

Universal terminals OTL are designed for copper and aluminium conductors. The terminals are suitable for all types of copper or aluminium conductors with cross-section up to 240 mm<sup>2</sup>. Multiple copper wires can be placed to the universal terminals OTL blocks according to the respective terminal type (see Table of universal terminals OTL wiring connectivity on page 9). IP protection class for OTL terminals is IP20.



## Certification and product safety

Universal terminals OTL are tested and certified by following standards:

**EN 60947-7-1:2009** „Low-voltage switchgear and control gear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors“

**EN 61238-1:2003** „Compression and mechanical connectors for power cables for rated voltages up to 30 kV (Um = 36 kV) - Part 1: Test methods and requirements“

All connectors used inside switchgears or similar appliances must fulfil these requirements.

EN 61238-1:2003 for copper and aluminium cables are divided into two classes.

**Class A** (heat cycle and **short-circuit tested**) - These are connectors intended for electricity distribution or industrial networks in which they can be subjected to short-circuits of relatively high intensity and duration. Therefore, Class A connectors are suitable for most applications.

**Class B** (heat cycle tests only, **not short-circuit tested**) - These are connectors for networks in which overloads or short-circuits are rapidly cleared by the installed protective devices, e.g. **fast-acting fuses**.

**Universal terminals OTL are tested and certified class A connectors.**

For choosing safe and reliable connector, always make sure that the terminal is equipped with CE and Class A markings with the symbol of certifying institute, for example FI-mark.



**OTL 16**

**OTL 35**

**OTL 50**

Grey	●	MAA1016A10	MAA1035A10	MAA1050A10
Blue	●	MAA1016B10	MAA1035B10	MAA1050B10
Yellow-green	●	MAA1016Y10	MAA1035Y10	MAA1050Y10
Red	●	MAA1016R10	-	MAA1050R10
Black	●	MAA1016S10	-	MAA1050S10

**Technical data**

Conductor cross-section Cu, Al (mm <sup>2</sup> )	1,5 - 16	2,5 - 35	1,5 - 50
Nominal voltage AC / DC (V)	1000	1000	1000
Nominal current (A)	82 (Cu) / 75 (Al)	135 (Cu) / 120 (Al)	160 (Cu) / 145 (Al)
Width / Height / Length (mm)	13,5 / 39,5 / 45	16 / 40 / 45	18 / 43 / 50
Screw, hexagonal key	No. 4	No. 4	No. 5
Tightening torque (Nm)	1,5 Nm (1,5 - 6 mm <sup>2</sup> ) 7 Nm (10 - 16 mm <sup>2</sup> ) -	3 Nm (2,5 - 16 mm <sup>2</sup> ) 6 Nm (25 - 35 mm <sup>2</sup> ) -	1,5 Nm (1,5 - 2,5 mm <sup>2</sup> ) 5 Nm (4 - 10 mm <sup>2</sup> ) 10 Nm (16 - 50 mm <sup>2</sup> )
Mounting	DIN rail	DIN rail	DIN rail
Weight (g)	17	27	30
Package (pcs)	30	30	● 50 / ● ● ● ● 30

Dimensions

