

## Features

- Han-Quick Lock® or Crimp terminal available
- High contact density

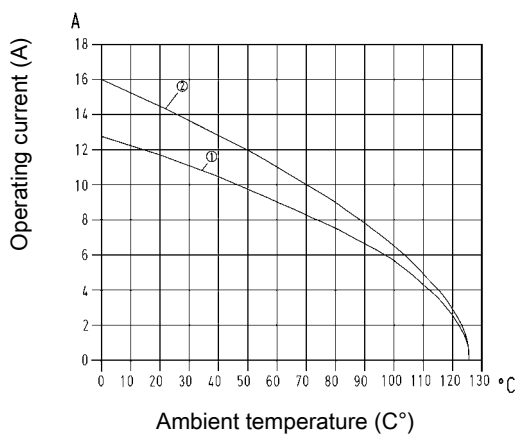
## Derating

### 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.

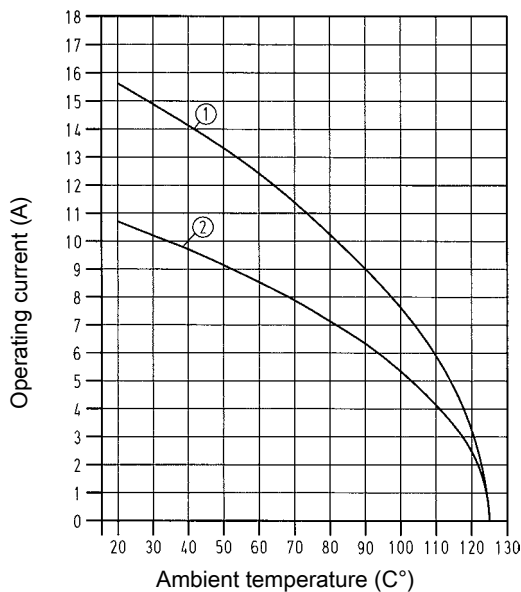
Measuring and testing techniques acc. to IEC 60512-5-2

#### Quick Lock termination



- ① 24 B hoods/housings with 6 modules Wire cross section 2.5 mm<sup>2</sup>
- ② 24 B hoods/housings with 6 modules Wire cross section 1.5 mm<sup>2</sup>

#### Crimp terminal



- ① 24 B hoods/housings with 6 modules Wire cross section 2.5 mm<sup>2</sup>
- ② 24 B hoods/housings with 6 modules Wire cross section 1.5 mm<sup>2</sup>

## Technical characteristics

|                                     |   |
|-------------------------------------|---|
| Contacts                            | 8   |
| Electrical data acc. to IEC 61984   | <b>blue slide</b><br><b>16 A 400 V 6 kV 3</b><br><b>black slide</b><br><b>16 A 400 V 6 kV 3</b><br><b>16 A 400 V 6 kV 3</b> |
| Rated current                       | 16 A  |
| Rated voltage                       | 400 V   |
| Rated impulse voltage               | 6 kV  |
| Pollution degree                    | 3   |
| 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  |
| Mating cycles with HMC contacts     | ≥10000  |
| 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

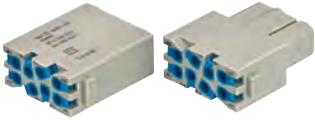
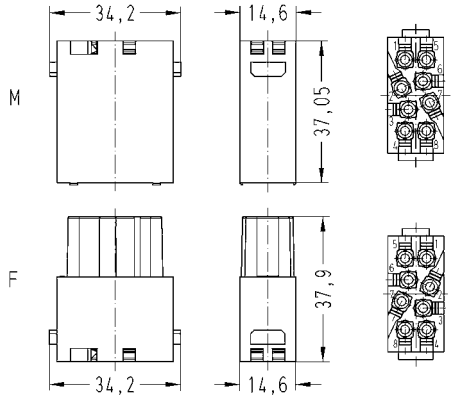
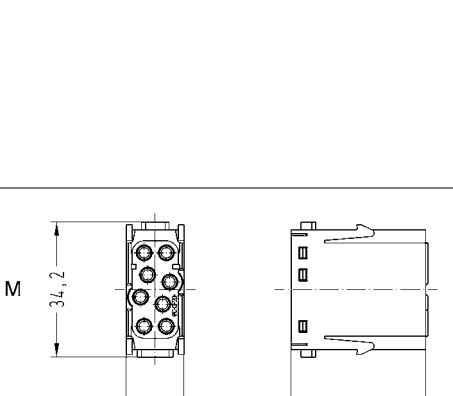

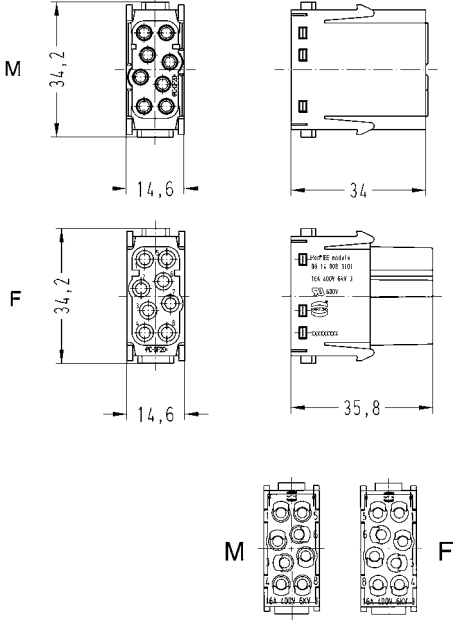
The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.

Designed for 10,000 mating cycles (only with Han E® HMC crimp contacts, Han-Modular® Docking frame and Han-Modular® Hinged frame HMC)

Number of contacts

# 8

400 V  
16 A

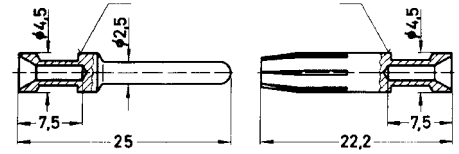
| Identification  | Wire cross section (mm <sup>2</sup> ) | Part number    |                | Drawing<br>Dimensions in mm   |
|---|---------------------------------------|----------------|----------------|---|
|   |                                       | male           | female         |   |
| <p><b>Han-Quick Lock®</b><br/>Han-Modular®,<br/>Han® EE module,<br/>Han-Quick Lock® termination,<br/>blue slide,<br/>silver plated contacts,<br/>contact resistance ≤1 mOhm</p>  | 0.5 – 2.5                             | 09 14 008 2633 | 09 14 008 2733 |  <p>Contact arrangement (view from termination side)</p>  |
| <p><b>Han-Quick Lock®</b><br/>Han® EE module,<br/>Han-Quick Lock® termination,<br/>black slide,<br/>silver plated contacts,<br/>contact resistance ≤1 mOhm</p>  | 0.25 – 1.5                            | 09 14 008 2634 | 09 14 008 2734 |  <p>Contact arrangement (view from termination side)</p> |
| <p>Han-Modular®,<br/>Han® EE module,<br/>Crimp terminal</p>  <p>Please order crimp contacts separately.</p>  |                                       | 09 14 008 3001 | 09 14 008 3101 |  <p>Contact arrangement (view from termination side)</p> |

Han-Modular

| Identification   | Wire cross section (mm <sup>2</sup> ) | Part number    |                |
|--|---------------------------------------|----------------|----------------|
|  |                                       | male           | female         |
| Han E®,<br>Crimp contact,<br>gold plated contacts,<br>contact resistance ≤1 mOhm | 0.14–0.37                             | 09 33 000 6117 | 09 33 000 6217 |
|  | 0.5                                   | 09 33 000 6122 | 09 33 000 6222 |
|  | 0.75                                  | 09 33 000 6115 | 09 33 000 6215 |
|  | 1                                     | 09 33 000 6118 | 09 33 000 6218 |
|  | 1.5                                   | 09 33 000 6116 | 09 33 000 6216 |
|  | 2.5                                   | 09 33 000 6123 | 09 33 000 6223 |
|  | 4                                     | 09 33 000 6119 | 09 33 000 6221 |



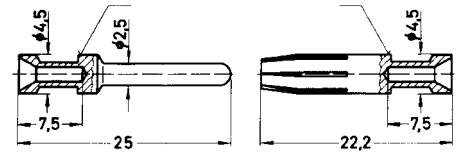
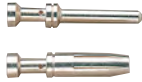
Drawing  
Dimensions in mm



| Identification | Wire gauge                          | Stripping length |
|----------------|-------------------------------------|------------------|
| no groove      | 0.14–0.37 mm <sup>2</sup> AWG 26–22 | 7.5 mm           |
| no groove      | 0.5 mm <sup>2</sup> AWG 20          | 7.5 mm           |
| 1 groove*      | 0.75 mm <sup>2</sup> AWG 18         | 7.5 mm           |
| 1 groove       | 1 mm <sup>2</sup> AWG 18            | 7.5 mm           |
| 2 grooves      | 1.5 mm <sup>2</sup> AWG 16          | 7.5 mm           |
| 3 grooves      | 2.5 mm <sup>2</sup> AWG 14          | 7.5 mm           |
| wide groove    | 3 mm <sup>2</sup> AWG 12            | 7.5 mm           |
| no groove      | 4 mm <sup>2</sup> AWG 12            | 7.5 mm           |

\* on the back crimp collar

| Identification   | Wire cross section (mm <sup>2</sup> ) | Part number    |                |
|--|---------------------------------------|----------------|----------------|
|  |                                       | male           | female         |
| Han E®,<br>Crimp contact,<br>silver plated contacts,<br>contact resistance ≤1 mOhm | 0.14–0.37                             | 09 33 000 6127 | 09 33 000 6227 |
|  | 0.5                                   | 09 33 000 6121 | 09 33 000 6220 |
|  | 0.75                                  | 09 33 000 6114 | 09 33 000 6214 |
|  | 1                                     | 09 33 000 6105 | 09 33 000 6205 |
|  | 1.5                                   | 09 33 000 6104 | 09 33 000 6204 |
|  | 2.5                                   | 09 33 000 6102 | 09 33 000 6202 |
|  | 3                                     | 09 33 000 6106 | 09 33 000 6206 |
|  | 4                                     | 09 33 000 6107 | 09 33 000 6207 |



| Identification | Wire gauge                          | Stripping length |
|----------------|-------------------------------------|------------------|
| no groove      | 0.14–0.37 mm <sup>2</sup> AWG 26–22 | 7.5 mm           |
| no groove      | 0.5 mm <sup>2</sup> AWG 20          | 7.5 mm           |
| 1 groove*      | 0.75 mm <sup>2</sup> AWG 18         | 7.5 mm           |
| 1 groove       | 1 mm <sup>2</sup> AWG 18            | 7.5 mm           |
| 2 grooves      | 1.5 mm <sup>2</sup> AWG 16          | 7.5 mm           |
| 3 grooves      | 2.5 mm <sup>2</sup> AWG 14          | 7.5 mm           |
| wide groove    | 3 mm <sup>2</sup> AWG 12            | 7.5 mm           |
| no groove      | 4 mm <sup>2</sup> AWG 12            | 7.5 mm           |

\* on the back crimp collar

Han-Modular