

151 845. / 846



Specifications	see page 4
Approvals	UL, CSA, SEV DNV, BVS, CERCHAR, SABS
Standard	DIN 43652
Number of contacts	7, 15, 25, 40, 50 (2 x 25), 64, 80 (2 x 40), 128 (2 x 64) + ground ⊕

Working current	10 A max
see current carrying capacity chart	
Working voltage	
Crimp terminal	250 V ~ / 300 V – insulation group C according to VDE 0110 600 V according to UL/CSA Contact arrangement for higher voltage page 70
Wrap terminal	250 V ~ / 300 V – insulation group B according to VDE 0110 30 V ~ / 2 A according to CSA

Test voltage $U_{r.m.s}$	2 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 10^{10} \Omega$
Temperature range	-40 °C + 125 °C
The higher temperature limit includes the local ambient and heating effect of the contacts under load	
Degree of protection	IP 65 for coupled connector

Electrical termination	
Crimp terminal	0,14–2,5 mm ²
Wrap terminal	1 x 1 mm length 22 mm Diagonal 1,34–1,45 mm Contact spacing 5,08 mm 40- + 64poles Contact spacing 5,3 mm 15- + 25poles

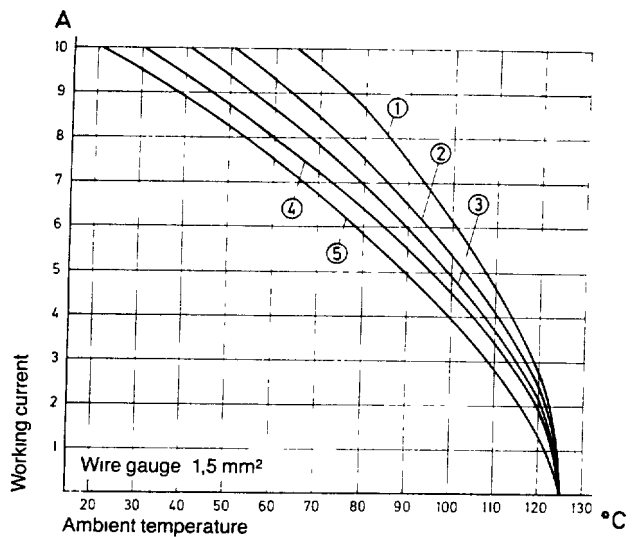
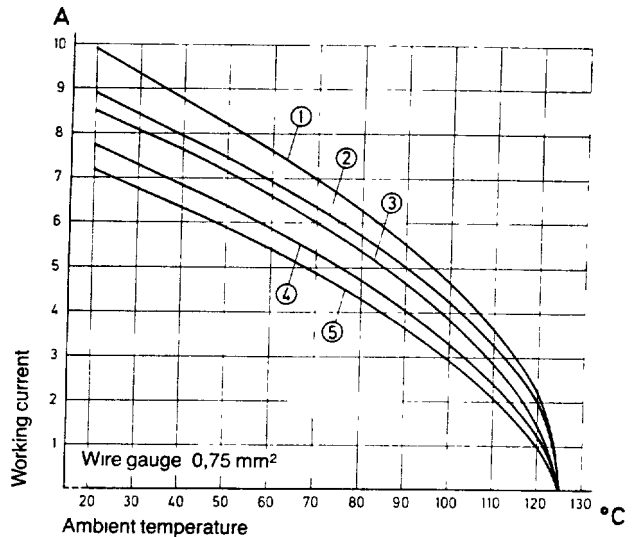
Materials	
Inserts	thermoplastic resin, glass-fibre filled (UL-listed)
Contacts	copper alloy
Contact surface	hard-silver plated hard-gold plated
Hoods/Housings	light alloy see page 12 Han 7 D thermoplastic resin, shock proof, glass-fibre filled

Accessories	
Crimping tools	page 152
Covers	page 154
Coding options	page 156
Special insert fixing screws	page 157
CSA label	page 157
Cable entry protection	page 158
Test connectors	page 163

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 41 640, part 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 U

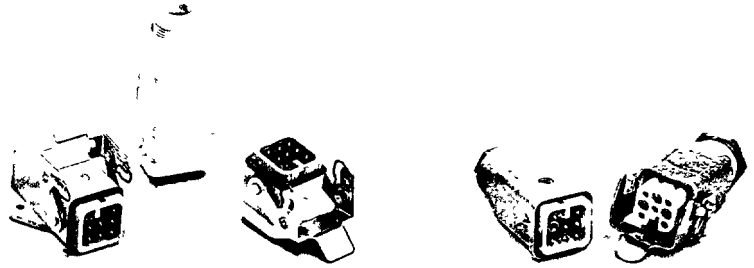
Approvals	UL, CSA DNV, BVS, CERCHAR, SABS
Number of contacts	8
Working voltage	42 V ~ insulation group C according to VDE 0110 50 V ~ according to CSA

All other technical characteristics as for series Han D

Guide pins and bushes are prescribed for the following connectors:
15-, 25-, 40-, 64-, 80-, 128poles page 156

Number of contacts

7 + ⊕, 8



Inserts

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
Crimp terminal Order contacts separately 250 V~ 	Han D			Contact arrangement View from termination side Male insert Female insert	
1) Attention Only for thermoplastic hoods/housings Crimp terminal Order contacts separately 42 V~ 	Han U			Contact arrangement View from termination side Male insert Female insert	

For thermoplastic and metal hoods/housings

Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		
Crimp contacts Crimping tools page 152 		silver plated	silver plated		
	0,14-0,37	09 15 000 6104	09 15 000 6204		
	0,5	09 15 000 6103	09 15 000 6203		
	0,75-1	09 15 000 6102	09 15 000 6202		
	1,5	09 15 000 6101	09 15 000 6201		
	2,5	09 15 000 6106	09 15 000 6206		
		gold plated	gold plated		
	0,14-0,37	09 15 000 6124	09 15 000 6224		
	0,5	09 15 000 6123	09 15 000 6223		
	0,75-1	09 15 000 6122	09 15 000 6222		
	1,5	09 15 000 6121	09 15 000 6221		
	2,5	09 15 000 6126	09 15 000 6226		

Wire gauge		Ø	Stripping length
0,14-0,37 mm ²	AWG 26-22	0,90 mm	8 mm
0,5 mm ²	AWG 20	1,10 mm	8 mm
0,75-1 mm ²	AWG 18	1,45 mm	8 mm
1,5 mm ²	AWG 16	1,75 mm	8 mm
2,5 mm ²	AWG 14	2,25 mm	6 mm