### Crimp terminal with heat shrink tube

- Identification: Crimp terminal with heat shrink tube
- Order crimp contacts separately

<table>
<thead>
<tr>
<th>Identification</th>
<th>Male insert (M)</th>
<th>Female insert (F)</th>
<th>Drawing</th>
<th>Dimensions in mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 12 002 3052</td>
<td>09 12 002 3152</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Coding element

<table>
<thead>
<tr>
<th>Identification</th>
<th>Part number</th>
<th>Drawing</th>
<th>Dimensions in mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 12 000 9922</td>
<td>09 12 000 9922</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Wire gauge (mm²) vs. Part number

<table>
<thead>
<tr>
<th>Wire gauge (mm²)</th>
<th>Male contact</th>
<th>Female contact</th>
<th>Drawing</th>
<th>Dimensions in mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>09 32 000 6104</td>
<td>09 32 000 6204</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.5</td>
<td>09 32 000 6105</td>
<td>09 32 000 6205</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>09 32 000 6107</td>
<td>09 32 000 6207</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>09 32 000 6108</td>
<td>09 32 000 6208</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>09 32 000 6109</td>
<td>09 32 000 6209</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Power contacts

<table>
<thead>
<tr>
<th>Wire gauge (mm²)</th>
<th>ø</th>
<th>Stripping length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 mm²</td>
<td>AWG 16</td>
<td>1.75</td>
</tr>
<tr>
<td>2.5 mm²</td>
<td>AWG 14</td>
<td>2.25</td>
</tr>
<tr>
<td>4 mm²</td>
<td>AWG 12</td>
<td>2.85</td>
</tr>
<tr>
<td>6 mm²</td>
<td>AWG 10</td>
<td>3.5</td>
</tr>
<tr>
<td>10 mm²</td>
<td>AWG 8</td>
<td>4.3</td>
</tr>
</tbody>
</table>

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Han® Data Sheet 0604
### Features

- High current rated compact designed connector for hoods/housings size Han® 3 A
- Mating compatible to the axial screw version with 16 coding options
- Using of standard Han C crimp contacts and crimp tools which allows a cost optimised production of high quantities
- For high voltages, please use heat shrink tube
- Finger protected male and female contacts

**Remark**

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

### Technical characteristics

#### Inserts

- Number of contacts: 2 + PE
- Electrical data:
  - acc. to EN 61 984
  - 40 A
  - 830 V
  - 6 kV
  - 3
- Rated current: 40 A
- Rated voltage: 830 V
- Rated impulse voltage: 6 kV
- Pollution degree: 3
- Insulation resistance: ≥ 10¹⁰ Ω
- Material: polycarbonate
- Limiting temperatures: -40 °C ... 125 °C
- Flammability acc. to UL 94: V 0
- Mechanical working life:
  - - mating cycles: ≥ 500

#### Contacts

- Material: copper alloy
- Surface:
  - hard-silver plated: 3 μm Ag
- Contact resistance: ≤ 1 mΩ
- Crimp termination:
  - - mm²: 1.5 ... 10 mm²
  - - AWG: 16 ... 8
- Tools:
  - see chapter 99 in the main catalogue "Industrial Connectors Han®"

#### 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 according to DIN EN 60 512-5

![Current Carrying Capacity Graph](image)

- wire gauge: 2.5 mm²
- wire gauge: 4 mm²
- wire gauge: 6 mm²
- wire gauge: 10 mm²

#### Hoods/Housings

Selection of hoods/housings see Han® main catalogue chapter 30 / chapter 31

- Plastic hoods/housings
  - Material: polycarbonate
  - Flammability acc. to UL 94: V 0
  - Degree of protection acc. to DIN EN 60 529:
    - for coupled connector: IP 67
  - Metal hoods/housings
    - Material: zinc die-cast
    - Degree of protection acc. to DIN EN 60 529:
      - for coupled connector: IP 44

IP 67 is achieved with seal screw 09 20 000 9918