

Han® HsB

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Specifications

DIN VDE 0627
DIN VDE 0110

Approvals

 , SEV

Inserts

Number of contacts	6, 12 (2 x 6) + PE
Working current (see current carrying capacity)	35 A max.
Working voltage	500 V
Test voltage U_{rms}	3 kV
Insulation group	C
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
Working voltage acc. to UL/CSA	600 V

Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 μm Ag
Contact resistance	$\leq 0.5 \text{ m}\Omega$
Screw terminal	
- mm^2	6 mm^2
- AWG	10
- Tightening torque	1.2 Nm

Hoods/Housings

Material	die cast aluminium
Surface	powder-coated RAL 7037
Locking element	Steel, zinc plated/Han-Easy Lock®
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

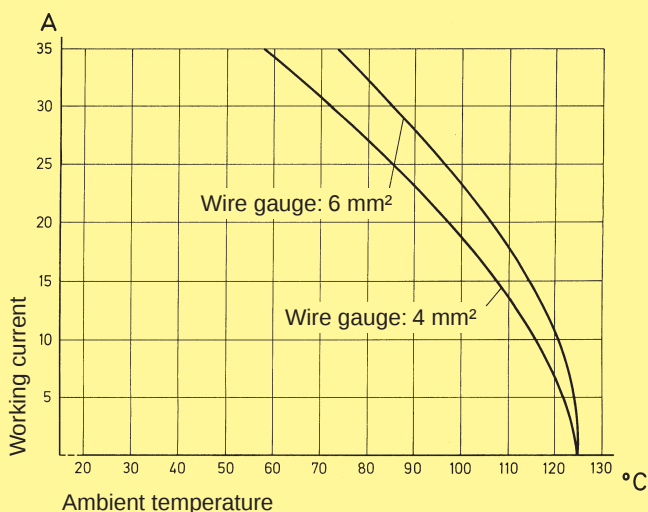
Accessories

Cable clamps	chapter 40
Coding of hoods/housings	chapter 40
Label acc. to CSA-approval	chapter 40
Han-Snap	chapter 11

Current carrying capacity

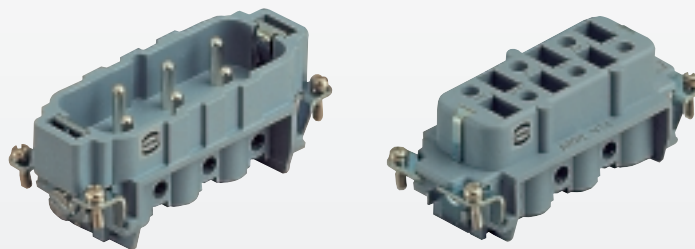
The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the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

Control and test procedures according to DIN IEC 60 512-3.

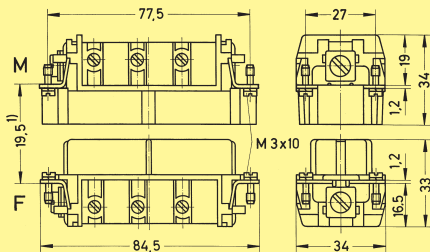
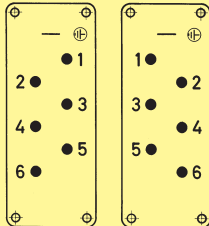
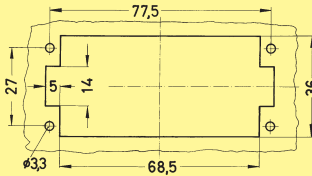


Number of contacts

6 +



Inserts

Identification		Part No.		Drawing	Dimensions in mm
	Series	Male insert (M)	Female insert (F)		
Screw terminal	Han HsB				
		09 31 006 2601	09 31 006 2701		
		1) Distance for contact max. 21 mm			
		Contact arrangement View from termination side			
					
		M F			
		Panel cut out for inserts for use without hoods/housings			
					

		Part No.										
Identification		Low construction	High construction	Pg	Drawing	Dimensions in mm						
Hoods	Hoods side-entry	09 30 016 1520	09 30 016 0520 09 30 016 0521	21 21 29								
	Hoods top-entry	09 30 016 1420	09 30 016 0420 09 30 016 0421	21 21 29								
	Protection covers thermoplastic/metal	09 30 016 5401 09 30 016 5422										
Housings	Housing bulkhead mounting	09 30 016 0301		—								
	Housings surface mounting 1 side-entry	09 30 016 1230	09 30 016 0230 09 30 016 0231	21 29								
	Housings surface mounting 2 side-entries	09 30 016 1270	09 30 016 0270 09 30 016 0271	21 29	Blind way for one cable entry <table><tr><td></td><td>h</td></tr><tr><td>Low construction</td><td>56</td></tr><tr><td>High construction</td><td>81</td></tr></table>		h	Low construction	56	High construction	81	
		h										
	Low construction	56										
High construction	81											
Protection covers thermoplastic/metal	09 30 016 5405 09 30 016 5425											
Hoods cable to cable	09 30 016 1730	09 30 016 0730 09 30 016 0731	21 29		<table><tr><td></td><td>h</td></tr><tr><td>Low construction</td><td>47,5</td></tr><tr><td>High construction</td><td>78,5</td></tr></table>		h	Low construction	47,5	High construction	78,5	
	h											
Low construction	47,5											
High construction	78,5											
	Protection cover metal	09 30 016 5426										

Stock items in bold type

Identification		Part No.		Pg	Drawing	Dimensions in mm
		Low construction	High construction			
Hoods	Hoods side-entry	09 30 016 1540	09 30 016 0540 09 30 016 0541	21 21 29		
	Hoods top-entry	09 30 016 1440	09 30 016 0440 09 30 016 0441	21 21 29		
Housings	Housings bulkhead mounting	09 30 016 0307 with thermo-plastic cover 09 30 016 0306 with metal cover 09 30 016 0318		— — —		
	Housings surface mounting	09 30 016 1250	09 30 016 0250 09 30 016 0251	21 29		
		09 30 016 1290	09 30 016 0290 09 30 016 0291	21 29		
		09 30 016 1255	09 30 016 0255 09 30 016 0256	21 29		
		09 30 016 1295	09 30 016 0295 09 30 016 0296	21 29		
		09 30 016 2295	09 30 016 2297 09 30 016 2298	21 29		

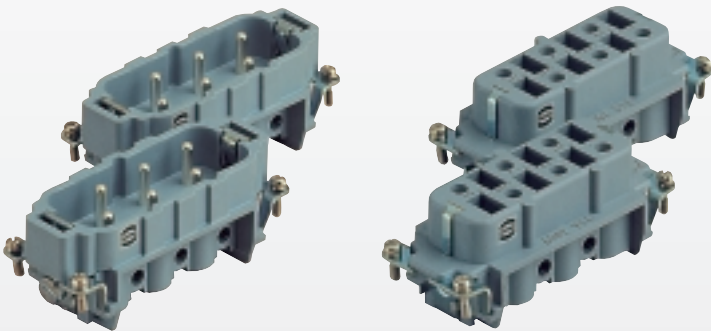
¹⁾ Blind way for one cable entry

	h
Low construction	56
High construction	81

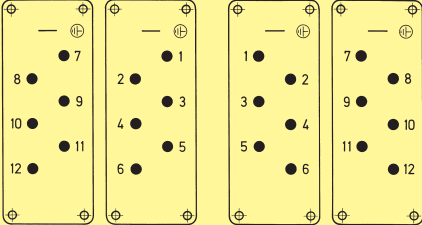
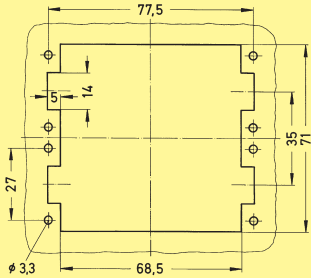
	h
Low construction	47.5
High construction	78.5

Number of contacts

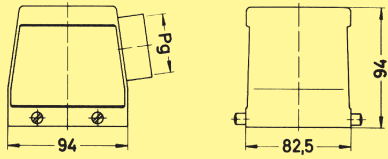
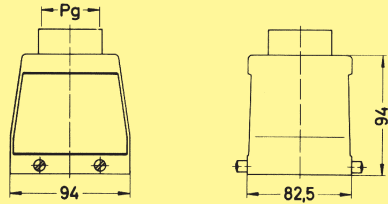
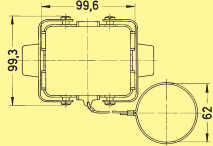
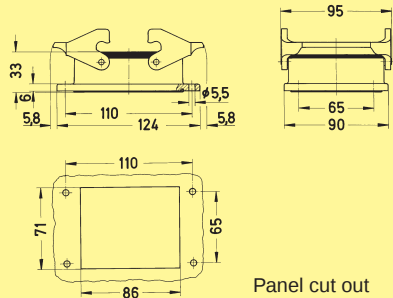
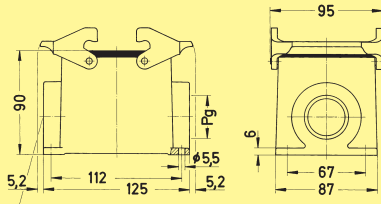
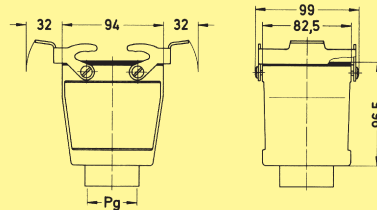
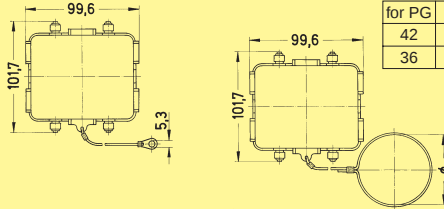
12 + 



Inserts

Part No.					
Identification	Series	Male insert (M)	Female insert (F)	Drawing	Dimensions in mm
Screw terminal	Han HsB			Dimensions for inserts see page 07.11	
				Contact arrangement View from termination side	
	1– 6	09 31 006 2601	09 31 006 2701		
	7–12	09 31 006 2611	09 31 006 2711		
				Panel cut out for inserts for use without hoods/housings	
					

Stock items in bold type

Identification		Part No.	Pg	Drawing	Dimensions in mm
Hoods	Hoods side-entry		09 30 032 0521 09 30 032 0522 09 30 032 0523	29 36 42	
	Hoods top-entry		09 30 032 0421 09 30 032 0422 09 30 032 0423	29 36 42	
	Protection cover for hoods	09 30 032 5420	—		
Housings	Housing bulkhead mounting		09 30 032 0301	—	
	Housings surface mounting		09 30 032 0231 09 30 032 0232 09 30 032 0233 09 30 032 0271 09 30 032 0272 09 30 032 0273	1 x 29 1 x 36 1 x 42 2 x 29 2 x 36 2 x 42	 Panel cut out Blind way for one cable entry
	Hoods cable to cable		09 30 032 0731 09 30 032 0732 09 30 032 0733	29 36 42	
	Protection covers for housings for cable to cable hoods		09 30 032 5425 09 30 032 5426 09 30 032 5427	— 42 36	 for PG Ø 42 64 36 55,5

Distributed load feeder
with connector
Han® Q 5/0



Photograph by courtesy of
Fa. Siemens
Antriebs-, Schalt- und Installationstechnik
D-91050 Erlangen