

Features

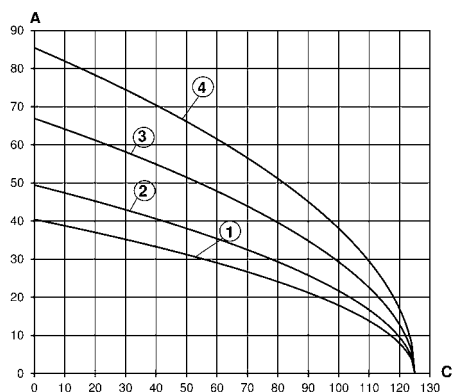
- High current rated compact designed connector
- 4 coding options
- Suitable for Han® C crimp contacts
- Finger safe male and female contacts
- Pre-mating PE crimp contact

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 mm²
- ② Wire cross section 4 mm²
- ③ Wire cross section 6 mm²
- ④ Wire cross section 10 mm²

Technical characteristics

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

Specifications and approvals

IEC 60664-1
IEC 61984



Details

Crimping tools see chapter 90

Remarks on the crimp technique

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

Number of contacts

3/0+

400 V
40 A

Identification	Wire cross section (mm ²)	Part number		Drawing Dimensions in mm																		
		male	female																			
<p>Han® Q, Crimp terminal</p> <p>Please order crimp contacts separately.</p>		09 12 003 3051	09 12 003 3151																			
<p>Han® C, Crimp contact, silver plated contacts, contact resistance ≤1 mOhm</p> <p>Coding element, plastic Range of delivery: 20 pieces per frame</p>	1.5 2.5 4 6 10	09 32 000 6104 09 32 000 6105 09 32 000 6107 09 32 000 6108 09 32 000 6109	09 32 000 6204 09 32 000 6205 09 32 000 6207 09 32 000 6208 09 32 000 6209	<table border="1"> <thead> <tr> <th>Wire gauge</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>1.5 mm² AWG 16</td> <td>1.75</td> <td>9.5 mm</td> </tr> <tr> <td>2.5 mm² AWG 14</td> <td>2.25</td> <td>9.5 mm</td> </tr> <tr> <td>4 mm² AWG 12</td> <td>2.85</td> <td>9.5 mm</td> </tr> <tr> <td>6 mm² AWG 10</td> <td>3.5</td> <td>9.5 mm</td> </tr> <tr> <td>10 mm² AWG 8</td> <td>4.3</td> <td>12 mm</td> </tr> </tbody> </table>	Wire gauge	∅	Stripping length	1.5 mm ² AWG 16	1.75	9.5 mm	2.5 mm ² AWG 14	2.25	9.5 mm	4 mm ² AWG 12	2.85	9.5 mm	6 mm ² AWG 10	3.5	9.5 mm	10 mm ² AWG 8	4.3	12 mm
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