Han® Q 4/2 Crimp

Features

- Han® C power contacts
- Han D® signal contacts
- Finger safe male and female contacts
- Leading PE crimp contact
- Suitable for standard plastic hoods/housings or metal hoods/housings with additional PE terminating contact on the hoods/housings from the Han-Compact® series
- Mating compatible to the axial screw version

Technical characteristics

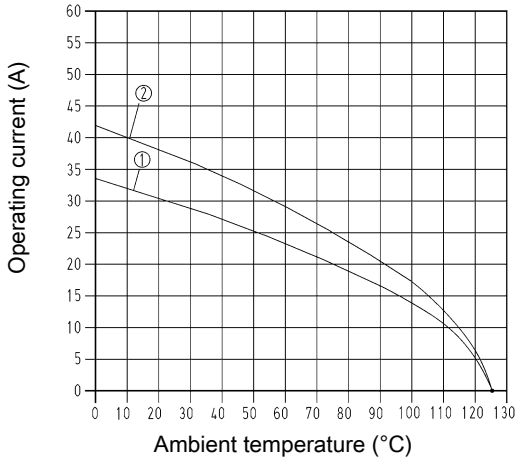
Number of contacts	4
Additional contacts	+ 2 additional signal contacts
Rated current	40 A
Rated voltage conductor-earth	400 V
Rated voltage conductor-conductor	690 V
Rated impulse voltage	6 kV
Pollution degree	3
Rated current (signal)	10 A
Rated voltage (signal)	250 V
Rated impulse voltage (signal)	4 kV
Pollution degree (signal)	3
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	250 V
Rated voltage acc. to CSA	600 V
Rated voltage acc. to CSA (signal)	250 V
Insulation resistance	$>10^{10}$ Ω
Contact resistance	≤1 mΩ, ≤3 mΩ
Contact resistance, signal area	<3 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 2.5 mm²
② Conductor cross-section 4 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

Contact resistance Han D® crimp contact: ≤ 3 mOhm

Contact resistance Han® C crimp contact: ≤ 1 mOhm

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.