

Specifications

DIN VDE 0627
DIN VDE 0110

Approvals



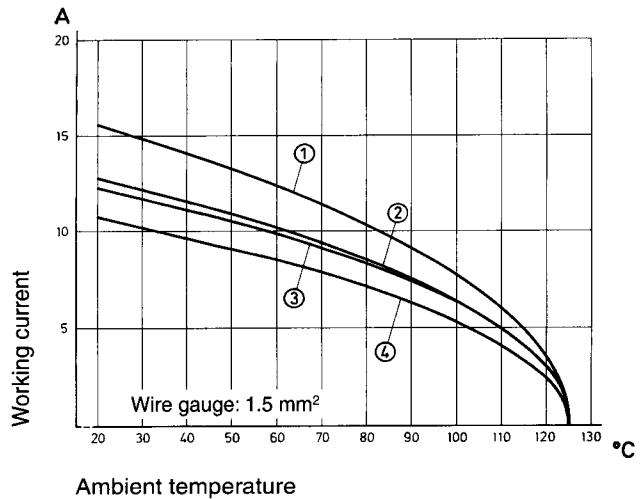
Inserts

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

Current carrying capacity

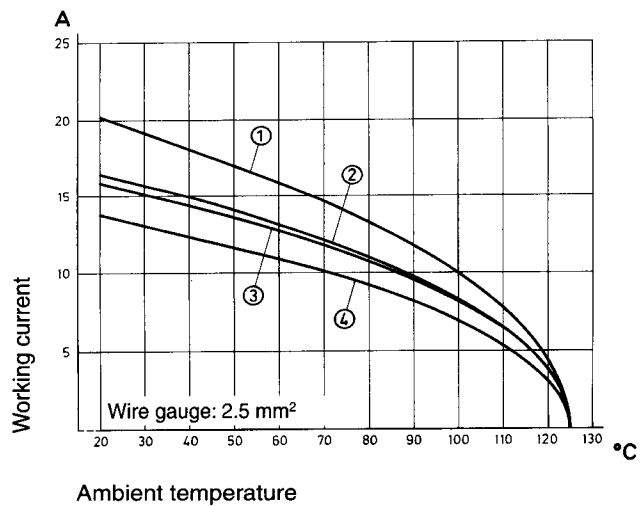
The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the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

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



Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 μ m Ag
- hard-gold plated	2 μ m Au over 3 μ m 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

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

Accessories

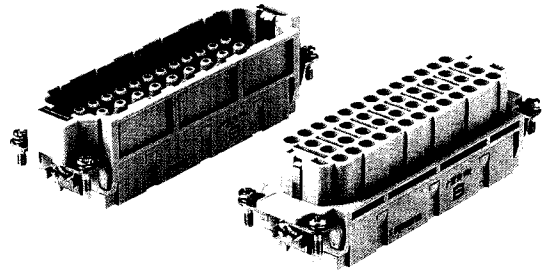
Crimping tools	chapter 12
Cable clamps	chapter 40
Coding of Hoods/Housings	chapter 40
Label acc. to CSA-approval	chapter 40
Han-Snap	chapter 11
Special insert fixing screws	chapter 20

Han® 46 EE



Number of contacts

46 +

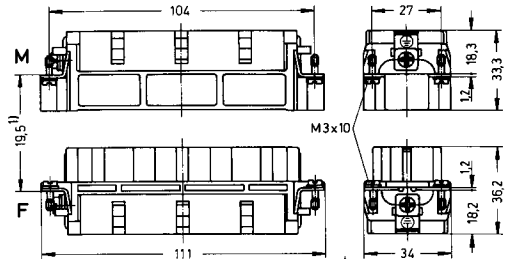


Inserts

Identification	Series	Part No.	
		Male insert (M)	Female insert (F)
Crimp terminal Order contacts separately	Han EE	09 32 046 3001	09 32 046 3101

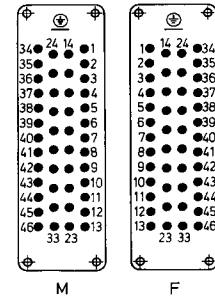
Drawing

Dimensions in mm

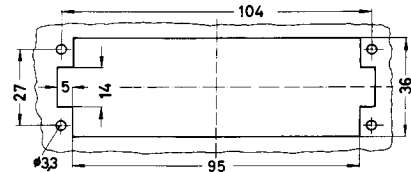


¹⁾ Distance for contact max. 21 mm

Contact arrangement View from termination side



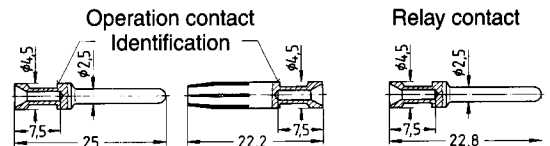
Panel cut out for inserts
for use without hoods/housings



Identification	Wire gauge (mm ²)	Part No.	
		Male contacts	Female contacts
Crimp contacts Power contacts silver plated	0.5	09 33 000 6121	09 33 000 6220
	0.75	09 33 000 6114	09 33 000 6214
	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
gold plated	4	09 33 000 6107	09 33 000 6207
	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
Relay contact silver plated	4.0	09 33 000 6119	09 33 000 6221
	0.75-1	09 33 000 6109	
	1.5	09 33 000 6110	
	2.5	09 33 000 6111	

Drawing

Dimensions in mm

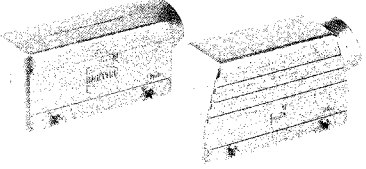
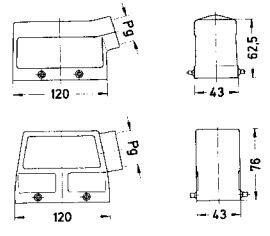
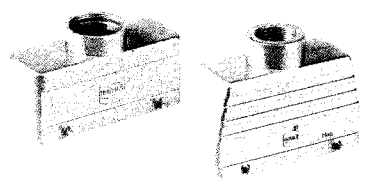
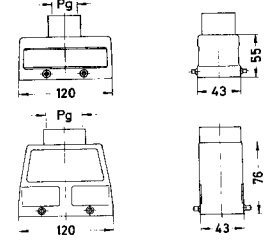

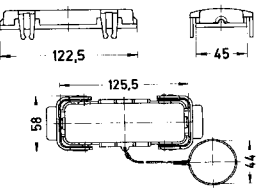
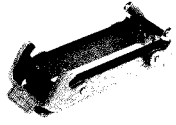
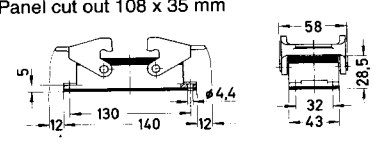
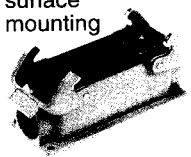
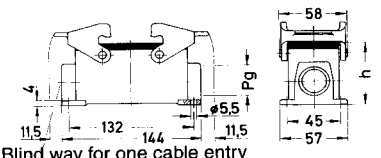

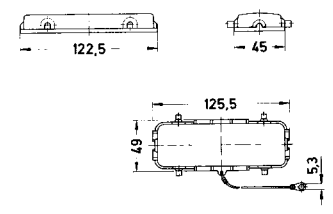
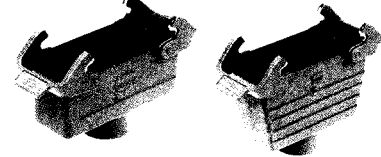
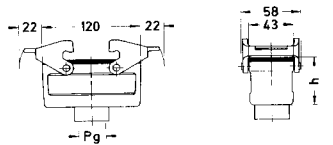

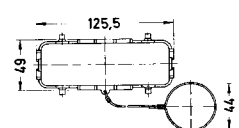


Crimp contact identification

Identification	Wire gauge	Stripping length
no groove	0.5 mm ²	AWG 20
1 groove*	0.75 mm ²	AWG 18
1 groove	1 mm ²	AWG 18
2 grooves	1.5 mm ²	AWG 16
3 grooves	2.5 mm ²	AWG 14
wide groove	3.0 mm ²	AWG 12
no groove	4 mm ²	AWG 12

* on the back crimp collar

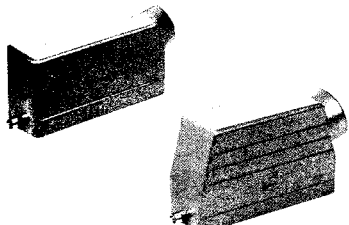
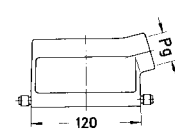
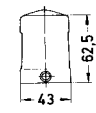
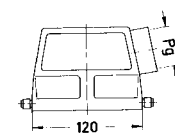
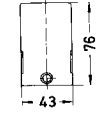
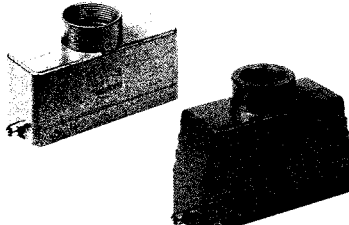
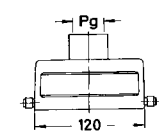
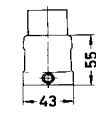
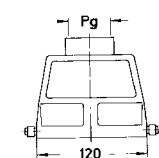
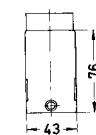
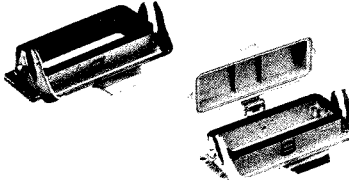
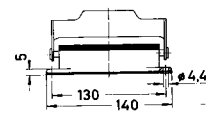
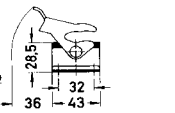
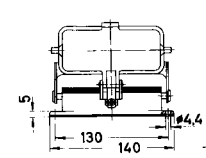
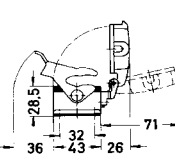
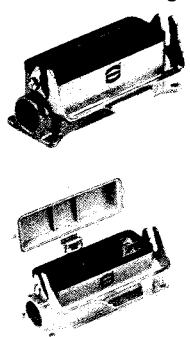
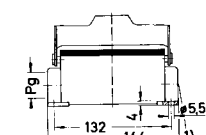
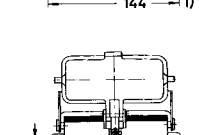
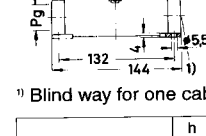
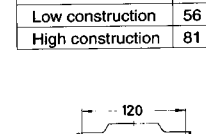
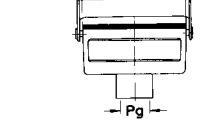
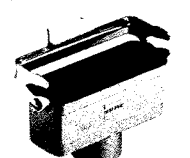
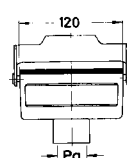
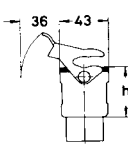


Identification	Part No.		Pg	Drawing	Dimensions in mm
	Low construction	High construction			
Hoods side-entry 	09 30 024 1520		21		
		09 30 024 0520 09 30 024 0521	21 29		
Hoods top-entry 	09 30 024 1421		29		
		09 30 024 0420 09 30 024 0421	21 29		
Protection covers thermoplastic/metal 	09 30 024 5401 09 30 024 5422				
Housing bulkhead mounting 		09 30 024 0301		Panel cut out 108 x 35 mm 	
Housings surface mounting 	1 side-entry	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	
Protection covers thermoplastic/metal 	09 30 024 5405 09 30 024 5425				
Hoods cable to cable 		09 30 024 1731	09 30 024 0730 09 30 024 0731	21 29	
Protection cover metal 		09 30 024 5426			

Standard Hoods/Housings with 1 lever on the housing

Size 24 B



Identification	Part No.		Pg	Drawing	Dimensions in mm					
	Low construction	High construction								
Hoods side-entry 	09 30 024 1540		21							
		09 30 024 0540 09 30 024 0541	21 29							
Hoods top-entry 	09 30 024 1441		29							
		09 30 024 0440 09 30 024 0441	21 29							
Housings bulkhead mounting 	09 30 024 0307			Panel cut out 108 x 35 mm						
	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						
					1) Blind way for one cable entry					
Hoods cable to cable 	09 30 024 1751	09 30 024 0751	29							
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High construction	78.5									