Features

- for power circuits
- Male inserts with protection collar
- Polarisation of module

Technical characteristics

Number of contacts	2
Rated current	70 A
Rated voltage	1000 V
Rated impulse voltage	8 kV
Pollution degree	3
Insulation resistance	>10^{10} Ω
Contact resistance	≤0.5 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant, compliant with exemption

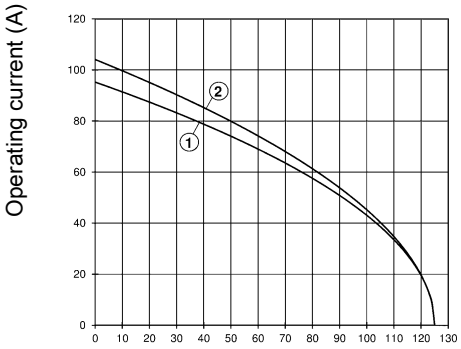
Derating

Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2

Crimp termination

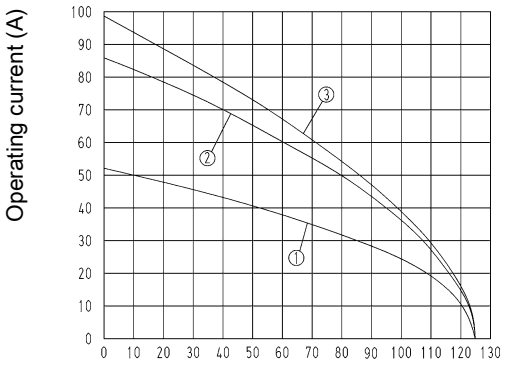


Ambient temperature (°C)

① 24 B hoods/housings with 6 modules Conductor cross-section 16 mm²
② 24 B hoods/housings with 6 modules Conductor cross-section 25 mm²

Derating

Axial screw termination



Ambient temperature (°C)

① 24 B hoods/housings with 6 modules Conductor cross-section 6 mm²
② 24 B hoods/housings with 6 modules Conductor cross-section 16 mm²
③ 24 B hoods/housings with 6 modules Conductor cross-section 22 mm²

Specifications and approvals

EN 60664-1
IEC 61984
UL 1977 ECBT2.E235076
CSA-C22.2 No. 182.3 ECBT8.E235076
UL 2237 PVVA2.E318390
CSA-C22.2 No. 182.3 PVVA8.E318390
DNV GL

Details

Remarks on the axial screw technique

The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.

Hex key (A/F 2.5) see chapter Han 90

For more technical details (i.e. number of crimping operations or crimping position) see eCatalogue

Crimping tools see chapter Han 90

Remarks on the crimp technique

The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.