

Specifications

DIN VDE 0627
DIN VDE 0110

Approvals

SEV

Inserts

Number of contacts 24, 42, 72, 108, 144 (2 x 72),
216 (2 x 108) + PE
Working current (see current carrying capacity) 10 A max.
Working voltage 250 V, Insulation group C
600 V acc. to UL / CSA
Test voltage U_{rms} 2 kV
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
- hard-gold plated 2 μm Au over 3 μm Ni
Contact resistance $\leq 3 \text{ m}\Omega$
Crimp terminal
- mm^2 0.14 - 2.5 mm^2
- AWG 26 - 14

Hoods/Housings

Material GD-Al Si 8
Surface powder-coated RAL 7037
Locking element steel, zinc plated
Hoods/Housings sealing NBR
Temperature range - 40 °C ... +125 °C
Degree of protection acc. to DIN 40 050 for coupled connectors IP 65

Further selection of hoods/housings chapter 30

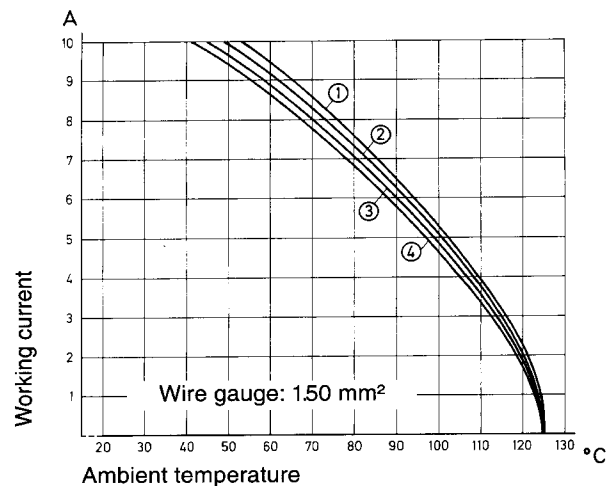
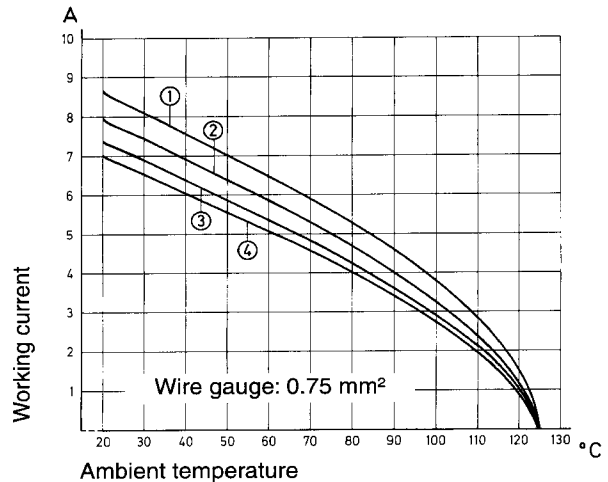
Accessories

Crimping tools chapter 12
Cable clamps chapter 40
Coding of hoods/housings chapter 40
Label acc. to CSA-approval chapter 40
Han-Snap chapter 11
Test connector chapter 20
PC-Board adapter chapter 20

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 512-3.



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

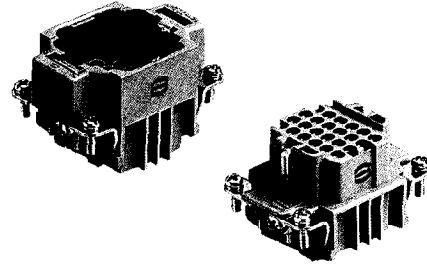
Han® 24 DD

250 V max. 10 A



Number of contacts

24+

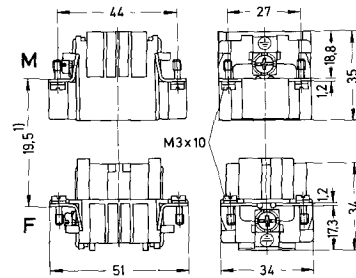


Inserts

Identification	Series	Part No.	
		Male insert (M)	Female insert (F)
Crimp terminal Order crimp contacts separately	Han DD		
		09 16 024 3001	09 16 024 3101

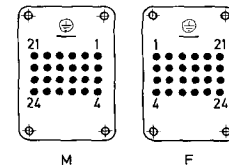
Drawing

Dimensions in mm

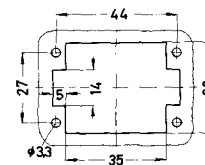


1) Distance for contact max. 21 mm

Contact arrangement View from termination side



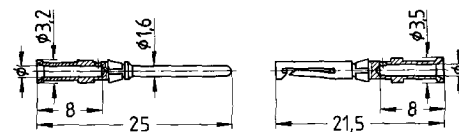
Panel cut out for inserts
for use without hoods/housings



Identification	Wire gauge (mm ²)	Part No.	
		Male contacts	Female contacts
Crimp contacts silver plated	0.14-0.37	09 15 000 6104	09 15 000 6204
	0.5	09 15 000 6103	09 15 000 6203
	0.75	09 15 000 6105	09 15 000 6205
	1.0	09 15 000 6102	09 15 000 6202
	1.5	09 15 000 6101	09 15 000 6201
	2.5	09 15 000 6106	09 15 000 6206
gold plated	0.14-0.37	09 15 000 6124	09 15 000 6224
	0.5	09 15 000 6123	09 15 000 6223
	0.75	09 15 000 6125	09 15 000 6225
	1.0	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

Drawing

Dimensions in mm



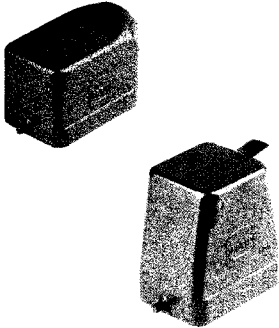
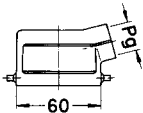

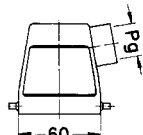
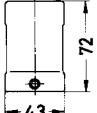
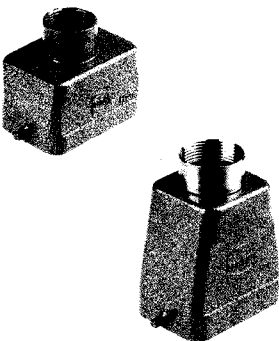
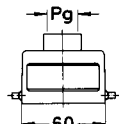

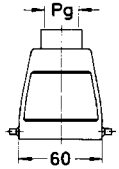
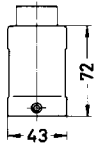
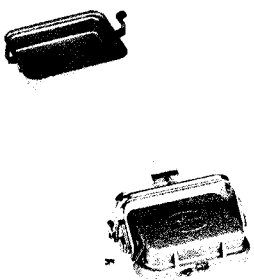
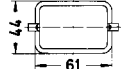
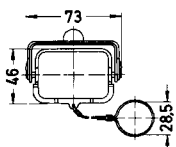
Wire gauge		∅	Stripping length
0.14-0.37 mm ²	AWG 26-22	0.90 mm	8 mm
0.5 mm ²	AWG 20	1.10 mm	8 mm
0.75 mm ²	AWG 18	1.30 mm	8 mm
1 mm ²	AWG 18	1.45 mm	8 mm
1.5 mm ²	AWG 16	1.75 mm	8 mm
2.5 mm ²	AWG 14	2.25 mm	6 mm

Stock items in bold type

Standard Hoods with 1 lever on the housing

Size 6 B

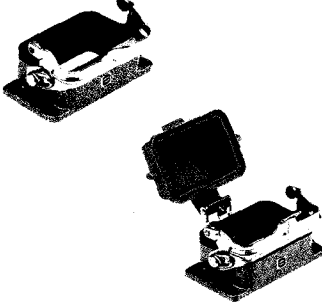
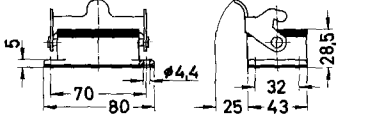
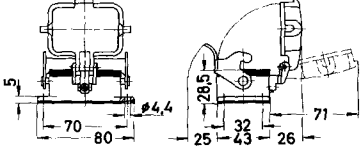
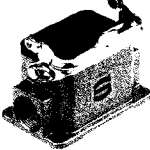
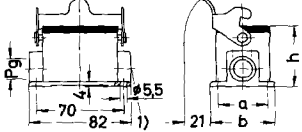
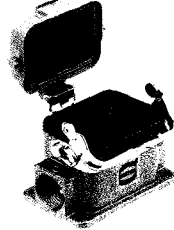
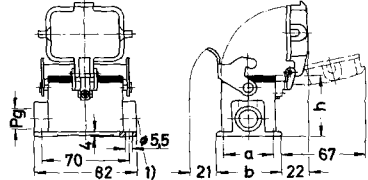
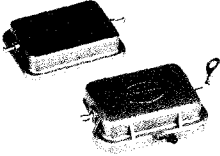
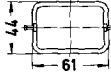
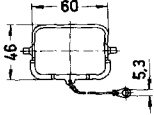

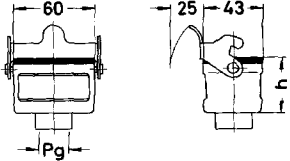

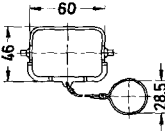


Identification	Part No.		Pg	Drawing	Dimensions in mm	Han D/DD	
	Low construction	High construction					
Hoods side-entry 	09 30 006 1540		13.5				
	09 30 006 1541		16				
			09 30 006 0542	21			
			09 30 006 0543	29			
	Hoods top-entry 	09 30 006 1440		13.5			
		09 30 006 1441		16			
			09 30 006 0442	21			
			09 30 006 0443	29			
Protection covers metal 		09 30 006 5401					
		09 30 006 5423					

Hoods

Han
D/DD



Identification	Part No.		Pg	Drawing	Dimensions in mm												
	Low construction	High construction															
Housings bulkhead mounting 	09 30 006 0301		—	Panel cut out 48 x 35 mm 													
	with thermo-plastic cover 09 30 006 0302		—														
	with metal cover 09 30 006 0318		—														
Housings surface mounting 	1 side-entry 09 30 006 1251		16														
	2 side-entries 09 30 006 1291		16														
			09 30 006 0292		21												
			09 30 006 0293		29												
	1 side-entry 09 30 006 1256		16														
	with thermo-plastic cover 09 30 006 1256		16														
	with metal cover 09 30 006 2256		16														
	2 side-entries 09 30 006 1296		16														
			09 30 006 0297		21												
			09 30 006 0298		29												
Housings 	2 side-entries 09 30 006 2296		16														
	with thermo-plastic cover 09 30 006 2296		16														
	with metal cover 09 30 006 2296		21														
	with thermo-plastic cover 09 30 006 2296		29														
	2 side-entries 09 30 006 2296		16	1) Blind way for one cable entry <table border="1"> <thead> <tr> <th></th> <th>a</th> <th>b</th> <th>h</th> </tr> </thead> <tbody> <tr> <td>Low construction</td> <td>40</td> <td>52</td> <td>54</td> </tr> <tr> <td>High construction</td> <td>45</td> <td>57</td> <td>74</td> </tr> </tbody> </table>		a	b	h	Low construction	40	52	54	High construction	45	57	74	
	a	b	h														
Low construction	40	52	54														
High construction	45	57	74														
		09 30 006 2297	21														
		09 30 006 2298	29														
Protection covers metal 	09 30 006 5404																
	09 30 006 5425																
Hoods cable to cable 	09 30 006 1750		13.5	<table border="1"> <thead> <tr> <th>h</th> <th>60</th> <th>25</th> <th>43</th> </tr> </thead> <tbody> <tr> <td>42.5</td> <td></td> <td></td> <td></td> </tr> <tr> <td>72.5</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> 	h	60	25	43	42.5				72.5				
	h	60	25		43												
42.5																	
72.5																	
		09 30 006 0752	21														
		09 30 006 0753	29														
Protection cover metal 	09 30 006 5427																

Stock items in bold type