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}
MAA3050A10	OTL-connector 3xAl/Cu 1,5-50mm² (Grey)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
MAA3050B10	OTL-connector 3xAl/Cu 1,5-50mm² (Blue)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
MAA3050Y10	OTL-connector 3xAl/Cu 1,5-50mm² (Yellow/Green)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
MAA3050R10	OTL-connector 3xAl/Cu 1,5-50mm² (Red)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V
MAA3050S10	OTL-connector 3xAl/Cu 1,5-50mm² (Black)	290 A	320 A	1000 V AC / 1500 V DC	120 A	2x150 A	1000 V

Mounting

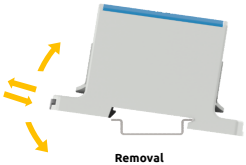
Certification and approval



CE RoHS

DIN-rail and screw (M5) mounting

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



Removal
Release the slider and lift connector



Marking
5 mm width (Eg. Partex TX)

Use max. Ø5 mm screw.

Connection

Screw size		
	Screw	M10
	SW	5

SW

Tightening torque M		
	1,5-2,5 mm² (14-16 AWG)	1,5 Nm
	4-10 mm² (8-12 AWG)	5 Nm
	16-50 mm² (1/0-6 AWG)	10 Nm

Conductor range	3xAl/Cu 1,5-50 mm²
Max. wire cross section	50 mm²

Stripping length L	15 mm

L

Copper conductors

Max. 3 X CU / Conductor contact space

≤ 50 mm² total

Aluminium conductors

1 X AL / Conductor contact space

Anti-corrosion paste: e.g. Penetrox

Supported IEC 60228 -conductors

Class 5 & 6 (Fine stranded) Using ferrule is recommended

Class 1 & 2 (solid and stranded)

Sector shaped cable

Pre-round the cable

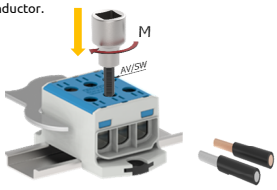
Conductor installation

Remove any oxide layer by brushing with a brass or a steel brush.

Use protective grease (e.g. Penetrox) and brush grease on the contact surfaces of the conductor.

1-pole connector

Support connector during tightening the screws. Ensure the torque after tightening, tighten twice if necessary. Connector must be installed so that conductors are relieved from strain.



Marking

Use outermost input holes with two cable input.



Optional terminal shroud
MAA0050A10

Attention!

The installation must always be done in accordance with the international standard in compliance with national legislation.

Each protective or neutral conductor must have their own conductor space. SFS 6000-7-729.

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

1,5 mm²	2,5 mm²	6 mm²	10 mm²	16 mm²	25 mm²	35 mm²	50 mm²
3 (1)	3 (1)	3 (1)	3 (1)	3 (1)	2 (1)	1 (1)	1 (1)

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
-	-	-	-	-	-	-	-