

Specifications

DIN VDE 0627
DIN VDE 0110

Approvals



Inserts

Number of contacts 10, 18, 32, 46, 64 (2 x 32),
92 (2 x 46) + PE
Working current (see current carrying capacity) 16 A max.
Working voltage 500 V
Test voltage U_{rms} 3 kV
Pollution degree 3 (C)
Insulation resistance $\geq 10^{10} \Omega$
Material Polycarbonate
Temperature range - 40 °C ... +125 °C
Flammability acc. to UL 94 V 0
Mechanical working life
- Mating cycles ≥ 500
Working voltage acc. to UL/CSA 600 V

Contacts

Material copper alloy
Surface
- hard-silver plated 3 μm Ag
- hard-gold plated 2 μm Au over 3 μm Ni
Contact resistance $\leq 1 \text{ m}\Omega$
Crimp terminal
- mm^2 0.5 - 4.0 mm^2
- AWG 20 - 12

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 connector IP 65

Further selection of hoods/housings

chapter 30

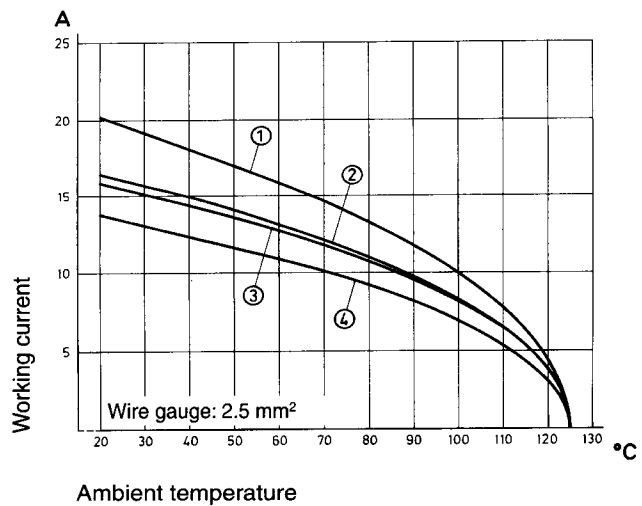
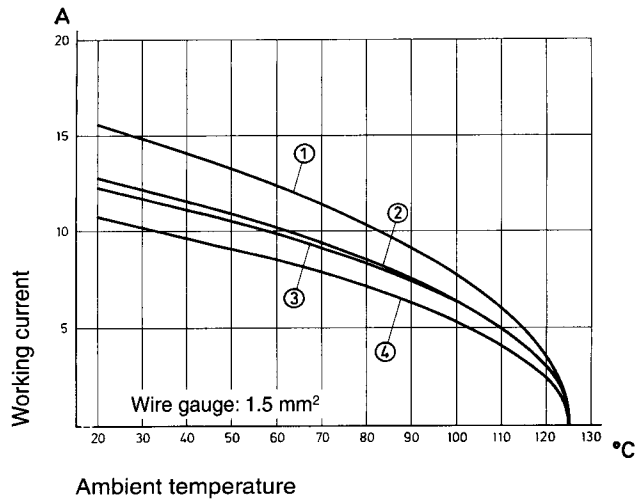
Accessories

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
Special insert fixing screws 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.



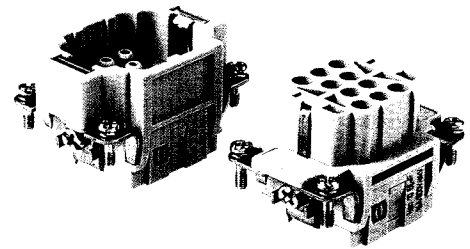
- ① Han 10 EE
- ② Han 18 EE
- ③ Han 32 EE
- ④ Han 46 EE

Han® 10 EE



Number of contacts

10 +

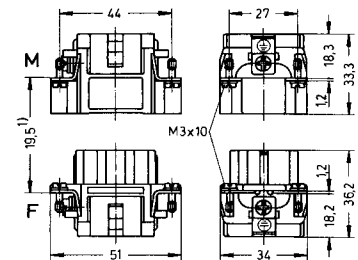


Inserts

Identification	Series	Part No.	
		Male insert (M)	Female insert (F)
Crimp terminal Order contacts separately	Han EE		
		09 32 010 3001	09 32 010 3101

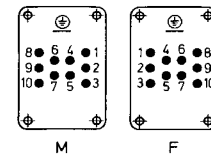
Drawing

Dimensions in mm

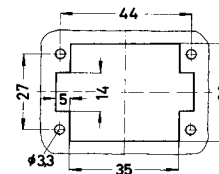


¹⁾ Distance for contact max. 21 mm

Contact arrangement View from termination side



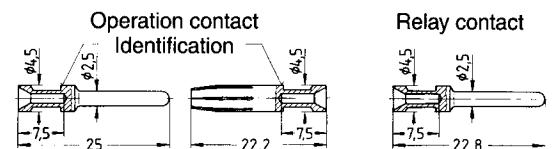
Panel cut out for inserts
for use without hoods/housings



Identification	Wire gauge (mm ²)	Part No.	
		Male contacts	Female contacts
Crimp contacts	0.5	09 33 000 6121	09 33 000 6220
Power contacts	0.75	09 33 000 6114	09 33 000 6214
silver plated	1.0	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
gold plated	0.5	09 33 000 6122	09 33 000 6222
	0.75	09 33 000 6115	09 33 000 6215
	1.0	09 33 000 6118	09 33 000 6218
	1.5	09 33 000 6116	09 33 000 6216
	2.5	09 33 000 6123	09 33 000 6223
	4.0	09 33 000 6119	09 33 000 6221
Relay contact	0.75-1	09 33 000 6109	
silver plated	1.5	09 33 000 6110	
	2.5	09 33 000 6111	

Drawing

Dimensions in mm



Crimp contact identification

Identification	Wire gauge	Stripping length
no groove	0.5 mm ²	7.5 mm
1 groove*	0.75 mm ²	7.5 mm
1 groove	1 mm ²	7.5 mm
2 grooves	1.5 mm ²	7.5 mm
3 grooves	2.5 mm ²	7.5 mm
wide groove	3.0 mm ²	7.5 mm
no groove	4 mm ²	7.5 mm

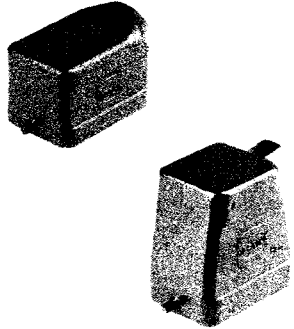
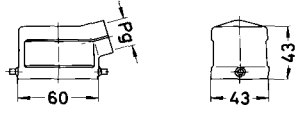
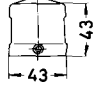
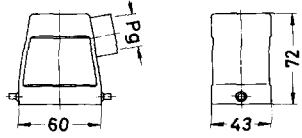
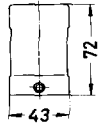
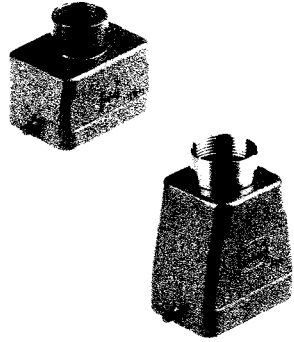
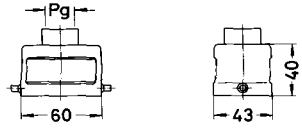
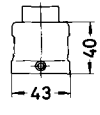
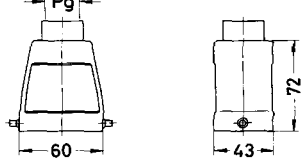
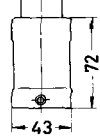
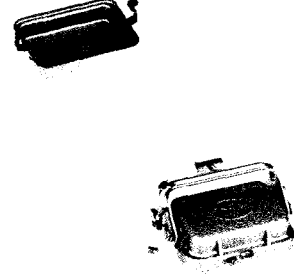
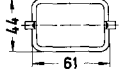
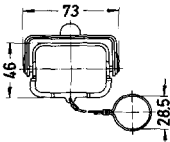
* on the back crimp collar

Stock items in bold type

Standard Hoods with 1 lever on the housing

Size 6 B


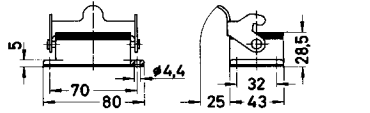
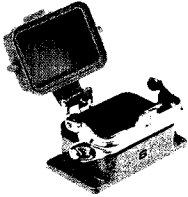
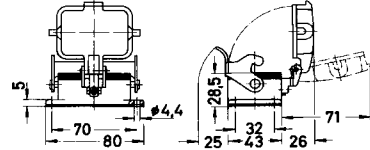

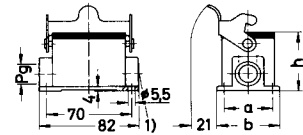
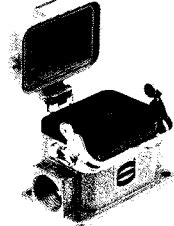
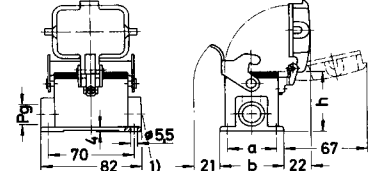



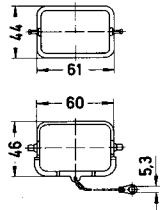

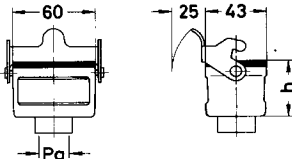

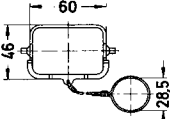


Identification	Part No.		Pg	Drawing	Dimensions in mm		
	Low construction	High construction					
Hoods side-entry 	09 30 006 1540		13.5				
	09 30 006 1541		16				
		09 30 006 0542		21			
		09 30 006 0543		29			
	Hoods top-entry 	09 30 006 1440		13.5			
		09 30 006 1441		16			
			09 30 006 0442		21		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

Standard Housings with 1 lever on the housing

Size 6 B



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 cm
		with thermo-plastic cover 09 30 006 0302	—		
		09 30 006 0318	—		
		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	09 30 006 0292 09 30 006 0293		
	1 side-entry	09 30 006 1256	16		
		with metal cover 09 30 006 2256	16		
	2 side-entries	09 30 006 1296	09 30 006 0297 09 30 006 0298	16 21 29	
		with thermo-plastic cover 09 30 006 1296	with thermo-plastic cover		
	2 side-entries	09 30 006 2296	09 30 006 2297 09 30 006 2298	16 21 29	
		with metal cover 09 30 006 2296	with metal cover		
Protection covers metal					
		09 30 006 5404			
		09 30 006 5425			
Hoods cable to cable					
		09 30 006 1750	13.5		
			09 30 006 0752 09 30 006 0753		
Protection cover metal					
		09 30 006 5427			

1) Blind way for one cable entry

	a	b	h
Low construction	40	52	54
High construction	45	57	74