

Features

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

Removal of power contacts (Han® C)

Description see removal tool chapter 99

Removal of signal contacts (Han D®)

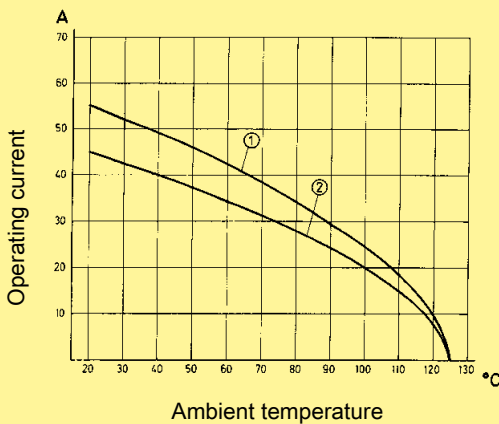
Description see removal tool chapter 99

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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 according to DIN EN 60 512-5



Wire gauge: ① 6 mm²
 ② 4 mm²

Technical characteristics

Specifications DIN EN 60 664-1
 DIN EN 61 984

Approvals

Inserts

Number of contacts	6 / 36 + PE
Electrical data acc. to EN 61 984	
Power area	40 A 690 V 8 kV 3
Rated current	40 A
Rated voltage	690 V
Rated impulse voltage	8 kV
Pollution degree	3
Signal area	10 A 160 V 2.5 kV 3
Rated current	10 A
Rated voltage	160 V
Rated impulse voltage	2.5 kV
Pollution degree	3
Pollution degree 2 also	10 A 250 V 4 kV 2

Rated voltage acc. to UL/CSA	600 V / 300 V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life - mating cycles	≥ 500

Contacts

<u>Power contacts</u>	
Material	copper alloy
Surface	
- hard-silver plated	3 μm Ag
- hard-gold plated	2 μm Au over 3 μm Ni
Contact resistance	≤ 0.3 mΩ
Crimp terminal	
- mm ²	1.5 ... 6 mm ²
- AWG	16 ... 10
Max. insulation diameter	5 mm
<u>Signal contacts</u>	
Material	copper alloy
Surface	
- hard-silver plated	3 μm Ag
- hard-gold plated	2 μm Au over 3 μm Ni
Contact resistance	≤ 3 mΩ
Crimp terminal	
- mm ²	0.14 ... 2.5 mm ²
- AWG	26 ... 14

Hoods/Housings see chapter 30 / 31

