

## Features

- The ideal connector for transmission of high currents requiring little space
- The vertical and angled versions offer solutions for almost all applications
- The angled versions offer a space-saving 90° cable wiring

## Technical characteristics

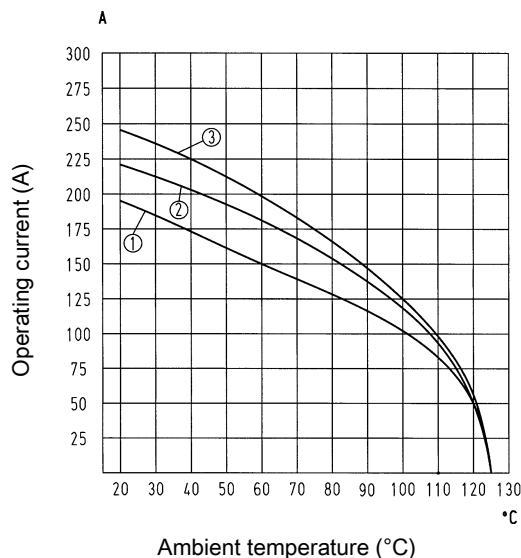
Number of contacts	3
Additional contacts	+ 2 additional signal contacts
Rated current	200 A
Rated voltage conductor-earth	1150 V
Rated voltage conductor-conductor	2000 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current (signal)	16 A
Rated voltage (signal)	400 V
Rated impulse voltage (signal)	6 kV
Pollution degree (signal)	3
Rated current acc. to UL	200 A
Rated current acc. to UL (signal)	16 A
Rated current acc. to CSA	160 A
Rated current acc. to CSA (signal)	16 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	600 V
Rated voltage acc. to CSA	600 V
Rated voltage acc. to CSA (signal)	600 V
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤0.2 mΩ
Contact resistance, signal area	≤1 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 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



- ① Conductor cross-section 35 mm<sup>2</sup>
- ② Conductor cross-section 50 mm<sup>2</sup>
- ③ Conductor cross-section 70 mm<sup>2</sup>

## Specifications and approvals

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

## Details

ATTENTION! Only to be used with special Han® 24 HPR hoods and housings!

### Remarks on the axial screw technique

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

**Hex key (A/F 5)** see chapter Han 90

**Hex key (A/F 4) for PE contact** see chapter Han 90