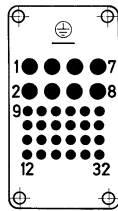


Contents	Page
Han® K 4/4 Axial screw / Cage-clamp .....	<b>Han 05.8</b>
Han® K 8/24 Crimp .....	<b>Han 05.11</b>
Han® K 32/55 Crimp .....	<b>Han 05.14</b>
Han® K 4/0 Screw.....	<b>Han 05.17</b>
Han® K 4/2 Screw.....	<b>Han 05.19</b>
Han® K 6/12 Crimp .....	<b>Han 05.21</b>
Han® K 6/12 Axial screw / Screw.....	<b>Han 05.24</b>
Han® K 6/36 Crimp .....	<b>Han 05.26</b>
Han® K 12/2 Crimp .....	<b>Han 05.29</b>
Han® K 9/9/18 Crimp.....	<b>Han 05.32</b>
Han® K 4/8 Screw.....	<b>Han 05.35</b>
Han® K 6/6 Crimp .....	<b>Han 05.37</b>
Han® K 6/6 Axial screw / Screw.....	<b>Han 05.40</b>
Han® K 8/0 Axial screw.....	<b>Han 05.42</b>

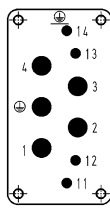
Han-Com

Size Description

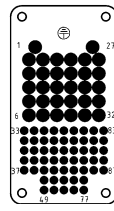
10 B



Han® K 8/24  
Power 16 A / 230/400 V  
Signal 10 A / 160 V

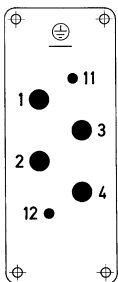


Han® K 4/4  
63 A / 690 V  
16 A / 230 V

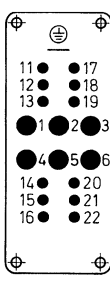


Han® K 32/55  
10 A / 250 V  
4 A / 50 V

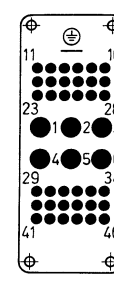
16 B



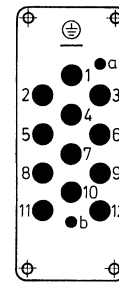
Han® K 4/0, 4/2  
Power 80 A / 830 V  
Signal 16 A / 400 V



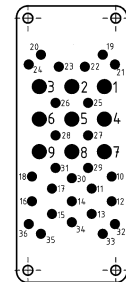
Han® K 6/12  
40 A / 690 V  
10 A / 230/400 V



Han® K 6/36  
40 A / 690 V  
10 A / 160 V

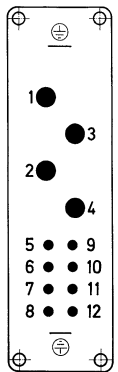


Han® K 12/2  
40 A / 690 V  
10 A / 250 V

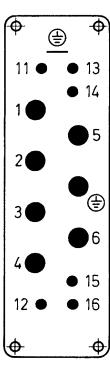


Han® K 9/9/18  
40 A / 830 V  
16 A / 830 V  
10 A / 250 V

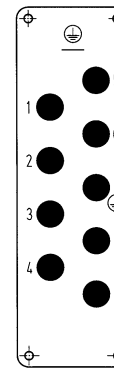
24 B



Han® K 4/8  
Power 80 A / 400 V  
Signal 16 A / 400 V



Han® K 6/6  
100 A / 690 V  
16 A / 400 V



Han® K 8/0  
100 A / 690 V

32 B

suitable for 2 inserts of size 16 B

48 B

suitable for 2 inserts of size 24 B

## Summary

Type	Technical characteristics								Suitable Hoods/ Housings
	Power area				Signal area				
	Number of contacts	A	V ~	Termination	Number of contacts	A	V ~	Termination	Size
Han® K 4/0	4+PE	80	830	screw	—	—	—	—	16 B, 32 B
Han® K 4/2	4+PE	80	830	screw	2	16	400	screw	16 B, 32 B
Han® K 4/4	4+PE	63	690	axial screw	4	16	250	cage clamp	10 B
Han® K 4/8	4+PE	80	400	screw	8	16	400	screw	24 B, 48 B
Han® K 6/6	6+PE	100	690	crimp	6	16	400	crimp	24 B, 48 B
Han® K 6/6	6+PE	100	690	axial screw	6	16	400	screw	24 B, 48 B
Han® K 6/12	6+PE	40	690	crimp	12	10	230/400	crimp	16 B, 32 B
Han® K 6/12	6+PE	40	690	axial screw	12	10	230/400	screw	16 B, 32 B
Han® K 6/36	6+PE	40	690	crimp	36	10	160	crimp	16 B, 32 B
Han® K 8/0	8+PE	100	690	axial screw	—	—	—	—	24 B, 48 B
Han® K 8/24	8+PE	16	230/400	crimp	24	10	160	crimp	10 B
Han® K 12/2	12+PE	40	690	crimp	2	10	250	crimp	16 B, 32 B
Han® K 9/9/18	9+9+PE	40/16	830	crimp	18	10	250	crimp	16 B, 32 B
Han® K 32/55	32+PE	10	250	crimp	55	4	50	crimp	10 B

## Type identification

Han® K 6/12

Han® Industrial connectors Han®  
K Series Han® K / Han-Com®  
6 Number of power contacts  
12 Number of signal contacts

## Identification of contact position

Han® K connectors from 1 to ... (power area)  
from 11 to... (signal area)

Exceptions

Han® K 4/8 and Han® K 8/24 from 1 to ... (consecutively)  
Han® K 12/2 from 1 to 12 (power area)  
with „a“ and „b“ (signal area)

## Comment for users

For the combination of several circuits in one cable and/or e.g. one connector the following standards are valid:  
DIN VDE 0100-410/10.2018 § 414.4 and DIN EN 60204-1/06.2007 § 13.1.3

## Accessories

Crimping tools chapter 90  
Cable clamps chapter 80  
Coding of hoods/housings chapter 80  
Label acc. to CSA-approval chapter 80  
Han-Snap® chapter 11  
PCB adapter chapter 80

Han-Com

**Description**

**Depiction**

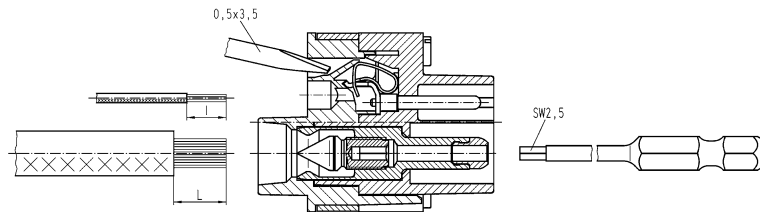
**Dimensions in mm**

**Step 1:**

**Signal contacts:**  
Push screwdriver (0.5 x 3.5) into rectangular chamber. Strip insulation from the wire with a length and insert the wire into the round contact chamber.

**Power contacts:**

Strip insulation from the wire with a length and insert the wire into the contact chamber until insulation is flush with contact. Do not twist the strands of the wire.



I: Stripping length for signal contacts

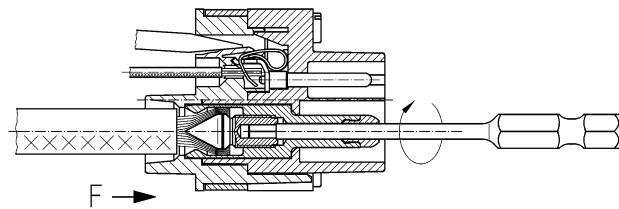
L: Stripping length for power contacts

**Step 2:**

**Signal contacts:**  
Push screwdriver (0.5 x 3.5) out of rectangular chamber.

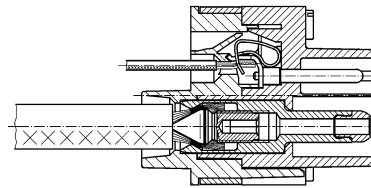
**Power contacts:**

Hold the wire in position and tighten by a hexagonal driver (SW 2.5) from the mating side with a tightening torque.



**Step 3:**

Complete connection



## Description

## Depiction

## Dimensions in mm

### Step 1:

#### Signal contacts:

Strip insulation from the wire with a length and insert the wire into the rectangular contact chamber.

#### Power contacts:

Strip insulation from the wire with a length and insert the wire into the contact chamber until insulation is flush with contact. Do not twist the strands of the wire.

### Step 2:

#### Signal contacts:

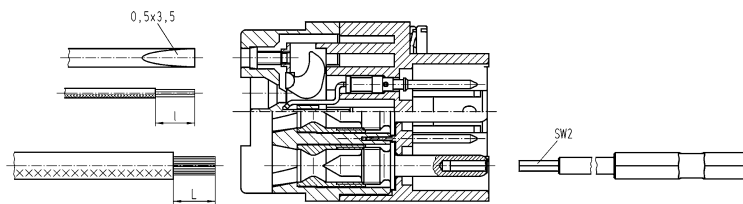
Tighten screw termination with screwdriver (0.5 x 3.5) with a tightening torque.

#### Power contacts:

Hold the wire in position and tighten by a hexagonal driver (SW 2) from the mating side with a tightening torque.

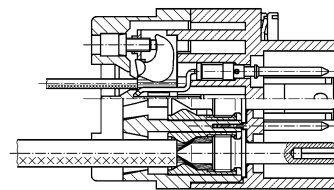
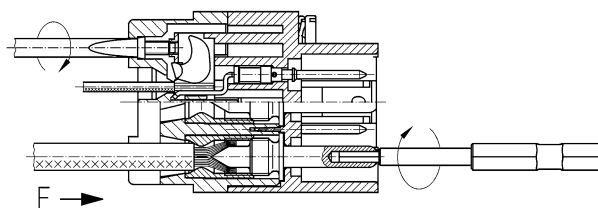
### Step 3:

Complete connection



I: Stripping length for signal contacts

L: Stripping length for power contacts



Han-Com

**Description**

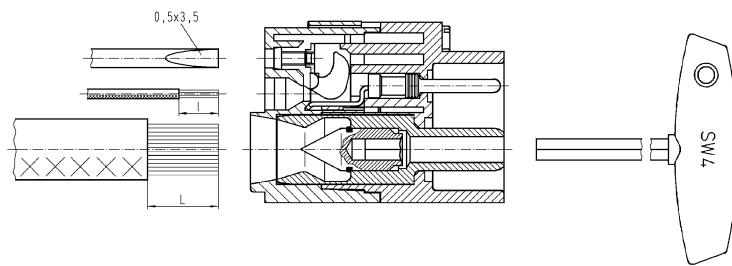
**Depiction**

**Dimensions in mm**

**Step 1:**

**Signal contacts:**  
Strip insulation from the wire with a length and insert the wire into the rectangular contact chamber.

**Power contacts:**  
Strip insulation from the wire with a length and insert the wire into the contact chamber until insulation is flush with contact. Do not twist the strands of the wire.



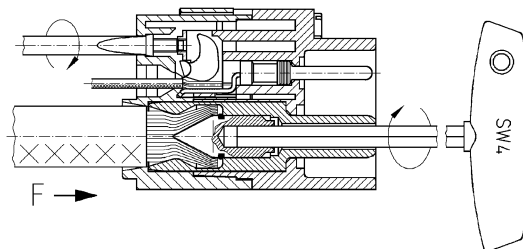
I: Stripping length for signal contacts

L: Stripping length for power contacts

**Step 2:**

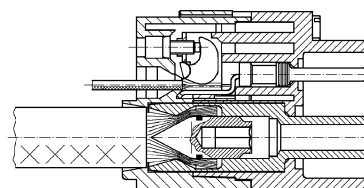
**Signal contacts:**  
Tighten screw termination with screwdriver (0.5 x 3.5) with a tightening torque.

**Power contacts:**  
Hold the wire in position and tighten by a hexagonal driver (SW 4) from the mating side with a tightening torque.



**Step 3:**

Complete connection

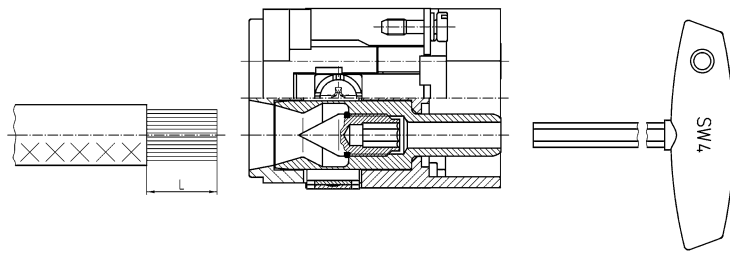


**Description**

**Depiction**

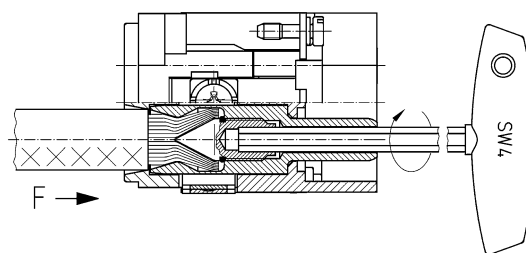
**Dimensions in mm**

**Step 1:**  
Strip insulation from the wire with a length and insert the wire into the contact chamber until insulation is flush with contact. Do not twist the strands of the wire.

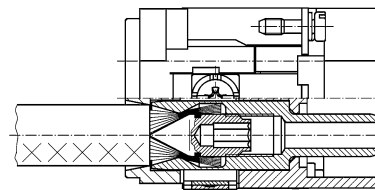


L: Stripping length for power contacts

**Step 2:**  
Hold the wire in position and tighten by a hexagonal driver (SW 4) from the mating side with a tightening torque.



**Step 3:**  
Complete connection



## Features

- Combination of signal and power in one connector
- Axial screw termination for power area
- Cage clamp termination for signal area
- Same range of cross-section for PE contacts and power contacts

## Technical characteristics

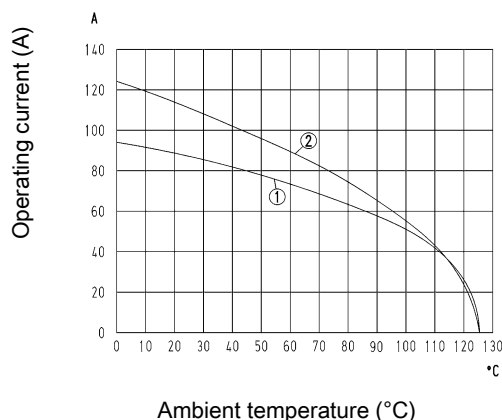
Number of contacts	4
Additional contacts	+ 4 additional signal contacts
Rated current	63 A
Rated voltage	690 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current (signal)	16 A
Rated voltage (signal)	250 V
Rated impulse voltage (signal)	4 kV
Pollution degree (signal)	3
Rated current acc. to UL	63 A
Rated current acc. to UL (signal)	16 A
Rated current acc. to CSA	63 A
Rated current acc. to CSA (signal)	16 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	230 V
Rated voltage acc. to CSA	600 V
Rated voltage acc. to CSA (signal)	230 V
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤0.5 mΩ
Contact resistance, signal area	≤3 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Wire outer diameter	≤8.9 mm, ≤11 mm @ 22 mm <sup>2</sup>
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption

## 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 Conductor cross-section 16 mm<sup>2</sup>
- ② Conductor cross-section 22 mm<sup>2</sup>

## Specifications and approvals

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

## Details

**Hoods/Housings** see chapter Han 31

**Hex key (A/F 2.5)** see chapter Han 90

### Remarks on the axial screw technique

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


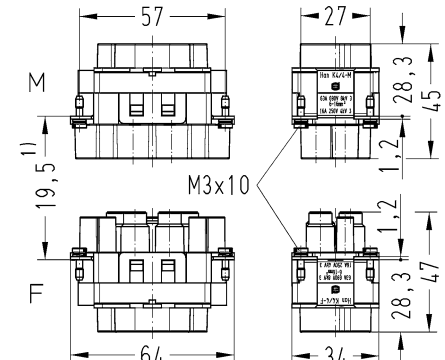

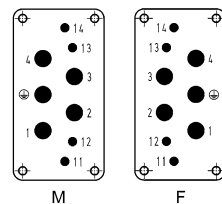


Number of contacts

**4+**

63 A 690 V 8 kV 3  
 16 A 250 V 4 kV 3  
 + 4 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	
Han-Com®, Han® K 4/4, Axial screw termination / cage-clamp termination, Contact surface: Silver plated   Finger safe	6 ... 16, 0.14 ... 2.5 Signal	09 38 008 2601	09 38 008 2701	 1) distance for contact max. 21 mm
Han-Com®, Han® K 4/4, Axial screw termination / cage-clamp termination, Contact surface: Silver plated   Not finger safe	6 ... 16, 0.14 ... 2.5 Signal	09 38 008 2611		 Contact arrangement (view from termination side)

Power contacts		
Conductor cross-section	Tightening torque	Stripping length
6 mm <sup>2</sup>	2 Nm	11 ... 12 mm
10 mm <sup>2</sup>	3 Nm	11 ... 12 mm
16 mm <sup>2</sup>	4 Nm	11 ... 12 mm
22 mm <sup>2</sup>	4 Nm	11 ... 12 mm

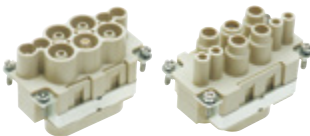
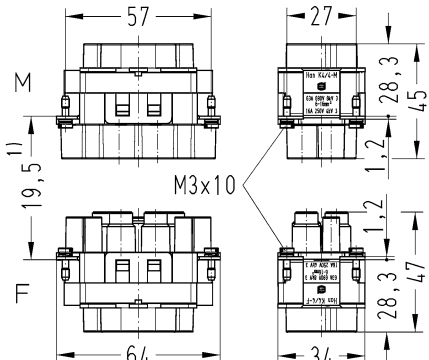

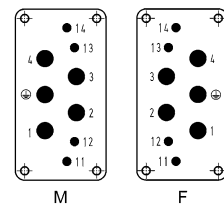
Signal contacts :  
 Stripping length 7 ... 9 mm

Number of contacts

# 4+

63 A 690 V 8 kV 3  
 16 A 250 V 4 kV 3  
 + 4 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	
Han-Com®, Han® K 4/4, Axial screw termination / cage-clamp termination, Contact surface: Silver plated   Finger safe	10 ... 22, 0.14 ... 2.5 Signal	09 38 008 2602	09 38 008 2702	 1) distance for contact max. 21 mm
Han-Com®, Han® K 4/4, Axial screw termination / cage-clamp termination, Contact surface: Silver plated   Not finger safe	10 ... 22, 0.14 ... 2.5 Signal	09 38 008 2612		 Contact arrangement (view from termination side)

Power contacts		
Conductor cross-section	Tightening torque	Stripping length
6 mm <sup>2</sup>	2 Nm	11 ... 12 mm
10 mm <sup>2</sup>	3 Nm	11 ... 12 mm
16 mm <sup>2</sup>	4 Nm	11 ... 12 mm
22 mm <sup>2</sup>	4 Nm	11 ... 12 mm

Signal contacts :  
 Stripping length 7 ... 9 mm

## Features

- Combination of signal and power in one connector
- Crimp termination for power and signal area
- Use of standard Han E® and Han D® contacts

## Technical characteristics

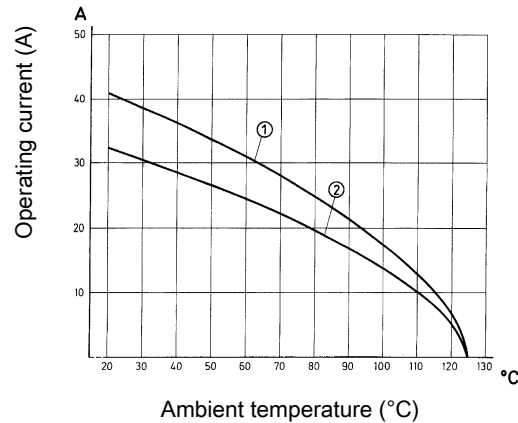
Number of contacts	8
Additional contacts	+ 24 additional signal contacts
Rated current	16 A
Rated voltage conductor-earth	230 V
Rated voltage conductor-conductor	400 V
Rated impulse voltage	4 kV
Pollution degree	3
Rated current (signal)	10 A
Rated voltage (signal)	160 V
Rated impulse voltage (signal)	2.5 kV
Pollution degree (signal)	3
Rated current acc. to UL	16 A
Rated current acc. to UL (signal)	10 A
Rated current acc. to CSA	16 A
Rated current acc. to CSA (signal)	10 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	600 V
Rated voltage acc. to CSA	300 V
Rated voltage acc. to CSA (signal)	300 V
Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 3 \text{ m}\Omega, \leq 1 \text{ m}\Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 500$
Material (insert)	Polyamide (PA)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	HB
RoHS	compliant, compliant with exemption

## 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 Conductor cross-section 4 mm<sup>2</sup>
- ② Conductor cross-section 2.5 mm<sup>2</sup>

## Specifications and approvals

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

## Details

**Hoods/Housings** see chapter Han 31

Contact resistance Han D® crimp contact:  $\leq 3 \text{ m}\Omega$

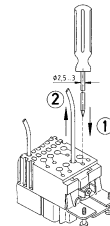
Contact resistance Han E® crimp contact:  $\leq 1 \text{ m}\Omega$

**Crimping tools** see chapter Han 90

### Remarks on the crimp technique

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

### Removal of power contacts (Han E®)



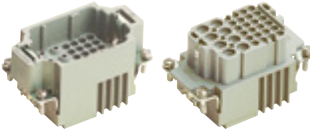
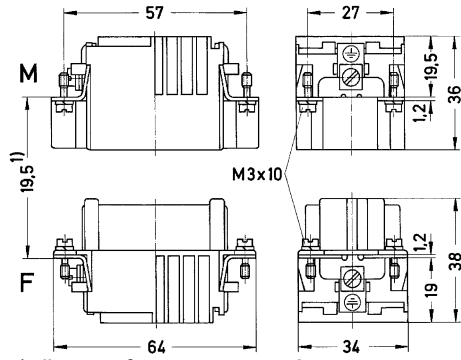
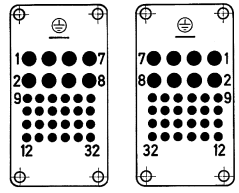
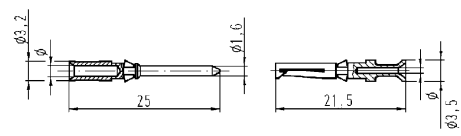

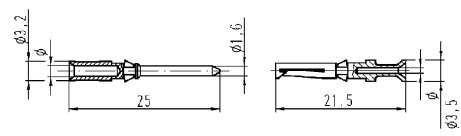

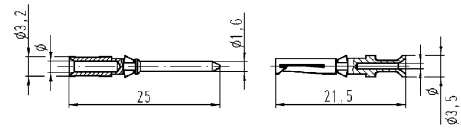
- ① Push cross-slotted screw driver (size 0) in the relevant hole of the contact until it reaches the bottom
- ② Withdraw the crimped contact from the insert


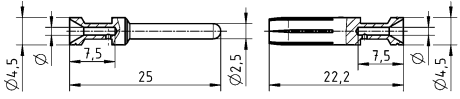

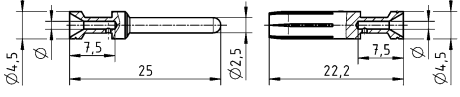

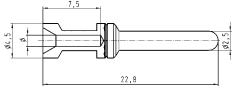

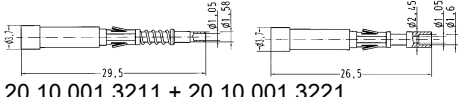
Number of contacts

# 8+

16 A 230/400 V 4 kV 3  
 10 A 160 V 2.5 kV 3  
 + 24 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																					
		Male	Female																						
Han-Com®, Han® K 8/24, Crimp termination  <p>Please order crimp contacts separately.</p>	0.5 ... 4, 0.14 ... 2.5 Signal	09 38 032 3001	09 38 032 3101	 <p>1) distance for contact max. 21 mm</p>  <p>1 7 7 1 2 8 8 2 9 9 9 9 12 32 32 12</p> <p>M F</p> <p>Contact arrangement (view from termination side)</p>  <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section	Ø	Stripping length	0.14-0.37 mm <sup>2</sup> AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup> AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup> AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup> AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup> AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	6 mm
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Han D®, Crimp contact, Contact surface: Gold plated 	0.14 ... 0.37 0.5 0.75 1 1.5 2.5	09 15 000 6124 09 15 000 6123 09 15 000 6125 09 15 000 6122 09 15 000 6121 09 15 000 6126	09 15 000 6224 09 15 000 6223 09 15 000 6225 09 15 000 6222 09 15 000 6221 09 15 000 6226	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section	Ø	Stripping length	0.14-0.37 mm <sup>2</sup> AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup> AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup> AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup> AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup> AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	6 mm
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Han E®, Crimp contact, Contact surface: Gold plated 	0.5	09 33 000 6122	09 33 000 6222	 <table border="1"> <thead> <tr> <th colspan="2">Conductor cross-section</th> <th>Identification</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup></td> <td>AWG 26-22</td> <td>no groove</td> </tr> <tr> <td>0.5 mm<sup>2</sup></td> <td>AWG 20</td> <td>no groove</td> </tr> <tr> <td>0.75 mm<sup>2</sup></td> <td>AWG 18</td> <td>1 groove*</td> </tr> <tr> <td>1 mm<sup>2</sup></td> <td>AWG 18</td> <td>1 groove</td> </tr> <tr> <td>1.5 mm<sup>2</sup></td> <td>AWG 16</td> <td>2 groove</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>AWG 14</td> <td>3 groove</td> </tr> <tr> <td>3 mm<sup>2</sup></td> <td>AWG 12</td> <td>wide groove</td> </tr> <tr> <td>4 mm<sup>2</sup></td> <td>AWG 12</td> <td>no groove</td> </tr> </tbody> </table> <p>* on the back crimp collar</p> <p>Stripping length 7.5 mm</p>	Conductor cross-section		Identification	0.14-0.37 mm <sup>2</sup>	AWG 26-22	no groove	0.5 mm <sup>2</sup>	AWG 20	no groove	0.75 mm <sup>2</sup>	AWG 18	1 groove*	1 mm <sup>2</sup>	AWG 18	1 groove	1.5 mm <sup>2</sup>	AWG 16	2 groove	2.5 mm <sup>2</sup>	AWG 14	3 groove	3 mm <sup>2</sup>	AWG 12	wide groove	4 mm <sup>2</sup>	AWG 12	no groove
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Han E®, Crimp contact, Relay contact, Contact surface: Silver plated 	0.75 ... 1	09 33 000 6109		 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.75-1 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.45 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup></td> <td>AWG 16</td> <td>1.75 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>AWG 14</td> <td>2.25 mm</td> </tr> </tbody> </table>	Conductor cross-section	∅	Stripping length	0.75-1 mm <sup>2</sup>	AWG 18	1.45 mm	1.5 mm <sup>2</sup>	AWG 16	1.75 mm	2.5 mm <sup>2</sup>	AWG 14	2.25 mm															
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FO contact, for 1 mm plastic fibre 		20 10 001 3211	20 10 001 3221	 <p>20 10 001 3211 + 20 10 001 3221</p>																											

## Features

- Combination of signal and power in one connector
- Crimp termination for power and signal area
- Use of standard Han D® and Han® D-sub contacts

## Technical characteristics

Number of contacts	32
Additional contacts	+ 55 additional signal contacts
Rated current	10 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	2
Rated current (signal)	4 A
Rated voltage (signal)	50 V
Rated impulse voltage (signal)	0.8 kV
Pollution degree (signal)	2
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	30 V
Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 3 \text{ m}\Omega, \leq 10 \text{ m}\Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 500$
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant, compliant with exemption

## Specifications and approvals

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

## Details

Contact resistance Han D® crimp contact:  $\leq 3 \text{ m}\Omega$

Contact resistance D-Sub crimp contact:  $\leq 10 \text{ m}\Omega$

**Crimping tools** see chapter Han 90

### Remarks on the crimp technique

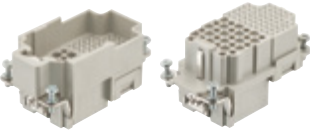
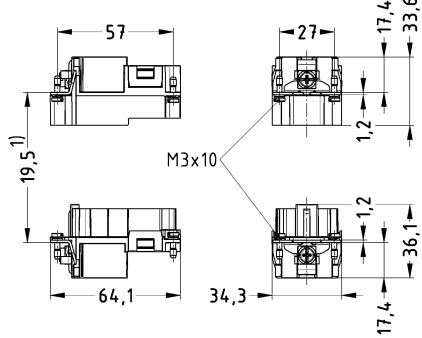
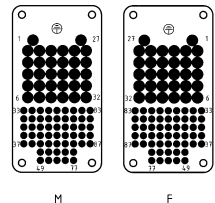
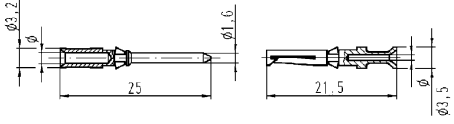

The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.

Number of contacts


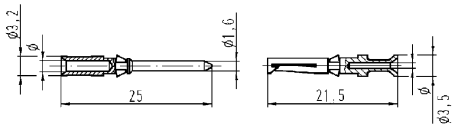

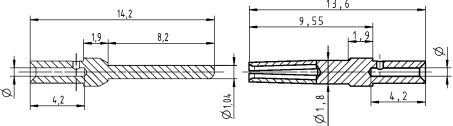
# 32+

10 A 250 V 4 kV 2  
 4 A 50 V 0.8 kV 2  
 + 55 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																												
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Han-Com®, Han® K 32/55, Crimp termination  <p>Please order crimp contacts separately.</p>	0.14 ... 2.5, 0.09 ... 0.52 Signal	09 38 087 3001	09 38 087 3101	 <p>1) distance for contact max. 21 mm</p>  <p>Contact arrangement (view from termination side)</p>  <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>AWG</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup></td> <td>AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup></td> <td>AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup></td> <td>AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section	AWG	Ø	Stripping length	0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup>	AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup>	AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup>	AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup>	AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup>	AWG 14	2.25 mm	6 mm
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Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																					
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Han D®, Crimp contact, Contact surface: Gold plated 	0.14 ... 0.37	09 15 000 6124	09 15 000 6224	 <table border="1" data-bbox="965 504 1412 683"> <thead> <tr> <th>Conductor cross-section</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section	Ø	Stripping length	0.14-0.37 mm <sup>2</sup> AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup> AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup> AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup> AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup> AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	6 mm
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0.13 ... 0.33	09 67 000 5576	09 67 000 5476																							
0.25 ... 0.52	09 67 000 8576	09 67 000 8476																							



## Features

- Screw termination
- No signal contacts

## Technical characteristics

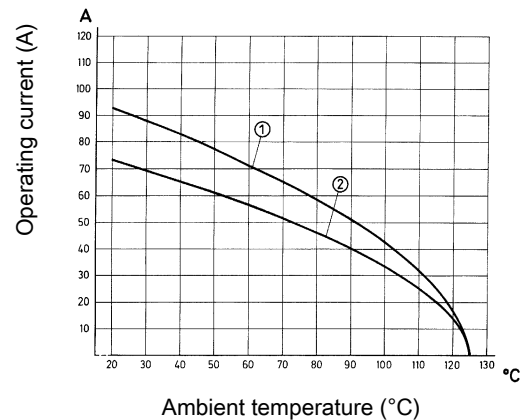
Number of contacts	4
Rated current	80 A
Rated voltage	830 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current acc. to UL	80 A
Rated current acc. to CSA	80 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to CSA	300 V
Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 0.3 \text{ m}\Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 500$
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption

## 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 Conductor cross-section 16 mm<sup>2</sup>  
 ② Conductor cross-section 10 mm<sup>2</sup>

## Specifications and approvals

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


## Details

**Hoods/Housings** see chapter Han 31

In accordance with the appropriate regulations a wire-end sleeve has to be used at clamps without wire protection (see "screw terminal", chapter Han 00).


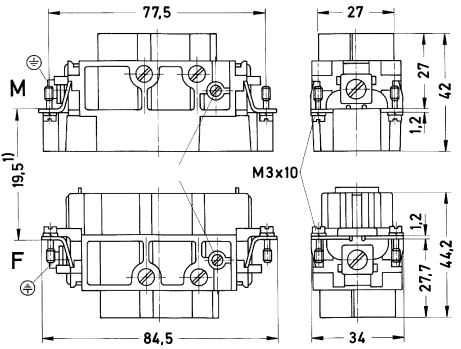
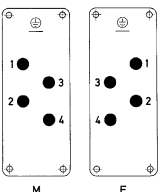
Number of contacts

# 4+



80 A 830 V 8 kV 3

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																							
		Male	Female																								
Han-Com®, Han® K 4/0, Screw termination, Contact surface: Silver plated 	1.5 ... 16	09 38 006 2611	09 38 006 2711	 <p>1) distance for contact max. 21 mm</p>  <p>1 3 2 4</p> <p>1 3 4 2</p> <p>M F</p> <p>Contact arrangement (view from termination side)</p> <table border="1"> <thead> <tr> <th rowspan="2">Conductor cross-section</th> <th colspan="2">Power contacts</th> </tr> <tr> <th>Tightening torque</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>1.5 mm<sup>2</sup></td> <td>1.2 Nm</td> <td>14 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>2 Nm</td> <td>14 mm</td> </tr> <tr> <td>4 mm<sup>2</sup></td> <td>3 Nm</td> <td>14 mm</td> </tr> <tr> <td>6 mm<sup>2</sup></td> <td>3 Nm</td> <td>14 mm</td> </tr> <tr> <td>10 mm<sup>2</sup></td> <td>3 Nm</td> <td>14 mm</td> </tr> <tr> <td>16 mm<sup>2</sup></td> <td>3 Nm</td> <td>14 mm</td> </tr> </tbody> </table>	Conductor cross-section	Power contacts		Tightening torque	Stripping length	1.5 mm <sup>2</sup>	1.2 Nm	14 mm	2.5 mm <sup>2</sup>	2 Nm	14 mm	4 mm <sup>2</sup>	3 Nm	14 mm	6 mm <sup>2</sup>	3 Nm	14 mm	10 mm <sup>2</sup>	3 Nm	14 mm	16 mm <sup>2</sup>	3 Nm	14 mm
Conductor cross-section	Power contacts																										
	Tightening torque	Stripping length																									
1.5 mm <sup>2</sup>	1.2 Nm	14 mm																									
2.5 mm <sup>2</sup>	2 Nm	14 mm																									
4 mm <sup>2</sup>	3 Nm	14 mm																									
6 mm <sup>2</sup>	3 Nm	14 mm																									
10 mm <sup>2</sup>	3 Nm	14 mm																									
16 mm <sup>2</sup>	3 Nm	14 mm																									

## Features

- Combination of signal and power in one connector
- Screw termination for power and signal area

## Technical characteristics

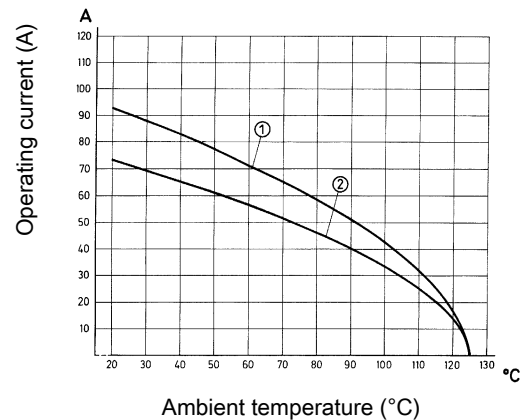
Number of contacts	4
Additional contacts	+ 2 additional signal contacts
Rated current	80 A
Rated voltage	830 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current (signal)	16 A
Rated voltage (signal)	400 V
Rated impulse voltage (signal)	6 kV
Pollution degree (signal)	3
Rated current acc. to UL	80 A
Rated current acc. to UL (signal)	16 A
Rated current acc. to CSA	80 A
Rated current acc. to CSA (signal)	16 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	600 V
Rated voltage acc. to CSA	300 V
Rated voltage acc. to CSA (signal)	300 V
Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 0.3 \text{ m}\Omega$
Contact resistance, signal area	$\leq 1 \text{ m}\Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 500$
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption

## 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 Conductor cross-section 16 mm<sup>2</sup>  
 ② Conductor cross-section 10 mm<sup>2</sup>

## Specifications and approvals

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

## Details

**Hoods/Housings** see chapter Han 31


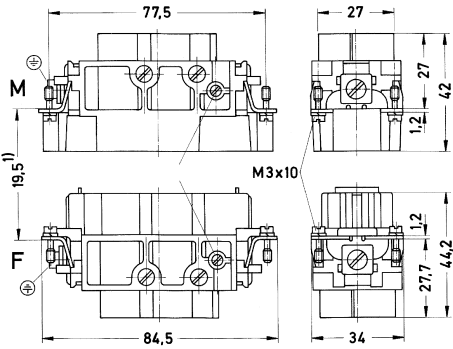
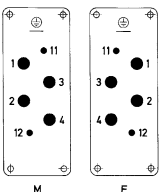
In accordance with the appropriate regulations a wire-end sleeve has to be used at clamps without wire protection (see "screw terminal", chapter Han 00).

Number of contacts

**4+**

80 A 830 V 8 kV 3  
 16 A 400 V 6 kV 3  
 + 2 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																								
		Male	Female																									
Han-Com®, Han® K 4/2, Screw termination, Contact surface: Silver plated 	1.5 ... 16, 0.5 ... 2.5 Signal	09 38 006 2601	09 38 006 2701	 <p>1) distance for contact max. 21 mm</p>  <p>11 ● 1 3 ● 3 2 ● 2 12 ● 4 4 ● 12</p> <p>M F</p> <p>Contact arrangement (view from termination side)</p> <table border="1"> <thead> <tr> <th colspan="3">Power contacts</th> </tr> <tr> <th>Conductor cross-section</th> <th>Tightening torque</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>1.5 mm<sup>2</sup></td> <td>1.2 Nm</td> <td>14 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>2 Nm</td> <td>14 mm</td> </tr> <tr> <td>4 mm<sup>2</sup></td> <td>3 Nm</td> <td>14 mm</td> </tr> <tr> <td>6 mm<sup>2</sup></td> <td>3 Nm</td> <td>14 mm</td> </tr> <tr> <td>10 mm<sup>2</sup></td> <td>3 Nm</td> <td>14 mm</td> </tr> <tr> <td>16 mm<sup>2</sup></td> <td>3 Nm</td> <td>14 mm</td> </tr> </tbody> </table> <p>Signal contacts :                      Stripping length 7.5 mm                      Tightening torque 0.5 Nm</p>	Power contacts			Conductor cross-section	Tightening torque	Stripping length	1.5 mm <sup>2</sup>	1.2 Nm	14 mm	2.5 mm <sup>2</sup>	2 Nm	14 mm	4 mm <sup>2</sup>	3 Nm	14 mm	6 mm <sup>2</sup>	3 Nm	14 mm	10 mm <sup>2</sup>	3 Nm	14 mm	16 mm <sup>2</sup>	3 Nm	14 mm
Power contacts																												
Conductor cross-section	Tightening torque	Stripping length																										
1.5 mm <sup>2</sup>	1.2 Nm	14 mm																										
2.5 mm <sup>2</sup>	2 Nm	14 mm																										
4 mm <sup>2</sup>	3 Nm	14 mm																										
6 mm <sup>2</sup>	3 Nm	14 mm																										
10 mm <sup>2</sup>	3 Nm	14 mm																										
16 mm <sup>2</sup>	3 Nm	14 mm																										

## Features

- Combination of signal and power in one connector
- Crimp termination for power and signal area
- Use of standard Han® C and Han D® contacts
- 16 coding options

## Technical characteristics

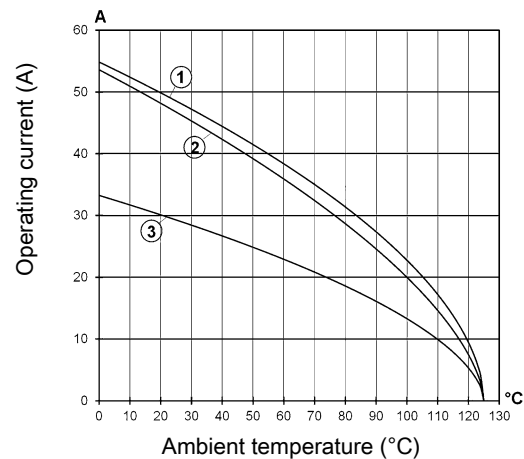
Number of contacts	6
Additional contacts	+ 12 additional signal contacts
Rated current	40 A
Rated voltage	690 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current (signal)	10 A
Rated voltage conductor-earth (signal)	230 V
Rated voltage conductor-conductor (signal)	400 V
Rated impulse voltage (signal)	4 kV
Pollution degree (signal)	3
Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 1 \text{ m}\Omega, \leq 3 \text{ m}\Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 500$
Wire outer diameter	$\leq 5 \text{ mm}$
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material (accessories)	Thermoplastic
Material flammability class acc. to UL 94	V-0
RoHS	compliant, compliant with exemption

## 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 Conductor cross-section 6 mm<sup>2</sup>
- ② Conductor cross-section 4 mm<sup>2</sup>
- ③ Conductor cross-section 2.5 mm<sup>2</sup>

## Specifications and approvals

EN 60664-1  
IEC 61984  
DNV GL

## Details

Contact resistance Han® C crimp contact:  $\leq 1 \text{ m}\Omega$

Contact resistance Han D® crimp contact:  $\leq 3 \text{ m}\Omega$

**Crimping tools** see chapter Han 90

### Remarks on the crimp technique


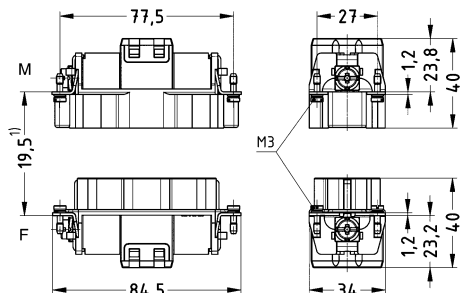
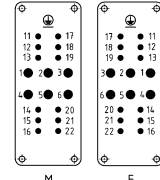

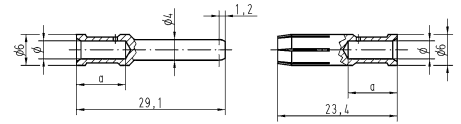

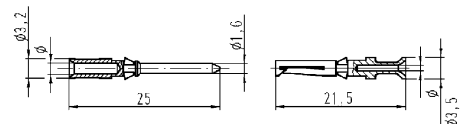
The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.


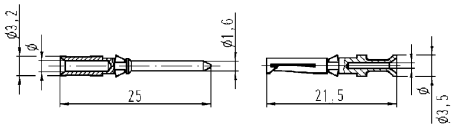
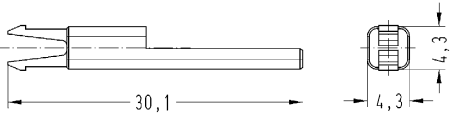
Number of contacts

# 6+

40 A 690 V 8 kV 3  
 10 A 230/400 V 4 kV 3  
 + 12 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																					
		Male	Female																						
Han-Com®, Han® K 6/12, Crimp termination  <p>Please order crimp contacts separately.                      Please order coding pins separately.</p>	1.5 ... 6, 0.14 ... 2.5 Signal	09 38 018 3002	09 38 018 3102	 <p>1) distance for contact max. 21 mm</p>  <p>11 17 12 18 13 19 14 20 15 21 16 22</p> <p>17 11 18 12 19 13 20 14 21 15 22 16</p> <p>M F</p> <p>Contact arrangement (view from termination side)</p>																					
Han® C, Crimp contact, Contact surface: Silver plated 	1.5 2.5 4 6	09 32 000 6104 09 32 000 6105 09 32 000 6107 09 32 000 6108	09 32 000 6204 09 32 000 6205 09 32 000 6207 09 32 000 6208	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>9.5 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>9.5 mm</td> </tr> <tr> <td>4 mm<sup>2</sup> AWG 12</td> <td>2.85 mm</td> <td>9.5 mm</td> </tr> <tr> <td>6 mm<sup>2</sup> AWG 10</td> <td>3.5 mm</td> <td>9.5 mm</td> </tr> <tr> <td>10 mm<sup>2</sup> AWG 8</td> <td>4.3 mm</td> <td>12 mm</td> </tr> </tbody> </table>	Conductor cross-section	∅	Stripping length	1.5 mm <sup>2</sup> AWG 16	1.75 mm	9.5 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	9.5 mm	4 mm <sup>2</sup> AWG 12	2.85 mm	9.5 mm	6 mm <sup>2</sup> AWG 10	3.5 mm	9.5 mm	10 mm <sup>2</sup> AWG 8	4.3 mm	12 mm			
Conductor cross-section	∅	Stripping length																							
1.5 mm <sup>2</sup> AWG 16	1.75 mm	9.5 mm																							
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6 mm <sup>2</sup> AWG 10	3.5 mm	9.5 mm																							
10 mm <sup>2</sup> AWG 8	4.3 mm	12 mm																							
Han D®, Crimp contact, Contact surface: Silver plated 	0.14 ... 0.37 0.5 0.75 1 1.5 2.5	09 15 000 6104 09 15 000 6103 09 15 000 6105 09 15 000 6102 09 15 000 6101 09 15 000 6106	09 15 000 6204 09 15 000 6203 09 15 000 6205 09 15 000 6202 09 15 000 6201 09 15 000 6206	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section	∅	Stripping length	0.14-0.37 mm <sup>2</sup> AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup> AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup> AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup> AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup> AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	6 mm
Conductor cross-section	∅	Stripping length																							
0.14-0.37 mm <sup>2</sup> AWG 26-22	0.9 mm	8 mm																							
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0.75 mm <sup>2</sup> AWG 18	1.3 mm	8 mm																							
1 mm <sup>2</sup> AWG 18	1.45 mm	8 mm																							
1.5 mm <sup>2</sup> AWG 16	1.75 mm	8 mm																							
2.5 mm <sup>2</sup> AWG 14	2.25 mm	6 mm																							

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																												
		Male	Female																													
Han D®, Crimp contact, Contact surface: Gold plated 	0.14 ... 0.37	09 15 000 6124	09 15 000 6224	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th></th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup></td> <td>AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup></td> <td>AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup></td> <td>AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section		∅	Stripping length	0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup>	AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup>	AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup>	AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup>	AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup>	AWG 14	2.25 mm	6 mm
	Conductor cross-section		∅		Stripping length																											
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2.5 mm <sup>2</sup>	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																														
Coding element		09 12 000 9922																														

## Features

- Combination of signal and power in one connector
- Axial screw termination for power area
- Screw termination for signal area

## Technical characteristics

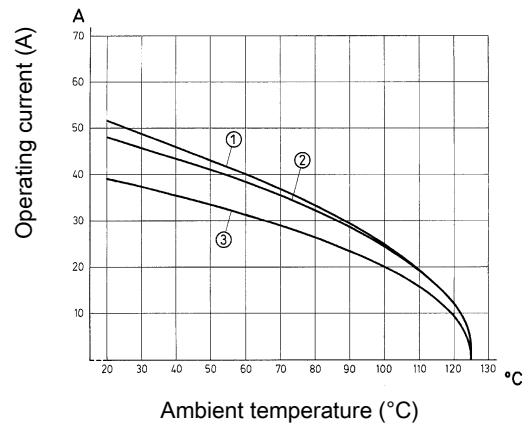
Number of contacts	6
Additional contacts	+ 12 additional signal contacts
Rated current	40 A
Rated voltage	690 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current (signal)	10 A
Rated voltage conductor-earth (signal)	230 V
Rated voltage conductor-conductor (signal)	400 V
Rated impulse voltage (signal)	4 kV
Pollution degree (signal)	3
Rated current acc. to UL	40 A
Rated current acc. to UL (signal)	10 A
Rated current acc. to CSA	40 A
Rated current acc. to CSA (signal)	10 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	600 V
Rated voltage acc. to CSA	300 V
Rated voltage acc. to CSA (signal)	300 V
Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 0.5 \text{ m}\Omega$
Contact resistance, signal area	$\leq 3 \text{ m}\Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 500$
Wire outer diameter	$\leq 6.1 \text{ mm}$
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption

## 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 Conductor cross-section 10 mm<sup>2</sup>
- ② Conductor cross-section 6 mm<sup>2</sup>
- ③ Conductor cross-section 4 mm<sup>2</sup>

## Specifications and approvals

EN 60664-1  
IEC 61984  
DNV GL

## Details

**Hoods/Housings** see chapter Han 31

**Hex key (A/F 2)** see chapter Han 90

### Remarks on the axial screw technique

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


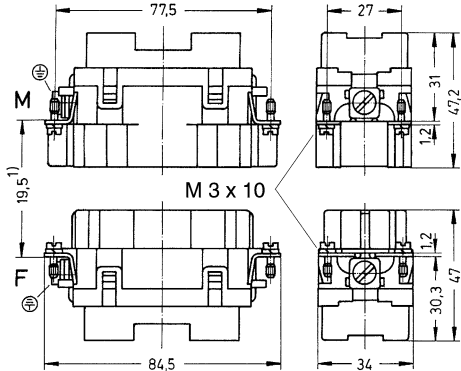

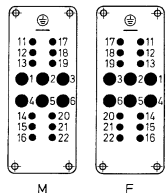


Number of contacts

# 6+

40 A 690 V 8 kV 3  
 10 A 230/400 V 4 kV 3  
 + 12 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																		
		Male	Female																			
Han-Com®, Han® K 6/12, Axial screw termination / screw termination, Contact surface: Silver plated 	2.5 ... 8, 0.2 ... 2.5 Signal	09 38 018 2601	09 38 018 2701	 <p>1) distance for contact max. 21 mm</p>																		
Han-Com®, Han® K 6/12, Axial screw termination / screw termination, Contact surface: Silver plated 	6 ... 10, 0.2 ... 2.5 Signal	09 38 018 2602	09 38 018 2702	 <p>11 17 17 11                  12 18 18 12                  13 19 19 13                  2 9 9 2                  3 2 2 3                  4 5 5 4                  14 20 20 14                  15 21 21 15                  16 22 22 16</p> <p>M F</p> <p>Contact arrangement (view from termination side)</p> <table border="1"> <thead> <tr> <th colspan="3">Power contacts</th> </tr> <tr> <th>Conductor cross-section</th> <th>Tightening torque</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>2.5 mm<sup>2</sup></td> <td>1.5 Nm</td> <td>5 ... 6 mm</td> </tr> <tr> <td>4 mm<sup>2</sup></td> <td>1.5 Nm</td> <td>5 ... 6 mm</td> </tr> <tr> <td>6 mm<sup>2</sup></td> <td>2 Nm</td> <td>5 ... 6 mm</td> </tr> <tr> <td>10 mm<sup>2</sup></td> <td>2 Nm</td> <td>5 ... 6 mm</td> </tr> </tbody> </table> <p>Signal contacts :                      Stripping length 7.5 mm                      Tightening torque 0.5 Nm</p>	Power contacts			Conductor cross-section	Tightening torque	Stripping length	2.5 mm <sup>2</sup>	1.5 Nm	5 ... 6 mm	4 mm <sup>2</sup>	1.5 Nm	5 ... 6 mm	6 mm <sup>2</sup>	2 Nm	5 ... 6 mm	10 mm <sup>2</sup>	2 Nm	5 ... 6 mm
Power contacts																						
Conductor cross-section	Tightening torque	Stripping length																				
2.5 mm <sup>2</sup>	1.5 Nm	5 ... 6 mm																				
4 mm <sup>2</sup>	1.5 Nm	5 ... 6 mm																				
6 mm <sup>2</sup>	2 Nm	5 ... 6 mm																				
10 mm <sup>2</sup>	2 Nm	5 ... 6 mm																				

## Features

- Combination of signal and power in one connector
- Crimp termination for power and signal area
- Use of standard Han® C and Han D® contacts

## Technical characteristics

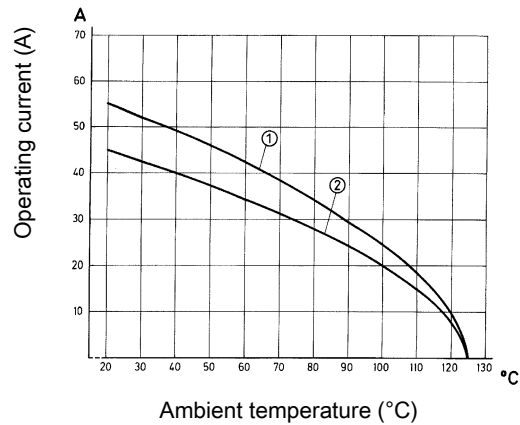
Number of contacts	6
Additional contacts	+ 36 additional signal contacts
Rated current	40 A
Rated voltage	690 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current (signal)	10 A
Rated voltage (signal)	160 V
Rated impulse voltage (signal)	2.5 kV
Pollution degree (signal)	3
Rated current acc. to UL	40 A
Rated current acc. to UL (signal)	10 A
Rated current acc. to CSA	40 A
Rated current acc. to CSA (signal)	10 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	600 V
Rated voltage acc. to CSA	300 V
Rated voltage acc. to CSA (signal)	300 V
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤1 mΩ, ≤3 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Wire outer diameter	≤5 mm
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant, compliant with exemption

## 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 Conductor cross-section 6 mm<sup>2</sup>
- ② Conductor cross-section 4 mm<sup>2</sup>

## Specifications and approvals

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

## Details

**Hoods/Housings** see chapter Han 31

Contact resistance Han D® crimp contact: ≤ 3 mOhm

Contact resistance Han® C crimp contact: ≤ 1 mOhm

**Crimping tools** see chapter Han 90

### Remarks on the crimp technique


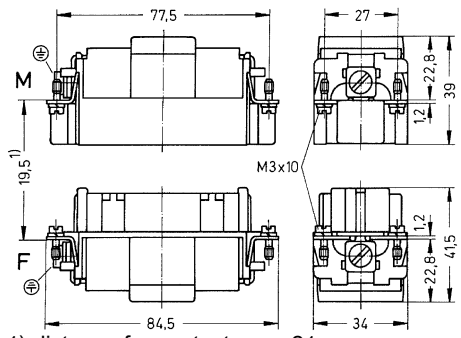
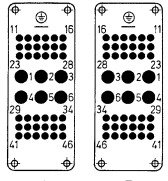
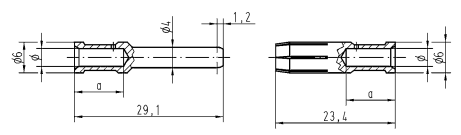

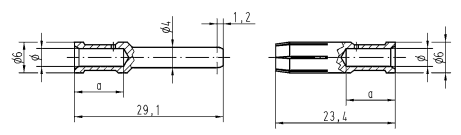

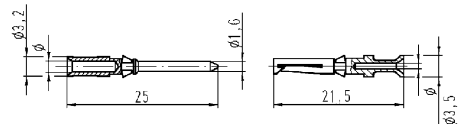
The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.

Number of contacts


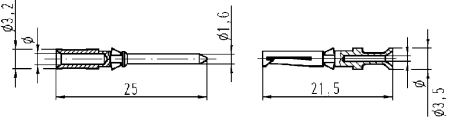

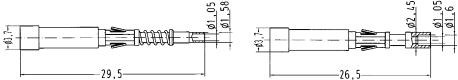
# 6+

40 A 690 V 8 kV 3  
 10 A 160 V 2.5 kV 3  
 + 36 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																					
		Male	Female																						
Han-Com®, Han® K 6/36, Crimp termination  <p>Please order crimp contacts separately.</p>	1.5 ... 6, 0.14 ... 2.5 Signal	09 38 042 3001	09 38 042 3101	 <p>1) distance for contact max. 21 mm</p>  <p>Contact arrangement (view from termination side)</p>  <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>9.5 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>9.5 mm</td> </tr> <tr> <td>4 mm<sup>2</sup> AWG 12</td> <td>2.85 mm</td> <td>9.5 mm</td> </tr> <tr> <td>6 mm<sup>2</sup> AWG 10</td> <td>3.5 mm</td> <td>9.5 mm</td> </tr> <tr> <td>10 mm<sup>2</sup> AWG 8</td> <td>4.3 mm</td> <td>12 mm</td> </tr> </tbody> </table>	Conductor cross-section	Ø	Stripping length	1.5 mm <sup>2</sup> AWG 16	1.75 mm	9.5 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	9.5 mm	4 mm <sup>2</sup> AWG 12	2.85 mm	9.5 mm	6 mm <sup>2</sup> AWG 10	3.5 mm	9.5 mm	10 mm <sup>2</sup> AWG 8	4.3 mm	12 mm			
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Han® C, Crimp contact, Contact surface: Silver plated 	1.5 2.5 4 6	09 32 000 6104 09 32 000 6105 09 32 000 6107 09 32 000 6108	09 32 000 6204 09 32 000 6205 09 32 000 6207 09 32 000 6208	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section	Ø	Stripping length	0.14-0.37 mm <sup>2</sup> AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup> AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup> AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup> AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup> AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	6 mm
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Han D®, Crimp contact, Contact surface: Silver plated 	0.14 ... 0.37 0.5 0.75 1 1.5 2.5	09 15 000 6104 09 15 000 6103 09 15 000 6105 09 15 000 6102 09 15 000 6101 09 15 000 6106	09 15 000 6204 09 15 000 6203 09 15 000 6205 09 15 000 6202 09 15 000 6201 09 15 000 6206	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section	Ø	Stripping length	0.14-0.37 mm <sup>2</sup> AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup> AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup> AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup> AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup> AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	6 mm
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Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																												
		Male	Female																													
Han D®, Crimp contact, Contact surface: Gold plated 	0.14 ... 0.37	09 15 000 6124	09 15 000 6224	 <table border="1" data-bbox="970 506 1417 678"> <thead> <tr> <th>Conductor cross-section</th> <th>AWG</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup></td> <td>AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup></td> <td>AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup></td> <td>AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section	AWG	Ø	Stripping length	0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup>	AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup>	AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup>	AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup>	AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup>	AWG 14	2.25 mm	6 mm
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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																														
FO contact, for 1 mm plastic fibre 		20 10 001 3211	20 10 001 3221	 <p>20 10 001 3211 + 20 10 001 3221</p>																												

## Features

- Combination of signal and power in one connector
- Crimp termination for power and signal area
- Use of standard Han® C and Han D® contacts

## Technical characteristics

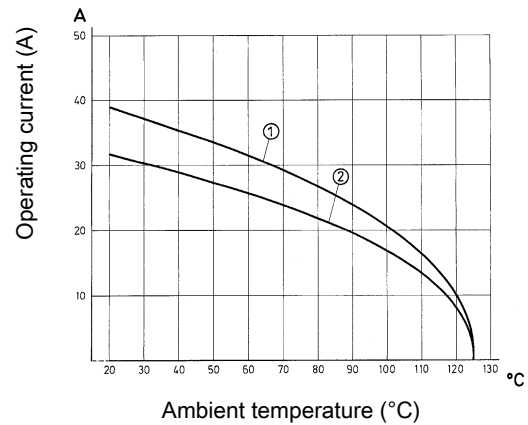
Number of contacts	12
Additional contacts	+ 2 additional signal contacts
Rated current	40 A
Rated voltage	690 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current (signal)	10 A
Rated voltage (signal)	250 V
Rated impulse voltage (signal)	4 kV
Pollution degree (signal)	3
Rated current acc. to UL	40 A
Rated current acc. to UL (signal)	10 A
Rated current acc. to CSA	40 A
Rated current acc. to CSA (signal)	10 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	600 V
Rated voltage acc. to CSA	300 V
Rated voltage acc. to CSA (signal)	300 V
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤1 mΩ, ≤3 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Wire outer diameter	≤5 mm
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant, compliant with exemption

## 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 Conductor cross-section 6 mm<sup>2</sup>  
 ② Conductor cross-section 4 mm<sup>2</sup>

## Specifications and approvals

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

## Details

**Hoods/Housings** see chapter Han 31

Contact resistance Han D® crimp contact: ≤ 3 mΩ

Contact resistance Han® C crimp contact: ≤ 1 mΩ

**Crimping tools** see chapter Han 90

### Remarks on the crimp technique

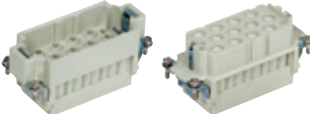
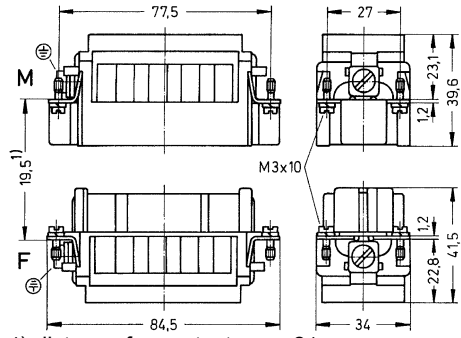
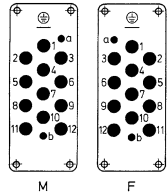

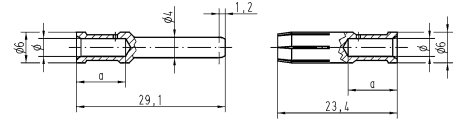

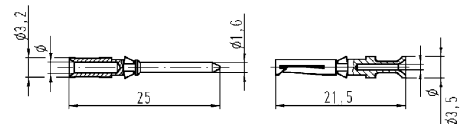
The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.


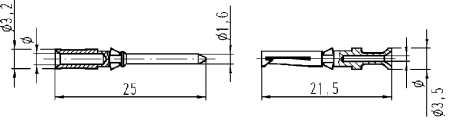


Number of contacts

# 12+

40 A 690 V 8 kV 3  
10 A 250 V 4 kV 3  
+ 2 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																					
		Male	Female																						
Han-Com®, Han® K 12/2, Crimp termination    Please order crimp contacts separately.	1.5 ... 6, 0.14 ... 2.5 Signal	09 32 012 3001	09 32 012 3101	 1) distance for contact max. 21 mm   Contact arrangement (view from termination side)																					
Han® C, Crimp contact, Contact surface: Silver plated  	1.5 2.5 4 6	09 32 000 6104 09 32 000 6105 09 32 000 6107 09 32 000 6108	09 32 000 6204 09 32 000 6205 09 32 000 6207 09 32 000 6208	  <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>9.5 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>9.5 mm</td> </tr> <tr> <td>4 mm<sup>2</sup> AWG 12</td> <td>2.85 mm</td> <td>9.5 mm</td> </tr> <tr> <td>6 mm<sup>2</sup> AWG 10</td> <td>3.5 mm</td> <td>9.5 mm</td> </tr> <tr> <td>10 mm<sup>2</sup> AWG 8</td> <td>4.3 mm</td> <td>12 mm</td> </tr> </tbody> </table>	Conductor cross-section	∅	Stripping length	1.5 mm <sup>2</sup> AWG 16	1.75 mm	9.5 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	9.5 mm	4 mm <sup>2</sup> AWG 12	2.85 mm	9.5 mm	6 mm <sup>2</sup> AWG 10	3.5 mm	9.5 mm	10 mm <sup>2</sup> AWG 8	4.3 mm	12 mm			
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Han D®, Crimp contact, Contact surface: Silver plated  	0.14 ... 0.37 0.5 0.75 1 1.5 2.5	09 15 000 6104 09 15 000 6103 09 15 000 6105 09 15 000 6102 09 15 000 6101 09 15 000 6106	09 15 000 6204 09 15 000 6203 09 15 000 6205 09 15 000 6202 09 15 000 6201 09 15 000 6206	  <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section	∅	Stripping length	0.14-0.37 mm <sup>2</sup> AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup> AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup> AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup> AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup> AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	6 mm
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1.5 mm <sup>2</sup> AWG 16	1.75 mm	8 mm																							
2.5 mm <sup>2</sup> AWG 14	2.25 mm	6 mm																							

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																															
		Male	Female																																
Han D®, Crimp contact, Contact surface: Gold plated 	0.14 ... 0.37	09 15 000 6124	09 15 000 6224	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>AWG</th> <th>ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup></td> <td>AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup></td> <td>AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup></td> <td>AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section	AWG	ø	Stripping length	0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup>	AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup>	AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup>	AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup>	AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup>	AWG 14	2.25 mm	6 mm	0.5	09 15 000 6123	09 15 000 6223
	Conductor cross-section	AWG	ø		Stripping length																														
	0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.9 mm		8 mm																														
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2.5 mm <sup>2</sup>	AWG 14	2.25 mm	6 mm																																
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																																	
FO contact, for 1 mm plastic fibre 		20 10 001 3211	20 10 001 3221	 20 10 001 3211 + 20 10 001 3221																															

Han-Com

## Features

- Combination of signal and power in one connector
- Crimp termination for power and signal area
- Han® C power contacts
- Han E® power contacts
- Han D® signal contacts

## Technical characteristics

Number of contacts	18
Additional contacts	+ 18 additional signal contacts
Rated current	40 A, 16 A
Rated voltage	830 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current (signal)	10 A
Rated voltage (signal)	250 V
Rated impulse voltage (signal)	4 kV
Pollution degree (signal)	3
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤1 mΩ, ≤3 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant, compliant with exemption

## Specifications and approvals

EN 60664-1  
IEC 61984  
DNV GL

## Details

Contact resistance Han D® crimp contact: ≤ 3 mΩ

Contact resistance Han E® crimp contact: ≤ 1 mΩ

Contact resistance Han® C crimp contact: ≤ 1 mΩ

**Crimping tools** see chapter Han 90

### Remarks on the crimp technique

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


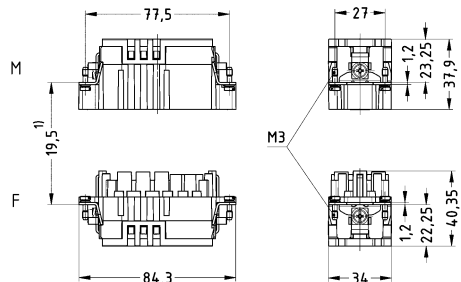
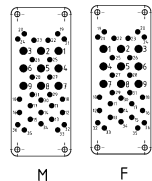

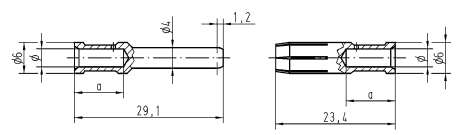

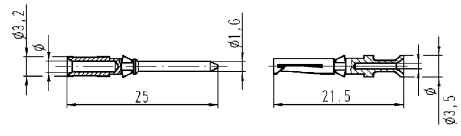


Number of contacts

# 18+


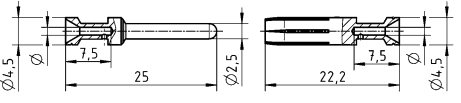
40 A 830 V 8 kV 3 16 A 830 V 8 kV 3  
 10 A 250 V 4 kV 3  
 + 18 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																					
		Male	Female																						
Han-Com®, Han® K 9/9/18, Crimp termination  <p>Please order crimp contacts separately.                      To ensure a preleading PE-contact under all conditions, it is necessary to use guide pins/bushes (09 33 000 9908 / 09 33 000 9909).</p>	1.5 ... 6, 0.14 ... 4, 0.14 ... 2.5 Signal	09 38 036 3001	09 38 036 3101	 <p>1) distance for contact max. 21 mm</p>  <p>Contact arrangement (view from termination side)</p>																					
Han® C, Crimp contact, Contact surface: Silver plated 	1.5 2.5 4 6	09 32 000 6104 09 32 000 6105 09 32 000 6107 09 32 000 6108	09 32 000 6204 09 32 000 6205 09 32 000 6207 09 32 000 6208	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>9.5 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>9.5 mm</td> </tr> <tr> <td>4 mm<sup>2</sup> AWG 12</td> <td>2.85 mm</td> <td>9.5 mm</td> </tr> <tr> <td>6 mm<sup>2</sup> AWG 10</td> <td>3.5 mm</td> <td>9.5 mm</td> </tr> <tr> <td>10 mm<sup>2</sup> AWG 8</td> <td>4.3 mm</td> <td>12 mm</td> </tr> </tbody> </table>	Conductor cross-section	ø	Stripping length	1.5 mm <sup>2</sup> AWG 16	1.75 mm	9.5 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	9.5 mm	4 mm <sup>2</sup> AWG 12	2.85 mm	9.5 mm	6 mm <sup>2</sup> AWG 10	3.5 mm	9.5 mm	10 mm <sup>2</sup> AWG 8	4.3 mm	12 mm			
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Han D®, Crimp contact, Contact surface: Silver plated 	0.14 ... 0.37 0.5 0.75 1 1.5 2.5	09 15 000 6104 09 15 000 6103 09 15 000 6105 09 15 000 6102 09 15 000 6101 09 15 000 6106	09 15 000 6204 09 15 000 6203 09 15 000 6205 09 15 000 6202 09 15 000 6201 09 15 000 6206	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Conductor cross-section	ø	Stripping length	0.14-0.37 mm <sup>2</sup> AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup> AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup> AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup> AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup> AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	6 mm
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Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																		
		Male	Female																			
Han E®, Crimp contact, Contact surface: Silver plated 	0.14 ... 0.37	09 33 000 6127	09 33 000 6227	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Identification</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>no groove</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>no groove</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1 groove*</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1 groove</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>2 groove</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>3 groove</td> </tr> <tr> <td>3 mm<sup>2</sup> AWG 12</td> <td>wide groove</td> </tr> <tr> <td>4 mm<sup>2</sup> AWG 12</td> <td>no groove</td> </tr> </tbody> </table> <p>* on the back crimp collar</p> <p>Stripping length 7.5 mm</p>	Conductor cross-section	Identification	0.14-0.37 mm <sup>2</sup> AWG 26-22	no groove	0.5 mm <sup>2</sup> AWG 20	no groove	0.75 mm <sup>2</sup> AWG 18	1 groove*	1 mm <sup>2</sup> AWG 18	1 groove	1.5 mm <sup>2</sup> AWG 16	2 groove	2.5 mm <sup>2</sup> AWG 14	3 groove	3 mm <sup>2</sup> AWG 12	wide groove	4 mm <sup>2</sup> AWG 12	no groove
	Conductor cross-section	Identification																				
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3 mm <sup>2</sup> AWG 12	wide groove																					
4 mm <sup>2</sup> AWG 12	no groove																					
0.5	09 33 000 6121	09 33 000 6220																				
0.75	09 33 000 6114	09 33 000 6214																				
1	09 33 000 6105	09 33 000 6205																				
1.5	09 33 000 6104	09 33 000 6204																				
2.5	09 33 000 6102	09 33 000 6202																				
3	09 33 000 6106	09 33 000 6206																				
4	09 33 000 6107	09 33 000 6207																				

## Features

- Combination of signal and power in one connector
- Screw termination for power and signal area

## Technical characteristics

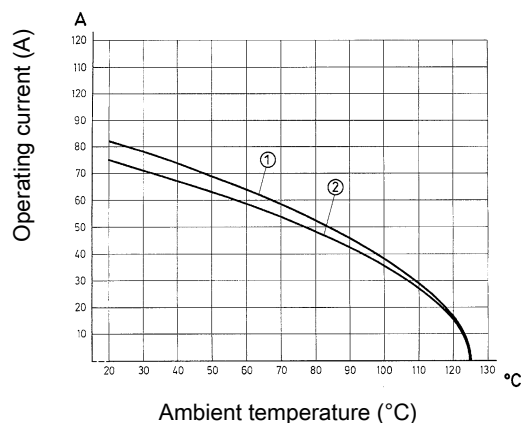
Number of contacts	4
Additional contacts	+ 8 additional signal contacts
Rated current	80 A
Rated voltage	400 V
Rated impulse voltage	6 kV
Pollution degree	3
Rated current (signal)	16 A
Rated voltage (signal)	400 V
Rated impulse voltage (signal)	6 kV
Pollution degree (signal)	3
Rated current acc. to UL	80 A
Rated current acc. to UL (signal)	16 A
Rated current acc. to CSA	80 A
Rated current acc. to CSA (signal)	16 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	600 V
Rated voltage acc. to CSA	600 V
Rated voltage acc. to CSA (signal)	600 V
Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 0.3 \text{ m}\Omega$
Contact resistance, signal area	$\leq 1 \text{ m}\Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 500$
Material (insert)	Polyamide (PA)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	HB
RoHS	compliant with exemption

## 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 Conductor cross-section 16 mm<sup>2</sup>  
 ② Conductor cross-section 10 mm<sup>2</sup>

## Specifications and approvals

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

## Details

**Hoods/Housings** see chapter Han 31

In accordance with the appropriate regulations a wire-end sleeve has to be used at clamps without wire protection (see "screw terminal", chapter Han 00).

Number of contacts

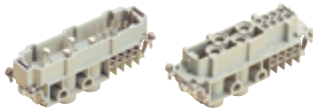
**4+**

80 A 400 V 6 kV 3  
 16 A 400 V 6 kV 3  
 + 8 additional signal contacts

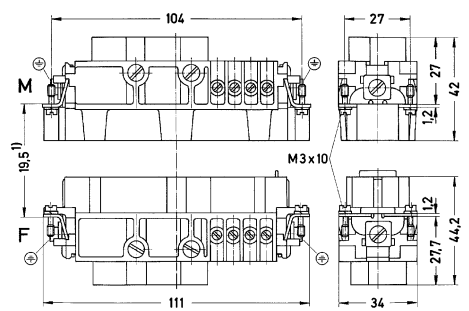
Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	

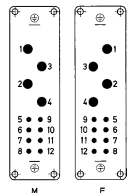
Han-Com®,  
 Han® K 4/8,  
 Screw termination,  
 Contact surface:  
 Silver plated



1.5 ... 16, 0.5 ... 2.5 Signal	09 38 012 2601	09 38 012 2701
--------------------------------------	----------------	----------------



1) distance for contact max. 21 mm



Contact arrangement (view from termination side)

Power contacts		
Conductor cross-section	Tightening torque	Stripping length
1.5 mm <sup>2</sup>	1.2 Nm	14 mm
2.5 mm <sup>2</sup>	2 Nm	14 mm
4 mm <sup>2</sup>	3 Nm	14 mm
6 mm <sup>2</sup>	3 Nm	14 mm
10 mm <sup>2</sup>	3 Nm	14 mm
16 mm <sup>2</sup>	3 Nm	14 mm

Signal contacts :  
 Stripping length 7.5 mm  
 Tightening torque 0.5 Nm

## Features

- Combination of signal and power in one connector
- Crimp termination for power and signal area
- Use of standard Han® TC 100 and Han E® contacts
- 16 coding options

## Technical characteristics

Number of contacts	6
Additional contacts	+ 6 additional signal contacts
Rated current	100 A
Rated voltage	690 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current (signal)	16 A
Rated voltage (signal)	400 V
Rated impulse voltage (signal)	6 kV
Pollution degree (signal)	3
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤1 mΩ, ≤0.3 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Wire outer diameter	≤12.8 mm
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material (accessories)	Thermoplastic
Material flammability class acc. to UL 94	V-0
RoHS	compliant, compliant with exemption

## Specifications and approvals

EN 60664-1  
IEC 61984  
DNV GL

## Details

Contact resistance Han E® crimp contact: ≤ 1 mOhm

Contact resistance TC 100: ≤ 0.3 mOhm

For more technical details (i.e. number of crimping operations or crimping position) see eCatalogue

**Crimping tools** see chapter Han 90

### Remarks on the crimp technique


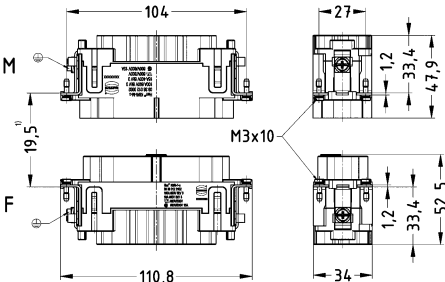
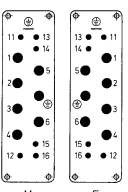
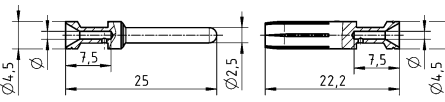

The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.


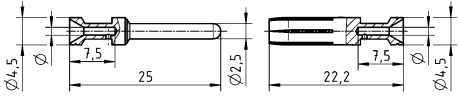
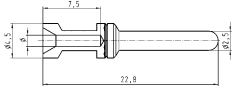


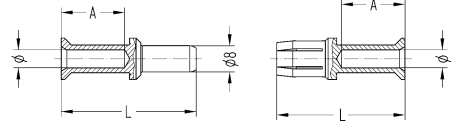

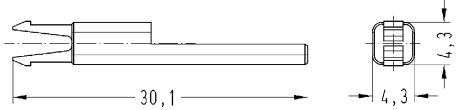
Number of contacts

# 6+

100 A 690 V 8 kV 3  
 16 A 400 V 6 kV 3  
 + 6 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																		
		Male	Female																			
Han-Com®, Han® K 6/6, Crimp termination  <p>Please order crimp contacts separately.                      Please order coding pins separately.</p>	10 ... 25, 0.14 ... 2.5 Signal	09 38 012 3002	09 38 012 3102	 <p>1) distance for contact max. 21 mm</p>  <p>Contact arrangement (view from termination side)</p>  <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Identification</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>no groove</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>no groove</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1 groove*</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1 groove</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>2 groove</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>3 groove</td> </tr> <tr> <td>3 mm<sup>2</sup> AWG 12</td> <td>wide groove</td> </tr> <tr> <td>4 mm<sup>2</sup> AWG 12</td> <td>no groove</td> </tr> </tbody> </table> <p>* on the back crimp collar</p> <p>Stripping length 7.5 mm</p>	Conductor cross-section	Identification	0.14-0.37 mm <sup>2</sup> AWG 26-22	no groove	0.5 mm <sup>2</sup> AWG 20	no groove	0.75 mm <sup>2</sup> AWG 18	1 groove*	1 mm <sup>2</sup> AWG 18	1 groove	1.5 mm <sup>2</sup> AWG 16	2 groove	2.5 mm <sup>2</sup> AWG 14	3 groove	3 mm <sup>2</sup> AWG 12	wide groove	4 mm <sup>2</sup> AWG 12	no groove
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Han E®, Crimp contact, Contact surface: Silver plated 	0.5 0.75 1 1.5 2.5 4	09 33 000 6121 09 33 000 6114 09 33 000 6105 09 33 000 6104 09 33 000 6102 09 33 000 6107	09 33 000 6220 09 33 000 6214 09 33 000 6205 09 33 000 6204 09 33 000 6202 09 33 000 6207																			

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																																	
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Han E®, Crimp contact, Contact surface: Gold plated 	0.5	09 33 000 6122	09 33 000 6222	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Identification</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup> AWG 26-22</td> <td>no groove</td> </tr> <tr> <td>0.5 mm<sup>2</sup> AWG 20</td> <td>no groove</td> </tr> <tr> <td>0.75 mm<sup>2</sup> AWG 18</td> <td>1 groove*</td> </tr> <tr> <td>1 mm<sup>2</sup> AWG 18</td> <td>1 groove</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>2 groove</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>3 groove</td> </tr> <tr> <td>3 mm<sup>2</sup> AWG 12</td> <td>wide groove</td> </tr> <tr> <td>4 mm<sup>2</sup> AWG 12</td> <td>no groove</td> </tr> </tbody> </table> <p>* on the back crimp collar</p> <p>Stripping length 7.5 mm</p>  <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.75-1 mm<sup>2</sup> AWG 18</td> <td>1.45 mm</td> <td>7.5 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>7.5 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>7.5 mm</td> </tr> </tbody> </table>	Conductor cross-section	Identification	0.14-0.37 mm <sup>2</sup> AWG 26-22	no groove	0.5 mm <sup>2</sup> AWG 20	no groove	0.75 mm <sup>2</sup> AWG 18	1 groove*	1 mm <sup>2</sup> AWG 18	1 groove	1.5 mm <sup>2</sup> AWG 16	2 groove	2.5 mm <sup>2</sup> AWG 14	3 groove	3 mm <sup>2</sup> AWG 12	wide groove	4 mm <sup>2</sup> AWG 12	no groove	Conductor cross-section	Ø	Stripping length	0.75-1 mm <sup>2</sup> AWG 18	1.45 mm	7.5 mm	1.5 mm <sup>2</sup> AWG 16	1.75 mm	7.5 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	7.5 mm	0.75	09 33 000 6115	09 33 000 6215
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Han E®, Crimp contact, Relay contact, Contact surface: Silver plated 	0.75 ... 1	09 33 000 6109		<table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.75-1 mm<sup>2</sup> AWG 18</td> <td>1.45 mm</td> <td>7.5 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.75 mm</td> <td>7.5 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.25 mm</td> <td>7.5 mm</td> </tr> </tbody> </table>	Conductor cross-section	Ø	Stripping length	0.75-1 mm <sup>2</sup> AWG 18	1.45 mm	7.5 mm	1.5 mm <sup>2</sup> AWG 16	1.75 mm	7.5 mm	2.5 mm <sup>2</sup> AWG 14	2.25 mm	7.5 mm	1.5	09 33 000 6110																			
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TC 100, Crimp contact, Contact surface: Silver plated 	10	09 11 000 6114	09 11 000 6214	 <table border="1"> <thead> <tr> <th>Conductor cross-section</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>10 mm<sup>2</sup></td> <td>4.3</td> <td>19 mm</td> </tr> <tr> <td>16 mm<sup>2</sup></td> <td>5.5</td> <td>19 mm</td> </tr> <tr> <td>25 mm<sup>2</sup></td> <td>7</td> <td>19 mm</td> </tr> <tr> <td>35 mm<sup>2</sup></td> <td>8.2</td> <td>16 mm</td> </tr> </tbody> </table> <p>for stranded wire according to IEC 60 228 Class 5</p>	Conductor cross-section	Ø	Stripping length	10 mm <sup>2</sup>	4.3	19 mm	16 mm <sup>2</sup>	5.5	19 mm	25 mm <sup>2</sup>	7	19 mm	35 mm <sup>2</sup>	8.2	16 mm	16	09 11 000 6116	09 11 000 6216															
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	25	09 11 000 6125	09 11 000 6225																																		
	35	09 11 000 6529	09 11 000 6629																																		
Coding element 		09 12 000 9922																																			

## Features

- Combination of signal and power in one connector
- Axial screw termination for power area
- Screw termination for signal area

## Technical characteristics

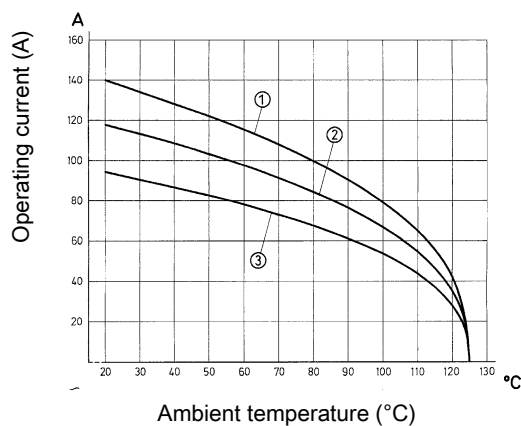
Number of contacts	6
Additional contacts	+ 6 additional signal contacts
Rated current	100 A
Rated voltage	690 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current (signal)	16 A
Rated voltage (signal)	400 V
Rated impulse voltage (signal)	6 kV
Pollution degree (signal)	3
Rated current acc. to UL	100 A
Rated current acc. to UL (signal)	16 A
Rated current acc. to CSA	100 A
Rated current acc. to CSA (signal)	15 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL (signal)	300 V
Rated voltage acc. to CSA	600 V
Rated voltage acc. to CSA (signal)	600 V
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤0.5 mΩ
Contact resistance, signal area	≤3 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Wire outer diameter	≤11.4 mm
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption

## 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 Conductor cross-section 35 mm<sup>2</sup>
- ② Conductor cross-section 25 mm<sup>2</sup>
- ③ Conductor cross-section 16 mm<sup>2</sup>

## Specifications and approvals

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

## Details

**Hoods/Housings** see chapter Han 31

**Hex key (A/F 4)** see chapter Han 90

**Adapter 3/8"** 09 99 000 0370 see chapter Han 90


### Remarks on the axial screw technique

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




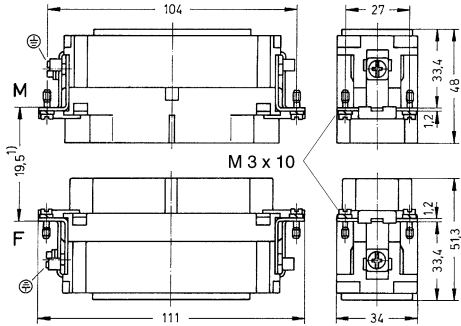
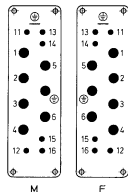
Number of contacts

# 6+



100 A 690 V 8 kV 3  
 16 A 400 V 6 kV 3  
 + 6 additional signal contacts

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)															
		Male	Female																
Han-Com®, Han® K 6/6, Axial screw termination / screw termination, Contact surface: Silver plated 	16 ... 35, 0.2 ... 2.5 Signal	09 38 012 2651	09 38 012 2751	 <p>1) distance for contact max. 21 mm</p>  <p>11 • 13 14 • 1 2 • 5 3 • 6 4 • 8 12 • 15 16 • 12</p> <p>13 • 11 14 • 1 5 • 2 6 • 3 8 • 4 15 • 12 16 • 12</p> <p>M F</p> <p>Contact arrangement (view from termination side)</p> <table border="1"> <thead> <tr> <th colspan="3">Power contacts</th> </tr> <tr> <th>Conductor cross-section</th> <th>Tightening torque</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>16 mm<sup>2</sup></td> <td>6 Nm</td> <td>13 ... 14 mm</td> </tr> <tr> <td>25 mm<sup>2</sup></td> <td>7 Nm</td> <td>13 ... 14 mm</td> </tr> <tr> <td>35 mm<sup>2</sup></td> <td>8 Nm</td> <td>13 ... 14 mm</td> </tr> </tbody> </table> <p>Signal contacts :                      Stripping length 7.5 mm                      Tightening torque 0.5 Nm</p>	Power contacts			Conductor cross-section	Tightening torque	Stripping length	16 mm <sup>2</sup>	6 Nm	13 ... 14 mm	25 mm <sup>2</sup>	7 Nm	13 ... 14 mm	35 mm <sup>2</sup>	8 Nm	13 ... 14 mm
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35 mm <sup>2</sup>	8 Nm	13 ... 14 mm																	

## Features

- Axial screw termination
- No signal contacts

## Technical characteristics

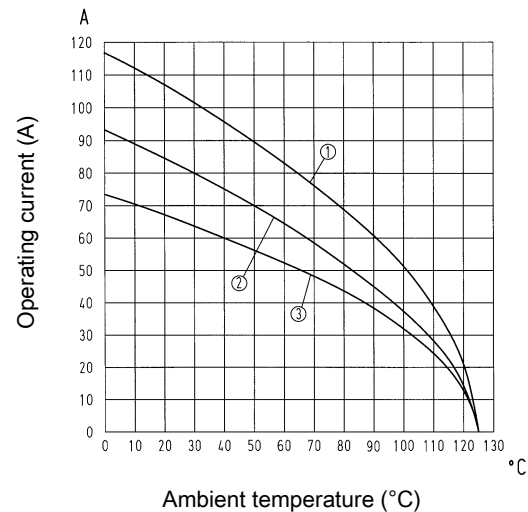
Number of contacts	8
Rated current	100 A
Rated voltage	690 V
Rated impulse voltage	8 kV
Pollution degree	3
Rated current acc. to UL	82 A
Rated current acc. to CSA	100 A
Rated voltage acc. to UL	600 V
Rated voltage acc. to CSA	600 V
Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 0.5 \text{ m}\Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 500$
Wire outer diameter	$\leq 11.4 \text{ mm}$
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material (contacts)	Copper alloy
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption

## 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 Conductor cross-section 25 mm<sup>2</sup>
- ② Conductor cross-section 16 mm<sup>2</sup>
- ③ Conductor cross-section 10 mm<sup>2</sup>

## Specifications and approvals

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

## Details

**Hoods/Housings** see chapter Han 31

**Hex key (A/F 4)** see chapter Han 90

**Adapter 3/8"** 09 99 000 0370 see chapter Han 90

### Remarks on the axial screw technique

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

Number of contacts

# 8+

100 A 690 V 8 kV 3

Han-Com

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)															
		Male	Female																
Han-Com®, Han® K 8/0, Axial screw termination, Contact surface: Silver plated	10 ... 25	09 38 008 2653	09 38 008 2753	<p>1) distance for contact max. 21 mm</p> <p>M 3 x 10</p> <p>M F</p> <p>Contact arrangement (view from termination side)</p> <table border="1"> <thead> <tr> <th colspan="3">Power contacts</th> </tr> <tr> <th>Conductor cross-section</th> <th>Tightening torque</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>10 mm<sup>2</sup></td> <td>6 Nm</td> <td>13 ... 14 mm</td> </tr> <tr> <td>16 mm<sup>2</sup></td> <td>6 Nm</td> <td>13 ... 14 mm</td> </tr> <tr> <td>25 mm<sup>2</sup></td> <td>7 Nm</td> <td>13 ... 14 mm</td> </tr> </tbody> </table>	Power contacts			Conductor cross-section	Tightening torque	Stripping length	10 mm <sup>2</sup>	6 Nm	13 ... 14 mm	16 mm <sup>2</sup>	6 Nm	13 ... 14 mm	25 mm <sup>2</sup>	7 Nm	13 ... 14 mm
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