
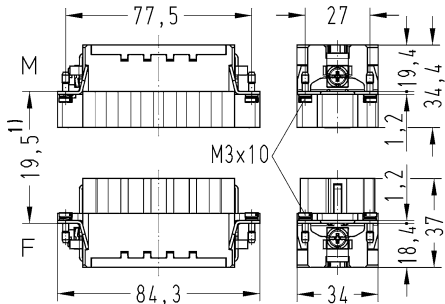
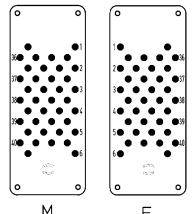
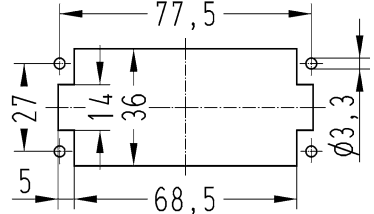


Number of contacts

40+

16 A 500 V 6 kV 3

Han E/
EE

| Identification | Conductor cross-section (mm ²) | Part number | | Drawing (dimensions in mm) |
|--|--|----------------|----------------|---|
| | | Male | Female | |
| Han® EEE, Crimp termination  Please order crimp contacts separately. | 0.14 ... 4 | 09 32 040 3001 | 09 32 040 3101 |  <p>1) distance for contact max. 21 mm</p>  <p>Contact arrangement (view from termination side)</p>  <p>Panel cut out</p> |

Technical characteristics

| | |
|------------------------|---|
| Contact resistance | ≤1 mΩ |
| Material (contacts) | Copper alloy |
| Material (accessories) | Thermoplastic |
| RoHS | compliant with exemption, compliant |
| RoHS exemptions | 6c: Copper alloy containing up to 4 % lead by weight |

Specifications and approvals

EN 60664-1
IEC 61984

Details


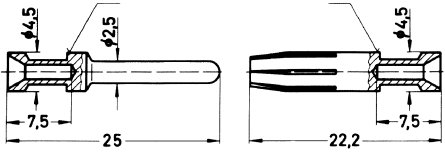

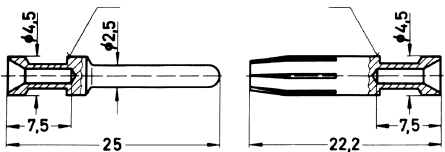
Crimping tools see chapter 90

Remarks on the crimp technique

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

Coding pin

Use of the coding pin prevents incorrect mating to other connectors of the same type. The male pin should be omitted from the opposing cavity in the male insert.

| Identification | Conductor cross-section (mm ²) | Part number | | Drawing (dimensions in mm) | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|----------------|---|-------------------------|----------------|---------------------------|-----------|-----------|---------------------|--------|-----------|----------------------|--------|-----------|-------------------|--------|----------|---------------------|--------|-----------|---------------------|--------|-----------|-------------------|--------|-------------|-------------------|--------|-----------|
| | | Male | Female | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Han E®, Crimp contact, Contact surface: Silver plated  | 0.14 ... 0.37 | 09 33 000 6127 | 09 33 000 6227 |  <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Identification</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm²</td> <td>AWG 26-22</td> <td>no groove</td> </tr> <tr> <td>0.5 mm²</td> <td>AWG 20</td> <td>no groove</td> </tr> <tr> <td>0.75 mm²</td> <td>AWG 18</td> <td>1 groove*</td> </tr> <tr> <td>1 mm²</td> <td>AWG 18</td> <td>1 groove</td> </tr> <tr> <td>1.5 mm²</td> <td>AWG 16</td> <td>2 grooves</td> </tr> <tr> <td>2.5 mm²</td> <td>AWG 14</td> <td>3 grooves</td> </tr> <tr> <td>3 mm²</td> <td>AWG 12</td> <td>wide groove</td> </tr> <tr> <td>4 mm²</td> <td>AWG 12</td> <td>no groove</td> </tr> </tbody> </table> <p>* on the back crimp collar Stripping length 7.5 mm</p> | Conductor cross-section | Identification | 0.14-0.37 mm ² | AWG 26-22 | no groove | 0.5 mm ² | AWG 20 | no groove | 0.75 mm ² | AWG 18 | 1 groove* | 1 mm ² | AWG 18 | 1 groove | 1.5 mm ² | AWG 16 | 2 grooves | 2.5 mm ² | AWG 14 | 3 grooves | 3 mm ² | AWG 12 | wide groove | 4 mm ² | AWG 12 | no groove |
| | Conductor cross-section | Identification | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0.14-0.37 mm ² | AWG 26-22 | no groove | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0.5 mm ² | AWG 20 | no groove | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0.75 mm ² | AWG 18 | 1 groove* | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 mm ² | AWG 18 | 1 groove | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1.5 mm ² | AWG 16 | 2 grooves | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2.5 mm ² | AWG 14 | 3 grooves | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 mm ² | AWG 12 | wide groove | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 mm ² | AWG 12 | no groove | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Han E®, Crimp contact, Contact surface: Gold plated  | 0.14 ... 0.37 | 09 33 000 6117 | 09 33 000 6217 |  <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Identification</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm²</td> <td>AWG 26-22</td> <td>no groove</td> </tr> <tr> <td>0.5 mm²</td> <td>AWG 20</td> <td>no groove</td> </tr> <tr> <td>0.75 mm²</td> <td>AWG 18</td> <td>1 groove*</td> </tr> <tr> <td>1 mm²</td> <td>AWG 18</td> <td>1 groove</td> </tr> <tr> <td>1.5 mm²</td> <td>AWG 16</td> <td>2 grooves</td> </tr> <tr> <td>2.5 mm²</td> <td>AWG 14</td> <td>3 grooves</td> </tr> <tr> <td>3 mm²</td> <td>AWG 12</td> <td>wide groove</td> </tr> <tr> <td>4 mm²</td> <td>AWG 12</td> <td>no groove</td> </tr> </tbody> </table> <p>* on the back crimp collar Stripping length 7.5 mm</p> | Conductor cross-section | Identification | 0.14-0.37 mm ² | AWG 26-22 | no groove | 0.5 mm ² | AWG 20 | no groove | 0.75 mm ² | AWG 18 | 1 groove* | 1 mm ² | AWG 18 | 1 groove | 1.5 mm ² | AWG 16 | 2 grooves | 2.5 mm ² | AWG 14 | 3 grooves | 3 mm ² | AWG 12 | wide groove | 4 mm ² | AWG 12 | no groove |
| | Conductor cross-section | Identification | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0.14-0.37 mm ² | AWG 26-22 | no groove | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0.5 mm ² | AWG 20 | no groove | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0.75 mm ² | AWG 18 | 1 groove* | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 mm ² | AWG 18 | 1 groove | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1.5 mm ² | AWG 16 | 2 grooves | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2.5 mm ² | AWG 14 | 3 grooves | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 mm ² | AWG 12 | wide groove | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 mm ² | AWG 12 | no groove | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Identification | Conductor cross-section (mm ²) | Part number | | Drawing (dimensions in mm) |
|--|--|--|----------------|----------------------------|
| | | Male | Female | |
| Han E®, Crimp contact, Relay contact, Contact surface: Silver plated | 0.75 ... 1 1.5 2.5 | 09 33 000 6109 09 33 000 6110 09 33 000 6111 | | |
| FO contact, for 1 mm plastic fibre | | 20 10 001 3311 | 20 10 001 3321 | |
| Han E® Han® EE Han® EEE, Coding pin | | | 09 33 000 9954 | |
| for crimp inserts only With loss of one contact | | | | |

Han E/
EE

Features

- Highest density of crimping contacts
- Coded insert
- Gold and silver contacts available

Technical characteristics

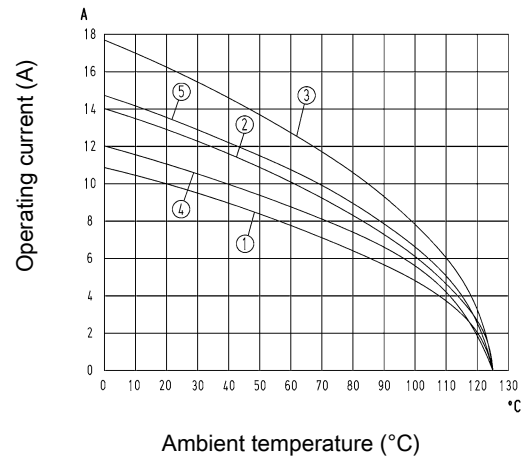
| | |
|---|------------------------|
| Number of contacts | 40, 64 |
| Rated current | 16 A |
| Rated voltage | 500 V |
| Rated impulse voltage | 6 kV |
| Pollution degree | 3 |
| Insulation resistance | $\geq 10^{10} \Omega$ |
| Limiting temperature | -40 ... +125 °C |
| Mating cycles | ≥ 500 |
| Material (insert) | Polycarbonate |
| Colour (insert) | RAL 7032 (pebble grey) |
| Material flammability class acc. to UL 94 | V-0 |
| RoHS | compliant |

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 Han® 64 EEE / 1.5 mm²
- ② Han® 64 EEE / 2.5 mm²
- ③ Han® 64 EEE / 4 mm²
- ④ Han® 40 EEE / 1.5 mm²
- ⑤ Han® 40 EEE / 2.5 mm²

Specifications and approvals

EN 60664-1
IEC 61984
UL 1977 ECBT2.E235076
CSA-C22.2 No. 182.3 ECBT8.E235076

Details

Internal use in the switch cabinet in conjunction with Han-Snap® (see chapter 11)

Suitable for hoods/housings of series Han® B, Han® M, Han® EMC, Han® HPR, Han® Easy Hood (see chapter 31)

Tightening torque 0.5 Nm

Tightening torque PE screw 1.2 Nm