

CERTIFICATE FI/41775/M2

Our Ref. HEL-CERT230901416-05



Product Connector for power cables

Type MAA...

Trademark MOREK

Certificate Holder Morek IT OÜ
Pärnu mnt 160j
EE-11318, Tallinn, Estonia

Technical information See pages 2-8 of this Certificate

Other information -

The product is certified according to the following standard(s)
EN 61238-1:2003
EN 60947-7-1:2009
EN 60947-7-2:2009

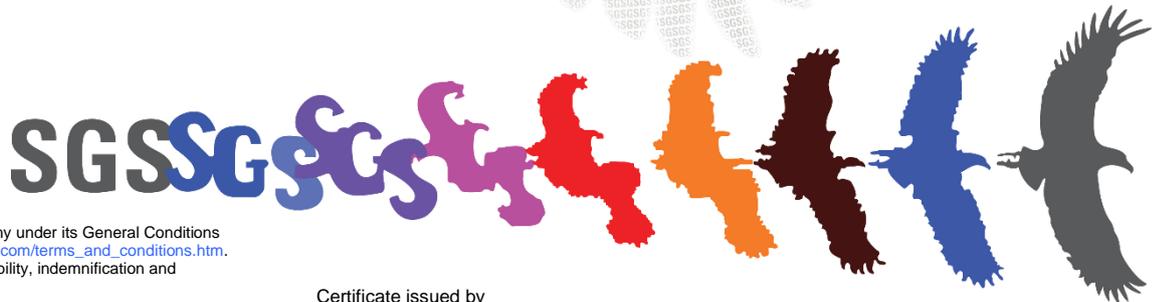
Validity This certificate is valid until 2028-06-09 provided that the Conditions for FI certification are met. This certificate includes the right to use the FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for FI certification are met.

Date of issue 2025-11-11

SGS Fimko Oy

Signature


Joonas Leinonen
Certification Manager



Manufacturer Morek IT OÜ
Pärnu mnt 160j, EE-11318, Tallinn, Estonia

Manufacturing site Ouneva Oy
Teollisuustie 19, FI-82730, Tuupovaara, Finland

Eswire OÜ
Vergi Küla, EE-45404, Haljala Vald, Estonia

Additional information

Type	Color
MAA1016B10	blue
MAA1016A10	grey
MAA1016Y10	yellow/green
MAA1016R10	red
MAA1016S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
1xAl/Cu 1,5 – 16 mm ²	75 A	82 A	A	1000 V AC / 1500 V DC

Tightening torques	
1,5 mm ²	1,5 Nm
2,5 – 6 mm ²	3,5 Nm
10 – 16 mm ²	7 Nm

Type	Color
MAA1035A10	grey
MAA1035B10	blue
MAA1035Y10	yellow/green
MAA1335A10	grey (3x1x2,5 – 35 mm ²)
MAA5035A10	grey, blue, yellow/green (5x1x2,5 – 35 mm ²)
MAA1035R10	red
MAA1035S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
1xAl/Cu 2,5 – 35 mm ²	120 A	135 A	A	1000 V AC / 1500 V DC

Tightening torques	
2,5 – 6 mm ²	3 Nm
25 – 35 mm ²	6 Nm

Additional information

Type	Color
MAA2035A10	grey
MAA2035B10	blue
MAA2035Y10	yellow/green
MAA2035R10	red
MAA2035S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
2xAl/Cu 2,5 – 35 mm ²	120 A	270 A	A	1000 V AC / 1500 V DC

Tightening torques

2,5 – 16 mm ²	3 Nm
25 – 35 mm ²	6 Nm

Type	Color
MAA1050A10	grey
MAA1050B10	blue
MAA1050Y10	yellow/green
MAA1050R10	red
MAA1050S10	black
MAA1350A10	grey (consist of 3 pcs MAA1050A10 connectors)

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
1xAl/Cu 1,5 – 50 mm ²	145 A	160 A	A	1000 V AC / 1500 V DC

Tightening torques

1,5 – 2,5 mm ²	1,5 Nm
4 – 10 mm ²	5 Nm
16 – 50 mm ²	10 Nm

Type	Color
MAA2050A10	grey
MAA2050B10	blue
MAA2050Y10	yellow/green
MAA2050R10	red
MAA2050S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
2xAl/Cu 1,5 – 50 mm ²	290 A	320 A	A	1000 V AC / 1500 V DC

Tightening torques

1,5 – 2,5 mm ²	1,5 Nm
4 – 10 mm ²	5 Nm
16 – 50 mm ²	10 Nm

Additional information

Type	Color
MAA1095A10	grey
MAA1095B10	blue
MAA1095Y10	yellow/green
MAA1095R10	red
MAA1095S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
1xAl/Cu 6 – 95 mm ²	220 A	245 A	A	1000 V AC / 1500 V DC

Tightening torques	
6 – 2,5 mm ²	12 Nm
35 – 95 mm ²	22 Nm

Type	Color
MAA2095A10	grey
MAA2095B10	blue
MAA2095Y10	yellow/green
MAA2095R10	red
MAA2095S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
2xAl/Cu 6 – 95 mm ²	220 A	580 A	A	1000 V AC / 1500 V DC

Tightening torques	
6 – 2,5 mm ²	12 Nm
35 – 95 mm ²	22 Nm

Type	Color
MAA1150A10	grey
MAA1150B10	blue
MAA1150Y10	yellow/green
MAA1150R10	red
MAA1150S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
1xAl/Cu 25 – 150 mm ²	290 A	580 A	A	1000 V AC / 1500 V DC

Tightening torques	
25 – 50 mm ²	14 Nm
70 – 150 mm ²	35 Nm

Additional information

Type	Color
MAA2150A10	grey
MAA2150B10	blue
MAA2150Y10	yellow/green
MAA2150R10	red
MAA2150S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
2xAl/Cu 25 – 150 mm ²	290 A	640 A	A	1000 V AC / 1500 V DC

Tightening torques	
25 – 50 mm ²	14 Nm
70 – 150 mm ²	30 Nm

Type	Color
MAA1240A10	grey
MAA1240B10	blue
MAA1240Y10	yellow/green
MAA1240R10	red
MAA1240S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
1xAl/Cu 35 – 240 mm ²	380 A	425 A	A	1000 V AC / 1500 V DC

Tightening torques	
35 – 120 mm ²	26 Nm
150 – 240 mm ²	46 Nm

Type	Color
MAA2240A10	grey
MAA2240B10	blue
MAA2240Y10	yellow/green
MAA2240R10	red
MAA2240S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
2xAl/Cu 35 – 240 mm ²	380 A	850 A	A	1000 V AC / 1500 V DC

Tightening torques	
35 – 120 mm ²	26 Nm
150 – 240 mm ²	40 Nm

Additional information

Type	Color
MAA1300A10	grey
MAA1300B10	blue
MAA1300Y10	yellow/green
MAA1300R10	red
MAA1300S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
1xAl/Cu 95 – 300 mm ²	440 A	490 A	A	1000 V AC / 1500 V DC

Tightening torques	
95 – 150 mm ²	30 Nm
185 – 300 mm ²	60 Nm

Type	Color
MAA3050A10	grey
MAA3050B10	blue
MAA3050Y10	yellow green
MAA3050R10	red
MAA3050S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
3xAl/Cu 1,5 – 50 mm ²	290 A	320 A	A	1000 V AC / 1500 V DC

Tightening torques	
1,5 – 2,4 mm ²	1,5 Nm
4 – 10 mm ²	5 Nm
16 – 50 mm ²	10 Nm

Type	Color
MAA3095A10	grey
MAA3095B10	blue
MAA3095Y10	yellow green
MAA3095R10	red
MAA3095S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
3xAl/Cu 6 – 95 mm ²	440 A	490 A	A	1000 V AC / 1500 V DC

Tightening torques	
6 – 25 mm ²	12 Nm
35 – 95 mm ²	22 Nm

Additional information

Type	Color
MAA3150A10	grey
MAA3150B10	blue
MAA3150Y10	yellow-green
MAA3150R10	red
MAA3150S10	black

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
3xAl/Cu 25 – 150 mm ²	500 A	640 A	A	1000 V AC / 1500 V DC
3xAl 25 – 120 mm ²				

Tightening torques	
55 – 50 mm ²	14 Nm
70 – 150 mm ²	30 Nm

Type	Color
MAA5016A10	grey
MAA5016A11	grey

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
5x(1xAl/Cu 1,5 – 16 mm ²)	75 A	82 A	A	1000 V AC / 1500 V DC

Tightening torques	
1,5 mm ²	1,5 Nm
2,5 – 6 mm ²	3,5 Nm
10 – 16 mm ²	7 Nm
Stripping length. 13 mm	

MAA5016A10 Attachment of the terminal block on its support by DIN-rail.
 MAA5016A11 Attachment of the terminal block on its support by DIN-rail or screw.

Type	Color
MAA5050A10	grey

Cross-section area	I _{AI}	I _{Cu}	Class	U _n
5x(1xAl/Cu 1,5 – 50 mm ²)	145 A	160 A	A	1000 V AC / 1500 V DC

Tightening torques	
1,5 – 2,5 mm ²	1,5 Nm
4 – 10 mm ²	3,5 Nm
16 – 50 mm ²	10 Nm
Stripping length 15 mm.	

Additional information

Type	Color			
MAA5095A10	grey			
Cross-section area	I _{Al}	I _{Cu}	Class	U _n
5x(1xAl/Cu 6 - 95 mm ²)	220 A	245 A	A	1000 V AC / 1500 V DC
Tightening torques				
6 – 25 mm ²	12 Nm			
35 – 95 mm ²	22 Nm			
Stripping length	20 mm.			

Connector body in phase-, neutral- and earthing connector is same.
Only colour of connector´s top part is changing.

This certificate replaces certificates FI/41775/A2, dated 2025-02-13, due to addition of new model variants. The test results are based on testing performed on Ouneva Oy's certificate FI/41685/M2, dated 2025-07-14.

As shown in the Test Report(s) No(s): HELES2311001088-1, HELES2205000639-1, HELES2303000314-1, HELES2303000318-1, HELES2102000090-1, HELES2102000091-1, HELES2102000092-1 273505-1, 273780-1, 277043-1, 284316-1, 284388-1, 284388-2, 284389-1, 284389-2, 284403-1, 284403-2, 284408-2, 284410-2, 285830-1, 286378-1, 287263-1, 287327-1, 288631-1, 291337-1, 292155-1 and 292453-1, HELES2503000241-1, HELES2503000242-1, HELES2503000243-1