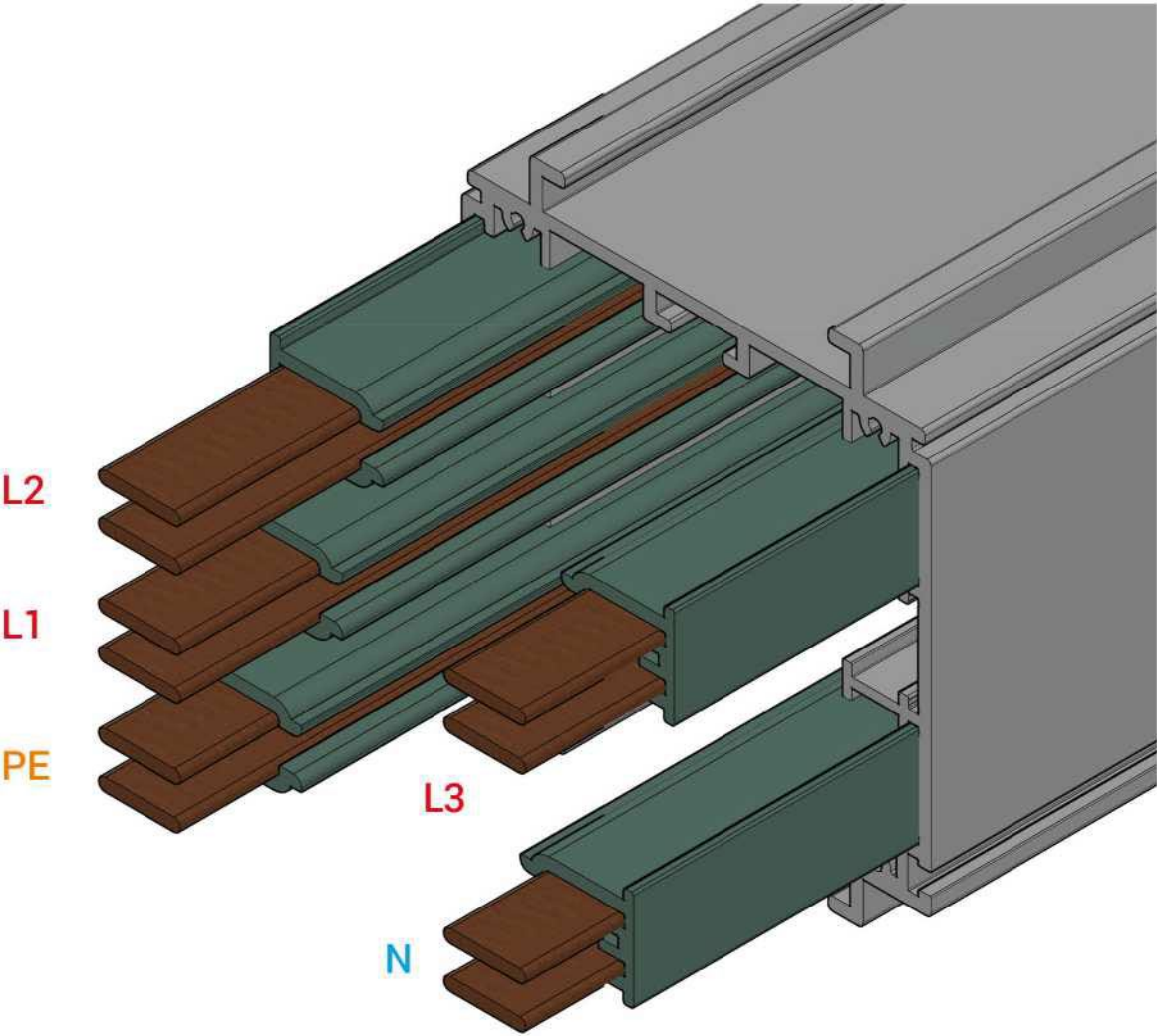
Data-bar uses copper conductors with conductivity above 99% or aluminium conductors with conductivity above 61%. The U-shape of the conductor ensures the Data-bar achieves optimal performance and easy distribution.



Order Code System

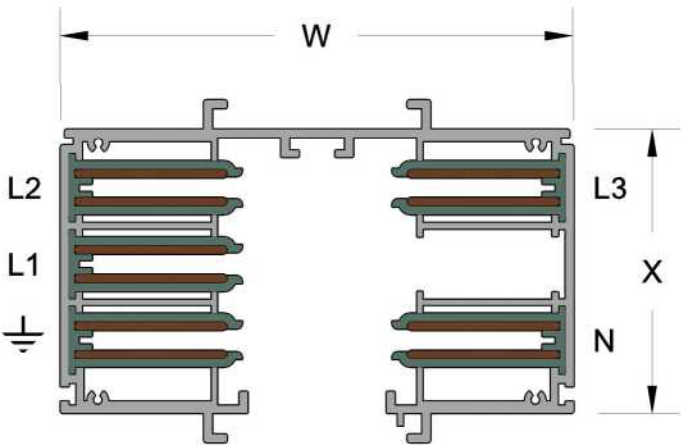
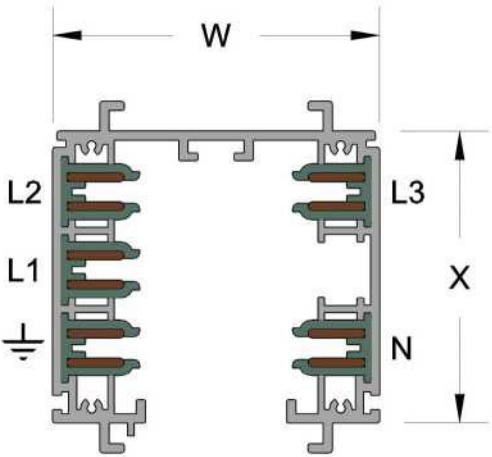


Hardware



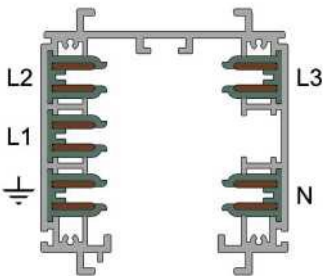
CU				
AMR	W	X	CONDUCTOR	
400A	115	103	2,5	20
1250A	185	103	2,5	55

AL				
AMR	W	X	CONDUCTOR	
250A	115	103	2,5	20
600A	185	103	2,5	55

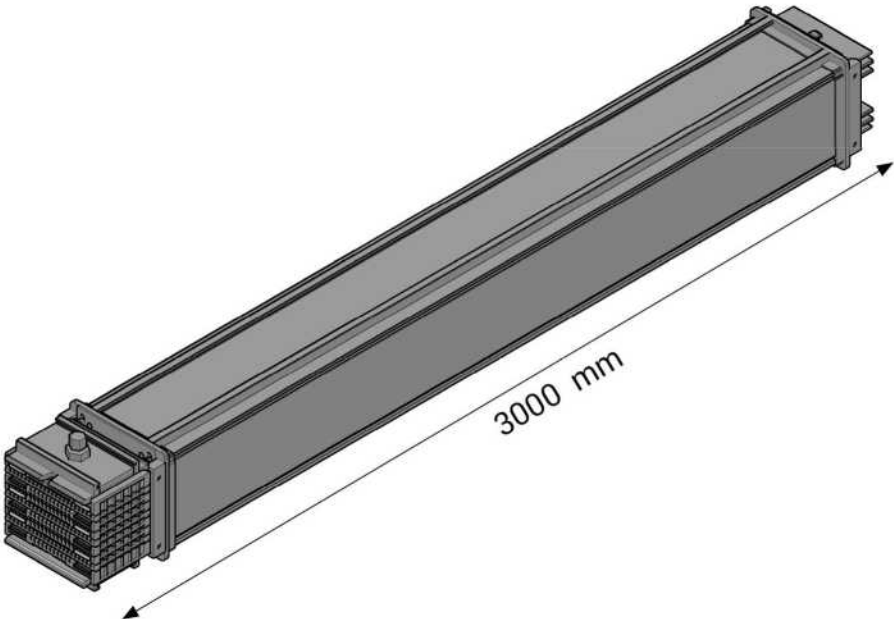


Standard Size PS
PX

SAMPLE ORDER
DBC405T1PS

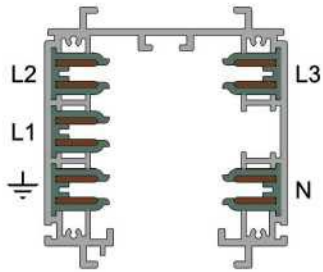


PRODUC CODE	W	X
25	250A	AL
60	600A	AL
40	400A	CU
12	1250A	CU

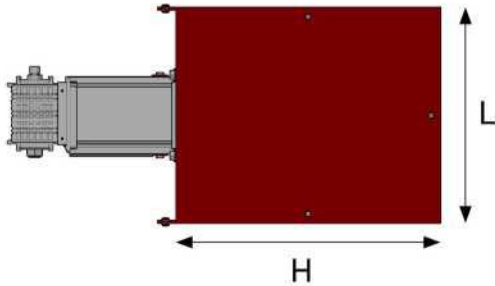
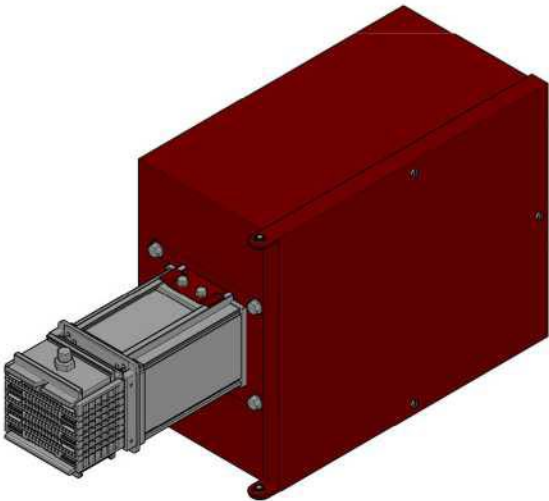


Front Feeding BB

SAMPLE ORDER
DBC405T1BB



AMR	L mm	X mm	H mm
400A	303	225	350
1250A	303	295	350

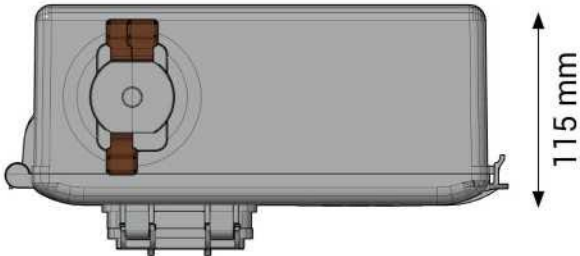
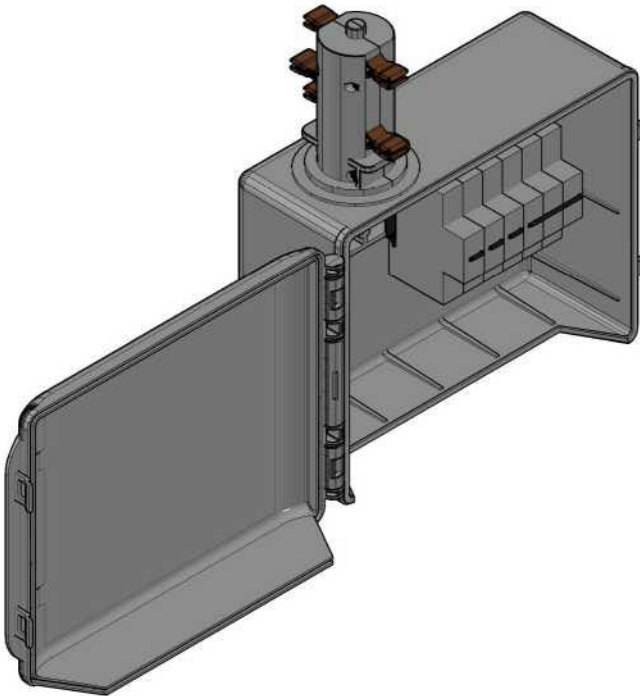
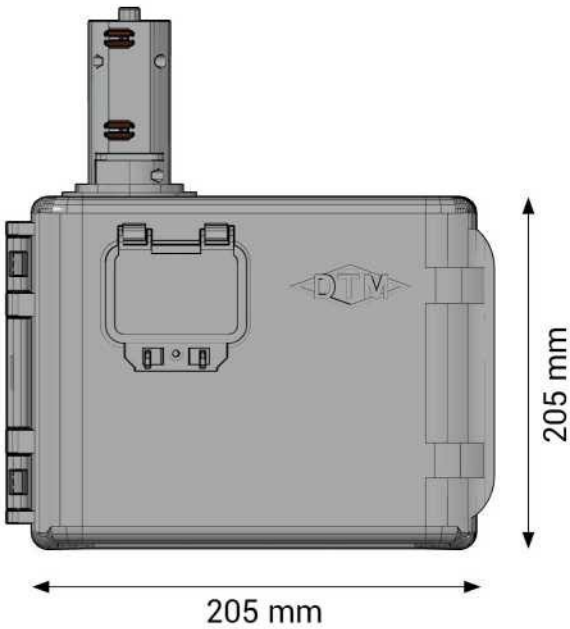
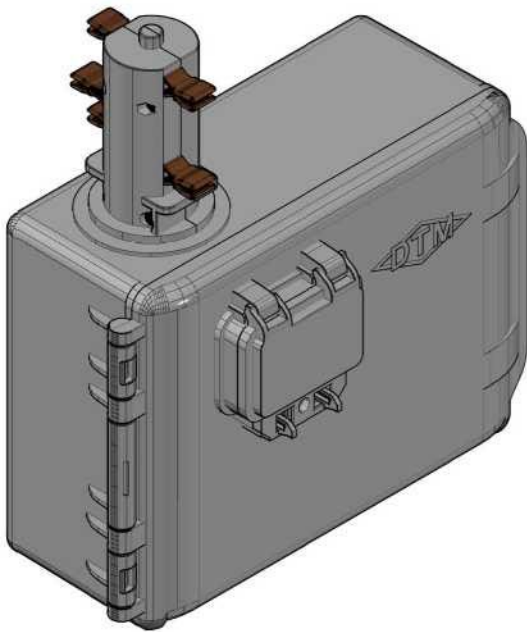


Output Box
PA Plastic

CP

SAMPLE ORDER
DBC405T1CP

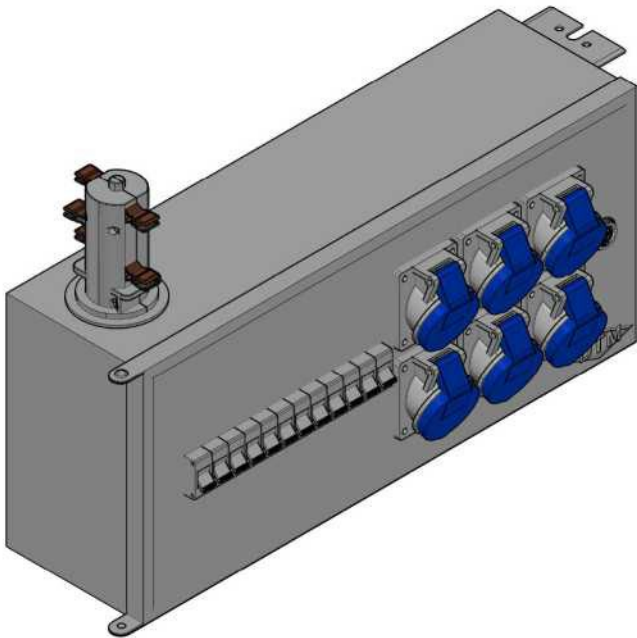
PRO. CODE	AMR	CONDUCTOR
25	250A	AL
60	600A	AL
40	400A	CU
12	1250A	CU



Output Box
Metal

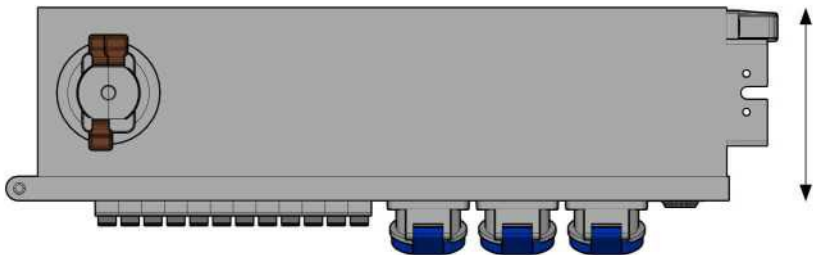
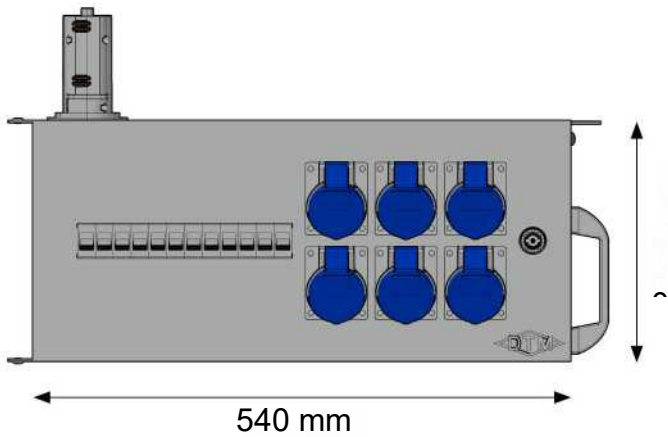
CM

SAMPLE ORDER
DBC636T1CM



63A There are a maximum of six sockets available.

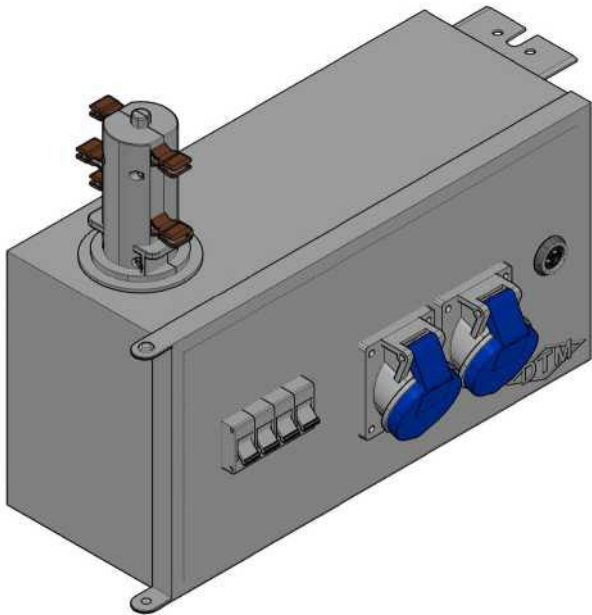
PRO. CODE	AMR	SOCKET	SIZE WxHxD
16	16A	6	540x240x150
32	32A	6	540x240x150
63	63A	6	540x240x150



Output Box
Metal

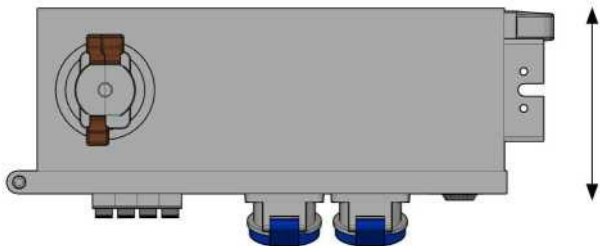
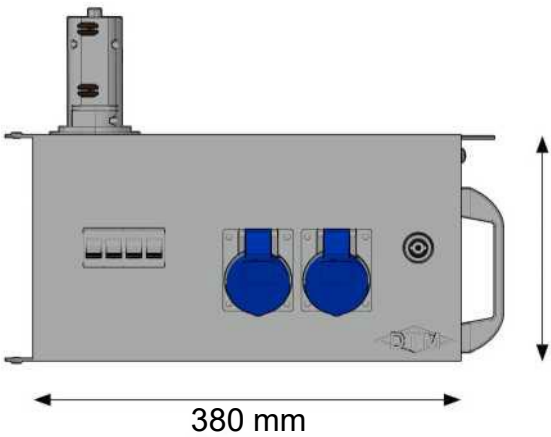
CM

SAMPLE ORDER
DBC322T1CM



63A There are a maximum of two sockets available.

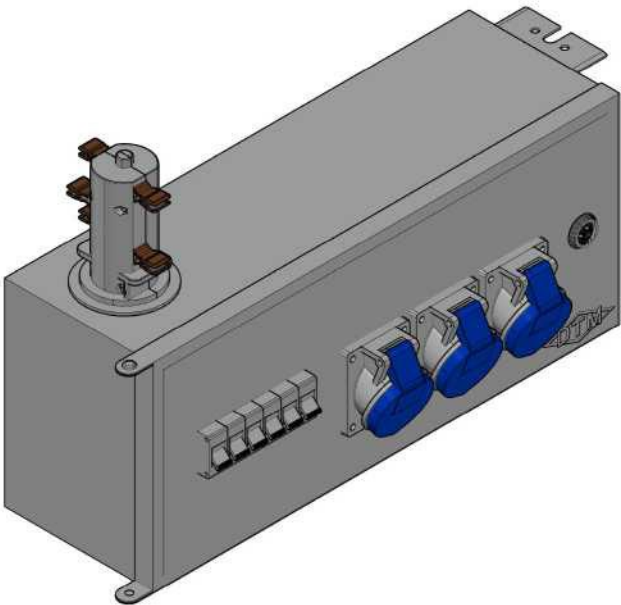
PRO. CODE	AMR	SOCKET	SIZE WxHxD
16	16A	2	380x200x150
32	32A	2	380x200x150
63	63A	2	380x200x150



Metal Outlet
Box

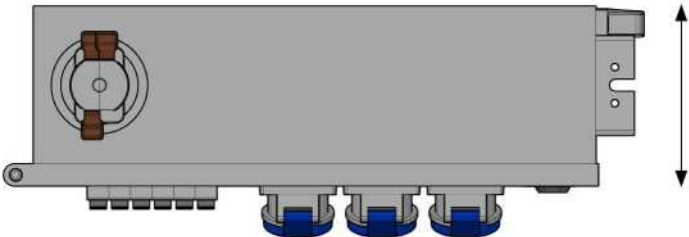
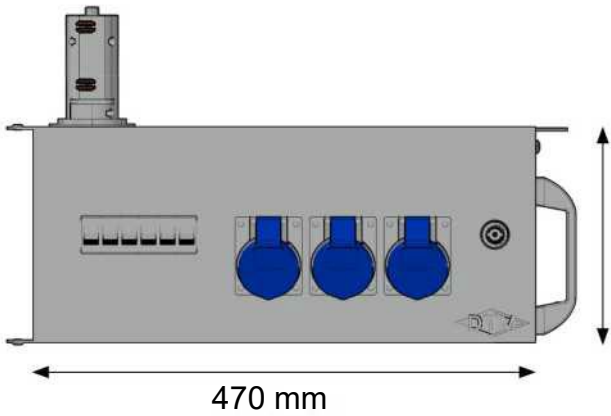
CM

SAMPLE ORDER
DBC633T1CM



63A There are a maximum of three sockets available.

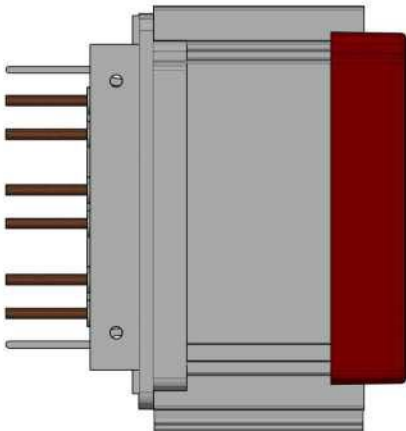
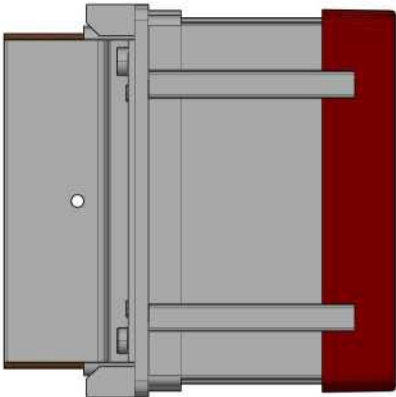
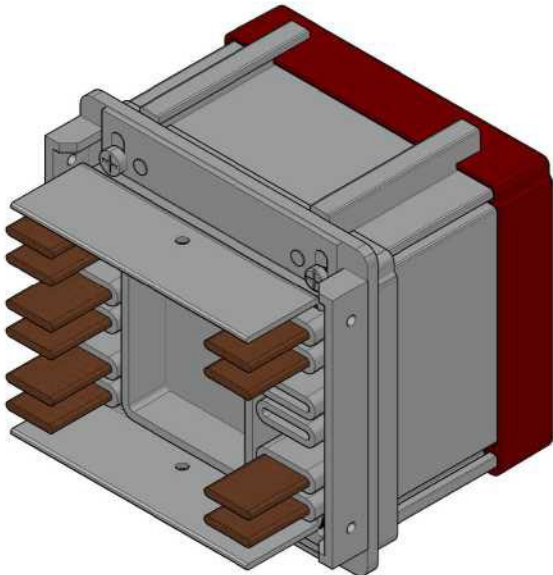
PRO. CODE	AMR	SOCKET	SIZE WxHxD
16	16A	3	470x200x150
32	32A	3	470x200x150
63	63A	3	470x200x150



Termination
Module SM

SAMPLE ORDER
DBC405T1SM

Used to terminate a line.

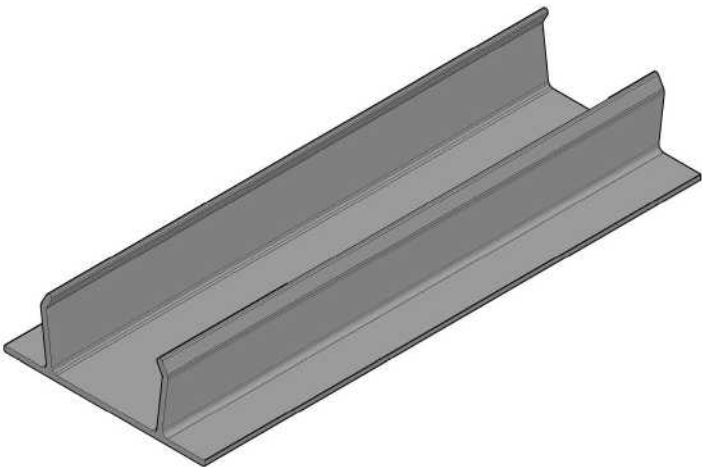


Closing

AK

SAMPLE ORDER
DBC405T1AK

It is used to close sections for which a data-bar exit has not been obtained.

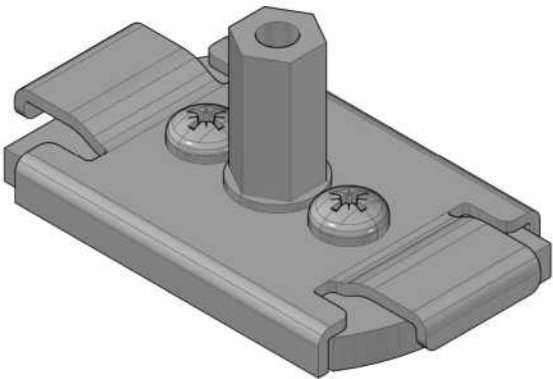


Hanger Set

AT

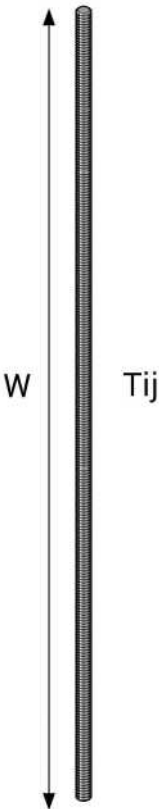
SAMPLE ORDER
DBC405T1AT

The data bar is used to hang at 1500 mm intervals horizontally.



Connecting Elements

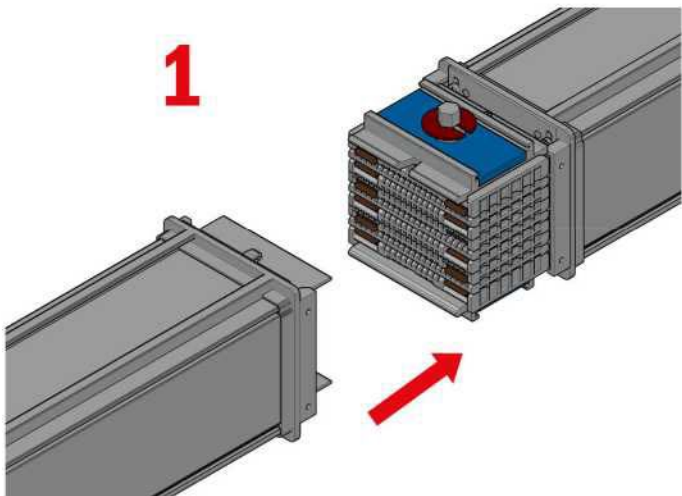
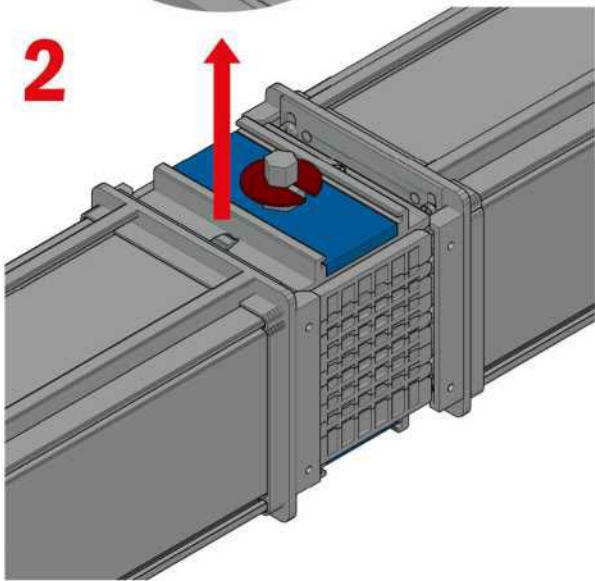
M8 Threaded rod hanger
W=500-l 000 mm



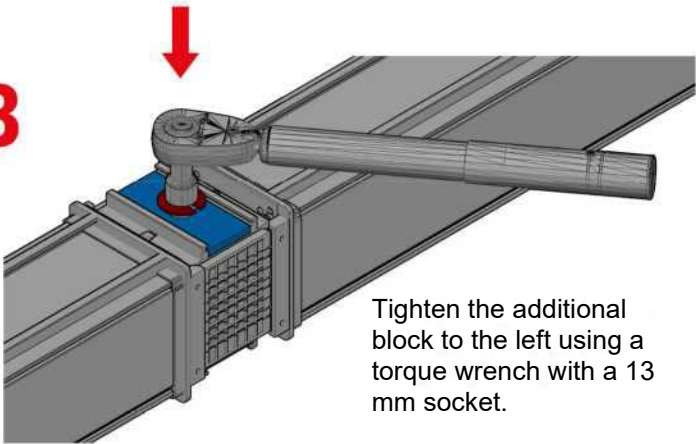
Additional connection



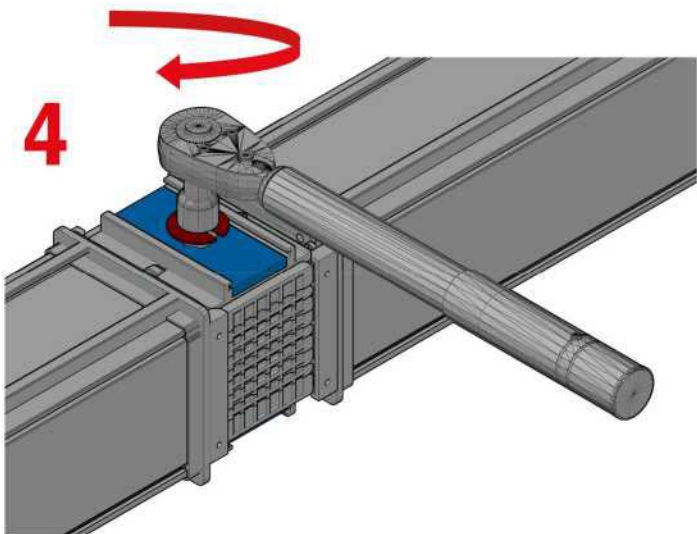
Ensure that the centering pin is properly seated in its slot.



Push it forward so that the additional block grounding aligns correctly with the data-bar connection point.



Tighten the additional block to the left using a torque wrench with a 13 mm socket.

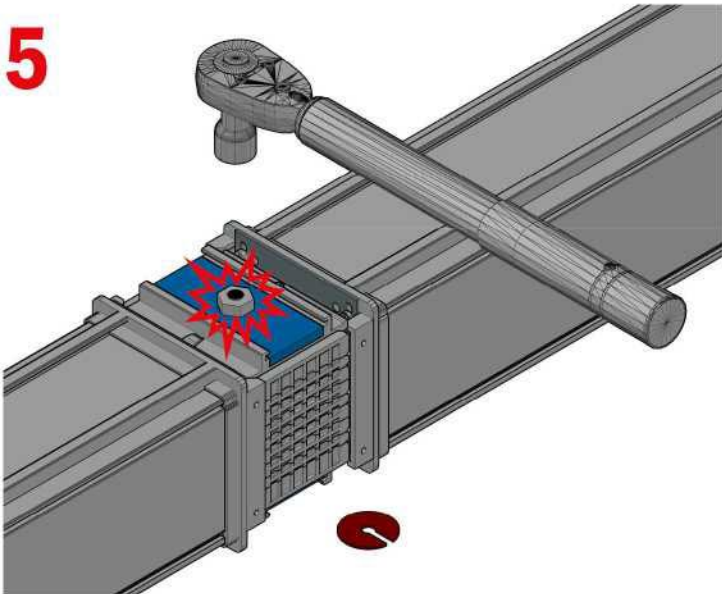


Tighten the additional block to a torque value of 22 lb-ft (30 Nm).

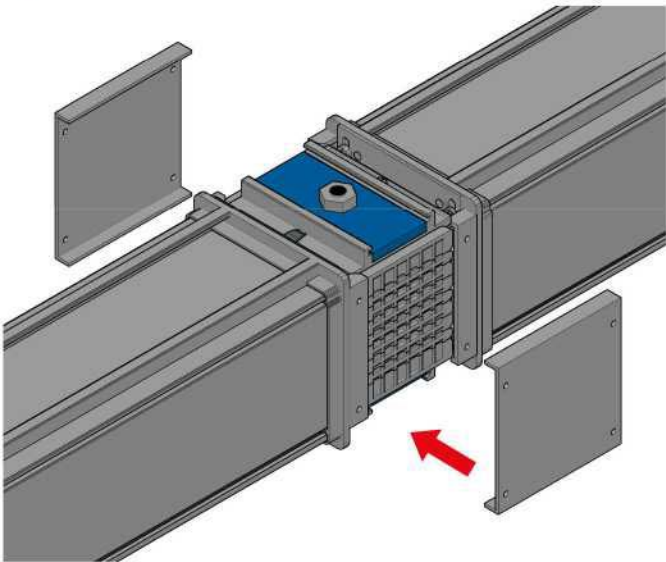
Additional connection

When the specified torque value is reached, the screw head tightened with a torque wrench will shear off.

5

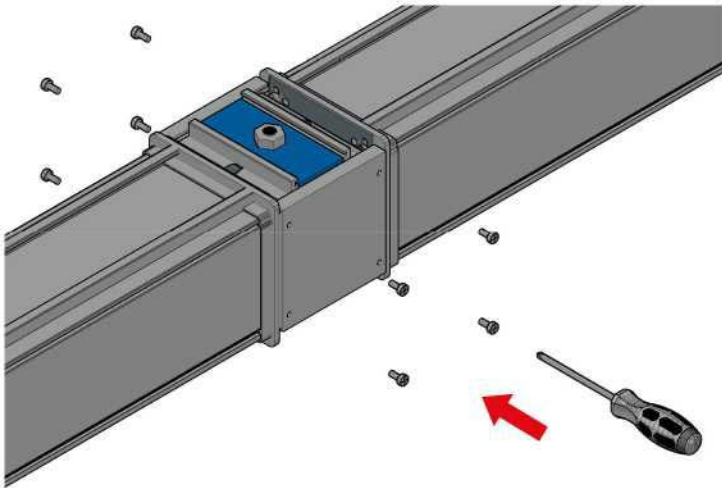


6



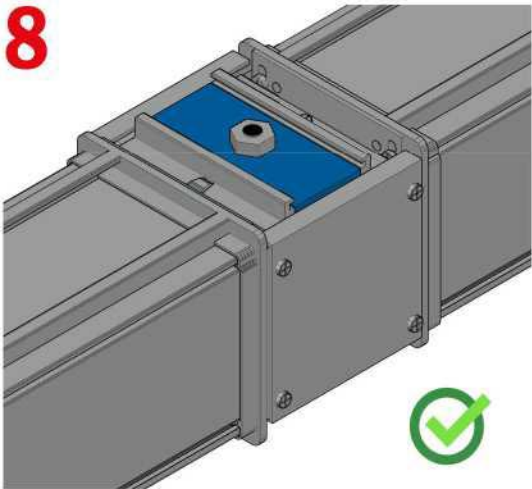
Install the additional covers that will enclose both sides of the additional block.

7

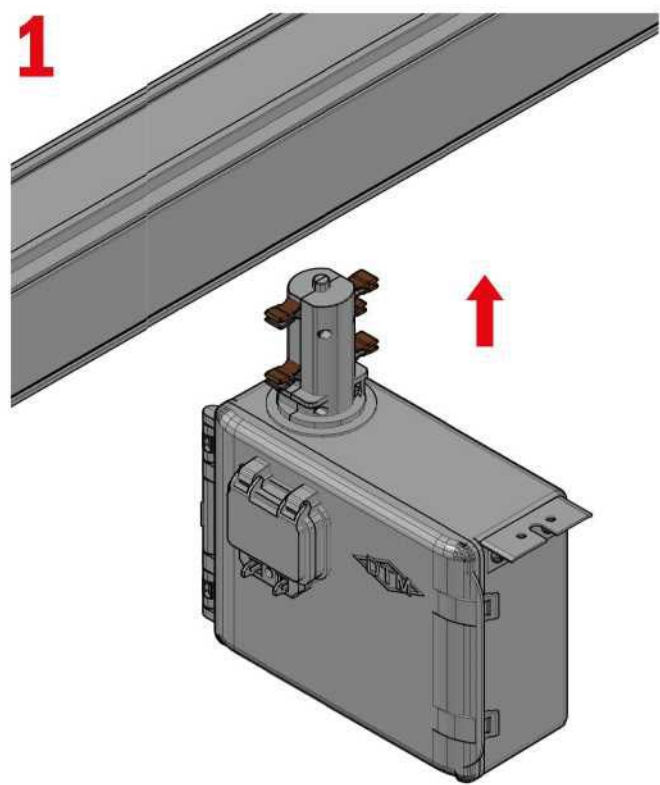


Tighten the additional covers using screws with a screwdriver.

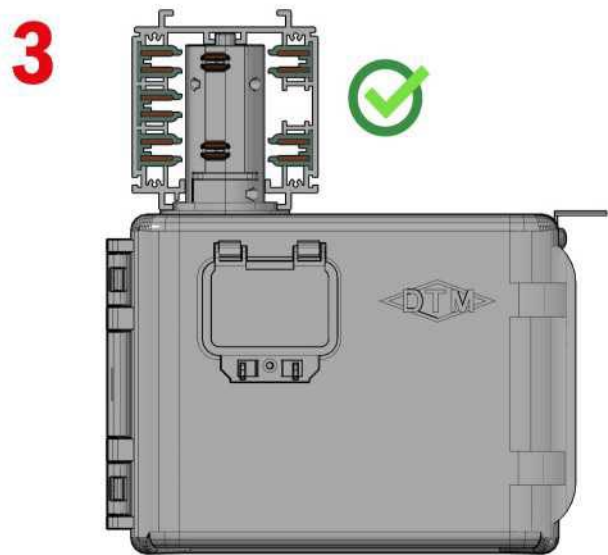
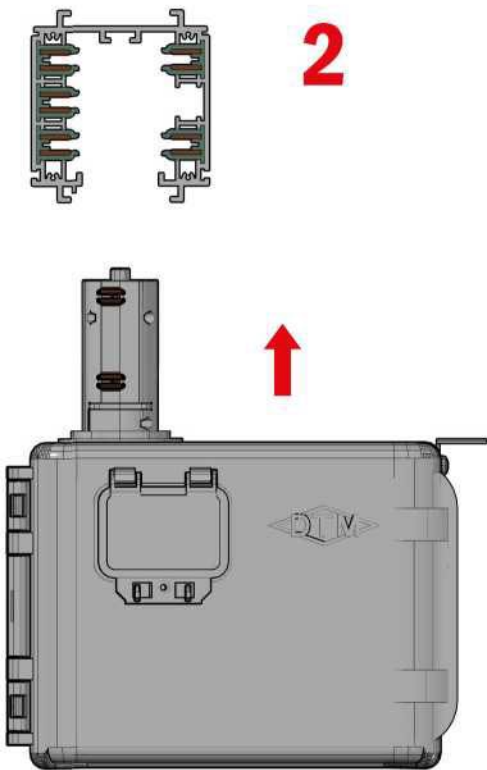
8



Output Box
Installation



Install the data-bar outlet box upward in a position parallel to the busbar trunking.

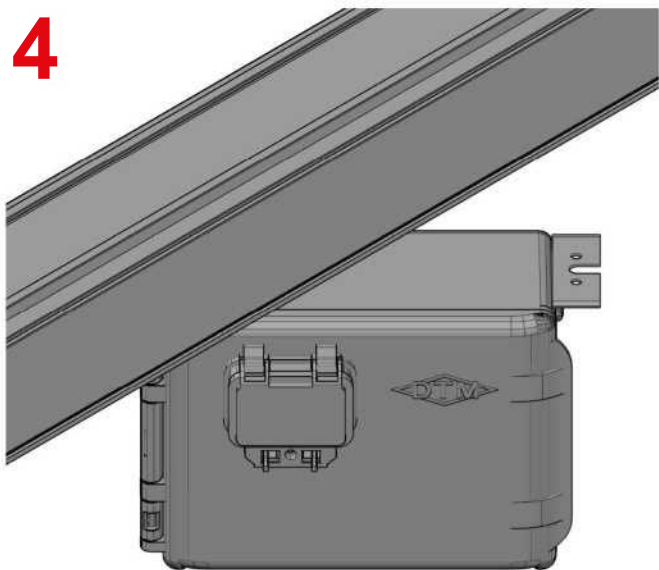


Ensure that the output box is fully seated in the channel.

After the outlet box is fully seated in the channel, rotate the box 90° to the right.

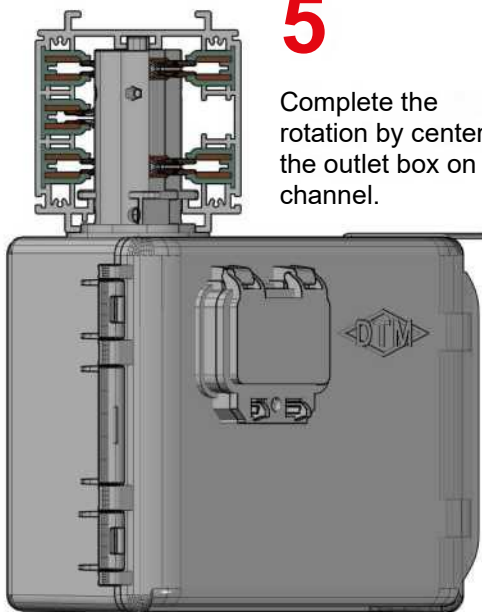
Output Box
Installation

4



Rotate the outlet box 90° to the right.

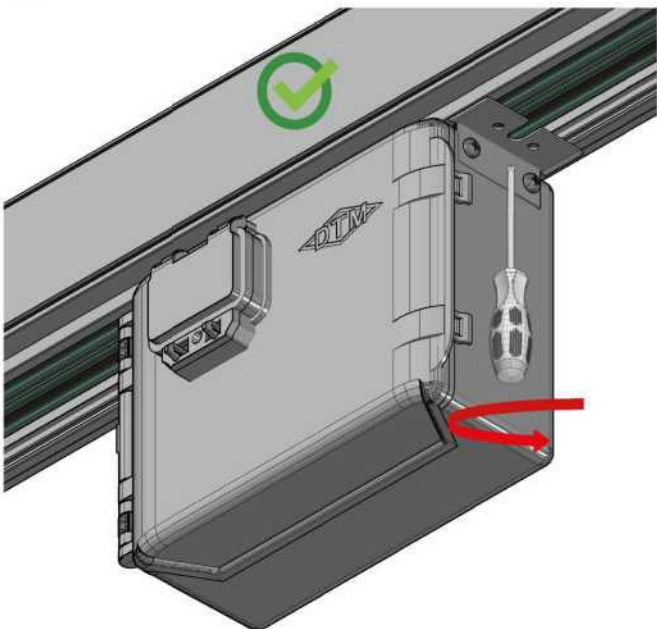
5



Complete the rotation by centering the outlet box on the channel.

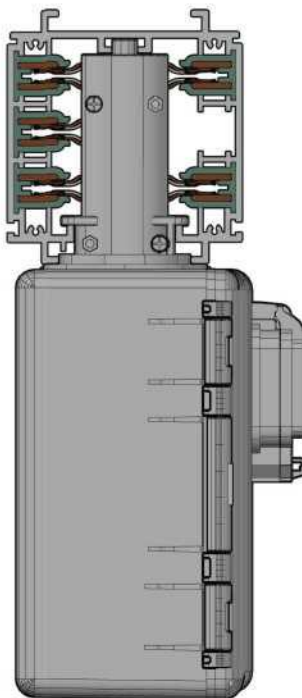
6

Align it with the mounting holes inside the channel and tighten using a screwdriver.

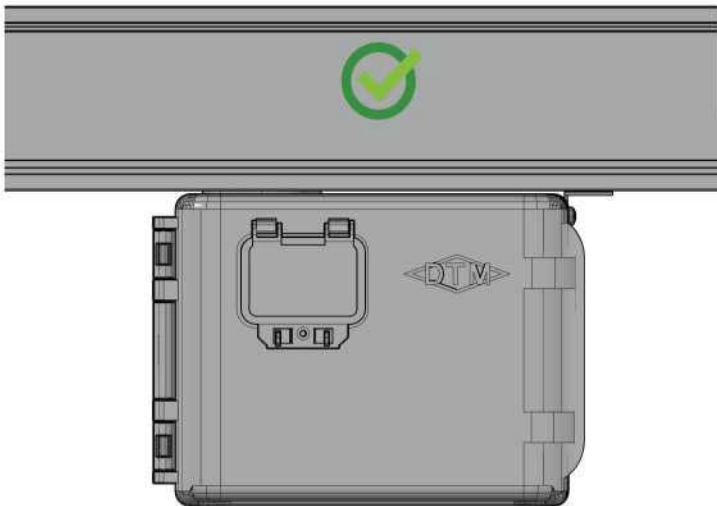


7

Complete the rotation by centering the outlet box on the channel.

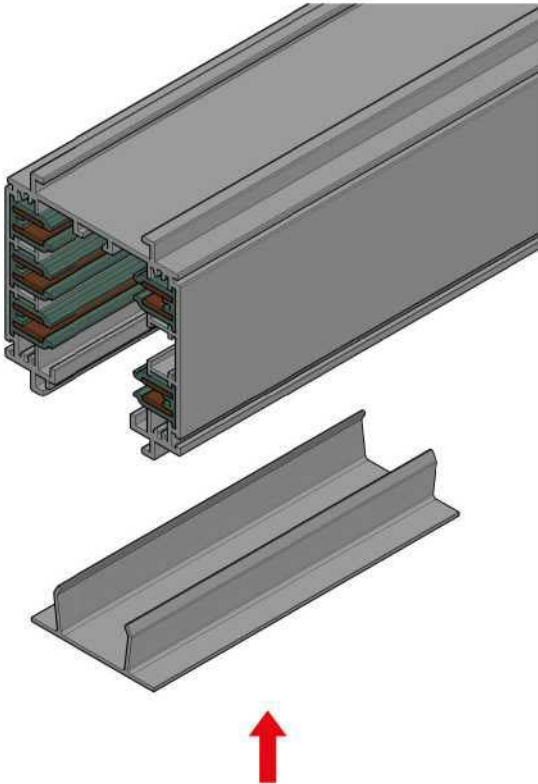


Output Box
Installation

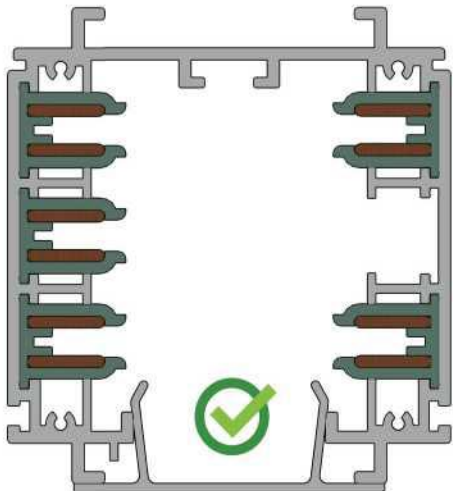


8 The output box installation is complete.

9 To close the channel gap, fit the closure covers onto the channel in an upward direction.



10 Use a cover to close the channel gap.





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