

Features

- Contacts for fine stranded wire
- Low mating forces
- Suitable for HPR® hoods and housings
- UL approvals for axial-screw and screw termination

Technical characteristics

Rated current	650 A
Rated voltage	4000 V
Rated impulse voltage	18 kV
Pollution degree	3
Insulation resistance	>10 ¹⁰ Ω
Contact resistance	≤0.3 mΩ, ≤0.2 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Wire outer diameter	≤27 mm, ≤32 mm @ 240 mm ² , ≤26.5 mm
Material (insert)	Polycarbonate (PC), Polyamide (PA)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant, compliant with exemption

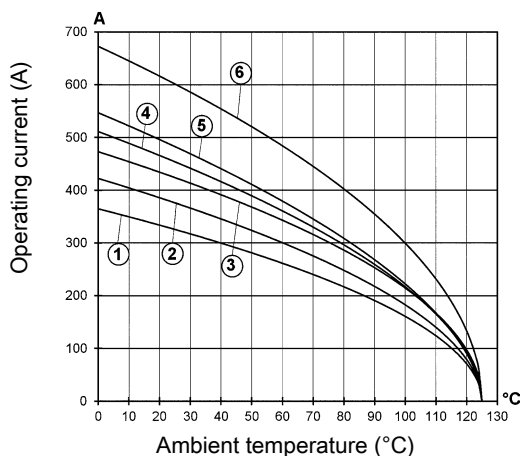
Derating

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

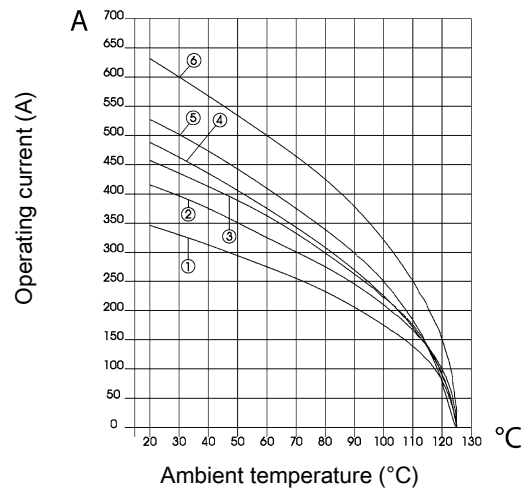
Crimp termination



- Conductor cross-section
- | | |
|-----------------------|-----------------------|
| ① 70 mm ² | ② 95 mm ² |
| ③ 120 mm ² | ④ 150 mm ² |
| ⑤ 185 mm ² | ⑥ 240 mm ² |
- Three contacts in Han® 24 HPR

Derating

Screw termination / axial screw termination



- Conductor cross-section
- | | |
|-----------------------|-----------------------|
| ① 70 mm ² | ② 95 mm ² |
| ③ 120 mm ² | ④ 150 mm ² |
| ⑤ 185 mm ² | ⑥ 240 mm ² |
- Three contacts in Han® 24 HPR

Specifications and approvals

EN 60664-1
IEC 61984
DNV GL
UL 1977 ECBT2.E235076

Details

Contact resistance crimp contact: ≤ 0.3 mΩ

Contact resistance screw contact: ≤ 0.2 mΩ

Contact resistance axial screw contact: ≤ 0.2 mΩ

Remarks on the axial screw technique

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

Hex key (A/F 8) 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.