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Han  
HsB

## Features

- Suitable for power supply applications
- Crimp termination
- Screw termination with wire protection
- Termination with standard screw driver

## Technical characteristics

Number of contacts	6, 12
Rated current	35 A
Rated voltage conductor-earth	400 V
Rated voltage conductor-conductor	690 V
Rated impulse voltage	6 kV
Pollution degree	3
Rated voltage acc. to UL	600 V
Rated voltage acc. to CSA	600 V
Insulation resistance	>10 <sup>10</sup> Ω
Contact resistance	≤1 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 with exemption

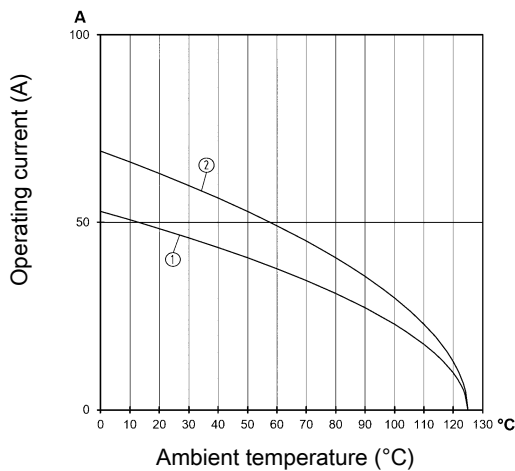
## Derating

### 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

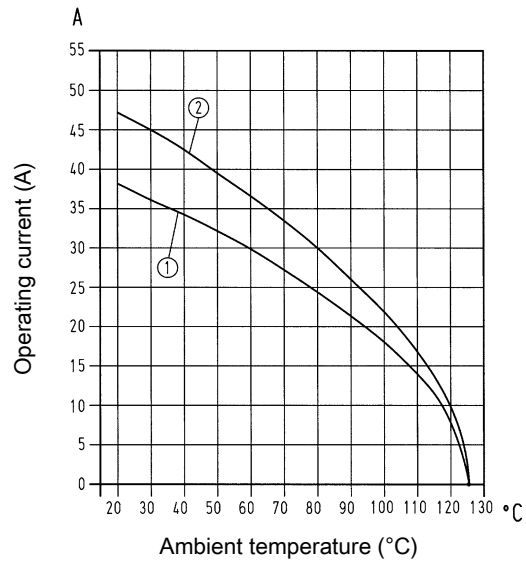
Crimp termination



- ① Conductor cross-section 6 mm<sup>2</sup>
- ② Conductor cross-section 10 mm<sup>2</sup>

## Derating

Screw termination



- ① Conductor cross-section 4 mm<sup>2</sup>
- ② Conductor cross-section 6 mm<sup>2</sup>

## Specifications and approvals


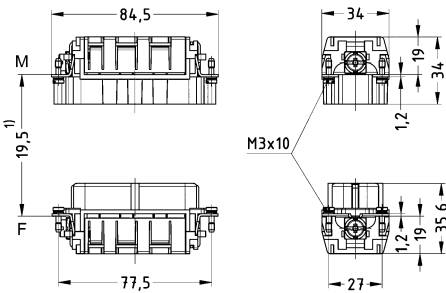
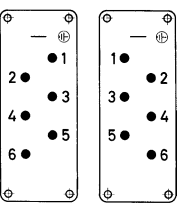
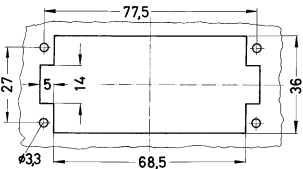
EN 60664-1  
 IEC 61984  
 UL 1977 ECBT2.E235076  
 CSA-C22.2 No. 182.3 ECBT8.E235076  
 UL 2237 PVVA2.E318390  
 CSA-C22.2 No. 182.3 PVVA8.E318390

Number of contacts


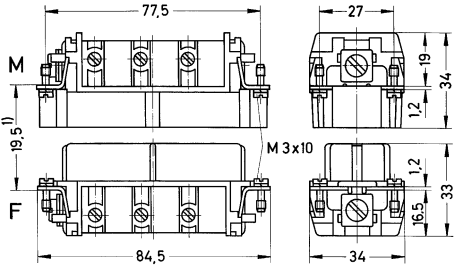
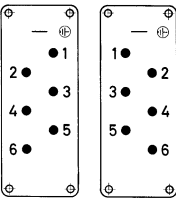
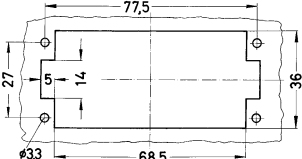
**6+**

35 A 400/690 V 6 kV 3  
35 A 500 V 6 kV 3

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Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	
<p>Han® HsB, Crimp termination</p>  <p>Please order crimp contacts separately.</p>	1.5 ... 10	09 31 006 3001	09 31 006 3101	 <p>1) distance for contact max. 21 mm</p>  <p>M F Contact arrangement (view from termination side)</p>  <p>Panel cut out for use without Hoods/Housings</p>

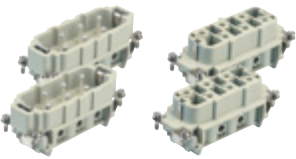
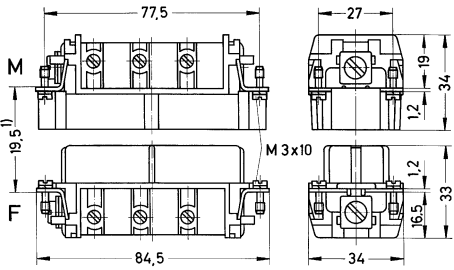
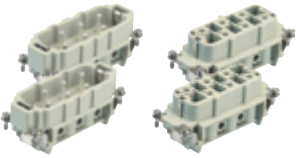
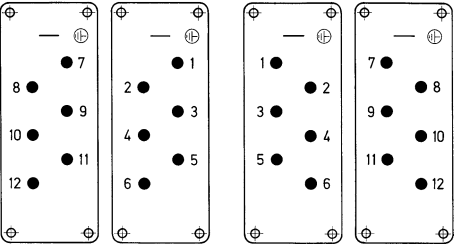
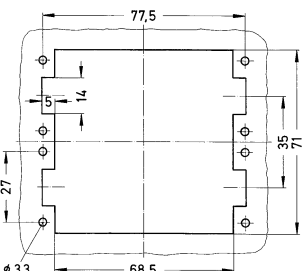
Han  
HsB

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	
Han® HsB, Screw termination, With wire protection, Contact surface: Silver plated 	1.5 ... 6	09 31 006 2601	09 31 006 2701	 <p>1) distance for contact max. 21 mm Tightening torque Clamping screw 1.2 Nm</p>  <p>M F Contact arrangement (view from termination side)</p>  <p>Panel cut out for use without Hoods/Housings</p>

Number of contacts

12+

35 A 400/690 V 6 kV 3  
35 A 500 V 6 kV 3


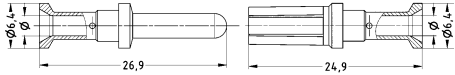
Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	
<p>Han® HsB, Screw termination, With wire protection, 1 ... 6</p> <p>Contact surface: Silver plated</p>  <p>You need two inserts for a complete assembly!</p>	1.5 ... 6	09 31 006 2601	09 31 006 2701	 <p>1) distance for contact max. 21 mm Tightening torque Clamping screw 1.2 Nm</p>
<p>Han® HsB, Continuing marking, Screw termination, With wire protection, 7 ... 12</p> <p>Contact surface: Silver plated</p>  <p>You need two inserts for a complete assembly!</p>	1.5 ... 6	09 31 006 2611	09 31 006 2711	 <p>M F</p> <p>Contact arrangement (view from termination side)</p>  <p>Panel cut out for use without Hoods/Housings</p>

## Technical characteristics

Contact resistance  $\leq 1 \text{ m}\Omega$   
 Material (contacts) Copper alloy

## Specifications and approvals

EN 60664-1  
 IEC 61984




Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)																		
		Male	Female																			
Han® HsB, Crimp contact, Contact surface: Silver plated 	1.5	09 31 000 6104	09 31 000 6204	 <table border="1" data-bbox="965 931 1422 1099"> <thead> <tr> <th>Wire gauge</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>1.5 mm<sup>2</sup> AWG 16</td> <td>1.78 mm</td> <td>9.5 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup> AWG 14</td> <td>2.28 mm</td> <td>9.5 mm</td> </tr> <tr> <td>4 mm<sup>2</sup> AWG 12</td> <td>2.88 mm</td> <td>9.5 mm</td> </tr> <tr> <td>6 mm<sup>2</sup> AWG 10</td> <td>3.53 mm</td> <td>9.5 mm</td> </tr> <tr> <td>10 mm<sup>2</sup> AWG 8</td> <td>4.33 mm</td> <td>9.5 mm</td> </tr> </tbody> </table>	Wire gauge	Ø	Stripping length	1.5 mm <sup>2</sup> AWG 16	1.78 mm	9.5 mm	2.5 mm <sup>2</sup> AWG 14	2.28 mm	9.5 mm	4 mm <sup>2</sup> AWG 12	2.88 mm	9.5 mm	6 mm <sup>2</sup> AWG 10	3.53 mm	9.5 mm	10 mm <sup>2</sup> AWG 8	4.33 mm	9.5 mm
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4	09 31 000 6101	09 31 000 6201																				
6	09 31 000 6102	09 31 000 6202																				
10	09 31 000 6103	09 31 000 6203																				

## Details

The professional tool for big cross-sections.

## Details

The professional tool for crimping Han® HsB contacts.

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number	
Crimping tool, Han® C: 4 ... 10 mm <sup>2</sup> , Pack contents: incl. locator	4 ... 10	09 99 000 0377	
Crimping tool, Han® HsB: 1.5 ... 4 mm <sup>2</sup> , Pack contents: incl. locator	1.5 ... 4	09 99 000 0986	
Locator, for part number 09 99 000 0377, Han® HsB: 4 ... 10 mm <sup>2</sup>		09 99 000 0985	
Removal tool, Han® HsB		09 99 000 0987	