

## Features

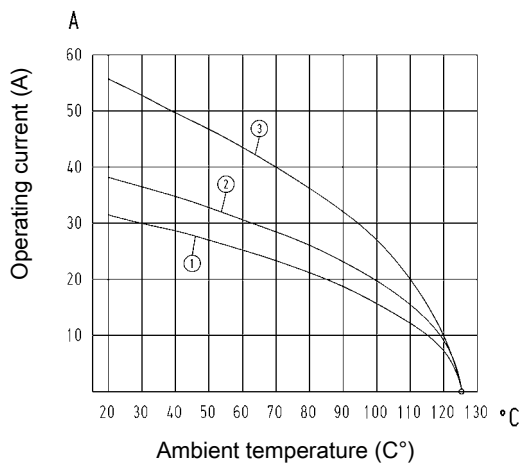
- Standard module for power up to 40 A
- No special tools required for axial-screw termination

## 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 24 B hoods/housings with 6 modules Wire cross section 4 mm<sup>2</sup>
- ② 24 B hoods/housings with 6 modules Wire cross section 6 mm<sup>2</sup>
- ③ 24 B hoods/housings with 6 modules Wire cross section 10 mm<sup>2</sup>

## Technical characteristics

Contacts	3
Electrical data acc. to IEC 61984	<b>40 A 690 V 8 kV 3</b>
Rated current	40 A
Rated voltage	690 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current acc. to UL	40 A
Rated voltage acc. to UL	600 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
Material (insert)	polycarbonate
Colour (insert)	RAL 7032 (light grey)
Material (contact)	copper alloy
Hex key	SW 2

## Specifications and approvals

IEC 60664-1  
IEC 61984



## Details

**Crimping tools** see chapter 90

### Remarks on the crimp technique


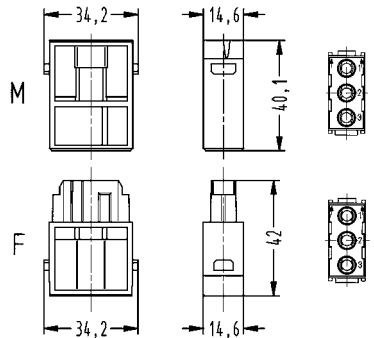

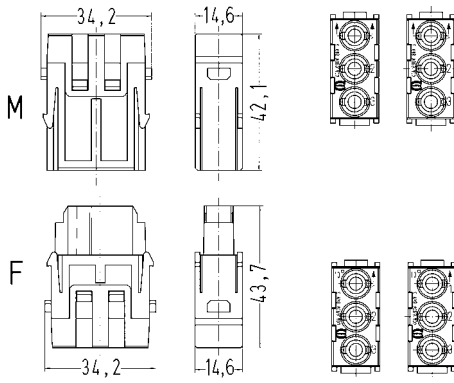

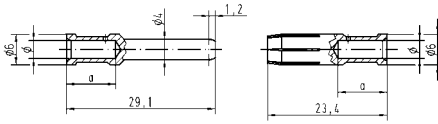
The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.

Number of contacts

# 3

690 V  
40 A

Han-  
Modular

Identification	Wire cross section (mm <sup>2</sup> )	Part number		Drawing Dimensions in mm																				
		male	female																					
Han-Modular®, Han® C module, Crimp terminal    Please order crimp contacts separately.		09 14 003 3001	09 14 003 3101	  Contact arrangement (view from termination side)																				
Han-Modular®, Han® C module, Axial screw terminal, silver plated contacts, contact resistance ≤0.3 mOhm  	2.5–8 6–10	09 14 003 2601 09 14 003 2602	09 14 003 2701 09 14 003 2702	  Stripping length <table border="1" data-bbox="1157 1523 1460 1579"> <tr> <td>mm<sup>2</sup></td> <td>2,5</td> <td>4</td> <td>6</td> <td>10</td> </tr> <tr> <td>mm</td> <td>5<sup>+1</sup></td> <td>5<sup>+1</sup></td> <td>8<sup>+1</sup></td> <td>11<sup>+1</sup></td> </tr> </table> Tightening torque <table border="1" data-bbox="1157 1601 1460 1657"> <tr> <td>mm<sup>2</sup></td> <td>2,5</td> <td>4</td> <td>6</td> <td>10</td> </tr> <tr> <td>Nm</td> <td>1,5</td> <td>1,5</td> <td>2</td> <td>2</td> </tr> </table>	mm <sup>2</sup>	2,5	4	6	10	mm	5 <sup>+1</sup>	5 <sup>+1</sup>	8 <sup>+1</sup>	11 <sup>+1</sup>	mm <sup>2</sup>	2,5	4	6	10	Nm	1,5	1,5	2	2
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Han® C, Crimp contact, silver plated contacts, contact resistance ≤1 mOhm  	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" data-bbox="1005 1870 1460 2004"> <thead> <tr> <th>Wire gauge</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75</td> <td>9.5 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25</td> <td>9.5 mm</td> </tr> <tr> <td>4 mm<sup>2</sup> AWG 12</td> <td>2.85</td> <td>9.5 mm</td> </tr> <tr> <td>6 mm<sup>2</sup> AWG 10</td> <td>3.5</td> <td>9.5 mm</td> </tr> <tr> <td>10 mm<sup>2</sup> AWG 8</td> <td>4.3</td> <td>12 mm</td> </tr> </tbody> </table>	Wire gauge	∅	Stripping length	1.5 mm <sup>2</sup> AWG 16	1.75	9.5 mm	2.5 mm <sup>2</sup> AWG 14	2.25	9.5 mm	4 mm <sup>2</sup> AWG 12	2.85	9.5 mm	6 mm <sup>2</sup> AWG 10	3.5	9.5 mm	10 mm <sup>2</sup> AWG 8	4.3	12 mm		
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