

Specifications

DIN VDE 0627
DIN VDE 0110

Approvals



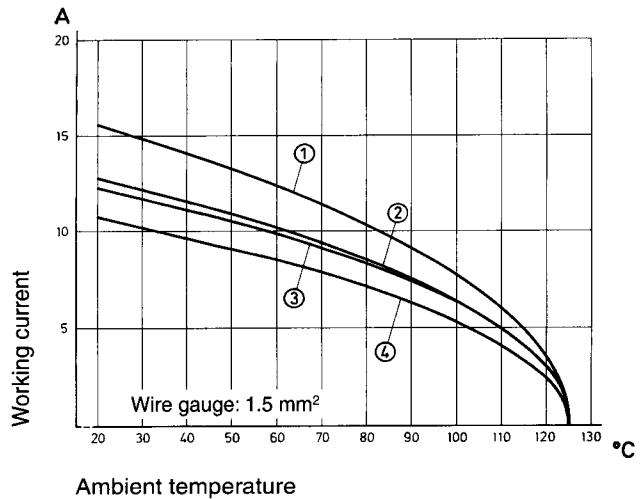
Inserts

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

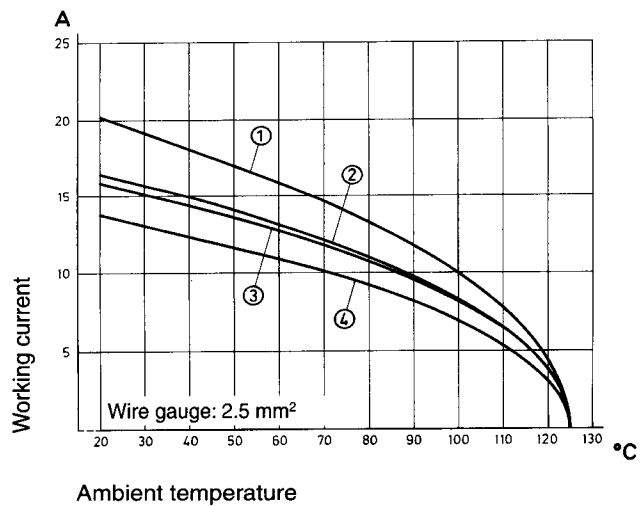
The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the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

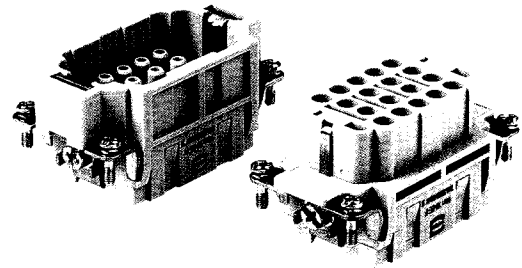
Crimping tools	chapter 12
Cable clamps	chapter 40
Coding of Hoods/Housings	chapter 40
Label acc. to CSA-approval	chapter 40
Han-Snap	chapter 11
Special insert fixing screws	chapter 20

Han® 18 EE



Number of contacts

18 +

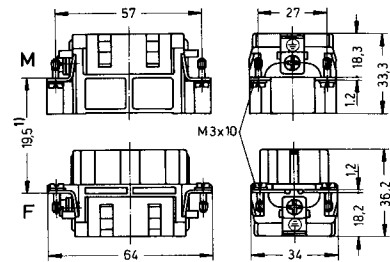


Inserts

Identification	Series	Part No.	
		Male insert (M)	Female insert (F)
Crimp terminal Order contacts separately	Han EE		
		09 32 018 3001	09 32 018 3101

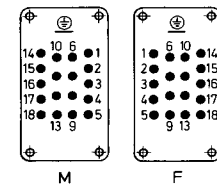
Drawing

Dimensions in mm

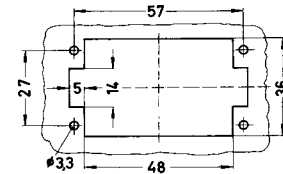


Distance for contact max. 21 mm

Contact arrangement View from termination side



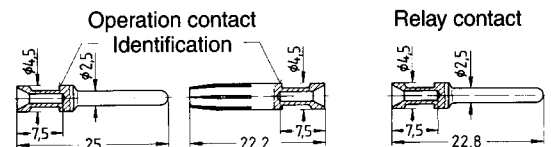
Panel cut out for inserts
for use without hoods/housings



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
	4	09 33 000 6107	09 33 000 6207
	gold plated	0.5	09 33 000 6122
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
Relay contact silver plated	2.5	09 33 000 6123	09 33 000 6223
	4.0	09 33 000 6119	09 33 000 6221
	0.75-1	09 33 000 6109	09 33 000 6109
	1.5	09 33 000 6110	09 33 000 6110
	2.5	09 33 000 6111	09 33 000 6111

Drawing

Dimensions in mm



Crimp contact identification

Identification	Wire gauge		Stripping length
no groove	0.5 mm ²	AWG 20	7.5 mm
1 groove*	0.75 mm ²	AWG 18	7.5 mm
1 groove	1 mm ²	AWG 18	7.5 mm
2 grooves	1.5 mm ²	AWG 16	7.5 mm
3 grooves	2.5 mm ²	AWG 14	7.5 mm
wide groove	3.0 mm ²	AWG 12	7.5 mm
no groove	4 mm ²	AWG 12	7.5 mm

* on the back crimp collar

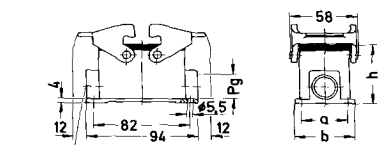
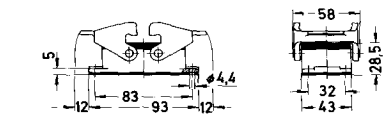
Standard Hoods/Housings with 2 levers on the housing

Size 10 B



Identification	Part No.		Pg	Drawing	Dimensions in mm
	Low construction	High construction			
Hoods side-entry		09 30 010 1521	16		
		09 30 010 0522	21		
		09 30 010 0523	29		
Hoods top-entry		09 30 010 1421	16		
		09 30 010 0422	21		
		09 30 010 0423	29		
Protection covers thermoplastic/metal		09 30 010 5401			
		09 30 010 5423			
Housing bulkhead mounting		09 30 010 0301			
Housings surface mounting	1 side-entry	09 30 010 1231	16		
		09 30 010 0232	21		
	2 side-entries	09 30 010 1271	16		
		09 30 010 0272	21		
		09 30 010 0273	29		
Housings	Protection covers thermoplastic/metal	09 30 010 5407			
		09 30 010 5425			
		09 30 010 1731	16		
Hoods cable to cable		09 30 010 0732	21		
		09 30 010 0733	29		
Protection cover metal		09 30 010 5427			

Panel cut out 60 x 35 mm



Blind way for one cable entry

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

	h
Low construction	47,5
High construction	74,5

Stock items in bold type

Standard Hoods/Housings with 1 lever on the housing

Size 10 B



Identification	Part No.		Pg	Drawing	Dimensions in mm
	Low construction	High construction			
Hoods side-entry		09 30 010 1541	16		
		09 30 010 0542 09 30 010 0543	21 29		
Hoods top-entry		09 30 010 1441	16		
		09 30 010 0442	21		
		09 30 010 0443	29		
Housings bulkhead mounting		09 30 010 0305	—	Panel cut out 60 x 35 mm 	
		with thermo-plastic cover 09 30 010 0303	—		
		with metal cover 09 30 010 0318	—		
Housings surface mounting		1 side-entry 09 30 010 1251	16		
		2 side-entries 09 30 010 1291	16		
			21		
			29		
		1 side-entry 09 30 010 1256	16		
		with thermo-plastic cover 2 side-entries 09 30 010 1296	16		
			21		
			29		
	with thermo-plastic cover with metal cover 09 30 010 2296	16			
	with thermo-plastic cover with metal cover 09 30 010 2297	21			
Hoods cable to cable		09 30 010 1751	16		
			21		
			29		

¹⁾ Blind way for one cable entry

	h
Low construction	54
High construction	74

	h
Low construction	47.5
High construction	74.5

Stock items in bold type