

Specifications	DIN VDE 0627 DIN VDE 0110
Approvals	SEV
Standards	DIN 43 652 CECC 75 301-801

<b>Inserts</b>	
Number of contacts	7, 15, 25, 40, 50 (2 x 25), 64, 80 (2 x 40), 128 (2 x 64) + PE 10 A max.
Working current (see current carrying capacity)	
Working voltage for crimp terminal	250 V, insulation group C 600 V acc. to UL / CSA Contact arrangement for higher voltage see page 02.42
Working voltage for wrap terminal	250 V, insulation group B 30 V / 2 A acc. to CSA
Test voltage $U_{rms}$	2 kV
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	$\geq 500$

<b>Contacts</b>	
Material	copper alloy
Surface	
- hard-silver plated	3 $\mu\text{m}$ Ag
- hard-gold plated	2 $\mu\text{m}$ Au over 3 $\mu\text{m}$ Ni
Contact resistance	$\leq 3 \text{ m}\Omega$
Crimp terminal	
- mm <sup>2</sup>	0.14 - 2.5 mm <sup>2</sup>
- AWG	26 - 14
Wrap terminal	
	1 x 1 mm – length 22 mm
	Diagonal 1.34 - 1.45 mm
	Contact spacing 5.08 mm (40 + 64 poles)
	Contact spacing 5.3 mm (15 + 25 poles)

<b>Hoods/Housings</b>	
Material	GD-Al Si 8
Han 7 D additional	thermoplastic resin
Flammability acc. to UL 94	V 0
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

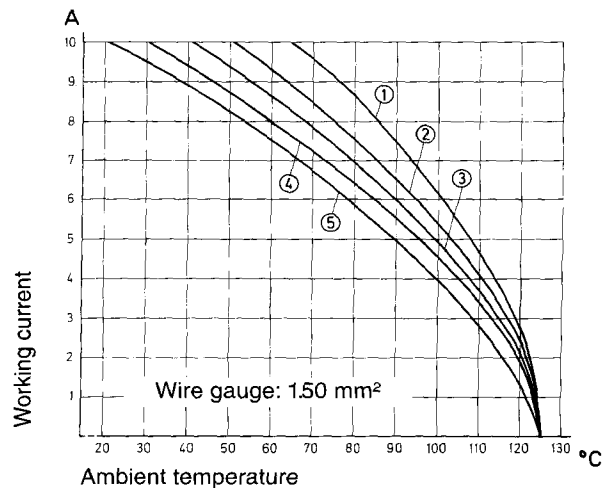
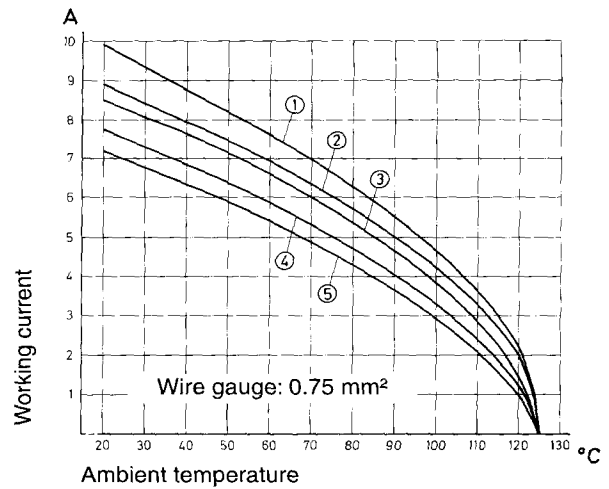
<b>Accessories</b>	
Crimping tools	chapter 12
Cable clamps	chapter 40
Coding of hoods/housings	chapter 40
Label acc. to CSA-approval	chapter 40
Han-Snap	chapter 11
Test connector	chapter 20

Guide pins and bushes are prescribed for the following connectors: 15, 25, 40, 50, 64, 80 and 128 poles (see chapter 40)

**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 7 D
- ② Han 15 D
- ③ Han 25 D
- ④ Han 40 D
- ⑤ Han 64 D

**Technical characteristics Han 8 D**

Specifications	BVS, CERCHAR, SABS
Number of contacts	8
Working voltage	42 V, Insulation group C acc. to VDE 0110 50 V acc. to CSA

Degree of protection acc. to DIN 40 050 for coupled connector  
for thermoplastic hoods/housings IP 65  
for metal hoods/housings IP 44; IP 65 with sealing screw

All other technical characteristics as for series Han D.

**Specifications**

DIN VDE 0627  
DIN VDE 0110

**Approvals**

SEV

**Inserts**

Number of contacts 24, 42, 72, 108, 144 (2 x 72),  
216 (2 x 108) + PE  
Working current (see current carrying capacity) 10 A max.  
Working voltage 250 V, Insulation group C  
600 V acc. to UL / CSA  
Test voltage  $U_{rms}$  2 kV  
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  $\geq 500$

**Contacts**

Material copper alloy  
Surface - hard-silver plated 3  $\mu\text{m}$  Ag  
- hard-gold plated 2  $\mu\text{m}$  Au over 3  $\mu\text{m}$  Ni  
Contact resistance  $\leq 3 \text{ m}\Omega$   
Crimp terminal  
-  $\text{mm}^2$  0.14 - 2.5  $\text{mm}^2$   
- AWG 26 - 14

**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 connectors IP 65

Further selection of hoods/housings chapter 30

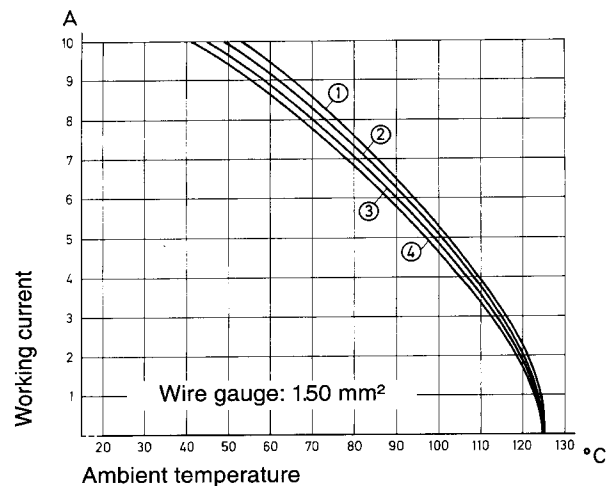
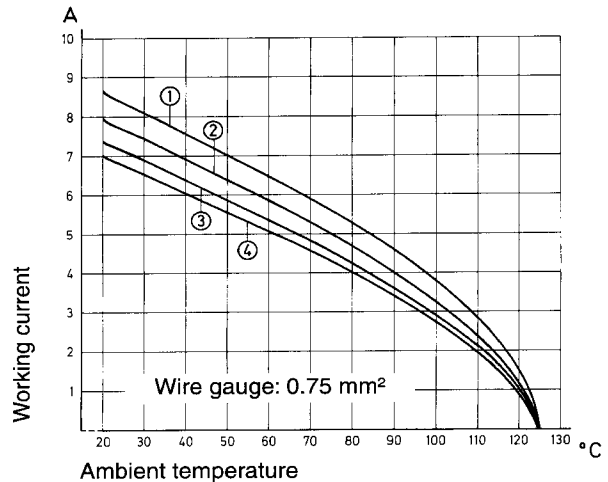
**Accessories**

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  
Test connector chapter 20  
PC-Board adapter 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.

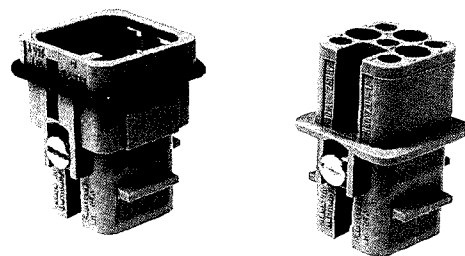
Control and test procedures according to DIN IEC 512-3.



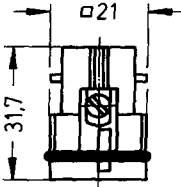
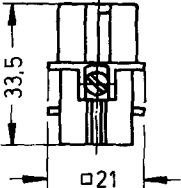


- ① Han 24 DD
- ② Han 42 DD
- ③ Han 72 DD
- ④ Han 108 DD

Number of contacts

7 + 



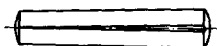
## Inserts


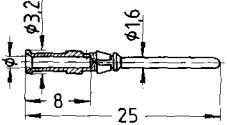
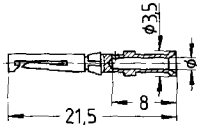

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Order crimp contacts separately	<b>Han D</b>				
		<b>09 21 007 3031<sup>1)</sup></b>	<b>09 21 007 3131<sup>1)</sup></b>	M	   
		<b>09 33 000 9915</b>			<p>To avoid accidental incorrect mating of adjacent connectors a coding system is required. Coding is effected by means of a code pin to be inserted into the selected chamber of the female insert. The opposite male contact should be omitted.</p>

<sup>1)</sup> Attention

Only for thermoplastic hoods/housings

Coding system with loss of contact



Identification	Wire gauge (mm <sup>2</sup> )	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		
<b>Crimp contacts</b>					
silver plated 	0.14-0.37	<b>09 15 000 6104</b>	<b>09 15 000 6204</b>	 	
	0.5	<b>09 15 000 6103</b>	<b>09 15 000 6203</b>		
	0.75	<b>09 15 000 6105</b>	<b>09 15 000 6205</b>		
	1.0	<b>09 15 000 6102</b>	<b>09 15 000 6202</b>		
	1.5	<b>09 15 000 6101</b>	<b>09 15 000 6201</b>		
	2.5	<b>09 15 000 6106</b>	<b>09 15 000 6206</b>		
gold plated 	0.14-0.37	<b>09 15 000 6124</b>	<b>09 15 000 6224</b>		
	0.5	<b>09 15 000 6123</b>	<b>09 15 000 6223</b>		
	0.75	<b>09 15 000 6125</b>	<b>09 15 000 6225</b>		
	1.0	<b>09 15 000 6122</b>	<b>09 15 000 6222</b>		
	1.5	<b>09 15 000 6121</b>	<b>09 15 000 6221</b>		
	2.5	<b>09 15 000 6126</b>	<b>09 15 000 6226</b>		

Wire gauge		Ø	Stripping length
0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.90 mm	8 mm
0.5 mm <sup>2</sup>	AWG 20	1.10 mm	8 mm
0.75 mm <sup>2</sup>	AWG 18	1.30 mm	8 mm
1 mm <sup>2</sup>	AWG 18	1.45 mm	8 mm
1.5 mm <sup>2</sup>	AWG 16	1.75 mm	8 mm
2.5 mm <sup>2</sup>	AWG 14	2.25 mm	6 mm

Stock items in bold type