

## Features

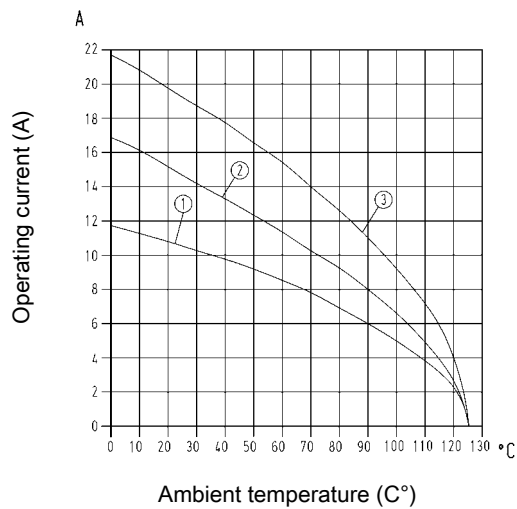
- Suitable for Han D® crimp contacts
- PE contact with Han-Quick Lock® termination technology
- 16 coding options without loss of contacts

## 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 0.75 mm<sup>2</sup>
- ② Wire cross section 1.5 mm<sup>2</sup>
- ③ Wire cross section 2.5 mm<sup>2</sup>

## Technical characteristics

Contacts	12/0
Electrical data acc. to IEC 61984	<b>blue slide</b> <b>10 A 400 V 6 kV 3</b> <b>black slide</b> <b>10 A 400 V 6 kV 3</b>
Rated current	10 A
Rated voltage	400 V
Rated impulse voltage	6 kV
Pollution degree	3
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

## Specifications and approvals

IEC 60664-1  
IEC 61984



## Details

**Crimping tools** see chapter 90

### Remarks on the crimp technique


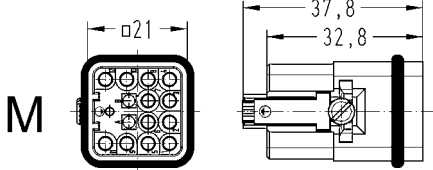
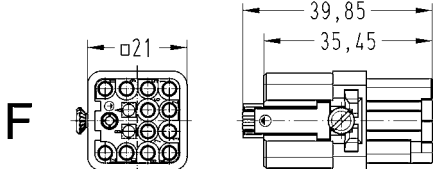


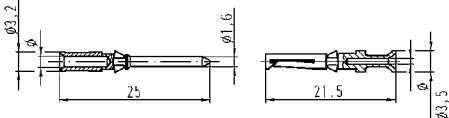
The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.


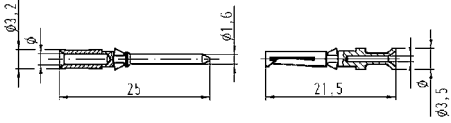

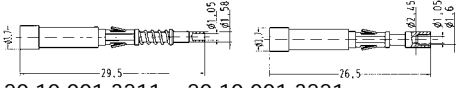
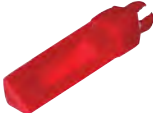
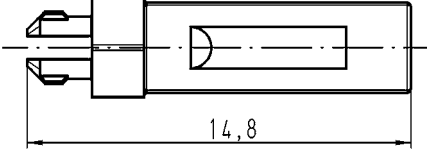
By using in Han® 3 A HPR hoods/housings the sealing on the insert has to be removed.

Number of contacts

# 12/0+

400 V  
10 A

Identification	Wire cross section (mm <sup>2</sup> )	Part number		Drawing Dimensions in mm																					
		male	female																						
<p> Han-Quick Lock® Han® Q, Crimp termination/Han-Quick Lock®, blue slide</p>  <p>Please order crimp contacts separately.</p>		09 12 012 3001	09 12 012 3101	<p><b>M</b></p>  <p><b>F</b></p>  <p>PE contact : Wire cross section blue slide 0.5 ... 2.5 PE contact : Wire cross section black slide 0.25 ... 1.5</p>																					
<p> Han-Quick Lock® Han® Q, Crimp termination/Han-Quick Lock®, black slide</p>  <p>Please order crimp contacts separately.</p>		09 12 012 3004	09 12 012 3104																						
<p>Han D®, Crimp contact, gold plated contacts, contact resistance ≤3 mOhm</p> 	0.14–0.37 0.5 0.75 1 1.5 2.5	09 15 000 6124 09 15 000 6123 09 15 000 6125 09 15 000 6122 09 15 000 6121 09 15 000 6126	09 15 000 6224 09 15 000 6223 09 15 000 6225 09 15 000 6222 09 15 000 6221 09 15 000 6226	 <table border="1"> <thead> <tr> <th>Wire gauge</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Wire gauge	∅	Stripping length	0.14-0.37 mm <sup>2</sup> AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup> AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup> AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup> AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup> AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	6 mm
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2.5	09 15 000 6106	09 15 000 6206																							
F.O. contact for 1 mm plastic fibre 		20 10 001 3211	20 10 001 3221	 20 10 001 3211 + 20 10 001 3221																					
Coding element, plastic Range of delivery: 20 pieces per frame 		09 12 000 9924	09 12 000 9924																						

Han Q