Han® K 8/24 Crimp

Features

- Combination of signal and power in one connector
- Crimp termination for power and signal area
- Use of standard Han E® and Han D® contacts

Technical characteristics

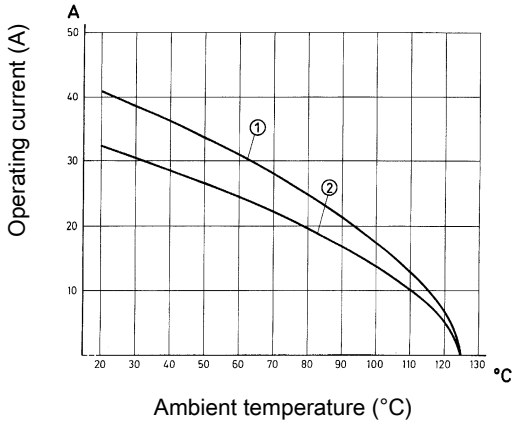
Number of contacts	8
Additional contacts	+ 24 additional signal contacts
Rated current	16 A
Rated voltage conductor-earth	230 V
Rated voltage conductor-conductor	400 V
Rated impulse voltage	4 kV
Pollution degree	3
Rated current (signal)	10 A
Rated voltage (signal)	160 V
Rated impulse voltage (signal)	2.5 kV
Pollution degree (signal)	3
Rated current acc. to UL	16 A
Rated current acc. to UL (signal)	10 A
Rated current acc. to CSA	16 A
Rated current acc. to CSA (signal)	10 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	600 V
Rated voltage acc. to CSA	300 V
Rated voltage acc. to CSA (signal)	300 V
Insulation resistance	$>10^{10}$ Ω
Contact resistance	≤3 mΩ, ≤1 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Material (insert)	Polyamide (PA)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	HB
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



Ambient temperature (°C)

① Conductor cross-section 4 mm²
② Conductor cross-section 2.5 mm²

Specifications and approvals

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

Details

Hoods/Housings see chapter Han 31

Contact resistance Han D® crimp contact: ≤ 3 mOhm

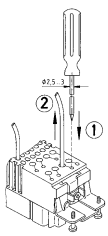
Contact resistance Han E® crimp contact: ≤ 1 mOhm

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.

Removal of power contacts (Han E®)



① Push cross-slotted screw driver (size 0) in the relevant hole of the contact until it reaches the bottom
② Withdraw the crimped contact from the insert