## Accessories

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<td>Han 80.41</td>
</tr>
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### Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Sub 1, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector</td>
<td>09 20 000 9932</td>
<td><img src="image" alt="D-Sub 1 Drawing" /></td>
</tr>
<tr>
<td>D-Sub 2, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector</td>
<td>09 20 000 9928</td>
<td><img src="image" alt="D-Sub 2 Drawing" /></td>
</tr>
<tr>
<td>D-Sub 3, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector</td>
<td>09 20 000 9929</td>
<td><img src="image" alt="D-Sub 3 Drawing" /></td>
</tr>
</tbody>
</table>

### Details

- Not suitable for D-Sub High Density!
D-Sub adapter

Identification

- D-Sub 3 in the Han® 10 A,
- D-Sub 4 in the Han® 16 A,
- Adapter plate,
- for 1 x D-Sub,
- Metal.

Pack contents:
- Two-piece adapter,
- 2 fixing screws for adapter,
- 2 fixing screws for D-Sub connector.

Part number

09 20 000 9925

Drawing (dimensions in mm)

[Dimensions shown in the image]
## Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Sub 5, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector</td>
<td>09 20 000 9931</td>
<td><img src="image1" alt="Drawing" /></td>
</tr>
<tr>
<td>D-Sub 3 in the Han® 10 A, D-Sub 4 in the Han® 16 A, Adapter plate, for 1 x D-Sub, Metal, Pack contents: Two-piece adapter, 2 fixing screws for adapter, 2 fixing screws for D-Sub connector</td>
<td>09 20 000 9925</td>
<td><img src="image2" alt="Drawing" /></td>
</tr>
</tbody>
</table>

### Details

- Material (accessories): Thermoplastic, Metal
- RoHS compliant
- Not suitable for D-Sub High Density!
### D-Sub adapter

**Size 6 B**

#### Technical characteristics

| Material (accessories) | Thermoplastic
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS</td>
<td>compliant</td>
</tr>
</tbody>
</table>

#### Details

- Not suitable for D-Sub High Density!

#### Identification

<table>
<thead>
<tr>
<th>Identification</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Sub 1,</td>
<td>09 30 000 9965</td>
<td><img src="image1.png" alt="Diagram" /></td>
</tr>
<tr>
<td>Adapter plate, for 1 x D-Sub,</td>
<td></td>
<td>① Mounting in housing: character A visible ② Mounting in hood: character T visible  D-Sub 1: a=44; b=51.5; c=25  D-Sub 2: a=44; b=51.5; c=33.3</td>
</tr>
<tr>
<td>Pack contents:</td>
<td>1 adapter,</td>
<td>4 fixing screws for adapter,</td>
</tr>
<tr>
<td></td>
<td>2 fixing screws for D-Sub connector</td>
<td></td>
</tr>
</tbody>
</table>

| D-Sub 2,      | 09 30 000 9966 | ![Diagram](image2.png) |
| Adapter plate, for 1 x D-Sub, | | ① Mounting in housing: character A visible ② Mounting in hood: character T visible  D-Sub 1: a=44; b=51.5; c=25  D-Sub 2: a=44; b=51.5; c=33.3 |
| Pack contents: | 1 adapter, | 4 fixing screws for adapter, |
|  | 2 fixing screws for D-Sub connector | |

| D-Sub 1,      | 09 30 000 9970 | ![Diagram](image3.png) |
| Adapter plate, for 2x D-Sub, | | ① Mounting in housing: character A visible ② Mounting in hood: character T visible  D-Sub 1x 1: a=44; b=51.5; c=25  D-Sub 2x 2: a=44; b=51.5; c=33.3 |
| Pack contents: | 1 adapter, | 4 fixing screws for adapter, |
|  | 4 fixing screws for D-Sub connector | |

| D-Sub 2,      | 09 30 000 9971 | ![Diagram](image4.png) |
| Adapter plate, for 2x D-Sub, | | ① Mounting in housing: character A visible ② Mounting in hood: character T visible  D-Sub 2x 1: a=44; b=51.5; c=25  D-Sub 2x 2: a=44; b=51.5; c=33.3 |
| Pack contents: | 1 adapter, | 4 fixing screws for adapter, |
|  | 4 fixing screws for D-Sub connector | |
### D-Sub adapter

#### Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Sub 3, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector</td>
<td>09 30 000 9967</td>
<td><img src="image1" alt="Drawing" /></td>
</tr>
<tr>
<td>D-Sub 3, Adapter plate, for 2x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 4 fixing screws for D-Sub connector</td>
<td>09 30 000 9972</td>
<td><img src="image2" alt="Drawing" /></td>
</tr>
</tbody>
</table>

#### Details

- Not suitable for D-Sub High Density!

---

**Material (accessories):** Thermoplastic

**RoHS:** compliant

---

**Technical characteristics:**

- **Material (accessories):** Thermoplastic
- **RoHS:** compliant

---

**Details:**

- Not suitable for D-Sub High Density!
## Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
</table>
| D-Sub 4, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector | 09 30 000 9968 | ![D-Sub 4 Adapter Plate Drawing](image)

   ① Mounting in housing: character A visible  
   ② Mounting in hood: character T visible  
   D-Sub 4: a=77.5; b=85; c=63.5

| D-Sub 5, Adapter plate, for 1 x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 2 fixing screws for D-Sub connector | 09 30 000 9969 | ![D-Sub 5 Adapter Plate Drawing](image)

   ① Mounting in housing: character A visible  
   ② Mounting in hood: character T visible  
   D-Sub 5: a=77.5; b=85; c=61.1

| D-Sub 4, Adapter plate, for 2x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 4 fixing screws for D-Sub connector | 09 30 000 9973 | ![D-Sub 4 Adapter Plate Drawing](image)

   ① Mounting in housing: character A visible  
   ② Mounting in hood: character T visible  
   D-Sub 2x 4: a=77.5; b=85; c=63.5

| D-Sub 5, Adapter plate, for 2x D-Sub, Pack contents: 1 adapter, 4 fixing screws for adapter, 4 fixing screws for D-Sub connector | 09 30 000 9974 | ![D-Sub 5 Adapter Plate Drawing](image)

   ① Mounting in housing: character A visible  
   ② Mounting in hood: character T visible  
   D-Sub 2x 5: a=77.5; b=85; c=61.1

## Details

- Not suitable for D-Sub High Density!
## Locking levers

Double locking lever

### Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Material flammability class acc. to UL 94 (locking levers)</th>
<th>RoHS compliant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han® A®, Han-Easy Lock®, Locking levers, RAL 7037 (dust grey)</td>
<td>32 A</td>
<td>09 00 000 5223</td>
<td>V-0</td>
<td>Yes</td>
</tr>
<tr>
<td>Han® B, Han-Easy Lock®, Locking levers, RAL 7037 (dust grey)</td>
<td>10/16/24 B</td>
<td>09 00 000 5221</td>
<td>V-0</td>
<td>Yes</td>
</tr>
<tr>
<td>RAL 7037 (dust grey)</td>
<td>32 B</td>
<td>09 00 000 5231</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Material (accessories): Polycarbonate, Stainless steel
- Colour (accessories): RAL 7037 (dust grey)
- Technical characteristics: Material flammability class acc. to UL 94 (locking levers) V-0
- RoHS compliant
## Locking levers

Single locking lever

### Technical characteristics

<table>
<thead>
<tr>
<th>Material (accessories)</th>
<th>Colour (accessories)</th>
<th>Drawing (dimensions in mm)</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermoplastic, Polycarbonate, Stainless steel</td>
<td>RAL 7032 (pebble grey), Black, RAL 7037 (dust grey)</td>
<td>Han-Compact®</td>
<td>09 00 000 5244</td>
</tr>
</tbody>
</table>

### Identification

<table>
<thead>
<tr>
<th>Locking levers, RAL 7032 (pebble grey)</th>
<th>3 A</th>
<th>09 00 000 5241</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locking levers, Black</td>
<td>3 A</td>
<td>09 00 000 5242</td>
</tr>
<tr>
<td>Locking levers, Han® Q 8/0, Black</td>
<td>Han-Compact®</td>
<td>09 00 000 5244</td>
</tr>
<tr>
<td>Han® A®, Han-Easy Lock®, Locking levers, RAL 7037 (dust grey)</td>
<td>10 A</td>
<td>09 00 000 5224</td>
</tr>
<tr>
<td></td>
<td>16 A</td>
<td>09 00 000 5225</td>
</tr>
<tr>
<td>Han® B, Han-Easy Lock®, Locking levers, RAL 7037 (dust grey)</td>
<td>06 B</td>
<td>09 00 000 5222</td>
</tr>
<tr>
<td></td>
<td>10 B</td>
<td>09 00 000 5228</td>
</tr>
<tr>
<td></td>
<td>16 B</td>
<td>09 00 000 5229</td>
</tr>
<tr>
<td></td>
<td>24 B</td>
<td>09 00 000 5230</td>
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</tbody>
</table>
# Seals

## Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han A®, Flange gasket</td>
<td>03 A</td>
<td>09 20 000 9991</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 A</td>
<td>09 20 000 9992</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 A</td>
<td>09 20 000 9993</td>
<td></td>
</tr>
<tr>
<td></td>
<td>32 A</td>
<td>09 20 000 9994</td>
<td></td>
</tr>
<tr>
<td>Han® B, Flange gasket</td>
<td>06 B</td>
<td>09 30 000 9991</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 B</td>
<td>09 30 000 9992</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 B</td>
<td>09 30 000 9993</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 B</td>
<td>09 30 000 9994</td>
<td></td>
</tr>
<tr>
<td>Han® B, Flange gasket, Self-retaining</td>
<td>06 B</td>
<td>09 30 000 9801</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 B</td>
<td>09 30 000 9802</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 B</td>
<td>09 30 000 9803</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 B</td>
<td>09 30 000 9804</td>
<td></td>
</tr>
<tr>
<td>Flange gasket, 48 HPR, Han-Drive®, Modular Compact</td>
<td>09 30 000 9996</td>
<td>09 30 000 9903</td>
<td>09 14 000 9940</td>
</tr>
<tr>
<td>Flange gasket, Han® HPR</td>
<td>03 HPR</td>
<td>09 40 000 9980</td>
<td></td>
</tr>
<tr>
<td></td>
<td>06 HPR</td>
<td>09 40 000 9801</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 HPR</td>
<td>09 40 000 9802</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 HPR</td>
<td>09 40 000 9803</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 HPR</td>
<td>09 40 000 9804</td>
<td></td>
</tr>
<tr>
<td>Han A®, Flange gasket, FPM</td>
<td>03 A</td>
<td>09 37 000 9912</td>
<td></td>
</tr>
<tr>
<td>Han® M, Flange gasket, FPM</td>
<td>06 B</td>
<td>09 37 000 9946</td>
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<tr>
<td></td>
<td>10 B</td>
<td>09 37 000 9947</td>
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</tr>
<tr>
<td></td>
<td>16 B</td>
<td>09 37 000 9948</td>
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</tr>
<tr>
<td></td>
<td>24 B</td>
<td>09 37 000 9949</td>
<td></td>
</tr>
</tbody>
</table>

### Technical characteristics

- **Material (seal):** NBR, FPM
- **Colour (seal):** Black, Light grey
- **RoHS compliant:** Yes
## Seals

### Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han A®, Profile gasket</td>
<td>03 A</td>
<td>09 70 000 9991</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 A</td>
<td>09 20 000 9996</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 A</td>
<td>09 20 000 9997</td>
<td></td>
</tr>
<tr>
<td>Han® B, Profile gasket</td>
<td>06 B</td>
<td>09 30 000 9941</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 B</td>
<td>09 30 000 9942</td>
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</tr>
<tr>
<td></td>
<td>16 B</td>
<td>09 30 000 9943</td>
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<tr>
<td></td>
<td>24 B</td>
<td>09 30 000 9944</td>
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<tr>
<td></td>
<td>32 B</td>
<td>09 30 000 9963</td>
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<td></td>
<td>48 B</td>
<td>09 30 000 9995</td>
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</tr>
<tr>
<td>O-ring rubber seal, Han® HPR</td>
<td>03 HPR</td>
<td>09 40 000 9910</td>
<td></td>
</tr>
<tr>
<td></td>
<td>06 HPR</td>
<td>09 40 000 9911</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 HPR</td>
<td>09 40 000 9912</td>
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<tr>
<td></td>
<td>16 HPR</td>
<td>09 40 000 9913</td>
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</tr>
<tr>
<td></td>
<td>24 HPR</td>
<td>09 40 000 9914</td>
<td></td>
</tr>
<tr>
<td>L-seal</td>
<td>06 B</td>
<td>09 30 000 9936</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 B</td>
<td>09 30 000 9935</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 B</td>
<td>09 30 000 9934</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 B</td>
<td>09 30 000 9933</td>
<td></td>
</tr>
<tr>
<td>Profile gasket, FPM</td>
<td>03 A</td>
<td>09 21 000 9906</td>
<td></td>
</tr>
<tr>
<td></td>
<td>06 B</td>
<td>09 30 000 9951</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 B</td>
<td>09 30 000 9952</td>
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<tr>
<td></td>
<td>16 B</td>
<td>09 30 000 9953</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 B</td>
<td>09 30 000 9954</td>
<td></td>
</tr>
</tbody>
</table>

### Technical characteristics

| Material (seal) | NBR, FPM
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour (seal)</td>
<td>Black, RAL 7001 (silver-grey)</td>
</tr>
<tr>
<td>RoHS</td>
<td>compliant</td>
</tr>
</tbody>
</table>

---

Han 180

11
Features

- Cable to cable connection simple to realise and easy to mount
- Resistant elastomer
- Locking as well as seal combined in one system
- for two lever locking system

Technical characteristics

- Limiting temperature: -40 ... +85 °C
- Degree of protection acc. to IEC 60529: IP65, in locked position
- Colour (hood/housing): Black
- RoHS compliant

Identification

<table>
<thead>
<tr>
<th>Identification</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locking element, for hoods</td>
<td>09 30 016 9901</td>
<td></td>
</tr>
</tbody>
</table>
# Panel feed through housings

Standard hoods/housings for industrial connectors  
Double locking lever

## Features

- Allows the entry of pre-assembled cables into a switch cabinet  
- Robust design  
- High pole cable entry seals for up to 10 different cables  
- For sealing and feed through of pre-assembled cables

## Technical characteristics

<table>
<thead>
<tr>
<th>Limiting temperature</th>
<th>-40 ... +125 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree of protection acc. to IEC</td>
<td>IP65 60529</td>
</tr>
<tr>
<td>Material (hood/housing)</td>
<td>Aluminium die-cast</td>
</tr>
<tr>
<td>Material (seal)</td>
<td>NBR</td>
</tr>
</tbody>
</table>

## Identification

<table>
<thead>
<tr>
<th>Identification</th>
<th>Cable entry</th>
<th>Size</th>
<th>Part number</th>
<th>High construction</th>
<th>Drawing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han® B, Panel feed through housing, Top entry, Pack contents: 2 split hood halves, 2x M4 screw</td>
<td>2x</td>
<td>10 B</td>
<td>09 30 010 0498</td>
<td><a href="#">High construction</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3x</td>
<td>16 B</td>
<td>09 30 016 0498</td>
<td><a href="#">Drawing</a></td>
<td></td>
</tr>
<tr>
<td>Han® B, Panel feed through housing, Top entry, Pack contents: 2 split hood halves, 3x M4 screw</td>
<td>4x</td>
<td>24 B</td>
<td>09 30 024 0498</td>
<td><a href="#">High construction</a></td>
<td></td>
</tr>
</tbody>
</table>

Please order cable entry seals separately.
## Panel feed through housings

### Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Clamping range (mm)</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable entry seal, 4 cable entries, Wide version</td>
<td>... 6</td>
<td>09 00 000 6004</td>
<td><img src="image1" alt="Drawing" /></td>
</tr>
<tr>
<td>Cable entry seal, 1 cable entry, Narrow version</td>
<td>4.5 ... 6 / 6 ... 7.5 / 7.5 ... 9</td>
<td>09 00 000 6005 / 09 00 000 6006 / 09 00 000 6007</td>
<td><img src="image2" alt="Drawing" /></td>
</tr>
<tr>
<td>Cable entry seal, 1 cable entry, Wide version</td>
<td>9 ... 10.5 / 10.5 ... 12 / 12 ... 13.5 / 13.5 ... 15 / 15 ... 16</td>
<td>09 00 000 6008 / 09 00 000 6009 / 09 00 000 6010 / 09 00 000 6011 / 09 00 000 6012</td>
<td><img src="image3" alt="Drawing" /></td>
</tr>
<tr>
<td>Dummy plugs, Narrow version</td>
<td></td>
<td>09 00 000 6101</td>
<td><img src="image4" alt="Drawing" /></td>
</tr>
<tr>
<td>Dummy plugs, Wide version</td>
<td></td>
<td>09 00 000 6102</td>
<td><img src="image5" alt="Drawing" /></td>
</tr>
</tbody>
</table>

### Technical characteristics

- **Material (accessories):** NBR
- **Colour (accessories):** Black
Panel feed through housings

Standard hoods/housings for industrial connectors
Double locking lever

Features
- Allows the entry of pre-assembled cables into a switch cabinet
- Use of identification strips is possible
- No special tools required
- Standard screw driver (5 x 1 mm) necessary to open split hood
- IP54 due to continuos contoured seal

Technical characteristics
- Limiting temperature: -40 ... +125 °C
- Degree of protection acc. to IEC 60529:
  - IP54, when mounted vertically,
  - IP65
- Type rating acc. to UL 50 / UL 50E:
  - 4, 4X, 12
- Material (hood/housing):
  - Polycarbonate
- Colour (hood/housing):
  - RAL 7037 (dust grey)
- RoHS compliant

Specifications and approvals
- UL 1977 ECBT2.E235076
- CSA-C22.2 No. 182.3 ECBT8.E235076

<table>
<thead>
<tr>
<th>Identification</th>
<th>Cable entry</th>
<th>Cable diameter (mm)</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
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<tbody>
<tr>
<td>Han® B, Panel feed through housing, Top entry, Pack contents: 2 split hood halves</td>
<td>3x Integrated 4x Integrated</td>
<td>17.6 17.8</td>
<td>16 B 24 B</td>
<td>09 30 016 0408 09 30 024 0408</td>
<td><img src="image1.png" alt="Drawing" /> 09 30 016 0301 Han® 16 B See chapter 31</td>
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<td>Han-Snap®, Identification strip, Pack contents: Single</td>
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<td>17.6 17.8</td>
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## Technical characteristics

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<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
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<td>4 ... 5</td>
<td>09 00 000 5352</td>
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<td></td>
<td>5 ... 6</td>
<td>09 00 000 5353</td>
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<td>6 ... 7</td>
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<td>7 ... 8</td>
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<td>9 ... 10</td>
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<td>Cable entry seal,</td>
<td>10 ... 11</td>
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<td>Additional strain relief can be</td>
<td>11 ... 12</td>
<td>09 00 000 5359</td>
<td></td>
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<tr>
<td>provided by cable ties (max. width</td>
<td>12 ... 13</td>
<td>09 00 000 5360</td>
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<td>8 mm)</td>
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<td>14 ... 15</td>
<td>09 00 000 5362</td>
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<td></td>
<td>15 ... 16</td>
<td>09 00 000 5363</td>
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</tr>
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<td>09 00 000 5364</td>
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</tr>
<tr>
<td>for ASI cable</td>
<td></td>
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<tr>
<td>Dummy plugs</td>
<td></td>
<td>09 00 000 5350</td>
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</tr>
<tr>
<td>Dummy plugs, for part number 09 00</td>
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<td>09 00 000 6103</td>
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<td>000 6004</td>
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## Technical characteristics

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<tr>
<th>Identification</th>
<th>Drawing (dimensions in mm)</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set of seals for ribbon cable entry, With strain relief clamp, for 1 flat cable</td>
<td><img src="image1.png" alt="Diagram" /></td>
<td>09 00 000 5315</td>
</tr>
<tr>
<td>Set of seals for ribbon cable entry, With strain relief clamp, for 2 flat cables</td>
<td><img src="image2.png" alt="Diagram" /></td>
<td>09 00 000 5316</td>
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<tr>
<td>Set of seals for ribbon cable entry, With strain relief clamp, for 3 flat cables</td>
<td><img src="image3.png" alt="Diagram" /></td>
<td>09 00 000 5317</td>
</tr>
<tr>
<td>Holder for ribbon cable entry, for separate mounting</td>
<td><img src="image4.png" alt="Diagram" /></td>
<td>09 00 000 5325</td>
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<table>
<thead>
<tr>
<th>Technical characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material (seal)</td>
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<tr>
<td>Colour (seal)</td>
</tr>
<tr>
<td>RoHS compliant</td>
</tr>
</tbody>
</table>

- **Identification**
- **Part number**
- **Drawing**
- **Material (seal)** NBR
- **Colour (seal)** Black
- **RoHS compliant**

---

Han 80 17
Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Clamping range (mm)</th>
<th>Part number</th>
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<tbody>
<tr>
<td>Han® CGM-Ex i, Cable gland, Intrinsically safe electric circuits, Blue</td>
<td>M20</td>
<td>5 ... 9</td>
<td>19 00 000 7101</td>
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<td></td>
<td>M20</td>
<td>6 ... 12</td>
<td>19 00 000 7102</td>
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<td>M25</td>
<td>9 ... 16</td>
<td>19 00 000 7104</td>
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<td></td>
<td>M32</td>
<td>13 ... 20</td>
<td>19 00 000 7106</td>
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<td></td>
<td>M40</td>
<td>22 ... 32</td>
<td>19 00 000 7109</td>
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<td>Han® CGM-P, Cable gland, Grey</td>
<td>M20</td>
<td>5 ... 9</td>
<td>19 00 000 5180</td>
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<td></td>
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<td>6 ... 12</td>
<td>19 00 000 5182</td>
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<td>M20</td>
<td>10 ... 14</td>
<td>19 00 000 5184</td>
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<td>M25</td>
<td>9 ... 16</td>
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<td>M25</td>
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<td>M40</td>
<td>22 ... 32</td>
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<tr>
<td>Han® CGM-P, Cable gland, Black</td>
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<td>5 ... 9</td>
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<td>M40</td>
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Specifications and approvals

- Material flammability class acc. to UL 94
- RoHS compliant

DNV GL
UL 514B QCRV.E479780
CSA-C22.2 No. 18.3 QCRV7.E479780
## Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Clamping range (mm)</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han® CGM-M, Cable gland</td>
<td>M20</td>
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<tr>
<td></td>
<td>M20</td>
<td>5 ... 12</td>
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<td>M20</td>
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</tr>
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<td></td>
<td>M20</td>
<td>10 ... 14</td>
<td>19 00 000 5084</td>
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<td>9 ... 16</td>
<td>19 00 000 5090</td>
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<tr>
<td></td>
<td>M50</td>
<td>32 ... 36</td>
<td>19 00 000 5086</td>
</tr>
</tbody>
</table>

| Limiting temperature | -40 ... +100 °C |
| Degree of protection acc. to IEC | IP68, IP69 / IPX9K acc. to ISO 20653 |
| Material (seal) | NBR |
| Material (cable glands) | Brass, nickel plated |
| Material (clamping ring) | Polyamide |
| RoHS | compliant with exemption |
| RoHS exemptions | 6c: Copper alloy containing up to 4 % lead by weight |

## Specifications and approvals

<table>
<thead>
<tr>
<th>Specifications and approvals</th>
<th>UL 514B QCRV.E479780</th>
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</thead>
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<tr>
<td>CSA-C22.2 No. 18.3 QCRV7.E479780</td>
<td></td>
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<tr>
<td>DNV GL</td>
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</table>

### Accessoires

#### Cable glands

#### Technical characteristics

- **Limiting temperature**: -40 ... +100 °C
- **Degree of protection acc. to IEC**: IP68, IP69 / IPX9K acc. to ISO 20653
- **Material (seal)**: NBR
- **Material (cable glands)**: Brass, nickel plated
- **Material (clamping ring)**: Polyamide
- **RoHS**: compliant with exemption
- **RoHS exemptions**: 6c: Copper alloy containing up to 4 % lead by weight

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Clamping range (mm)</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han® CGM-M, Cable gland</td>
<td>M20</td>
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<td>19 00 000 5080</td>
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<tr>
<td></td>
<td>M20</td>
<td>5 ... 12</td>
<td>19 00 000 5081</td>
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<tr>
<td></td>
<td>M20</td>
<td>6 ... 12</td>
<td>19 00 000 5082</td>
</tr>
<tr>
<td></td>
<td>M20</td>
<td>10 ... 14</td>
<td>19 00 000 5084</td>
</tr>
<tr>
<td></td>
<td>M25</td>
<td>9 ... 16</td>
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<td>M50</td>
<td>32 ... 36</td>
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### Diagram

![Diagram of Han® CGM-M, Cable gland](image)

- **Outer cable Ø**: 5 ... 32 mm
- **SW**: 22 ... 57
- **E**: 24 ... 60
- **Nm**: 10 ... 24

---

Han®
80
19
## Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Clamping range (mm)</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
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<tbody>
<tr>
<td>Cable gland, EMC version</td>
<td>M20</td>
<td>4 ... 6.5</td>
<td>19 62 000 5081</td>
<td>cable-D D 6.5 ... 9.5 22 24.4 3.5 ... 8.5</td>
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<td>7 ... 10.5</td>
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<td>M20</td>
<td>9 ... 13</td>
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<td></td>
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<td>19 62 000 5090</td>
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<td>9 ... 13</td>
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<td>11.5 ... 15.5</td>
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<td>17 ... 20.5 43 47.3 15 ... 20</td>
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<td>20 ... 25</td>
<td>19 62 000 5098</td>
<td>20 ... 25 43 47.3 15 ... 20</td>
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</table>

Degree of protection acc. to IEC IP68

Material (cable glands) Metal

RoHS compliant with exemption

RoHS exemptions 6c: Copper alloy containing up to 4 % lead by weight

### Cable glands

**Accessories**

**Technical characteristics**

- **Degree of protection acc. to IEC:** IP68
- **Material (cable glands):** Metal
- **RoHS:** Compliant with exemption
- **RoHS exemptions:**
  - 6c: Copper alloy containing up to 4 % lead by weight
# Cable glands

## Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Reduced size</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han A®, Adapter, for motor connection</td>
<td>M20</td>
<td>19 20 000 9962</td>
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<td>Dummy plugs</td>
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<td>M40</td>
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### Technical characteristics

- **Material (accessories):** Thermoplastic, Metal
- **Colour (accessories):** Black
- **RoHS:** compliant
- **RoHS exemptions:** 6c: Copper alloy containing up to 4% lead by weight

### Technical characteristics

- **Material:** Thermoplastic, Metal
- **Colour:** Black
- **RoHS:** compliant with exemption, compliant
- **RoHS exemptions:** 6c: Copper alloy containing up to 4% lead by weight
## Cable glands

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Reduced size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
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<tbody>
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<td>M32</td>
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<td>M25</td>
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<td>Dummy plugs, With O-ring</td>
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- M20: SW 22; E 25.4
- M25: SW 28; E 32.3
- M32: SW 35; E 40.4
- M40: SW 44; E 50.8
# Shielding frame

## Technical characteristics

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<th>Part number</th>
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<td>06 B</td>
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<td>09 00 000 5207</td>
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<td>Han DD®</td>
<td>16 B</td>
<td>09 00 000 5208</td>
<td><a href="#">Diagram</a></td>
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<td>Han-Snap®,</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>for bulkhead mounted housings,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>for hoods, high construction,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pack contents:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ground terminal frame with M4 screws for fixing at insert</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han E®</td>
<td>24 B</td>
<td>09 00 000 5210</td>
<td><a href="#">Diagram</a></td>
</tr>
<tr>
<td>Han® EE</td>
<td>24 B</td>
<td>09 00 000 5280</td>
<td><a href="#">Diagram</a></td>
</tr>
<tr>
<td>Han DD®</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Han-Snap®,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shielding frame,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>for bulkhead mounted housings,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>for hoods, high construction,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24 B,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pack contents:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ground terminal frame with M4 screws for fixing at insert</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Material (accessories)
Steel, zinc plated

## RoHS compliant
## Shielding frame

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han-Modular®, Shielding frame, for bulkhead mounted housings</td>
<td>06 B</td>
<td>09 00 000 5256</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 B</td>
<td>09 00 000 5257</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 B</td>
<td>09 00 000 5258</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 B</td>
<td>09 00 000 5211</td>
<td></td>
</tr>
<tr>
<td>Han-Modular®, Shielding frame, for hoods, high construction</td>
<td>24 B</td>
<td>09 00 000 5298</td>
<td></td>
</tr>
<tr>
<td>Han-Quintax®, Shielding frame, for bulkhead mounted housings, for hoods, high construction</td>
<td>24 B</td>
<td>09 00 000 5235</td>
<td></td>
</tr>
<tr>
<td>Han-Modular®, PE bracket, for bulkhead mounted housings, for hoods, high construction</td>
<td>24 B</td>
<td>09 00 000 5209</td>
<td></td>
</tr>
</tbody>
</table>
## Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Cable diameter (mm)</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clamp, for shield frames</td>
<td>5</td>
<td>09 00 000 5341</td>
<td><img src="image" alt="Cable diameter 5 mm" /></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>09 00 000 5342</td>
<td><img src="image" alt="Cable diameter 10 mm" /></td>
</tr>
</tbody>
</table>

Material (accessories): Steel, zinc plated

RoHS compliant

**Shielding frame**
## Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grip frame</td>
<td>16 B</td>
<td>09 00 016 5603</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 B</td>
<td>09 00 024 5601</td>
<td></td>
</tr>
<tr>
<td>Grip frame,</td>
<td>16 B</td>
<td>09 00 016 5612</td>
<td></td>
</tr>
<tr>
<td>With screw adapter and</td>
<td>24 B</td>
<td>09 00 024 5611</td>
<td></td>
</tr>
<tr>
<td>screw to use in</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>connection with 09 00 000 5602</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Can only be used with screw adapter!

Material (accessories) | Metal
Surface (accessories)  | Zinc plated
RoHS                   | compliant
Grip frames

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han-Modular®, Grip frame, With screw adapter and screw to use in connection with 09 00 000 5602</td>
<td>06 B</td>
<td>09 00 006 5605</td>
<td><img src="image.png" alt="Diagram" /></td>
</tr>
<tr>
<td></td>
<td>10 B</td>
<td>09 00 010 5605</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 B</td>
<td>09 00 016 5605</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 B</td>
<td>09 00 024 5605</td>
<td></td>
</tr>
</tbody>
</table>
## Grip frames

### Features
- Grip frame suitable for Han® 64 D / Han® 108 DD / Han® 24 E / Han® 24 ES / Han® 24 ESS / Han® 46 EE
- Multiple shield connections via grip frame
- Cable can be fixed with clamps or cable tie

### Technical characteristics
- Material (accessories): Zinc die-cast
- Surface (accessories): Copper-plated, Nickel plated
- RoHS: Compliant

### Identification

<table>
<thead>
<tr>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 00 000 5602</td>
<td><img src="image1.png" alt="Drawing 1" /></td>
</tr>
<tr>
<td>09 00 000 5603</td>
<td><img src="image2.png" alt="Drawing 2" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>44</td>
</tr>
<tr>
<td>b</td>
<td>38</td>
</tr>
<tr>
<td>10 B</td>
<td>67</td>
</tr>
<tr>
<td>16 B</td>
<td>77.5</td>
</tr>
<tr>
<td>24 B</td>
<td>104</td>
</tr>
<tr>
<td>32 B</td>
<td>135</td>
</tr>
<tr>
<td>40 B</td>
<td>165</td>
</tr>
<tr>
<td>50 B</td>
<td>205</td>
</tr>
</tbody>
</table>

### Accessories

- Grip frames

- **Features**: Grip frame suitable for Han® 64 D / Han® 108 DD / Han® 24 E / Han® 24 ES / Han® 24 ESS / Han® 46 EE
  - Multiple shield connections via grip frame
  - Cable can be fixed with clamps or cable tie

- **Technical characteristics**: Material (accessories): Zinc die-cast, Surface (accessories): Copper-plated, Nickel plated, RoHS: Compliant
## Coding of inserts in hoods/housings

### Technical characteristics

**RoHS** compliant with exemption

---

<table>
<thead>
<tr>
<th>Identification</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coding, With guide pins/bushes, for application &quot;insert with screw adapter&quot; with/without grip frame</td>
<td>09 33 000 9808</td>
<td><img src="image1.png" alt="Diagram 1" /></td>
</tr>
<tr>
<td>Coding, With guide pins/bushes, for application &quot;insert in hood/housing&quot;</td>
<td>09 33 000 9908</td>
<td><img src="image2.png" alt="Diagram 2" /></td>
</tr>
<tr>
<td>Han-Modular®, Coding, With guide pins/bushes, for application &quot;insert with screw adapter&quot; with/without grip frame</td>
<td>09 14 000 9981</td>
<td><img src="image3.png" alt="Diagram 3" /></td>
</tr>
</tbody>
</table>

**RoHS exemptions**

6a: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0.35% lead by weight.

---

Please order 4 pieces for one connector.
<table>
<thead>
<tr>
<th>Identification</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han-Modular®, Coding, With guide pins/bushes, for application “insert in hood/housing”</td>
<td>Male 09 14 000 9908</td>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td></td>
<td>Female 09 14 000 9909</td>
<td><img src="image" alt="Diagram" /></td>
</tr>
</tbody>
</table>

Please order 4 pieces for one connector.
Coding of inserts in hoods/housings

**Technical characteristics**

<table>
<thead>
<tr>
<th>Identification</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coding, With code pins, Han® B</td>
<td>09 30 000 9901</td>
<td>![Drawing for coding]</td>
</tr>
<tr>
<td>Please order 4 pieces for one connector.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Han-Modular®, Coding, With code pins</td>
<td>09 14 000 9901</td>
<td>![Drawing for Han-Modular]</td>
</tr>
<tr>
<td>Please order 4 pieces for one connector.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Technical characteristics**

RoHS compliant with exemption

**RoHS exemptions**

6a: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0.35 % lead by weight

Accessories

Coding of inserts in hoods/housings

Technical characteristics

RoHS compliant with exemption

**RoHS exemptions**

6a: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0.35 % lead by weight

Identification

Coding, With code pins, Han® B

Please order 4 pieces for one connector.

Han-Modular®, Coding, With code pins

Please order 4 pieces for one connector.

For hoods/housings with one insert/one frame:
- Code pin
- Fixing screw
- M - Male insert
- F - Female insert

For hoods/housings with two inserts/two frames:
## Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Material (accessories)</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han D®, Han DD®, Coding pin</td>
<td>Thermoplastic compliant</td>
<td>09 33 000 9915</td>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Only for crimp termination</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With loss of one contact</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Han E®, Han® EE, Han® EEE, Coding pin</td>
<td></td>
<td>09 33 000 9954</td>
<td></td>
</tr>
<tr>
<td>for crimp inserts only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With loss of one contact</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Details

**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.
Features

- Suitable for all inserts of the series Han E®, Han E® HMC, Han EE®, Han EE® HMC, Han EEE®, Han EEE® HMC, Han® ES, Han D® (size B), Han D® HMC, Han DD®, Han DD® HMC, Han-Com®, Han® HsB, Han-Modular®
- Due to the floating system of the docking frame the PE connection of the mounting base has to be installed separately.
- Inserts are protected against mechanical damage

Technical characteristics

- Mating cycles ≥500
- Mating cycles with other HMC components ≥10000
- Material (accessories) Stainless steel compliant with exemption
- RoHS
- RoHS exemptions 6a: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0.35 % lead by weight

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Docking frame,</td>
<td>06 B</td>
<td>09 30 006 1704</td>
<td><img src="image1" alt="Diagram" /></td>
</tr>
<tr>
<td>Pack contents:</td>
<td>10 B</td>
<td>09 30 010 1704</td>
<td></td>
</tr>
<tr>
<td>1 frame,</td>
<td>16 B</td>
<td>09 30 016 1704</td>
<td></td>
</tr>
<tr>
<td>4 cheese head shoulder screws (Steel, zinc plated) to fix the docking frame</td>
<td>24 B</td>
<td>09 30 024 1704</td>
<td></td>
</tr>
</tbody>
</table>

Pull-in-range x-axis: ± 1.5 mm
Pull-in-range y-axis: ± 1.5 mm

Distance for electrical and FO contacts max.
27 mm; for Han-Modular® series max. 26.5 mm
6 B: a=86; b=69
10 B: a=99; b=82
16 B: a=119.5; b=102.5
24 B: a=146; b=129

6 B: b= 69; e= 54.5; f= 84
10 B: b= 82; e= 67.5; f= 97
16 B: b= 102.5; e= 88; f= 117.5
24 B: b= 129; e= 114.5; f= 144

Han® docking frame
PE Multiple ground connection

Number of contacts

3+ ⬤

Features

- 3 PE-terminations
- Screws with ± head
- Self lifting washer
- Suitable for use with all inserts of the Han® 6 B to 24 B size (except Han® ESS-inserts)
- Suitable in hoods high construction

Technical characteristics

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of contacts</td>
<td>3</td>
</tr>
<tr>
<td>Contact resistance</td>
<td>≤3 mΩ</td>
</tr>
<tr>
<td>Material (contacts)</td>
<td>Copper alloy</td>
</tr>
<tr>
<td>RoHS</td>
<td>compliant</td>
</tr>
</tbody>
</table>

Details

The PE-multiple ground connection may be used to terminate three PE-wires on one connector. Each PE-wire can be terminated and removed separately.
(acc. VDE 0113 DIN EN 60204 Pt. 14.1.1)

Identification

<table>
<thead>
<tr>
<th>Identification</th>
<th>Conductor cross-section (mm²)</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE Multiple ground connection, Pack</td>
<td>0.5 ... 2.5</td>
<td>09 33 000 9992</td>
<td></td>
</tr>
<tr>
<td>contents: Distributor, Fixing screw</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M4 with washer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contact surface: Nickel plated</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Clamping range (mm)</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strain relief clamp, Angled, Pack contents: Strain relief clamp with 2 screws M3, Fixing screw M4 with washer</td>
<td>9 ... 19</td>
<td>09 00 000 5339</td>
<td></td>
</tr>
<tr>
<td>Strain relief clamp, Straight, Pack contents: Strain relief clamp with 2 screws M3, Fixing screw M4 with washer</td>
<td>9 ... 19</td>
<td>09 00 000 5340</td>
<td></td>
</tr>
</tbody>
</table>

## Details

When using inserts without hoods or housings and requiring a strain relief this system is suitable for all rectangular connectors of series Han DD®, Han® 40-64 D, Han E®, Han® ES, Han Hv E®, Han® Hv ES, Han® EE, Han® K 8/24. Fitted at the opposite end to the PE-termination.
## Special insert fixing screws

### Features
- Useable for inserts without hoods or housings and requiring a strain relief
- Suitable for all rectangular connectors of the Han® series Han® 6 B, 10 B, 16 B, 24 B

### Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bush</td>
<td>09 33 000 9912</td>
<td><img src="image" alt="Bush Diagram" /></td>
</tr>
<tr>
<td>Order 2 pieces for one connector.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Knurled screw</td>
<td>09 33 000 9910</td>
<td><img src="image" alt="Knurled Screw Diagram" /></td>
</tr>
<tr>
<td>Order 2 pieces for one connector.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Details
When using inserts without hoods or housings and requiring a locking facility this system is suitable for all rectangular connectors of the Han® series size 6 ... 24 B. For each connector we recommend two screw pins and two bushes as shown which are fitted diagonally to the inserts instead of the ordinary fixing screws. Holes for fixing to be drilled as shown.
### Technical characteristics

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han-Modular® Compact, Fixing screws</td>
<td>ST 2.9x9.5 F-H</td>
<td>09 12 000 9921</td>
<td></td>
</tr>
<tr>
<td>Fixing screws</td>
<td>M3</td>
<td>09 16 000 9903</td>
<td></td>
</tr>
<tr>
<td>Fixing screws, With seal, Han® 3 A</td>
<td>M3</td>
<td>09 20 000 9918</td>
<td></td>
</tr>
<tr>
<td>Fixing screws, Han® 3 A</td>
<td>M3</td>
<td>09 20 000 9995</td>
<td></td>
</tr>
<tr>
<td>Toggle locking screw, Han® 6/10/16/24 HPR</td>
<td></td>
<td>09 40 000 9931</td>
<td></td>
</tr>
<tr>
<td>Toggle locking screw, 3 HPR</td>
<td></td>
<td>09 40 000 9933</td>
<td></td>
</tr>
</tbody>
</table>

**Material (accessories):** Stainless steel compliant, compliant with exemption

**RoHS exemptions:**

- 6c: Copper alloy containing up to 4 % lead by weight
<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact screw, Han A®</td>
<td></td>
<td>09 30 000 9997</td>
<td></td>
</tr>
<tr>
<td>for PE in Han® Q 5/0, Q 7/0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PE screw, Han-Modular® hinged frames</td>
<td>M3</td>
<td>09 14 000 9953</td>
<td></td>
</tr>
<tr>
<td>PE screw, Han-Modular® hinged frames</td>
<td>M4</td>
<td>09 14 000 9954</td>
<td></td>
</tr>
<tr>
<td>PE screw, Han A®, Han® 15 D, Han® 25 D</td>
<td>M3.5</td>
<td>09 20 000 9919</td>
<td></td>
</tr>
<tr>
<td>PE screw</td>
<td>M4</td>
<td>09 33 000 9925</td>
<td></td>
</tr>
<tr>
<td>PE screw, Han-Com®, Han® HsB</td>
<td>M5</td>
<td>09 33 000 9926</td>
<td></td>
</tr>
<tr>
<td>Countersunk flat</td>
<td></td>
<td>09 70 000 9902</td>
<td></td>
</tr>
<tr>
<td>Countersunk flat, With seal</td>
<td></td>
<td>09 70 000 9905</td>
<td></td>
</tr>
<tr>
<td>Identification</td>
<td>Size</td>
<td>Part number</td>
<td>Drawing (dimensions in mm)</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>------</td>
<td>------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>Locking screw, 3 HPR</td>
<td>M4</td>
<td>09 40 000 9929</td>
<td></td>
</tr>
<tr>
<td>Locking screw, Han® 6/10/16/24 HPR</td>
<td>M6</td>
<td>09 40 000 9932</td>
<td></td>
</tr>
<tr>
<td>Locking screw, 48 HPR</td>
<td>M6</td>
<td>09 40 000 9937</td>
<td></td>
</tr>
</tbody>
</table>
**Technical characteristics**

<table>
<thead>
<tr>
<th>Limiting temperature</th>
<th>-40 ... +125 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree of protection acc. to IEC</td>
<td>IP65</td>
</tr>
<tr>
<td>Material (accessories)</td>
<td>Steel, zinc plated, Thermoplastic, Metal</td>
</tr>
<tr>
<td>RoHS</td>
<td>compliant, compliant with exemption</td>
</tr>
<tr>
<td>RoHS exemptions</td>
<td>6a: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0.35 % lead by weight</td>
</tr>
</tbody>
</table>

**Identification**

<table>
<thead>
<tr>
<th>Bearing pedestal, for Han® 10 A, 16 A, 32 A, 6 B, 10 B, 16 B, 24 B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han® A®, Protection cover, for bearing pedestal, Thermoplastic</td>
</tr>
<tr>
<td>Han® B, Protection cover, for bearing pedestal, Metal</td>
</tr>
<tr>
<td>Han® B, Protection cover, for bearing pedestal, Thermoplastic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 A</td>
<td>09 20 010 5410</td>
</tr>
<tr>
<td>16 A</td>
<td>09 20 016 5410</td>
</tr>
<tr>
<td>06 B</td>
<td>09 30 006 5403</td>
</tr>
<tr>
<td>10 B</td>
<td>09 30 010 5404</td>
</tr>
<tr>
<td>16 B</td>
<td>09 30 016 5404</td>
</tr>
<tr>
<td>24 B</td>
<td>09 30 024 5404</td>
</tr>
<tr>
<td>06 B</td>
<td>09 30 006 5410</td>
</tr>
<tr>
<td>10 B</td>
<td>09 30 010 5410</td>
</tr>
<tr>
<td>16 B</td>
<td>09 30 016 5410</td>
</tr>
<tr>
<td>24 B</td>
<td>09 30 024 5410</td>
</tr>
</tbody>
</table>
## Technical characteristics

<table>
<thead>
<tr>
<th>Material (accessories)</th>
<th>Technical characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal, Thermoplastic</td>
<td>RoHS compliant</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Han® B, Dust protection cover,</td>
<td>06 B</td>
<td>09 30 006 5401</td>
<td><img src="image" alt="Han® B, Dust protection cover, for hoods" /></td>
</tr>
<tr>
<td>for hoods, With board locks</td>
<td>10 B</td>
<td>09 30 010 5401</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 B</td>
<td>09 30 016 5401</td>
<td></td>
</tr>
<tr>
<td>Han® B, Dust protection cover,</td>
<td>10 B</td>
<td>09 30 010 5406</td>
<td><img src="image" alt="Han® B, Dust protection cover, for housings" /></td>
</tr>
<tr>
<td>for housings</td>
<td>16 B</td>
<td>09 30 016 5406</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 B</td>
<td>09 30 024 5406</td>
<td></td>
</tr>
<tr>
<td>Han® HPR, Dust protection cover,</td>
<td>03 HPR</td>
<td>09 40 003 5406</td>
<td><img src="image" alt="Han® HPR, Dust protection cover, for housings" /></td>
</tr>
<tr>
<td>for housings</td>
<td>06 HPR</td>
<td>09 40 006 5406</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 HPR</td>
<td>09 40 010 5406</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 HPR</td>
<td>09 40 016 5406</td>
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</tr>
<tr>
<td></td>
<td>24 HPR</td>
<td>09 40 024 5406</td>
<td></td>
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</tbody>
</table>
## Further accessories

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locking element, With cord, for Han® 10/16/24 B housings bulkhead mounting with Han-Easy Lock® double levers</td>
<td></td>
<td>09 30 000 9986</td>
<td><img src="image1.png" alt="Drawing" /> Length 120 mm</td>
</tr>
<tr>
<td>Locking element, With cord, for Han® 10/16/24 B with double metal levers</td>
<td></td>
<td>09 30 000 9987</td>
<td><img src="image2.png" alt="Drawing" /> Length 120 mm</td>
</tr>
<tr>
<td>Mounting frames, for standard hoods/housings</td>
<td>06 B</td>
<td>09 40 000 9921</td>
<td><img src="image3.png" alt="Drawing" /></td>
</tr>
<tr>
<td></td>
<td>10 B</td>
<td>09 40 000 9922</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 B</td>
<td>09 40 000 9923</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 B</td>
<td>09 40 000 9924</td>
<td></td>
</tr>
<tr>
<td>Frame, for custom test adapters, Pack contents: 2 assembly plates, 12 nuts for insertion</td>
<td></td>
<td>09 38 000 9901</td>
<td><img src="image4.png" alt="Drawing" /> Length 120 mm</td>
</tr>
<tr>
<td>Label, According to CSA-approval, Pack contents: 50 labels per sheet</td>
<td></td>
<td>09 30 000 9958</td>
<td><img src="image5.png" alt="Drawing" /> Length 120 mm</td>
</tr>
</tbody>
</table>
### Further accessories

<table>
<thead>
<tr>
<th>Identification</th>
<th>Size</th>
<th>Part number</th>
<th>Drawing (dimensions in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact lubricant DvDA, for Han® contacts, Pack contents: Vaporizer (40 ml), Handling instruction</td>
<td></td>
<td>09 99 000 0829</td>
<td></td>
</tr>
</tbody>
</table>

Applicable onto Han® contacts to reduce mating and unmating forces. Content: Preparation of perfluoropolyethers