

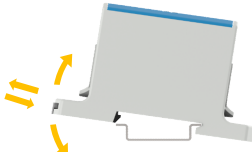











## Product information


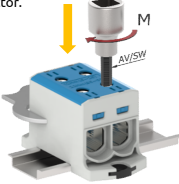


Product code	Product name	I <sub>n</sub> Al	I <sub>n</sub> Cu	U <sub>n</sub>	USA specific		
					I <sub>max</sub> Al	I <sub>max</sub> Cu	U <sub>max</sub>
MAA1095A10	OTL-connector 1xAl/Cu 6-95mm <sup>2</sup> (Grey)	220 A	245 A	1000 V AC / 1500 V DC	180 A	230 A	1000 V
MAA1095B10	OTL-connector 1xAl/Cu 6-95mm <sup>2</sup> (Blue)	220 A	245 A	1000 V AC / 1500 V DC	180 A	230 A	1000 V
MAA1095Y10	OTL-connector 1xAl/Cu 6-95mm <sup>2</sup> (Yellow/Green)	220 A	245 A	1000 V AC / 1500 V DC	180 A	230 A	1000 V
MAA1095R10	OTL-connector 1xAl/Cu 6-95mm <sup>2</sup> (Red)	220 A	245 A	1000 V AC / 1500 V DC	180 A	230 A	1000 V
MAA1095S10	OTL-connector 1xAl/Cu 6-95mm <sup>2</sup> (Black)	220 A	245 A	1000 V AC / 1500 V DC	180 A	230 A	1000 V
MAA2095A10	OTL-connector 2xAl/Cu 6-95mm <sup>2</sup> (Grey)	220 A	490 A	1000 V AC / 1500 V DC	180 A	2x230 A	1000 V
MAA2095B10	OTL-connector 2xAl/Cu 6-95mm <sup>2</sup> (Blue)	220 A	490 A	1000 V AC / 1500 V DC	180 A	2x230 A	1000 V
MAA2095Y10	OTL-connector 2xAl/Cu 6-95mm <sup>2</sup> (Yellow/Green)	220 A	490 A	1000 V AC / 1500 V DC	180 A	2x230 A	1000 V
MAA2095R10	OTL-connector 2xAl/Cu 6-95mm <sup>2</sup> (Red)	220 A	490 A	1000 V AC / 1500 V DC	180 A	2x230 A	1000 V
MAA2095S10	OTL-connector 2xAl/Cu 6-95mm <sup>2</sup> (Black)	220 A	490 A	1000 V AC / 1500 V DC	180 A	2x230 A	1000 V

## Mounting

Certification and approval	DIN-rail and screw (M5) mounting
 	<p><b>DIN rail mounting</b> Set connector on DIN rail. Push until connector locks down.</p>  <p><b>Removal</b> Release the slider and lift connector</p>  <p>Use max. Ø5 mm screw.</p> 

## Connection

Screw size 	Screw	M14	Tightening torque M	6-25 mm <sup>2</sup> (3-10 AWG)	12 Nm	Stripping length L	20 mm
	SW	6		35-95 mm <sup>2</sup> (4/0-2 AWG)	22 Nm		
Conductor range		1xAl/Cu 6-95 mm <sup>2</sup>		2xAl/Cu 6-95 mm <sup>2</sup>			
Max. wire cross section		95 mm <sup>2</sup>		95 mm <sup>2</sup>			
Copper conductors	Aluminium conductors	Supported IEC 60228 -conductors				Sector shaped cable	
Max. 3 X CU / Conductor contact space  ≤ 95 mm <sup>2</sup> total	1 X AL / Conductor contact space  Anti-corrosion paste: e.g. Penetrox	 Class 5 & 6 (fine stranded) Using ferrule is recommended   Class 1 & 2 (solid and stranded)				Pre-round the cable	

Conductor installation	Marking	Attention!
<p>Remove any oxide layer by brushing with a brass or a steel brush.</p>  <p>Use protective grease (e.g. Penetrox) and brush grease on the contact surfaces of the conductor.</p>  <p>1-pole connector</p> <p>Support connector during tightening the screws.</p> <p>Ensure the torque after tightening, tighten twice if necessary.</p> <p>Connector must be installed so that conductors are relieved from strain.</p>	<p>5 mm width (Eg. Partex TX)</p>  <p>Optional terminals/round MAA0095A10</p>	<p>The installation must always be done in accordance with the international standard in compliance with national legislation.</p>  <p>Each protective or neutral conductor must have their own conductor space. SFS 6000-7-729.</p>

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

1,5 mm <sup>2</sup>	2,5 mm <sup>2</sup>	6 mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	50 mm <sup>2</sup>	The specified max. amount of conductors refers only to industrially installed terminals.	
-	-	3 (1)	3 (1)	3 (1)	3 (1)	2 (1)	1 (1)		
		70 mm <sup>2</sup>	95 mm <sup>2</sup>	120 mm <sup>2</sup>	150 mm <sup>2</sup>	185 mm <sup>2</sup>	240 mm <sup>2</sup>		300 mm <sup>2</sup>
		1 (1)	1 (1)	-	-	-	-	-	-