MOREK
Creating a better future for You

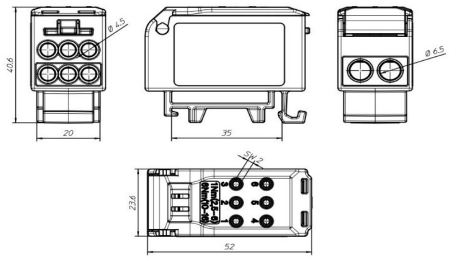
INSTALLATION GUIDE

Product information

Product code	Product name	$I_{n\,Al}$	$I_{n\,Cu}$	U_n	USA specific		
					$I_{max\,Al}$	$I_{max\,Cu}$	U_{max}
MAB1080S10	OJL connector 80	75 A	80 A	1000 V AC / 1500 V DC	-	-	-
MAB1080B10	OJL connector 80 Blue	75 A	80 A	1000 V AC / 1500 V DC	-	-	-
MAB1080G10	OJL connector 80 Green	75 A	80 A	1000 V AC / 1500 V DC	-	-	-

Mounting

Certification and approval



CE RoHS Fi

DIN-rail mounting

DIN rail mounting
Set connector on DIN rail. Push until connector locks down.

Removal
Release the slider and lift connector

Connection

Screw size

Screw $_1$	M6
SW_1	3
Screw $_2$	M4
SW_2	2

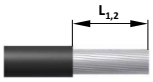
Tightening torque M

M_{H1}	2,5-6 mm²	1 Nm
M_{S1}	10-16 mm²	6 Nm

Conductor range	IN 2x(Al/Cu) 2,5-16 mm² OUT: 6x (Cu) 2,5-6mm²
Max. Input wire cross section	16 mm²
Max. Output wire cross section	6 mm²

Stripping length L

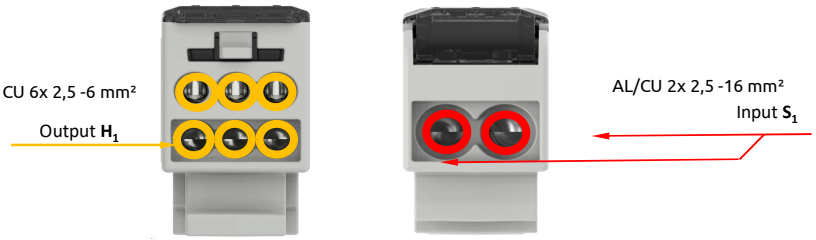
(Input) L1	11 mm
(Output) L2	8 mm

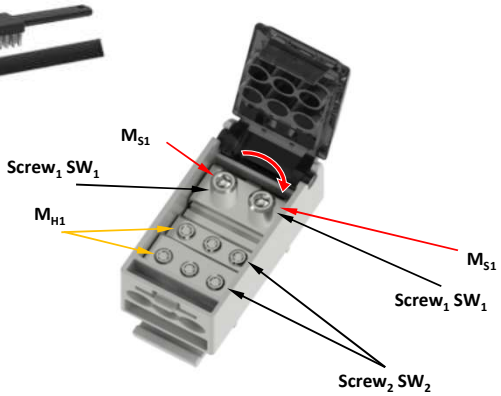


Copper conductors	Aluminium conductors	Supported IEC 60228 -conductors	Sector shaped cable
Max. 3 X CU / Conductor contact space	1 X AL / Conductor contact space	Class 5 & 6 (fine stranded) Using ferrule is recommended	
≤ 16 mm² total	Anti-corrosion paste: e.g. Penetrox	Class 1 & 2 (solid and stranded)	Pre-round the cable

Conductor installation

Connect the **input** conductor when cover is open. Can be used for both copper- or aluminium conductors.
Note! The Aluminium conductor is allowed only one conductor/one input contact space.
With the Al-conductors, it's recommended to use anti-corrosion paste. (i.e. Penetrox)
Remove any layer of oxide by brass or steel brush.
We recommend a ferrule when using a fine-stranded conductor.





The branching conductors **H1** and **H2** can be connected also when the cover is closed.
Note! It's allowed use only Cu-conductors for branching.
Support connector during tightening the screws.
Connector must be installed so that conductors are relieved from strain.

Cross-section of conductors and number of conductors / contact space. (S1 / H1) (Al- conductors in parenthesis)

1,5 mm²	2,5 mm²	6 mm²	10 mm²	16 mm²	25 mm²	35 mm²	50 mm²
-	3 / 2	2 / 1	1 / 0	1 / 0	-	-	-

The specified max. amount of conductors refers only to industrially installed terminals.

70 mm²	95 mm²	120 mm²	150 mm²	185 mm²	240 mm²	300 mm²	400 mm²
-	-	-	-	-	-	-	-