

CERTIFICATE FI 30577



Our Ref. 294233-1

Product Connector for power cables

Type MAA...

Trade mark MOREK

**Certificate Holder/
Manufacturer** Morek IT OÜ
Lelle 24
EE-11318 TALLINN
ESTONIA

Technical information See the Appendix to this Certificate

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

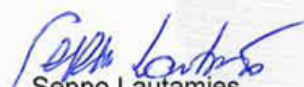
Validity This certificate is valid until 20 September 2023 provided that the Conditions for FI certification are met. This certificate includes the right to use the FI mark under the condition that product changes (if any) will be approved at SGS Fimko before the product is brought onto market.

Directive information The certified product(s) fulfils requirements of above mentioned standard(s) which are harmonised under the Low Voltage Directive (2014/35/EU) at the date of issue of the certificate.

Date of issue 20 September 2018

SGS Fimko Ltd

Signature


Seppo Lautamies
Project Manager

This certificate has 4 appendixes



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Fimko Ltd.

Särkiniementie 3 P.O.Box 30 FI-00211 Helsinki, Finland
t. +358 9 696 361 f. +358 9 692 5474 www.sgs.fi

Business ID 0978538-5

Member of the SGS Group (SGS SA)

Appendix 1/4 to Certificate: 30577

Manufacturing sites

Teollisuustie 21
FI-82730 TUUPOVAARA, FINLAND

Eswire OÜ
Vergi Kula
EE-45501 VILHULA VALD, ESTONIA

Additional information



Type	Color
MAA1016A10	Grey
MAA1016B10	Blue
MAA1016Y10	Yellow/Green
MAA1016S10	Black
MAA1016R10	Red

Cross-section area	I _{nAl}	I _{nCu}	Class	U _n
1xAl/Cu 1,5 – 16 mm ²	75 A	82 A	A	1000 V
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 (3x1xAl/Cu 2,5 – 35 mm ²)
MAA5035A10	Grey (5x1xAl/Cu 2,5 – 35 mm ²)

Cross-section area	I _{nAl}	I _{nCu}	Class	U _n
1xAl/Cu 2,5 – 35 mm ²	120 A	135 A	A	1000 V
Tightening torques				
2,5 – 16 mm ²	3 Nm			
25 – 35 mm ²	6 Nm			

Type	Color
MAA2035A10	Grey
MAA2035B10	Blue
MAA2035Y10	Yellow/Green

Cross-section area	I _{nAl}	I _{nCu}	Class	U _n
2 x Al/Cu 2,5 – 35 mm ²	120 A	135 A	A	1000 V
Tightening torques				
2,5 – 16 mm ²	3 Nm			
25 – 35 mm ²	6 Nm			

Appendix 2/4 to Certificate: 30577

Additional information

Type	Color
MAA1050A10	Grey
MAA1050B10	Blue
MAA1050Y10	Yellow/Green
MAA1050S10	Black
MAA1050R10	Red
MAA1350A10	Grey (consist of 3 pcs VC05-0013 connectors)

Cross-section area	I _{nAl}	I _{nCu}	Class	U _n
1xAl/Cu 1,5 – 50 mm ²	145 A	160 A	A	1000 V
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
MAA2050S10	Black
MAA2050R10	Red

Cross-section area	I _{nAl}	I _{nCu}	Class	U _n
2 x Al/Cu 1,5 – 50 mm ²	290 A	320 A	A	1000 V
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
MAA1095A10	Grey
MAA1095B10	Blue
MAA1095Y10	Yellow/Green
MAA1095S10	Black
MAA1095R10	Red

Cross-section area	I _{nAl}	I _{nCu}	Class	U _n
1xAl/Cu 6 – 95 mm ²	220 A	245 A	A	1000 V
Tightening torques				
6 – 25 mm ²	12 Nm			
35 – 95 mm ²	22 Nm			

Type	Color
MAA2095A10	Grey
MAA2095B10	Blue
MAA2095Y10	Yellow/Green
MAA2095S10	Black
MAA2095R10	Red

Cross-section area	I _{nAl}	I _{nCu}	Class	U _n
2 x Al/Cu 6 – 95 mm ²	220 A	245 A	A	1000 V
Tightening torques				
6 – 25 mm ²	12 Nm			
35 – 95 mm ²	22 Nm			

Appendix 3/4 to Certificate: 30577

Additional information

Type	Color
MAA1150A10	grey
MAA1150B10	blue
MAA1150Y10	yellow/green

Cross-section area	I _{Al}	I _{Cu}	Class	U _n
1xAl/Cu 25 – 150 mm ²	290 A	320 A	A	1000 V
Tightening torques				
25 – 50 mm ²	14 Nm			
70 – 150 mm ²	35 Nm			

Type	Color
MAA2150A10	grey
MAA2150B10	blue
MAA2150Y10	yellow/green

Cross-section area	I _{Al}	I _{Cu}	Class	U _n
2xAl/Cu 25 – 150 mm ²	290 A	320 A	A	1000 V
Tightening torques				
25 – 50 mm ²	14 Nm			
70 – 150 mm ²	30 Nm			

Type	Color
MAA1240A10	grey
MAA1240B10	blue
MAA1240Y10	yellow/green

Cross-section area	I _{Al}	I _{Cu}	Class	U _n
1xAl/Cu 35 – 240 mm ²	380 A	425 A	A	1000 V
Tightening torques				
35 – 120 mm ²	26 Nm			
150 – 240 mm ²	46 Nm			

Type	Color
MAA2240A10	grey
MAA2240B10	blue
MAA2240Y10	yellow/green

Cross-section area	I _{Al}	I _{Cu}	Class	U _n
2xAl/Cu 35 – 240 mm ²	380 A	425 A	A	1000 V
Tightening torques				
35 – 120 mm ²	26 Nm			
150 – 240 mm ²	40 Nm			

Type	Color
MAA3050A10	Grey
MAA3050B10	Blue
MAA3050Y10	Yellow/Green

Cross-section area	I _{Al}	I _{Cu}	Class	U _n
3xAl/Cu 1,5 – 50 mm ²	145 A	160 A	A	1000 V
Tightening torque				
1,5 – 2,5 mm ²	1,5 Nm			
4 – 10 mm ²	5 Nm			
16 – 50 mm ²	10 Nm			

Appendix 4/4 to Certificate: 30577

Additional information

Type	Color
MAA3095A10	Grey
MAA3095B10	Blue
MAA3095Y10	Yellow/Green

Cross-section area	I _{nAl}	I _{nCu}	Class	U _n
3xAl/Cu 6 – 95 mm ²	220 A	245 A	A	1000 V
Tightening torque				
6 – 25 mm ²	12 Nm			
35 – 95 mm ²	22 Nm			

Type	Color
MAA3150A10	Grey
MAA3150B10	Blue
MAA3150Y10	Yellow/Green

Cross-section area	I _{nAl}	I _{nCu}	Class	U _n
3xAl/Cu 25 – 150 mm ²	290 A	320 A	A	1000 V
Tightening torque				
25 – 50 mm ²	14 Nm			
70 – 150 mm ²	30 Nm			

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

This certificate replaces certificates FI 30165 dated 26 October 2017 due to added models.

Based on tests

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