

Features

- Contacts can be unlocked from the mating side
- Power module for big cross-sections up to 70 mm²
- Suitable as a 3 + PE connector in a Han® 32 B housing

Technical characteristics

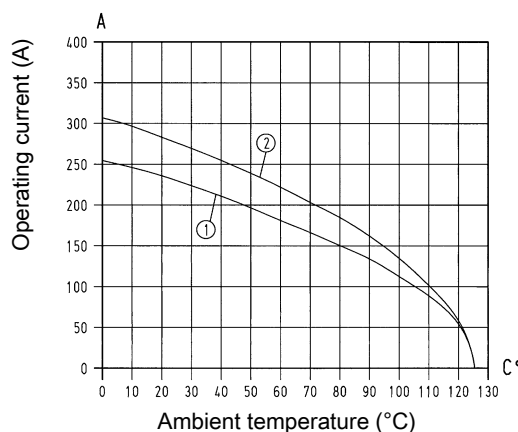
Number of contacts	1
Rated current	200 A
Rated voltage	1000 V, 800 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated voltage acc. to UL	600 V
Insulation resistance	≥10 ¹⁰ Ω
Contact resistance	≤0.3 mΩ, ≤0.2 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Material (insert)	Polycarbonate
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant, compliant with exemption
RoHS exemptions	6c: Copper alloy containing up to 4 % lead by weight, 6a: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0.35 % lead by weight

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



- ① 24 B hoods/housings with 3 modules Conductor cross-section 50 mm²
 ② 24 B hoods/housings with 3 modules Conductor cross-section 70 mm²

Specifications and approvals

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

Details

Contact resistance crimp contact: ≤ 0.3 mΩ

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

Remarks on the axial screw technique

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

Contact resistance axial screw contact: ≤ 0.2 mΩ

Crimping tools see chapter 90

Remarks on the crimp technique

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