

## Han<sup>®</sup> HsB

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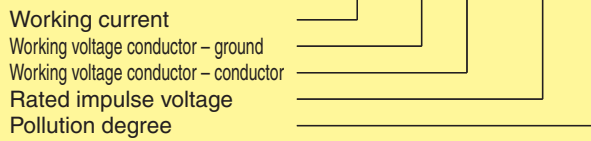
**Specifications**  
 DIN VDE 0627  
 DIN VDE 0110  
 DIN EN 61984

**Approvals**

**Inserts**

Number of contacts 6, 12 (2 x 6) + PE

Electrical data acc. to DIN EN 61984 **35 A 400/690 V 6 kV 3**



or 35 A 500 V 6 kV 3

Working voltage acc. to UL/CSA 600 V

Insulation resistance  $\geq 10^{10} \Omega$   
 Material Polycarbonate  
 Limiting temperatures  $-40^{\circ}\text{C} / +125^{\circ}\text{C}$   
 Flammability acc. to UL 94 V 0  
 Mechanical working life - Mating cycles  $\geq 500$

**Contacts**

Material copper alloy  
 Surface - hard-silver plated 3  $\mu\text{m}$  Ag  
 Contact resistance  $\leq 1 \text{ m}\Omega$   
 Screw terminal -  $\text{mm}^2$  6  $\text{mm}^2$   
 - AWG 10  
 - Tightening torque 1.2 Nm

**Hoods/Housings**

Material die cast aluminium  
 Surface powder-coated RAL 7037  
 Locking element Han-Easy Lock®  
 Hoods/Housings seal NBR  
 Limiting temperatures  $-40^{\circ}\text{C} / +125^{\circ}\text{C}$   
 Degree of protection acc. to DIN EN 60529 for coupled connector IP 65  
 Further selection of hoods/housings chapter 30 / chapter 31

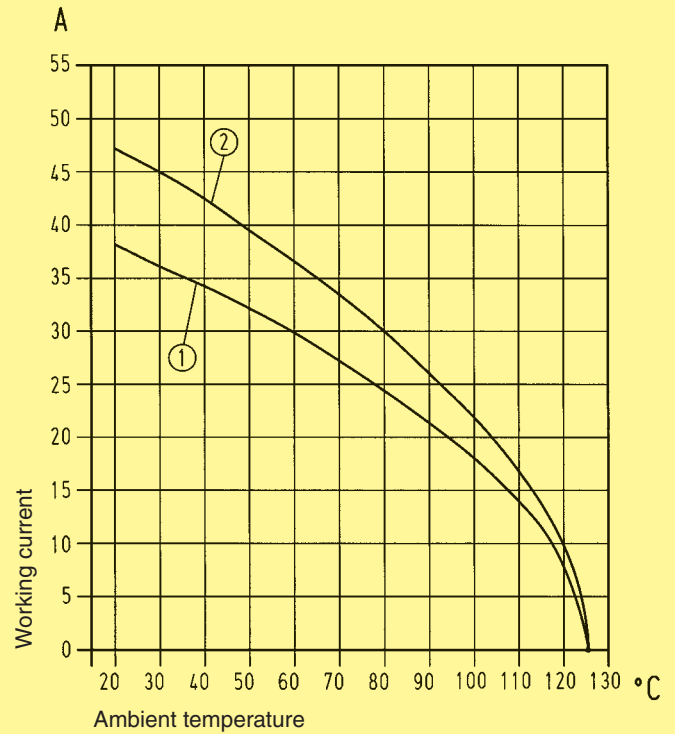
**Accessories**

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.

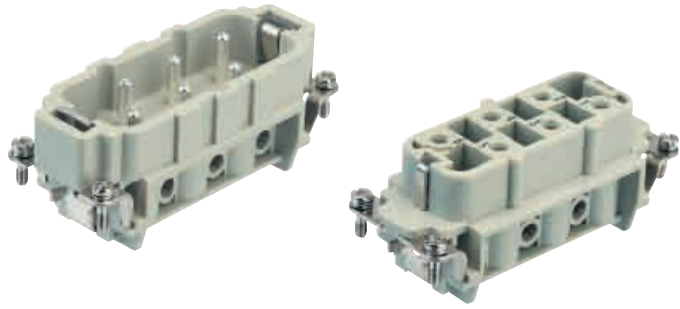
Control and test procedures according to DIN IEC 60512-5.



- ① Wire gauge: 4 mm<sup>2</sup>
- ② Wire gauge: 6 mm<sup>2</sup>

Number of contacts

6 +


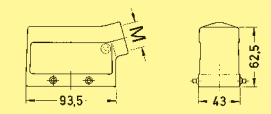
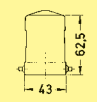
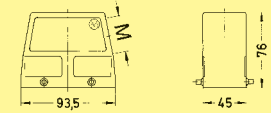
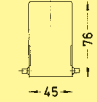
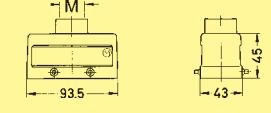
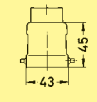
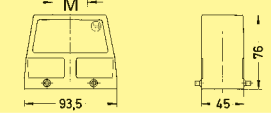
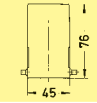
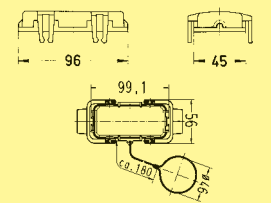
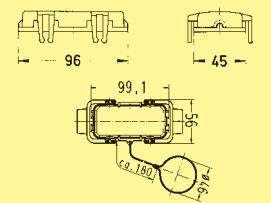

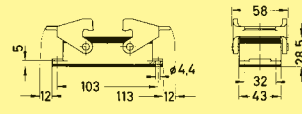

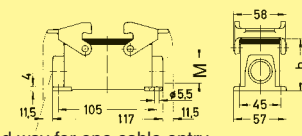


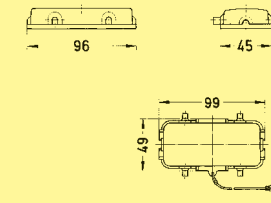
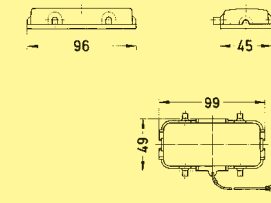

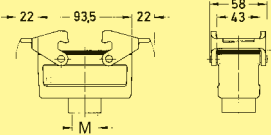

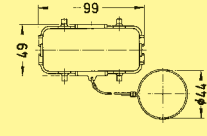




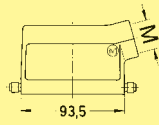
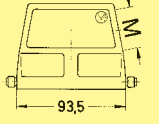
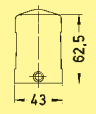
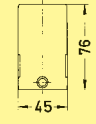


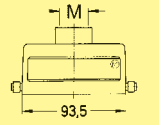
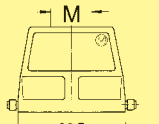
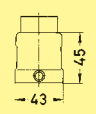
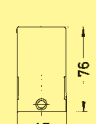

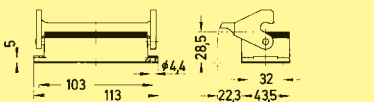
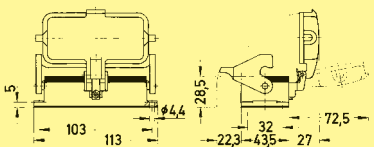

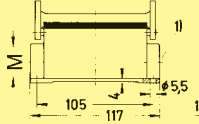
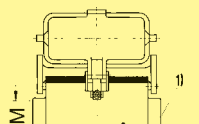

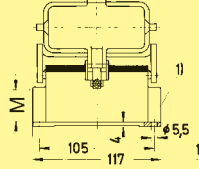
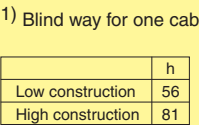

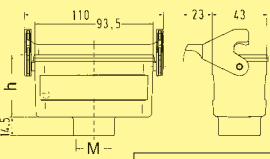
Inserts

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

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Identification	Part No.			Drawing	Dimensions in mm					
	Low construction	High construction	M							
<b>Hoods</b> side-entry 	<b>19 30 016 1521</b> <b>19 30 016 1522</b>		25 32							
						<b>19 30 016 0527</b> <b>19 30 016 0528</b>	32 40			
	<b>19 30 016 1421</b> <b>19 30 016 1422</b>		25 32							
						<b>19 30 016 0427</b> <b>19 30 016 0428</b>	32 40			
09 30 016 5401  <b>09 30 016 5422</b>										
					<b>Housings</b> bulkhead mounting 	<b>09 30 016 0301</b>		—	Panel cut out 82 x 35 mm 	
<b>Housings</b> surface mounting 1 side-entry 	<b>19 30 016 1231</b>	<b>19 30 016 0232</b>	25 32							
					2 side-entries 	<b>19 30 016 1271</b>	<b>19 30 016 0271</b> <b>19 30 016 0272</b> <b>19 30 016 0273</b>	25 32 40	Blind way for one cable entry <table border="1"> <thead> <tr> <th></th> <th>h</th> </tr> </thead> <tbody> <tr> <td>Low construction</td> <td>56</td> </tr> <tr> <td>High construction</td> <td>81</td> </tr> </tbody> </table>	
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Low construction	56									
High construction	81									
<b>Housings</b> Protection covers for housings bulkhead mounting thermoplastic/metal 	<b>09 30 016 5405</b>  <b>09 30 016 5425</b>									
						<b>Hoods</b> cable to cable 	<b>19 30 016 1731</b>	<b>19 30 016 0736</b> <b>19 30 016 0737</b>	25 32	
<b>Protection cover</b> for hoods cable to cable metal 	09 30 016 5426									

Identification	Part No.		M	Drawing	Dimensions in mm		
	Low construction	High construction					
Hoods side-entry	 	<b>19 30 016 1541</b> 19 30 016 1542	25 32	 	 		
		<b>19 30 016 0547</b> 19 30 016 0548	32 40				
	Hoods top-entry	 	<b>19 30 016 1441</b> 19 30 016 1442	25 32	 	 	
			<b>19 30 016 0447</b> 19 30 016 0448	32 40			
Housings bulkhead mounting		<b>09 30 016 0307</b>	—	Panel cut out 82 x 35 mm  	— — —		
		with thermo-plastic cover <b>09 30 016 0306</b>	—				
		with metal cover <b>09 30 016 0318</b>	—				
Housings surface mounting		<b>19 30 016 1251</b>	<b>19 30 016 0252</b>	 	25 32		
		2 side-entries <b>19 30 016 1291</b>	<b>19 30 016 0291</b> <b>19 30 016 0292</b>			25 32	
		1 side-entry <b>19 30 016 1256</b>	with thermo-plastic cover <b>19 30 016 0297</b>	25	 	25 32	
		2 side-entries <b>19 30 016 1296</b>		with thermo-plastic cover <b>19 30 016 0297</b>			25 32
		2 side-entries with metal cover 19 30 016 2296		with thermo-plastic cover <b>19 30 016 0297</b>			25
Hoods cable to cable		<b>19 30 016 1751</b>	<b>19 30 016 0757</b>		25 32		

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1) Blind way for one cable entry

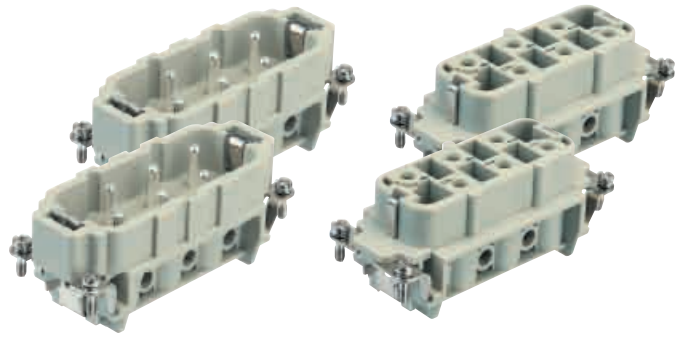
	h
Low construction	56
High construction	81

	h
Low construction	47.5
High construction	78.5

Stock items in bold type

Number of contacts


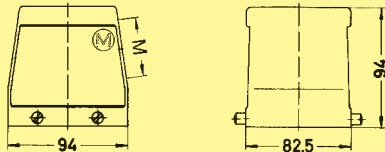

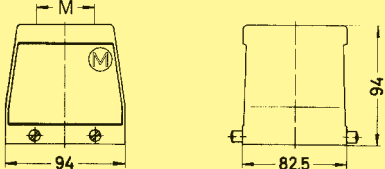
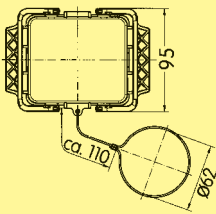

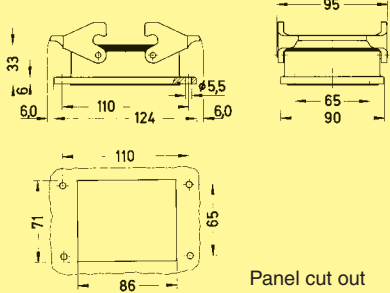

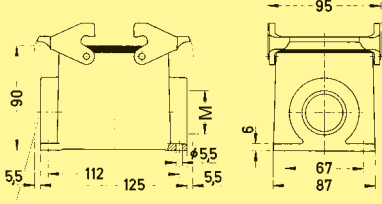

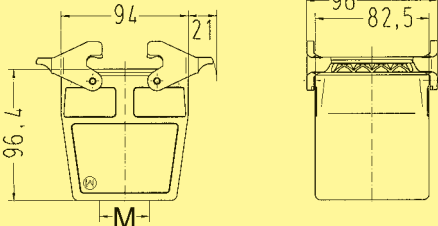
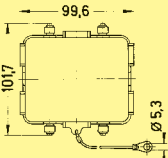
12 +



Inserts

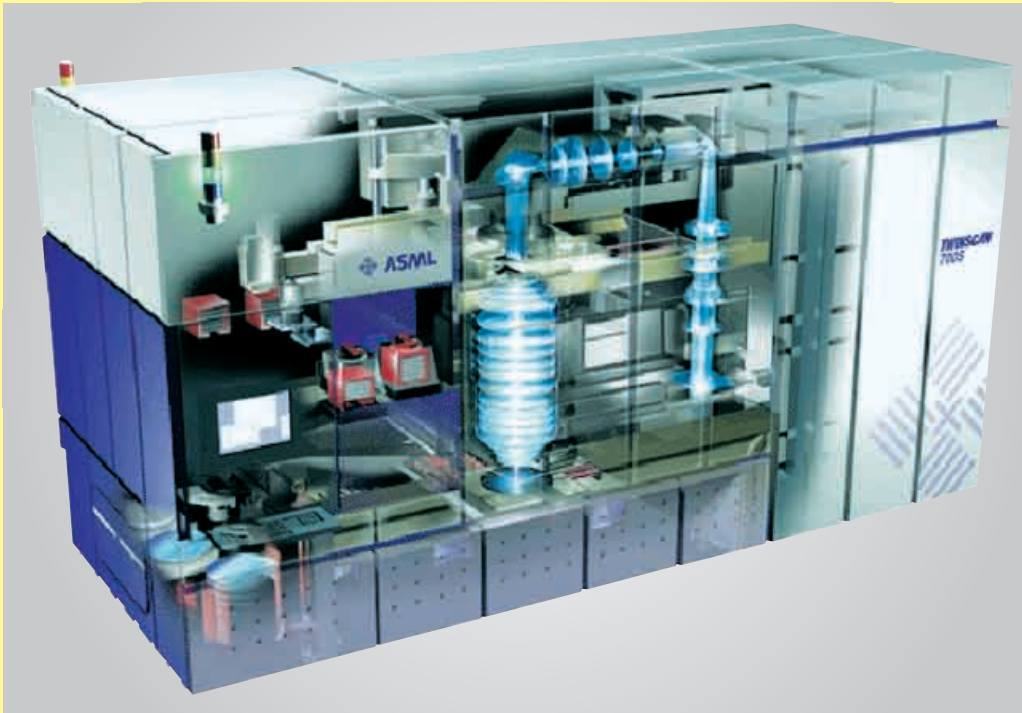
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Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
Screw terminal	Han® HsB			Dimensions for inserts see page 07.11	
		1- 6 7-12	<b>09 31 006 2601</b> <b>09 31 006 2611</b>		
				<p>Panel cut out for inserts for use without hoods/housings</p>	

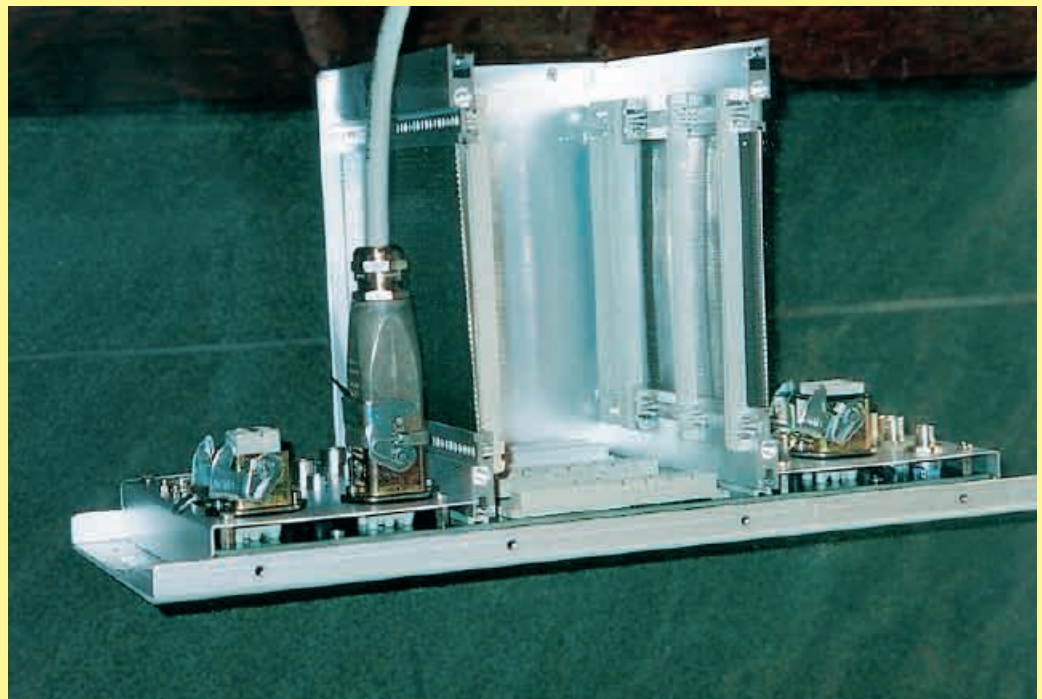
Identification		Part No.	M	Drawing	Dimensions in mm
Hoods	Hoods side-entry 	<b>19 30 032 0527</b> <b>19 30 032 0528</b> 19 30 032 0529	32 40 50		94 82,5
	Hoods top-entry 	<b>19 30 032 0427</b> <b>19 30 032 0428</b> 19 30 032 0429	32 40 50		94 82,5
	Protection cover for hoods	<b>09 30 032 5420</b>	—		95 Ø82
Housings	Housing bulkhead mounting 	<b>09 30 032 0301</b>	—		95 65 90
	Housings surface mounting 	<b>19 30 032 0232</b> 19 30 032 0272 <b>19 30 032 0273</b>	1 x 32 2 x 32 2 x 40		95 67 87
	Hoods cable to cable 	19 30 032 0738	1 x 40		96 82,5
	Protection covers for housings	<b>09 30 032 5425</b>	—		99,6 1017 Ø5,3

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“Wafer scanner” TWINSCAN  
ASML, Lithography, Veldhoven, Netherlands



Han® Q 5/0 PCB adapter used at  
ASML, Lithography, Veldhoven, Netherlands

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