

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

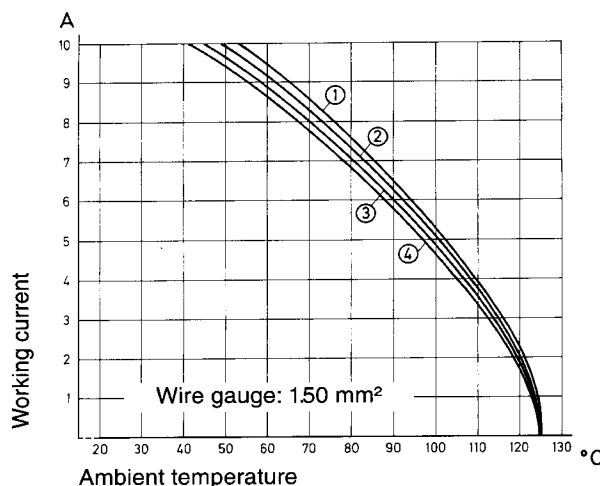
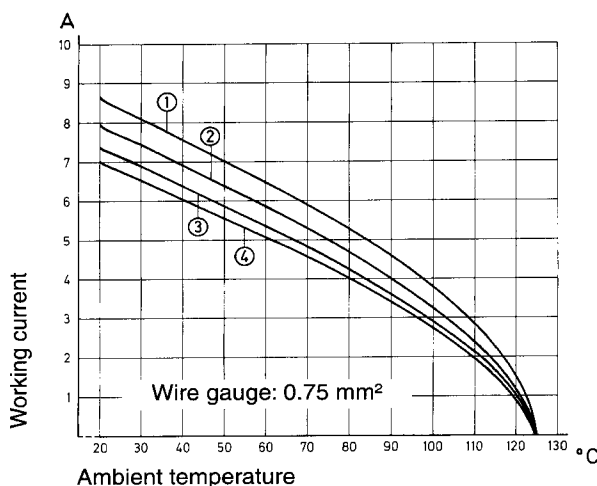
Accessories

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

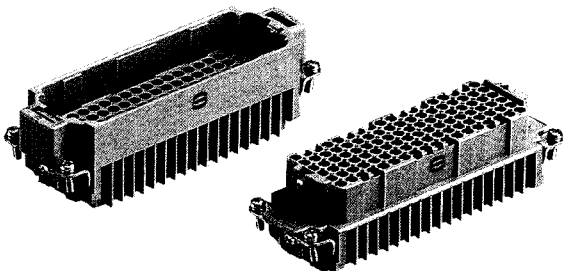
Han® 108 DD

250 V max. 10 A



Number of contacts

108 +

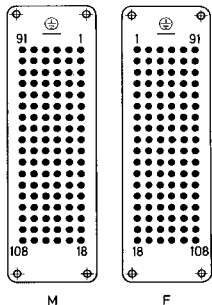


Inserts

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
Crimp terminal	Han DD				
Order crimp contacts separately					
		09 16 108 3001	09 16 108 3101		

1) Distance for contact max. 21 mm

Contact arrangement View from termination side



Panel cut out for inserts
for use without hoods/housings

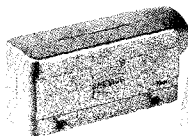
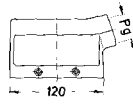
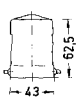
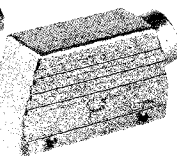
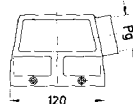
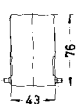
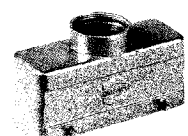
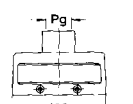
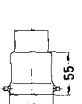
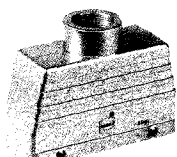
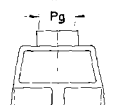
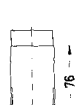
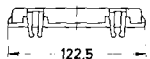
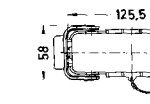
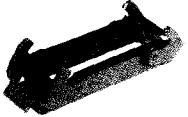
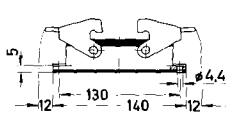
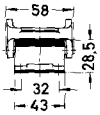
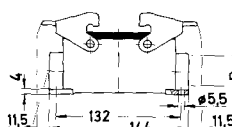
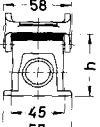
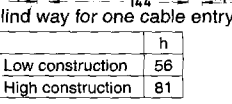
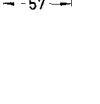
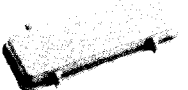
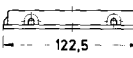
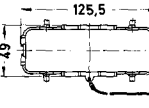
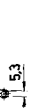
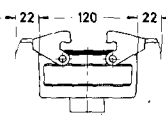
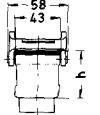
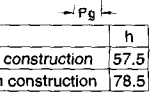
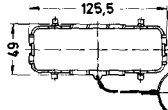
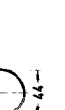


Identification	Wire gauge (mm²)	Male contacts	Female contacts	Drawing	Dimensions in mm																												
Crimp contacts																																	
silver plated	0.14-0.37	09 15 000 6104	09 15 000 6204																														
	0.5	09 15 000 6103	09 15 000 6203																														
	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	<table><tr><th colspan="2">Wire gauge</th><th>ø</th><th>Stripping length</th></tr><tr><td>0.14-0.37 mm²</td><td>AWG 26-22</td><td>0.90 mm</td><td>8 mm</td></tr><tr><td>0.5 mm²</td><td>AWG 20</td><td>1.10 mm</td><td>8 mm</td></tr><tr><td>0.75 mm²</td><td>AWG 18</td><td>1.30 mm</td><td>8 mm</td></tr><tr><td>1 mm²</td><td>AWG 18</td><td>1.45 mm</td><td>8 mm</td></tr><tr><td>1.5 mm²</td><td>AWG 16</td><td>1.75 mm</td><td>8 mm</td></tr><tr><td>2.5 mm²</td><td>AWG 14</td><td>2.25 mm</td><td>6 mm</td></tr></table>	Wire gauge		ø	Stripping length	0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm	0.5 mm²	AWG 20	1.10 mm	8 mm	0.75 mm²	AWG 18	1.30 mm	8 mm	1 mm²	AWG 18	1.45 mm	8 mm	1.5 mm²	AWG 16	1.75 mm	8 mm	2.5 mm²	AWG 14	2.25 mm	6 mm	
	Wire gauge		ø		Stripping length																												
	0.14-0.37 mm²	AWG 26-22	0.90 mm		8 mm																												
	0.5 mm²	AWG 20	1.10 mm		8 mm																												
	0.75 mm²	AWG 18	1.30 mm		8 mm																												
	1 mm²	AWG 18	1.45 mm		8 mm																												
1.5 mm²	AWG 16	1.75 mm	8 mm																														
2.5 mm²	AWG 14	2.25 mm	6 mm																														
0.5	09 15 000 6123	09 15 000 6223																															
0.75	09 15 000 6125	09 15 000 6225																															
1.0	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																															

Standard Hoods/Housings with 2 levers on the housing

Size 24 B

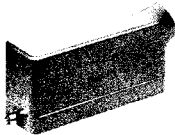
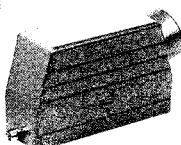
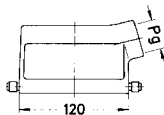
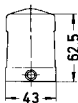
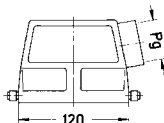
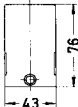
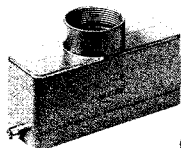
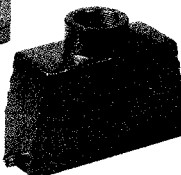
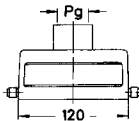
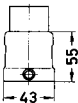
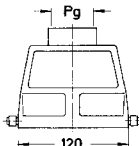
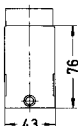
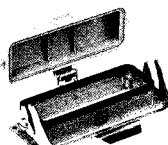
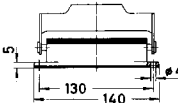
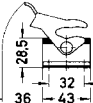
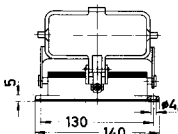
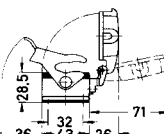
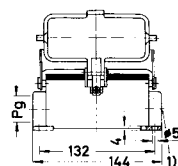
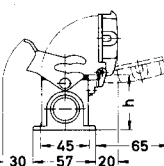
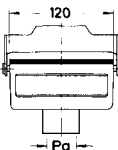
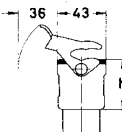


Identification		Part No.		Pg	Drawing	Dimensions in mm
Hoods side-entry		Low construction	High construction			
		09 30 024 1520		21		
			09 30 024 0520 09 30 024 0521	21 29		
Hoods top-entry		Low construction	High construction			
		09 30 024 1421		29		
			09 30 024 0420 09 30 024 0421	21 29		
Protection covers thermoplastic/metal		Low construction	High construction			
		09 30 024 5401				
			09 30 024 5422			
Housing bulkhead mounting		Low construction	High construction			
		09 30 024 0301				
Housings surface mounting	1 side-entry	Low construction	High construction			
		09 30 024 1230	09 30 024 0230 09 30 024 0231	21 29		
	2 side-entries	09 30 024 1270	09 30 024 0270 09 30 024 0271	21 29		
					Blind way for one cable entry	
Protection covers thermoplastic/metal		Low construction	High construction			
		09 30 024 5405				
			09 30 024 5425			
Hoods cable to cable		Low construction	High construction			
		09 30 024 1731	09 30 024 0730 09 30 024 0731	21 29		
						
Protection cover metal		Low construction	High construction			
		09 30 024 5426				

Standard Hoods/Housings with 1 lever on the housing

Size 24 B

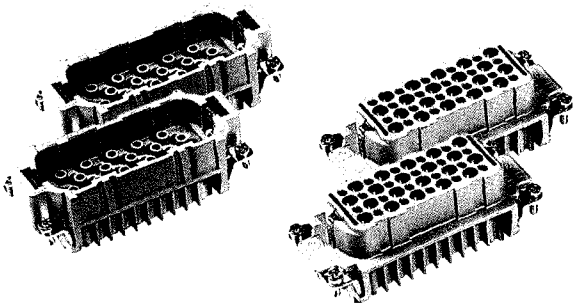


Identification		Part No.		Pg	Drawing	Dimensions in mm							
Hoods side-entry		Low construction	High construction										
	 	09 30 024 1540		21									
			09 30 024 0540 09 30 024 0541		21 29								
	Hoods top-entry		Low construction	High construction									
 		09 30 024 1441		29									
			09 30 024 0440 09 30 024 0441		21 29								
Housings bulkhead mounting			Low construction	High construction									
	 	09 30 024 0307											
			with thermo- plastic cover 09 30 024 0304										
		with metal cover 09 30 024 0318											
Housings surface mounting	1 side-entry	09 30 024 1250	09 30 024 0250 09 30 024 0251	21 29									
	2 side-entries	09 30 024 1290	09 30 024 0290 09 30 024 0291	21 29									
	1 side-entry	with thermoplastic cover 09 30 024 1255	with thermoplastic cover 09 30 024 0255 09 30 024 0256	21 29									
	2 side-entries	with thermoplastic cover 09 30 024 1295	with thermoplastic cover 09 30 024 0295 09 30 024 0296	21 29									
	2 side-entries	with metal cover 09 30 024 2295	with metal cover 09 30 024 2297 09 30 024 2298	21 29									
	Hoods cable to cable		09 30 024 1751	09 30 024 0751	29								
							<table><tr><td></td><td>h</td></tr><tr><td>Low construction</td><td>57.5</td></tr><tr><td>High construction</td><td>78.5</td></tr></table>		h	Low construction	57.5	High construction	78.5
		h											
Low construction	57.5												
High construction	78.5												



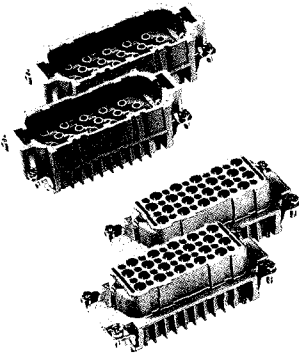
Number of contacts

80 +



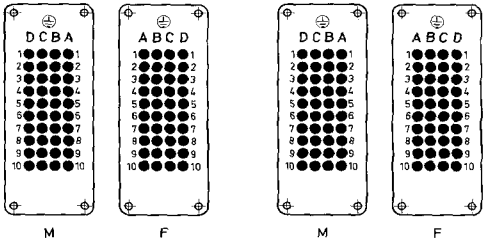
Inserts

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
Crimp terminal	Han D				Dimensions for inserts see page 02.28.
Order crimp contacts separately					

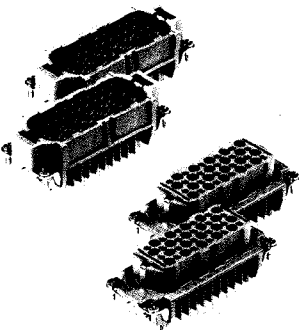


1-40	09 21 040 3001	09 21 040 3101
1-40	09 21 040 3001	09 21 040 3101

Contact arrangement View from termination side

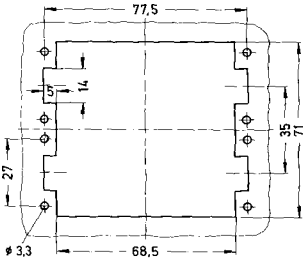


Wrap terminal
1 x 1 mm



1-40	09 21 040 2601	09 21 040 2701
1-40	09 21 040 2601	09 21 040 2701

Panel cut out for inserts
for use without hoods/housings



Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		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		

Wire gauge		Ø	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