

Han D[®] / DD[®]



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Han
D/DD

Han[®] 7 D



Features

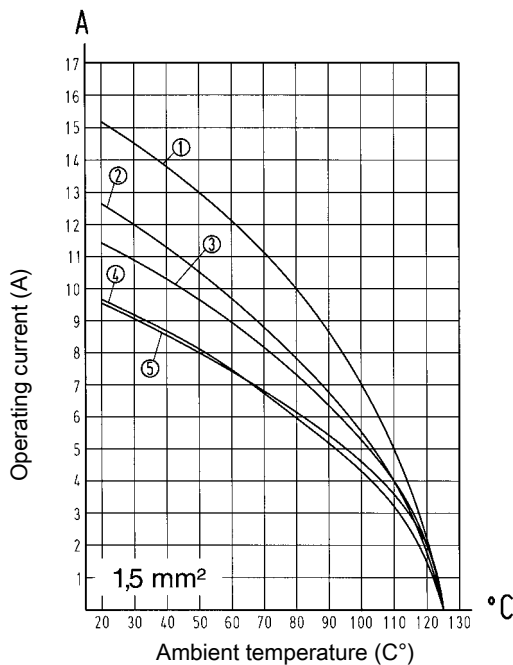
- Innovative Han-Quick Lock[®] termination technology with reduced wiring times
- Time saving rapid termination by use of crimping contacts
- For requirements up to 250 V / 10 A
- Gold and silver contacts available
- Suitable for thermo- and 1 mm F.O. contacts

Derating

Current carrying capacity

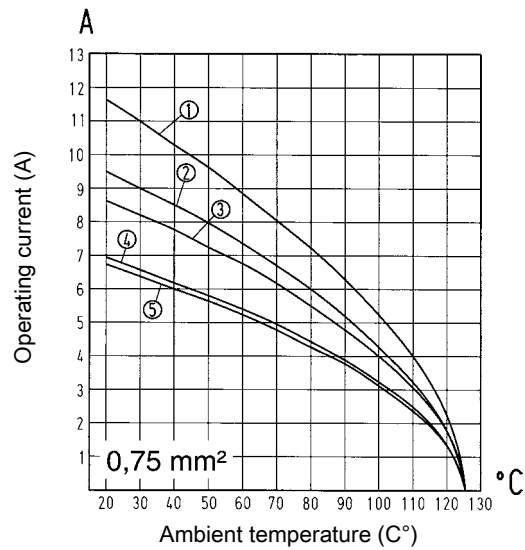
The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

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



- ① Han[®] 7 D
- ② Han[®] 15 D
- ③ Han[®] 25 D
- ④ Han[®] 40 D
- ⑤ Han[®] 64 D

Derating



- ① Han[®] 7 D
- ② Han[®] 15 D
- ③ Han[®] 25 D
- ④ Han[®] 40 D
- ⑤ Han[®] 64 D

Technical characteristics

| | |
|-------------------------------------|--------------------------|
| Contacts | 7 |
| Electrical data acc. to IEC 61984 | 10 A 250 V 4 kV 3 |
| Rated current | 10 A |
| Rated voltage | 250 V |
| Rated impulse voltage | 4 kV |
| Pollution degree | 3 |
| Rated voltage acc. to UL | 600 V |
| Insulation resistance | ≥10 ¹⁰ Ohm |
| Limiting temperatures | -40 °C ... 125 °C |
| Flammability (insert) acc. to UL 94 | HB |
| Mating cycles | ≥500 |
| Material (insert) | polyamide |
| Colour (insert) | RAL 7032 (light grey) |
| Material (seal) | NBR |
| Material (contact) | copper alloy |

Specifications and approvals

IEC 60664-1
IEC 61984
EN 175301-801



Han
D/DD

Han[®] 7 D

Size 3 A



Number of contacts

7+

250 V
10 A

Han
D/DD

| Identification | Wire cross section (mm ²) | Part number | | Drawing Dimensions in mm |
|--|---------------------------------------|----------------|----------------|---|
| | | male | female | |
| <p> Han-Quick Lock[®] Han D[®], Han-Quick Lock[®] termination, silver plated contacts, contact resistance ≤3 mOhm</p> <p>only for thermoplastic hoods/ housings</p> | 0.25 – 1.5 | 09 21 007 2632 | 09 21 007 2732 | <p>Contact arrangement (view from termination side)</p> |
| <p>Han D[®], Crimp terminal</p> <p>Please order crimp contacts separately. only for thermoplastic hoods/ housings</p> | | 09 21 007 3031 | 09 21 007 3131 | <p>Contact arrangement (view from termination side)</p> |

Han® 8 D



Features

- Innovative Han-Quick Lock® termination technology with reduced wiring times
- Time saving rapid termination by use of crimping contacts
- Gold and silver contacts available
- Insert suitable for metal hoods and housings size Han® 3 A
- High density of contacts

Han
D/DD

Technical characteristics

| | |
|-------------------------------------|---------------------------|
| Contacts | 8 |
| Electrical data acc. to IEC 61984 | 10 A 50 V 0.8 kV 3 |
| Rated current | 10 A |
| Rated voltage | 50 V |
| Rated impulse voltage | 0.8 kV |
| Pollution degree | 3 |
| Rated voltage AC | 50 V |
| Rated voltage DC | 120 V |
| Rated voltage acc. to UL | 50 V |
| Rated voltage acc. to CSA | 50 V |
| Insulation resistance | ≥10 ¹⁰ Ohm |
| Limiting temperatures | -40 °C ... 125 °C |
| Flammability (insert) acc. to UL 94 | HB |
| Mating cycles | ≥500 |
| Material (insert) | polyamide |
| Colour (insert) | RAL 7032 (light grey) |
| Material (seal) | NBR |
| Material (contact) | copper alloy |

Specifications and approvals

IEC 60664-1
IEC 61984
EN 175301-801



Han® 8 D

Size 3 A



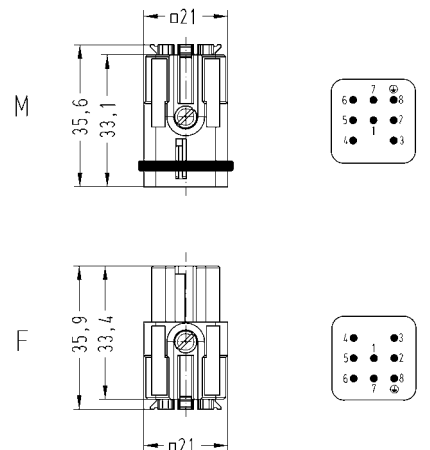

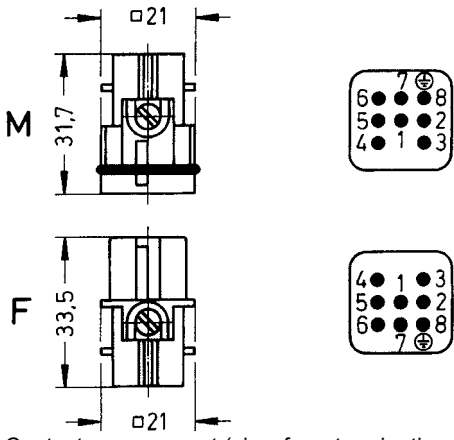


Number of contacts

8

~ 50 V
- 120 V
50 V
10 A

Han
D/DD

| Identification | Wire cross section (mm²) | Part number male female | | Drawing Dimensions in mm |
|---|--------------------------|----------------------------|----------------|---|
| <p> Han-Quick Lock® Han D®, Han-Quick Lock® termination, silver plated contacts, contact resistance ≤3 mOhm</p>  <p>for thermoplastics and metal hoods/housings</p> | 0.25 – 1.5 | 09 36 008 2632 | 09 36 008 2732 |  <p>Contact arrangement (view from termination side)</p> |
| <p>Han D®, Crimp terminal</p>  <p>Please order crimp contacts separately. for thermoplastics and metal hoods/housings</p> | | 09 36 008 3001 | 09 36 008 3101 |  <p>Contact arrangement (view from termination side)</p> |

Han® 15-128 D



Features

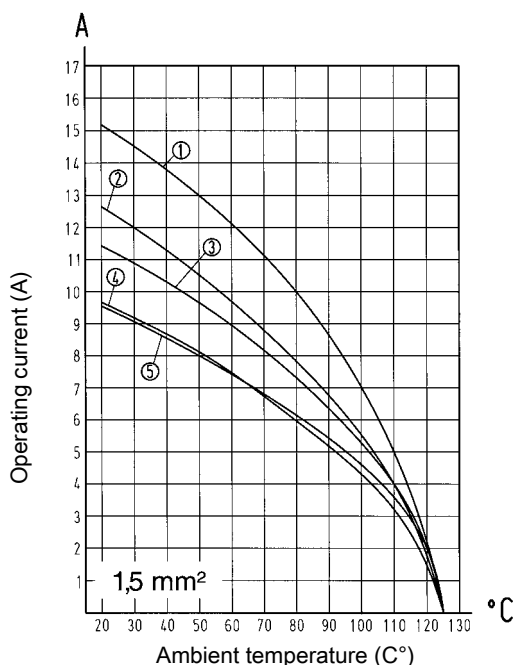
- High density of contacts
- For requirements up to 250 V / 10 A
- Time saving rapid termination by use of crimping contacts
- Gold and silver contacts available
- Suitable for thermo- and 1 mm F.O. contacts

Derating

Current carrying capacity

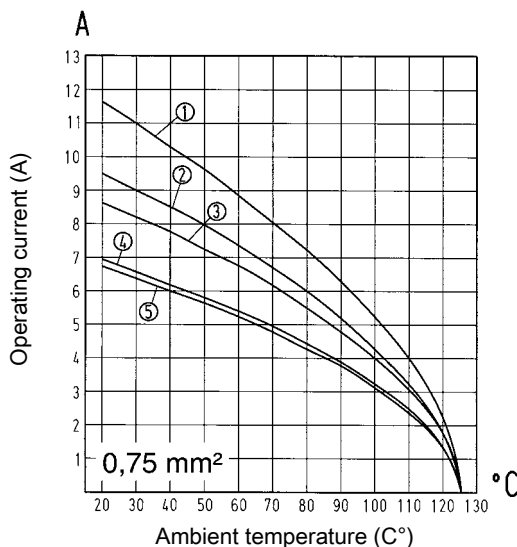
The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

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



- ① Han® 7 D
- ② Han® 15 D
- ③ Han® 25 D
- ④ Han® 40 D
- ⑤ Han® 64 D

Derating



- ① Han® 7 D
- ② Han® 15 D
- ③ Han® 25 D
- ④ Han® 40 D
- ⑤ Han® 64 D

Technical characteristics

| | |
|-------------------------------------|-----------------------------|
| Contacts | 15, 25, 40, 50, 64, 80, 128 |
| Electrical data acc. to IEC 61984 | 10 A 250 V 4 kV 3 |
| Rated current | 10 A |
| Rated voltage | 250 V |
| Rated impulse voltage | 4 kV |
| Pollution degree | 3 |
| Rated voltage acc. to UL | 600 V |
| Rated voltage acc. to CSA | 600 V |
| Insulation resistance | ≥10 ¹⁰ Ohm |
| Limiting temperatures | -40 °C ... 125 °C |
| Flammability (insert) acc. to UL 94 | HB, V 0 |
| Mating cycles | ≥500 |
| Material (insert) | polyamide, polycarbonate |
| Colour (insert) | RAL 7032 (light grey) |
| Dimensions wire wrap post | 1 x 1 mm, length 22 mm |
| Material (contact) | copper alloy |

Specifications and approvals

IEC 60664-1
IEC 61984
EN 175301-801



Details

Han® 40 and 64 D made of polycarbonate (flammability acc. to UL 94: V 0)

ATTENTION! Guide pins and bushes are prescribed (see chapter 80).


Han[®] 15 D

Size 10 A




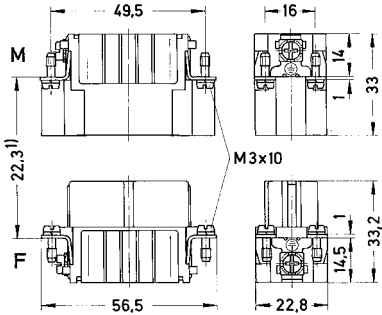
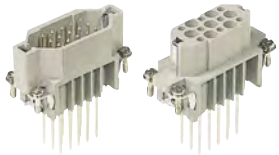
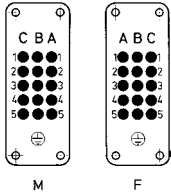
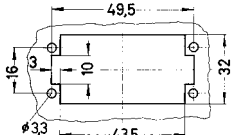
Number of contacts

15+



250 V
10 A

Han
D/DD

| Identification | Part number | | Drawing Dimensions in mm |
|---|----------------|----------------|---|
| | male | female | |
| <p>Han D[®], Crimp terminal</p>  <p>Please order crimp contacts separately.</p> | 09 21 015 3001 | 09 21 015 3101 |  <p>¹⁾ Distance for contact max. 24 mm</p> |
| <p>Han D[®], Wrap terminal, contact resistance ≤3 mOhm</p>  | 09 21 015 2601 | 09 21 015 2701 |  <p>Contact arrangement (view from termination side)</p>  <p>Panel cut out for inserts for use without hoods/housings</p> |

Han[®] 25 D

Size 16 A


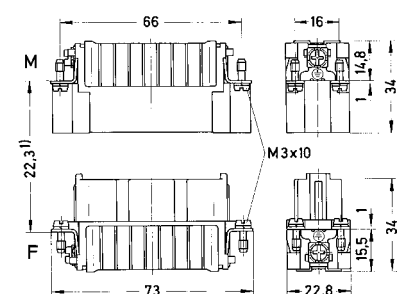
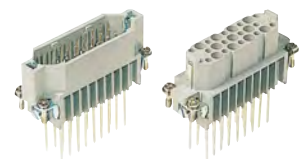
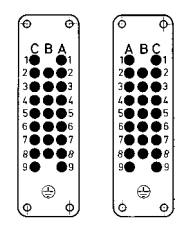
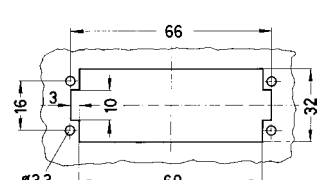


Number of contacts

25+

250 V
10 A

Han
D/DD

| Identification | Part number | | Drawing Dimensions in mm |
|--|----------------|----------------|---|
| | male | female | |
| Han D [®] , Crimp terminal  Please order crimp contacts separately. | 09 21 025 3001 | 09 21 025 3101 |  1) Distance for contact max. 24 mm |
| Han D [®] , Wrap terminal, contact resistance ≤3 mOhm  | 09 21 025 2601 | 09 21 025 2701 |  Contact arrangement (view from termination side)  Panel cut out for inserts for use without hoods/housings |

Han® 40 D

Size 16 B


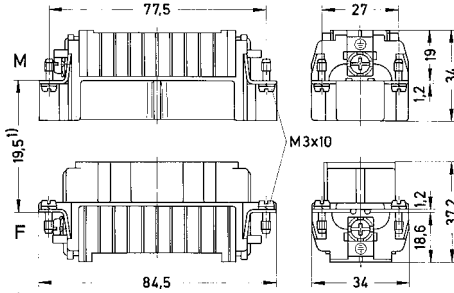

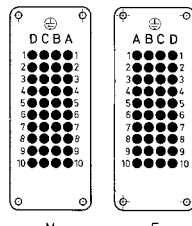
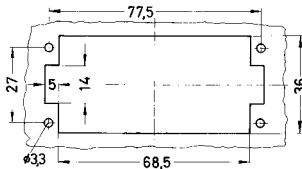


Number of contacts

40+

250 V
10 A

Han
D/DD

| Identification | Part number male female | | Drawing Dimensions in mm |
|--|---|----------------|--|
| <p>Han D®, Crimp terminal</p>  <p>Please order crimp contacts separately.</p> | 09 21 040 3001 | 09 21 040 3101 |  <p>1) Distance for contact max. 21 mm</p> |
| <p>Han D®, Wrap terminal, contact resistance ≤3 mOhm</p>  | 09 21 040 2601 | 09 21 040 2701 |  <p>Contact arrangement (view from termination side)</p>  <p>Panel cut out for inserts for use without hoods/housings</p> |

Han® 50 D

Size 32 A



Number of contacts


50+

250 V
10 A

Han
D/DD

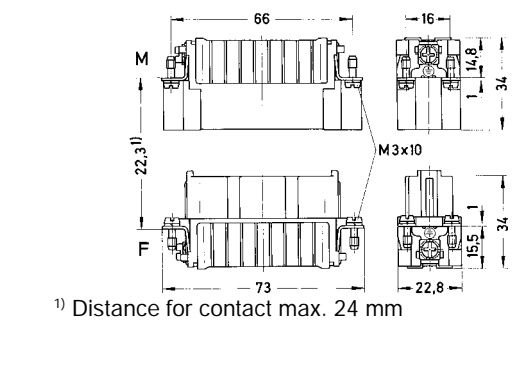
| Identification | Part number | | Drawing Dimensions in mm |
|----------------|-------------|--------|-----------------------------|
| | male | female | |

Han D®,
Crimp terminal

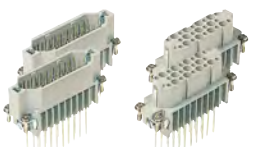


Please order crimp contacts separately.
Please order two inserts for a complete assembly!

| | |
|----------------|----------------|
| 09 21 025 3001 | 09 21 025 3101 |
|----------------|----------------|

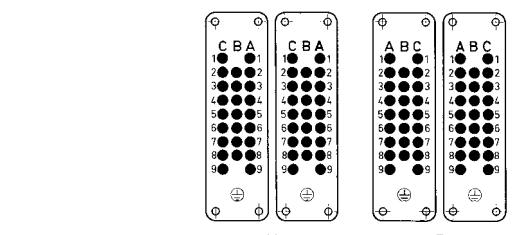


Han D®,
Wrap terminal,
contact resistance ≤3 mOhm

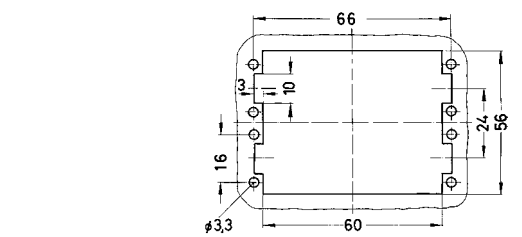


Please order two inserts for a complete assembly!

| | |
|----------------|----------------|
| 09 21 025 2601 | 09 21 025 2701 |
|----------------|----------------|



Contact arrangement (view from termination side)



Panel cut out for inserts for use without hoods/housings


Han® 64 D

Size 24 B




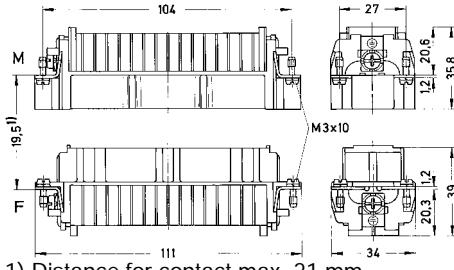
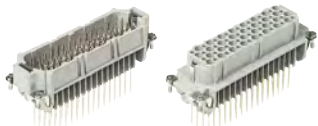
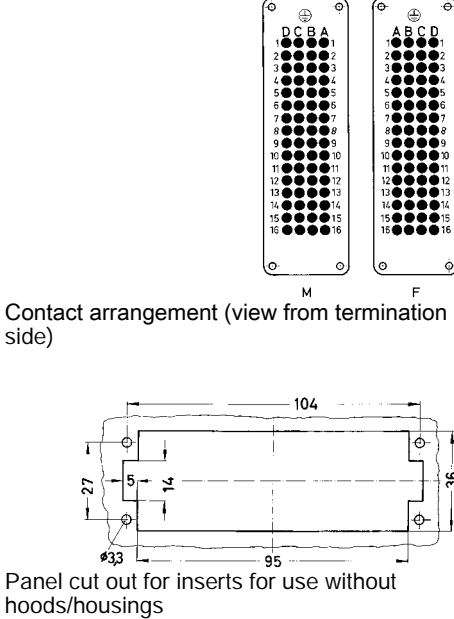
Number of contacts

64+



250 V
10 A

Han
D/DD

| Identification | Part number male female | | Drawing Dimensions in mm |
|--|---|----------------|--|
| <p>Han D®, Crimp terminal</p>  <p>Please order crimp contacts separately.</p> | 09 21 064 3001 | 09 21 064 3101 |  <p>1) Distance for contact max. 21 mm</p> |
| <p>Han D®, Wrap terminal, contact resistance ≤3 mOhm</p>  | 09 21 064 2601 | 09 21 064 2701 |  <p>Panel cut out for inserts for use without hoods/housings</p> |

Han® 80 D

Size 32 B


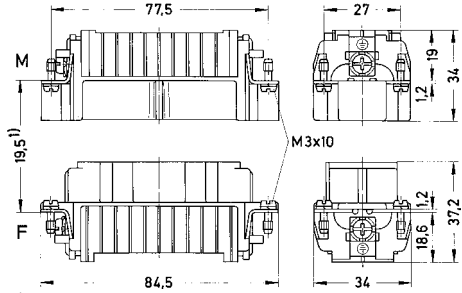

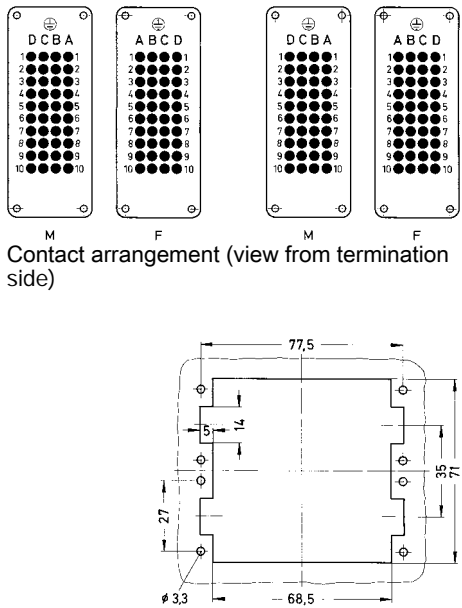


Number of contacts

80+

250 V
10 A

Han
D/DD

| Identification | Part number male female | | Drawing Dimensions in mm |
|--|---|-----------------------|--|
| <p>Han D®, Crimp terminal</p>  <p>Please order crimp contacts separately. Please order two inserts for a complete assembly!</p> | <p>09 21 040 3001</p> | <p>09 21 040 3101</p> |  <p>1) Distance for contact max. 21 mm</p> |
| <p>Han D®, Wrap terminal, contact resistance ≤3 mOhm</p>  <p>Please order two inserts for a complete assembly!</p> | <p>09 21 040 2601</p> | <p>09 21 040 2701</p> |  <p>Contact arrangement (view from termination side)</p> <p>Panel cut out for inserts for use without hoods/housings</p> |


Han[®] 128 D

Size 48 B




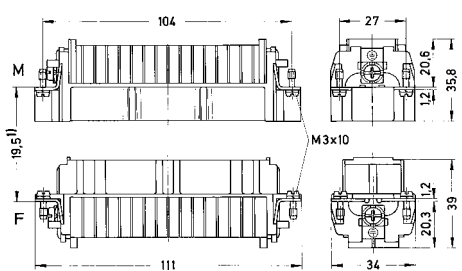

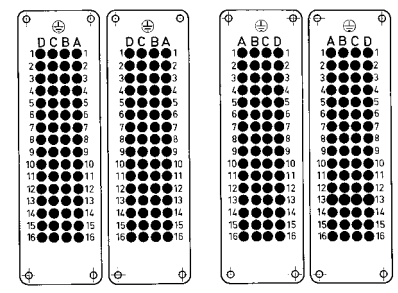
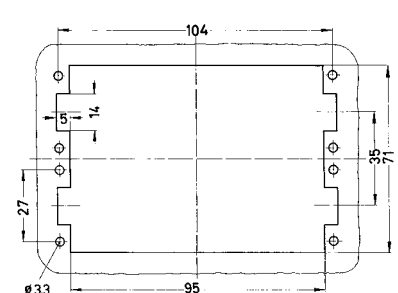
Number of contacts

128+



250 V
10 A

Han
D/DD

| Identification | Part number | | Drawing Dimensions in mm |
|---|----------------|----------------|--|
| | male | female | |
| <p>Han D[®], Crimp terminal</p>  <p>Please order crimp contacts separately. Please order two inserts for a complete assembly!</p> | 09 21 064 3001 | 09 21 064 3101 |  <p>1) Distance for contact max. 21 mm</p> |
| <p>Han D[®], Wrap terminal, contact resistance ≤3 mOhm</p>  <p>Please order two inserts for a complete assembly!</p> | 09 21 064 2601 | 09 21 064 2701 |  <p>Contact arrangement (view from termination side)</p>  <p>Panel cut out for inserts for use without hoods/housings</p> |

Contacts Han D®



Han D/DD

Technical characteristics

Material (contact) copper alloy

Specifications and approvals

IEC 60664-1
IEC 61984

Details


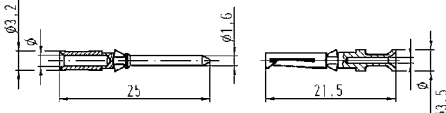

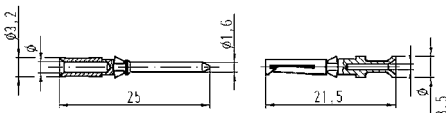

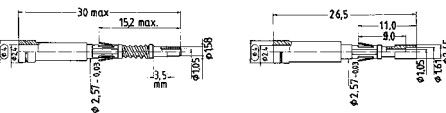
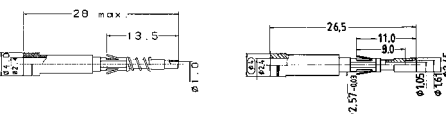
Crimping tools see chapter 90

Remarks on the crimp technique

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


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 | Wire cross section (mm²) | Part number | | Drawing Dimensions in mm | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------|----------------------------------|------------------|---|------------|---|------------------|-------------------------|--------|------|----------------|--------|------|-----------------|--------|------|--------------|---------|------|----------------|---------|------|----------------|---------|------|
| | | male | female | | | | | | | | | | | | | | | | | | | | | | |
| Han D®, Crimp contact, gold plated contacts, contact resistance ≤3 mOhm  | 0.14–0.37 | 09 15 000 6124 | 09 15 000 6224 |  <table border="1"> <thead> <tr> <th>Wire gauge</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm² AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm² AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm² AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm² AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm² AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm² AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table> | Wire gauge | ∅ | Stripping length | 0.14-0.37 mm² AWG 26-22 | 0.9 mm | 8 mm | 0.5 mm² AWG 20 | 1.1 mm | 8 mm | 0.75 mm² AWG 18 | 1.3 mm | 8 mm | 1 mm² AWG 18 | 1.45 mm | 8 mm | 1.5 mm² AWG 16 | 1.75 mm | 8 mm | 2.5 mm² AWG 14 | 2.25 mm | 6 mm |
| | Wire gauge | ∅ | Stripping length | | | | | | | | | | | | | | | | | | | | | | |
| | 0.14-0.37 mm² AWG 26-22 | 0.9 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 0.5 mm² AWG 20 | 1.1 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 0.75 mm² AWG 18 | 1.3 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 1 mm² AWG 18 | 1.45 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 mm² AWG 16 | 1.75 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 mm² AWG 14 | 2.25 mm | 6 mm | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | 09 15 000 6123 | 09 15 000 6223 | | | | | | | | | | | | | | | | | | | | | | | |
| 0.75 | 09 15 000 6125 | 09 15 000 6225 | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 09 15 000 6122 | 09 15 000 6222 | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 | 09 15 000 6121 | 09 15 000 6221 | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 | 09 15 000 6126 | 09 15 000 6226 | | | | | | | | | | | | | | | | | | | | | | | |
| Han D®, Crimp contact, silver plated contacts, contact resistance ≤3 mOhm  | 0.14–0.37 | 09 15 000 6104 | 09 15 000 6204 |  <table border="1"> <thead> <tr> <th>Wire gauge</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm² AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm² AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm² AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm² AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm² AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm² AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table> | Wire gauge | ∅ | Stripping length | 0.14-0.37 mm² AWG 26-22 | 0.9 mm | 8 mm | 0.5 mm² AWG 20 | 1.1 mm | 8 mm | 0.75 mm² AWG 18 | 1.3 mm | 8 mm | 1 mm² AWG 18 | 1.45 mm | 8 mm | 1.5 mm² AWG 16 | 1.75 mm | 8 mm | 2.5 mm² AWG 14 | 2.25 mm | 6 mm |
| | Wire gauge | ∅ | Stripping length | | | | | | | | | | | | | | | | | | | | | | |
| | 0.14-0.37 mm² AWG 26-22 | 0.9 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 0.5 mm² AWG 20 | 1.1 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 0.75 mm² AWG 18 | 1.3 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 1 mm² AWG 18 | 1.45 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 mm² AWG 16 | 1.75 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 mm² AWG 14 | 2.25 mm | 6 mm | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | 09 15 000 6103 | 09 15 000 6203 | | | | | | | | | | | | | | | | | | | | | | | |
| 0.75 | 09 15 000 6105 | 09 15 000 6205 | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 09 15 000 6102 | 09 15 000 6202 | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 | 09 15 000 6101 | 09 15 000 6201 | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 | 09 15 000 6106 | 09 15 000 6206 | | | | | | | | | | | | | | | | | | | | | | | |
| F.O. contact for 1 mm plastic fibre  | | 20 10 001 3212 20 10 001 3213 | 20 10 001 3222 |  20 10 001 3212 + 20 10 001 3222 for Han® 7 D, Han® 8 D, Han® 40 D, Han® 64 D, Han® 80 D, Han® 128 D  20 10 001 3213 + 20 10 001 3222 for Han® 15 D, Han® 25 D, Han® 50 D | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

Contacts Han D[®]



| Identification | Wire cross section (mm ²) | Part number | | Drawing Dimensions in mm |
|--|---------------------------------------|-------------|----------------|--------------------------|
| | | male | female | |
| Han D [®] , Han DD [®] , Coding pin, plastic  only for crimp termination with loss of one contact | | | 09 33 000 9915 | |

Han D/DD

Han DD®



Features

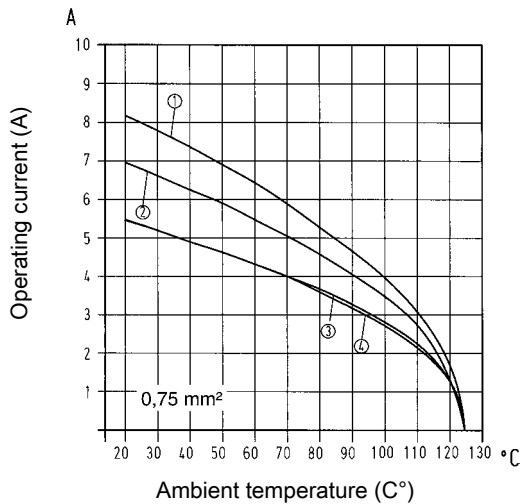
- High density of contacts
- For requirements up to 250 V / 10 A
- Time saving rapid termination by use of crimping contacts
- Gold and silver contacts available
- Suitable for thermo- and 1 mm F.O. contacts

Derating

Current carrying capacity

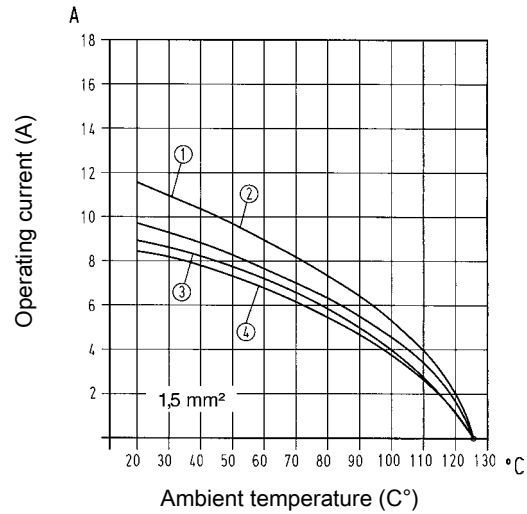
The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

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



- ① Han® 24 DD
- ② Han® 42 DD
- ③ Han® 72 DD
- ④ Han® 108 DD

Derating



- ① Han® 24 DD
- ② Han® 42 DD
- ③ Han® 72 DD
- ④ Han® 108 DD

Technical characteristics

| | |
|-------------------------------------|---------------------------|
| Contacts | 24, 42, 72, 108, 144, 216 |
| Electrical data acc. to IEC 61984 | 10 A 250 V 4 kV 3 |
| Rated current | 10 A |
| Rated voltage | 250 V |
| Rated impulse voltage | 4 kV |
| Pollution degree | 3 |
| Rated voltage acc. to UL | 600 V |
| Rated voltage acc. to CSA | 600 V |
| Insulation resistance | ≥10 ¹⁰ 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) |

Specifications and approvals

IEC 60664-1
IEC 61984



Details

Guide pins and bushes are recommended (see chapter 80).

Han D/DD

Han[®] 24 DD

Size 6 B




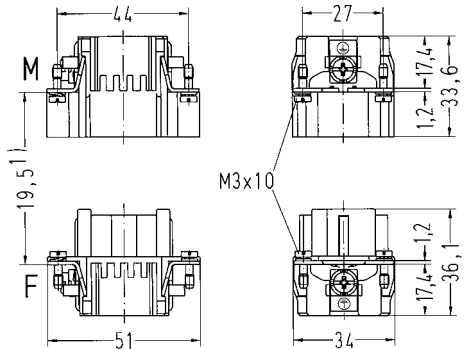
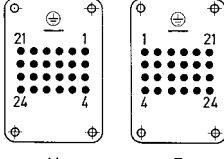
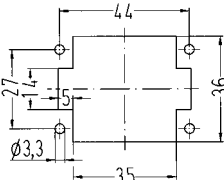
Number of contacts

24+



250 V
10 A

Han
D/DD

| Identification | Part number | | Drawing Dimensions in mm |
|---|----------------|----------------|---|
| | male | female | |
| Han DD [®] , Crimp terminal  <p>Please order crimp contacts separately.</p> | 09 16 024 3001 | 09 16 024 3101 |  <p>1) Distance for contact max. 21 mm</p>  <p>Contact arrangement (view from termination side)</p>  <p>Panel cut out for inserts for use without hoods/housings</p> |

Han® 42 DD

Size 10 B


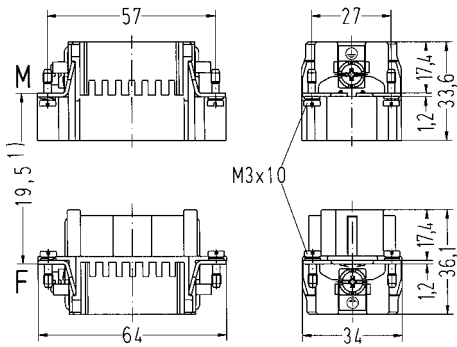
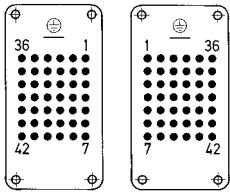
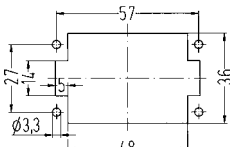


Number of contacts

42+

250 V
10 A

Han
D/DD

| Identification | Part number | | Drawing Dimensions in mm |
|--|----------------|----------------|---|
| | male | female | |
| Han DD®, Crimp terminal  Please order crimp contacts separately. | 09 16 042 3001 | 09 16 042 3101 |  1) Distance for contact max. 21 mm  Contact arrangement (view from termination side)  Panel cut out for inserts for use without hoods/housings |

Han® 72 DD

Size 16 B



Number of contacts

72+

250 V
10 A

Han
D/DD

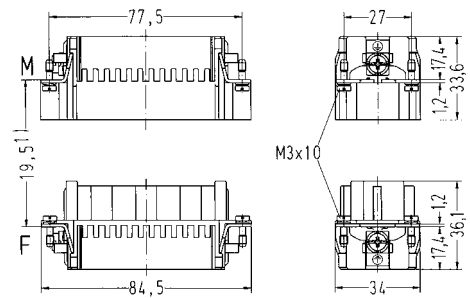
| Identification | Part number | | Drawing Dimensions in mm |
|----------------|-------------|--------|-----------------------------|
| | male | female | |

Han DD®,
Crimp terminal

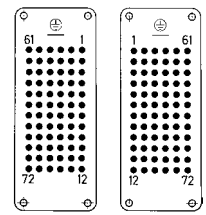


Please order crimp contacts separately.

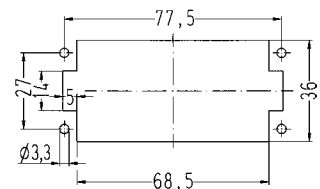
09 16 072 3001 09 16 072 3101



1) Distance for contact max. 21 mm



Contact arrangement (view from termination side)



Panel cut out for inserts for use without hoods/housings


Han® 108 DD

Size 24 B




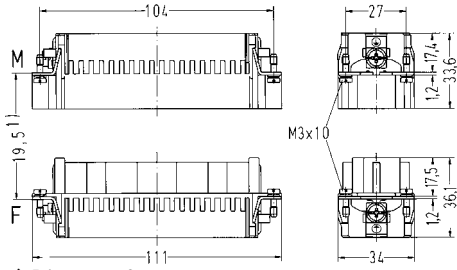
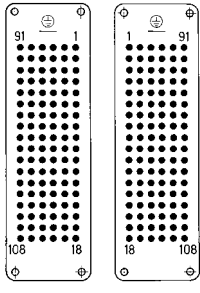
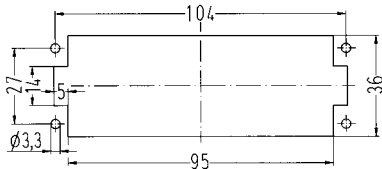
Number of contacts

108+



250 V
10 A

Han
D/DD

| Identification | Part number | | Drawing Dimensions in mm |
|--|----------------|----------------|--|
| | male | female | |
| Han DD®, Crimp terminal  <p>Please order crimp contacts separately.</p> | 09 16 108 3001 | 09 16 108 3101 |  <p>1) Distance for contact max. 21 mm</p>  <p>Contact arrangement (view from termination side)</p>  <p>Panel cut out for inserts for use without hoods/housings</p> |


Han[®] 144 DD

Size 32 B




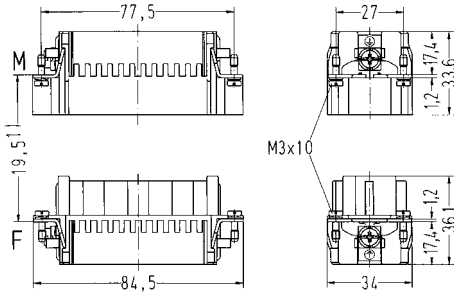

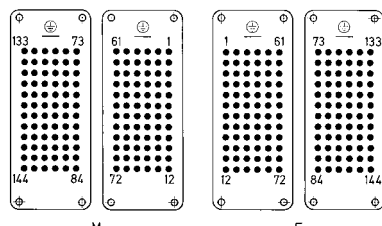
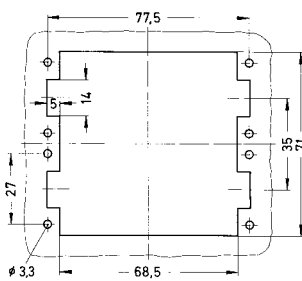
Number of contacts

144+



250 V
10 A

Han
D/DD

| Identification | Part number | | Drawing Dimensions in mm |
|--|----------------|----------------|--|
| | male | female | |
| Han DD [®] , Crimp terminal, 1 - 72  <p>Please order crimp contacts separately. Please order two inserts for a complete assembly!</p> | 09 16 072 3001 | 09 16 072 3101 |  <p>1) Distance for contact max. 21 mm</p> |
| Han DD [®] , Crimp terminal, 73 - 144  <p>Please order crimp contacts separately. Please order two inserts for a complete assembly!</p> | 09 16 072 3011 | 09 16 072 3111 |  <p>Contact arrangement (view from termination side)</p>  <p>Panel cut out for inserts for use without hoods/housings</p> |


Han® 216 DD

Size 48 B




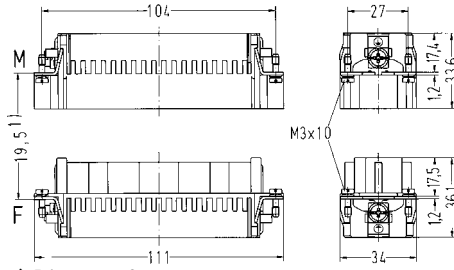

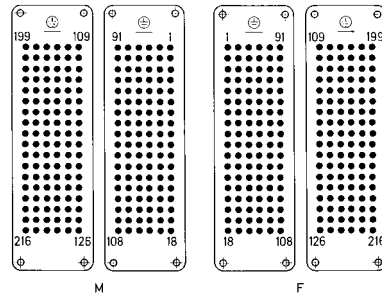
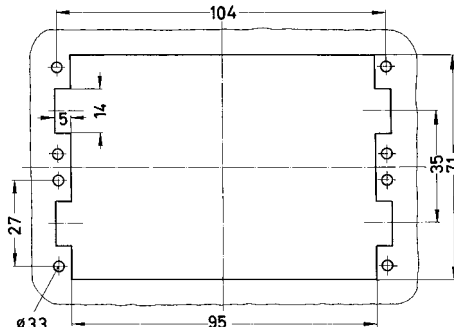
Number of contacts

216+



250 V
10 A

Han
D/DD

| Identification | Part number | | Drawing Dimensions in mm |
|--|----------------|----------------|--|
| | male | female | |
| Han DD®, Crimp terminal, 1 - 108  <p>Please order crimp contacts separately. Please order two inserts for a complete assembly!</p> | 09 16 108 3001 | 09 16 108 3101 |  <p>1) Distance for contact max. 21 mm</p> |
| Han DD®, Crimp terminal, 109 - 216  <p>Please order crimp contacts separately. Please order two inserts for a complete assembly!</p> | 09 16 108 3011 | 09 16 108 3111 |  <p>Contact arrangement (view from termination side)</p>  <p>Panel cut out for inserts for use without hoods/housings</p> |

Contacts Han DD®



Han D/DD

Technical characteristics

Material (contact) copper alloy

Specifications and approvals

IEC 60664-1
IEC 61984

Details


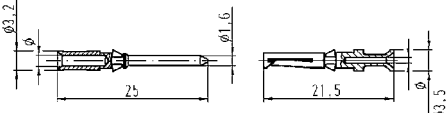

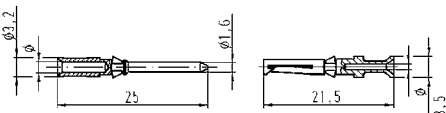

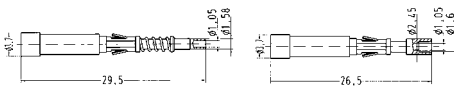

Crimping tools see chapter 90

Remarks on the crimp technique

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

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 | Wire cross section (mm ²) | Part number | | Drawing Dimensions in mm | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------------|----------------|------------------|---|------------|---|------------------|-------------------------------------|--------|------|----------------------------|--------|------|-----------------------------|--------|------|--------------------------|---------|------|----------------------------|---------|------|----------------------------|---------|------|
| | | male | female | | | | | | | | | | | | | | | | | | | | | | |
| Han D®, Crimp contact, gold plated contacts, contact resistance ≤3 mOhm  | 0.14–0.37 | 09 15 000 6124 | 09 15 000 6224 |  <table border="1"> <thead> <tr> <th>Wire gauge</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm² AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm² AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm² AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm² AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm² AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm² AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table> | Wire gauge | ∅ | Stripping length | 0.14-0.37 mm ² AWG 26-22 | 0.9 mm | 8 mm | 0.5 mm ² AWG 20 | 1.1 mm | 8 mm | 0.75 mm ² AWG 18 | 1.3 mm | 8 mm | 1 mm ² AWG 18 | 1.45 mm | 8 mm | 1.5 mm ² AWG 16 | 1.75 mm | 8 mm | 2.5 mm ² AWG 14 | 2.25 mm | 6 mm |
| | Wire gauge | ∅ | Stripping length | | | | | | | | | | | | | | | | | | | | | | |
| | 0.14-0.37 mm ² AWG 26-22 | 0.9 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 0.5 mm ² AWG 20 | 1.1 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 0.75 mm ² AWG 18 | 1.3 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 1 mm ² AWG 18 | 1.45 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 mm ² AWG 16 | 1.75 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 mm ² AWG 14 | 2.25 mm | 6 mm | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | 09 15 000 6123 | 09 15 000 6223 | | | | | | | | | | | | | | | | | | | | | | | |
| 0.75 | 09 15 000 6125 | 09 15 000 6225 | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 09 15 000 6122 | 09 15 000 6222 | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 | 09 15 000 6121 | 09 15 000 6221 | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 | 09 15 000 6126 | 09 15 000 6226 | | | | | | | | | | | | | | | | | | | | | | | |
| Han D®, Crimp contact, silver plated contacts, contact resistance ≤3 mOhm  | 0.14–0.37 | 09 15 000 6104 | 09 15 000 6204 |  <table border="1"> <thead> <tr> <th>Wire gauge</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm² AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm² AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm² AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm² AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm² AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm² AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table> | Wire gauge | ∅ | Stripping length | 0.14-0.37 mm ² AWG 26-22 | 0.9 mm | 8 mm | 0.5 mm ² AWG 20 | 1.1 mm | 8 mm | 0.75 mm ² AWG 18 | 1.3 mm | 8 mm | 1 mm ² AWG 18 | 1.45 mm | 8 mm | 1.5 mm ² AWG 16 | 1.75 mm | 8 mm | 2.5 mm ² AWG 14 | 2.25 mm | 6 mm |
| | Wire gauge | ∅ | Stripping length | | | | | | | | | | | | | | | | | | | | | | |
| | 0.14-0.37 mm ² AWG 26-22 | 0.9 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 0.5 mm ² AWG 20 | 1.1 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 0.75 mm ² AWG 18 | 1.3 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| | 1 mm ² AWG 18 | 1.45 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 mm ² AWG 16 | 1.75 mm | 8 mm | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 mm ² AWG 14 | 2.25 mm | 6 mm | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | 09 15 000 6103 | 09 15 000 6203 | | | | | | | | | | | | | | | | | | | | | | | |
| 0.75 | 09 15 000 6105 | 09 15 000 6205 | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 09 15 000 6102 | 09 15 000 6202 | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 | 09 15 000 6101 | 09 15 000 6201 | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | |
| Han D®, Han DD®, Coding pin, plastic  only for crimp termination with loss of one contact | | | 09 33 000 9915 | | | | | | | | | | | | | | | | | | | | | | |

Modified contact arrangements



Han D/DD

Modified contact arrangement

The connector series Han DD® and Han D® equipped with all contacts may be used for voltages up to 250 V, pollution degree 3. A modified contact loading arrangement permits use up to 500 V also in the same pollution degree.

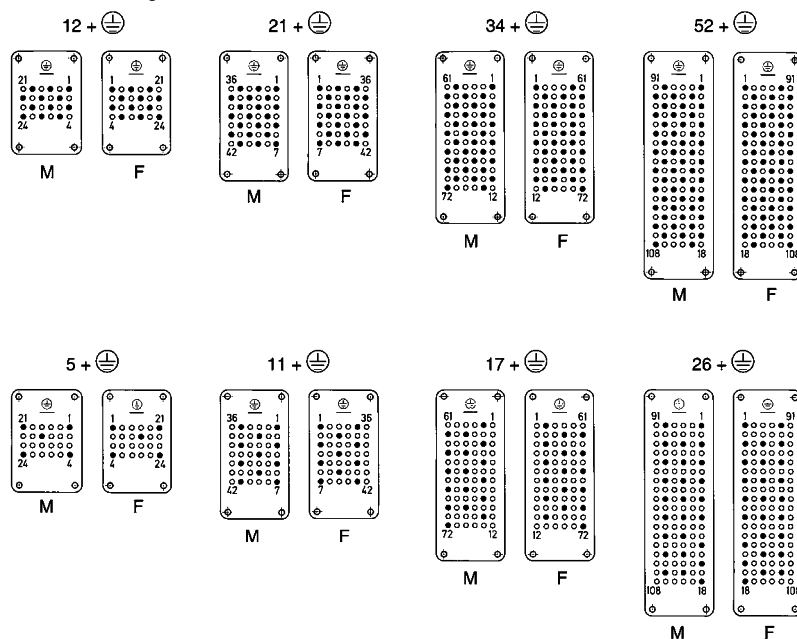
According to DIN EN 61 984 connectors should not be coupled or decoupled under electrical load.

Series Han DD®

Rated current 10 A 400 V 6 kV 3
 Rated voltage 10 A 400 V
 Rated impulse voltage 6 kV
 Pollution degree 3

Rated current 10 A 500 V 6 kV 3
 Rated voltage 10 A 500 V
 Rated impulse voltage 6 kV
 Pollution degree 3

Contact arrangement view from termination side

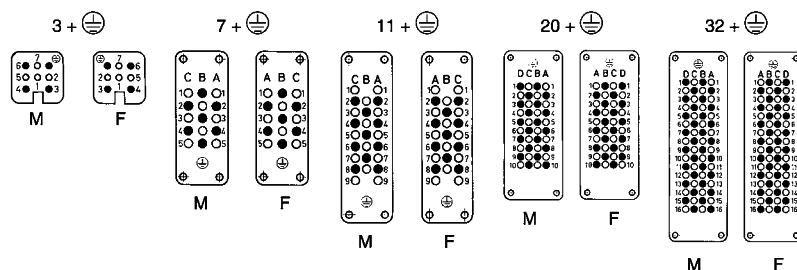


● Working contact ○ Without contact M - Male insert F - Female insert

Series Han D®

Rated current 10 A 500 V 6 kV 3
 Rated voltage 10 A 500 V
 Rated impulse voltage 6 kV
 Pollution degree 3

Contact arrangement view from termination side



● Working contact ○ Without contact M - Male insert F - Female insert