

## Features

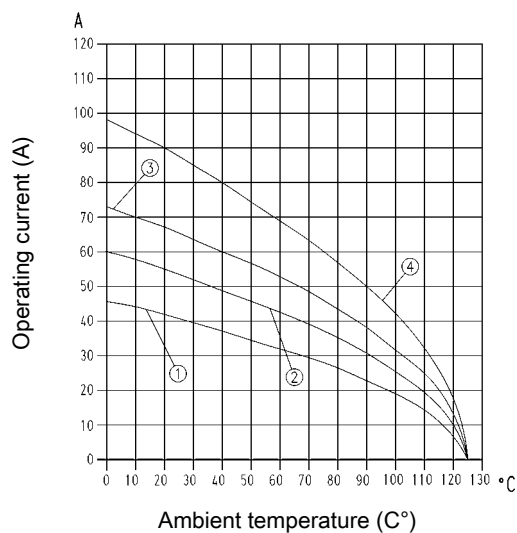
- High current rated compact designed connector
- Mating compatible to the crimp version
- Finger safe male and female contacts
- 16 coding options
- No special tools required for axial-screw termination

## 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 Wire cross section 2.5 mm<sup>2</sup>
- ② Wire cross section 4 mm<sup>2</sup>
- ③ Wire cross section 6 mm<sup>2</sup>
- ④ Wire cross section 10 mm<sup>2</sup>

## Technical characteristics

Contacts	2/0
Electrical data acc. to IEC 61984	<b>40 A 400 V 6 kV 3</b>
Rated current	40 A
Rated voltage	400 V
Rated impulse voltage	6 kV
Pollution degree	3
Rated voltage acc. to UL	400 V
Rated voltage acc. to CSA	400 V
Insulation resistance	≥10 <sup>10</sup> Ohm
Limiting temperatures	-40 °C ... 125 °C
Flammability (insert) acc. to UL 94	V 0
Mating cycles	≥500
Tightening torque	1.8 Nm
Material (insert)	polycarbonate
Colour (insert)	RAL 7032 (light grey)
Material (contact)	copper alloy

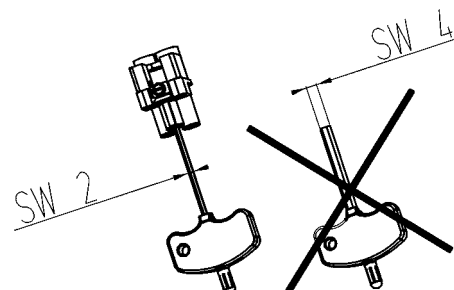
## Specifications and approvals

IEC 60664-1  
IEC 61984



## Details

By using in Han® 3 A HPR hoods/housings the sealing on the insert has to be removed.


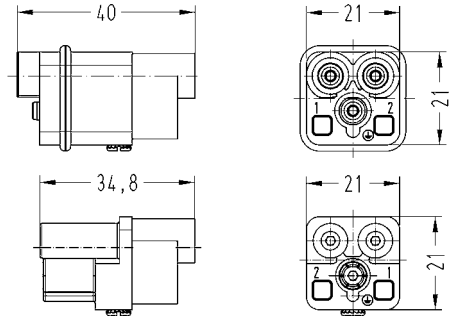

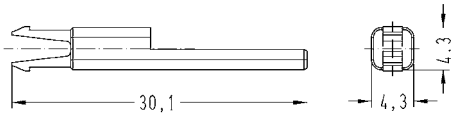


For termination please use only hexagonal screw driver with wrench size SW 2.  
If PE contact is not used: Please screw the PE contact maximal on both sides clockwise with a hexagonal screwdriver, wrench size SW 2.

Number of contacts

2/0+

400 V  
40 A

Identification	Wire cross section (mm²)	Part number male female		Drawing Dimensions in mm	
<p>Han® Q, Axial screw terminal, silver plated contacts, contact resistance ≤1 mOhm</p> 	<p>2.5-6 4-10</p>	<p>09 12 002 2653 09 12 002 2651</p>	<p>09 12 002 2753 09 12 002 2751</p>	 <p>Stripping length 8-9 mm</p>	
<p>Coding element, plastic</p> 		<p>09 12 000 9922</p>	<p>09 12 000 9922</p>		

Han Q