

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 mm². 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.



Protective plastic covers are offered as accessories for universal terminals OTL. They are used for blanking unused connection space or for maintaining IP20 protection class when using wire with smaller cross-section. These accessories are offered for terminals series OTL 50, OTL 95, OTL 150 and OTL 240.



Finger guard
OTL 50



Finger guard
OTL 95



Finger guard
OTL 150



Finger guard
OTL 240

Grey	MAA0050A10	MAA0095A10	MAA0150A10	MAA0240A10
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Technical data				
Width / Height / Length (mm)	14 / 31,5 / 10	18,3 / 45 / 10	22 / 47,5 / 10	28 / 57,5 / 10
Material	PA 66	PA 66	PA 66	PA 66
Weight (g)	0,8	1,4	1,7	2,7
Package (pcs)	10	10	10	10

Contact grease SR-1

- Lubrication grease & rust inhibitor for electrical connectors
- Used both indoors and outdoors

Materials

- Lithium thickened grease, containing antioxidants and corrosion inhibitors

Warning: prolonged or repeated skin contact may irritate the skin and produce dermatitis.

Advantages

- Good protection against both copper and steel corrosion
- Prevention of oxidation of aluminium surfaces
- Reduction of transition resistance while used with wire brush

Standards

- DIN 51502 K2K-30
- ISO 6743 ISO-L-XCCHA2

Contact grease SR-1 250 ml

SR-1

Contact grease SR-1 250ml	MYA0001A10
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Technical data	
Base oil viscosity / cSt at 40 °C	112
Base oil viscosity / cSt at 100 °C	10
Dropping point / °C	>180
Temperature range / °C	-30 to 110
Thickener	Lithium
SKF Emcor WWO distilled water / ISO 11007mod	0-0
Copper corrosion 24h / 100 °C / ASTM D4048	1b
Water resistance / DIN 51807 / 1	0-90
Oil separation 168h / 40 °C / IP121	6%

