

Specifications

DIN VDE 0627
DIN VDE 0110
DIN EN 61 984

Approvals



Inserts

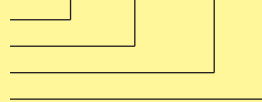
Number of contacts 4 / 8 + PE

Electrical data
acc. to DIN EN 61 984

Power area

80 A 400 V 6 kV 3

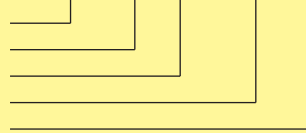
Working current
Working voltage
Rated impulse voltage
Pollution degree



Signal area

16 A 230/400 V 4 kV 3

Working current
Working voltage conductor – ground
Working voltage conductor – conductor
Rated impulse voltage
Pollution degree



– Pollution degree 2 also 80 A 400/690 V 6 kV 2

Working voltage
acc. to UL/CSA 600 V / 600 V

Insulation resistance $\geq 10^{10} \Omega$
Material Polyamide
Temperature range - 40 °C ... +125 °C
Flammability acc. to UL 94 HB
Mechanical working life
- Mating cycles ≥ 500

Contacts

Material copper alloy
Surface
- hard-silver plated 3 μm Ag
Contact resistance $\leq 0.3 \text{ m}\Omega / 1 \text{ m}\Omega$
Screw terminal
- mm² 1.5 - 16 mm² / 0.5 - 2.5 mm²
- AWG 16 - 6 / 20 - 14
- Tightening torque 0.8 Nm / 0.5 Nm

Hoods/Housings

Material die cast aluminium
Surface powder-coated
RAL 7037
Locking element Han-Easy Lock®
Hoods/Housings seal NBR
Temperature range - 40 °C ... +125 °C
Degree of protection
acc. to DIN EN 60 529
for coupled connector IP 65

Further selection
of hoods/housings chapter 30 / chapter 31

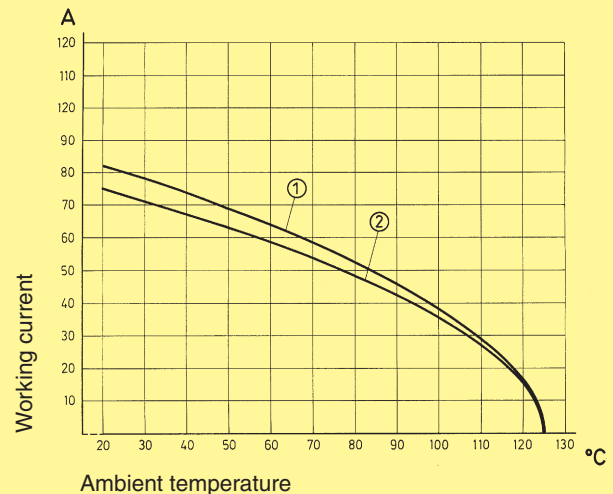
Accessories

Cable clamps chapter 40
Coding of hoods/housings chapter 40
Label acc. to CSA-approval chapter 40
Han-Snap® chapter 11

Current carrying capacity

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60 512-3.

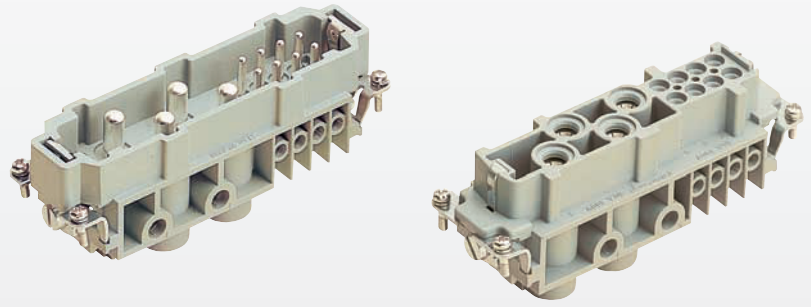


① Wire gauge: 16 mm²

② Wire gauge: 10 mm²

Number of contacts

4/8 +



Inserts

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		

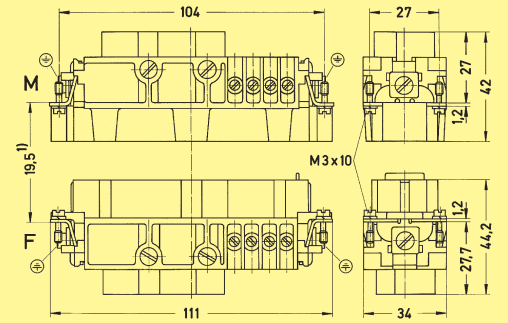
Screw terminal

Han® K

4/8

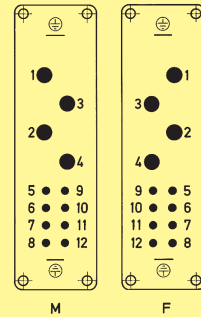
09 38 012 2601

09 38 012 2701




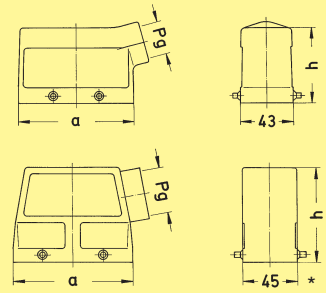
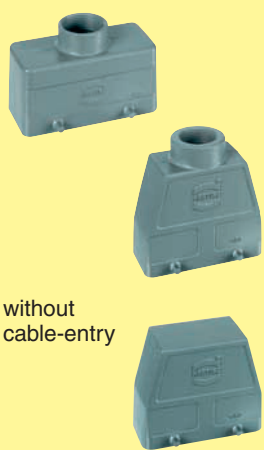

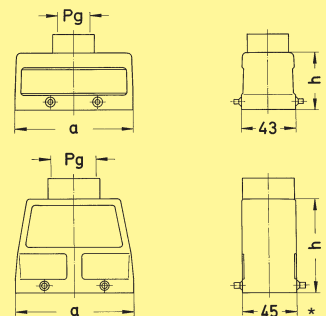

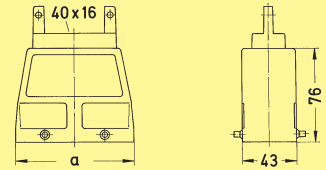
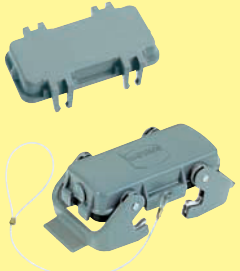
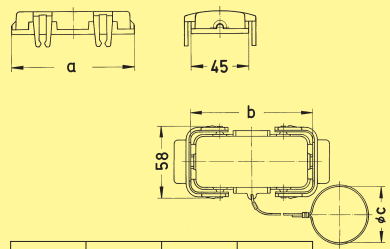
¹⁾ Distance for contact max. 21 mm

Contact arrangement View from termination side




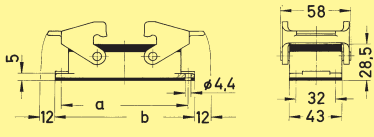

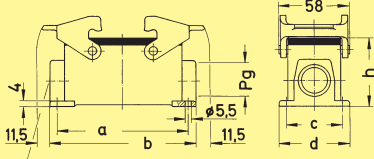

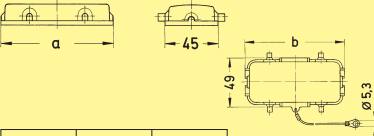

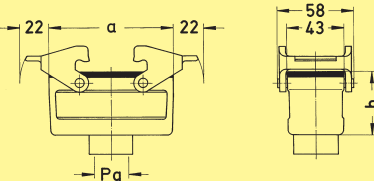

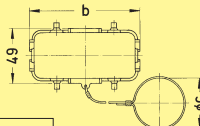
Han
Com

with 2 levers on the housing

Identification	Size	Part No.		Pg	Drawing	Dimensions in mm																
		Low construction	High construction																			
Hoods side-entry 	10	09 30 010 1521	09 30 010 0522	16		<table border="1"> <thead> <tr> <th>Size</th> <th>a</th> <th>Low construction h</th> <th>High construction h</th> </tr> </thead> <tbody> <tr> <td>10 B</td> <td>73</td> <td>57</td> <td>72</td> </tr> <tr> <td>16 B</td> <td>93.5</td> <td>62.5</td> <td>76</td> </tr> <tr> <td>24 B</td> <td>120</td> <td>62.5</td> <td>76</td> </tr> </tbody> </table> <p>* 10 B: housing width 43 mm</p>	Size	a	Low construction h	High construction h	10 B	73	57	72	16 B	93.5	62.5	76	24 B	120	62.5	76
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Hoods top-entry  without cable-entry 	10	09 30 010 1421	09 30 010 0422	16		<table border="1"> <thead> <tr> <th>Size</th> <th>a</th> <th>Low construction h</th> <th>High construction h</th> </tr> </thead> <tbody> <tr> <td>10 B</td> <td>73</td> <td>45</td> <td>72</td> </tr> <tr> <td>16 B</td> <td>93.5</td> <td>45</td> <td>76</td> </tr> <tr> <td>24 B</td> <td>120</td> <td>55</td> <td>76</td> </tr> </tbody> </table> <p>* 10 B: housing width 43 mm</p>	Size	a	Low construction h	High construction h	10 B	73	45	72	16 B	93.5	45	76	24 B	120	55	76
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Hoods Flat cable-entry 	16	—	09 30 016 4411	—		<table border="1"> <thead> <tr> <th>Size</th> <th>a</th> </tr> </thead> <tbody> <tr> <td>16 B</td> <td>93.5</td> </tr> <tr> <td>24 B</td> <td>120</td> </tr> </tbody> </table>	Size	a	16 B	93.5	24 B	120										
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Han Hoods Housings

with 2 levers on the housing

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Housings bulkhead mounting 	10	09 30 010 0301		—	 <table border="1"> <thead> <tr> <th>Size</th> <th>a</th> <th>b</th> <th>Panel cut out</th> </tr> </thead> <tbody> <tr> <td>10 B</td> <td>83</td> <td>93</td> <td>60 x 35</td> </tr> <tr> <td>16 B</td> <td>103</td> <td>113</td> <td>82 x 35</td> </tr> <tr> <td>24 B</td> <td>130</td> <td>140</td> <td>108 x 35</td> </tr> </tbody> </table>	Size	a	b	Panel cut out	10 B	83	93	60 x 35	16 B	103	113	82 x 35	24 B	130	140	108 x 35																														
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