

Han D[®] · Han DD[®]

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Han
D/DD

Specifications

DIN VDE 0627
DIN VDE 0110
DIN EN 61 984

Approvals

, , SEV

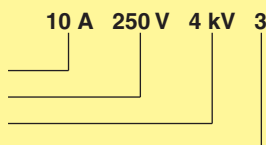
Standards

DIN EN 175 301 - 801

Inserts

Number of contacts 7, 15, 25, 40, 50 (2 x 25), 64, 80 (2 x 40), 128 (2 x 64) + PE

Electrical data
acc. to DIN EN 61 984



Working current
Working voltage
Impulse rated voltage
Pollution degree

– Pollution degree 2 also 10 A 230/400 V 4 kV 2

Working voltage
acc. to UL/CSA 600 V
Working voltage for
wrap terminal acc. to CSA 2 A 30 V
Contact arrangement for higher voltage see page 02.42

Insulation resistance $\geq 10^{10} \Omega$
Material Polyamide
Limiting temperature $-40^{\circ}\text{C} / +125^{\circ}\text{C}$
Flammability acc. to UL 94 HB
Mechanical working life
– mating cycles ≥ 500

Contacts

Material copper alloy
Surface - hard-silver plated
– hard-gold plated 3 μm Ag
Contact resistance $\leq 3 \text{ m}\Omega$
Crimp terminal - mm² 2 μm Au over 3 μm Ni
– AWG 0.14 - 2.5 mm²
Wrap terminal 26 - 14
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)

Hoods/housings

Material die cast aluminium
Material Size 3 A Polycarbonate RAL 7032
Locking element Han-Easy Lock®
Locking element Size 3 A Polyamid RAL 7032
Flammability acc. to UL 94 V 0
Hoods/housings seal NBR
Limiting temperature $-40^{\circ}\text{C} / +125^{\circ}\text{C}$
Degree of protection acc. to DIN
EN 60 529 for coupled connector IP 65 / 67

Further selection
of hoods/housings chapter 30 / chapter 31

Accessories

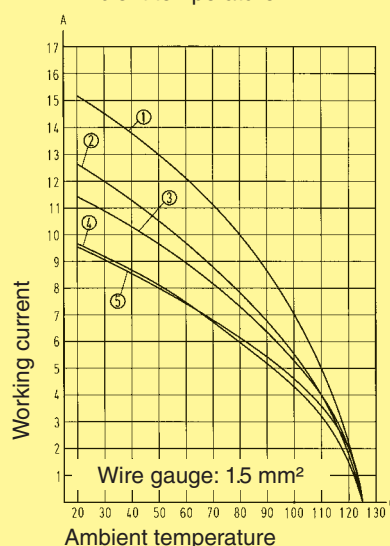
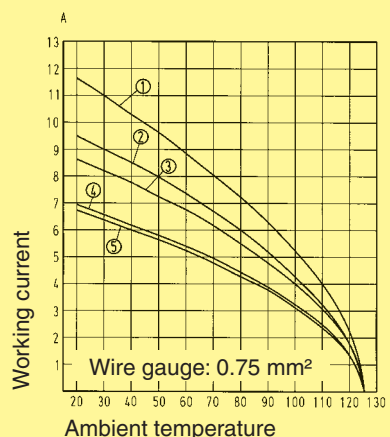
Crimping tools chapter 99
Cable clamps chapter 40
Coding of hoods/housings chapter 40
Label acc. to CSA-approval chapter 40
Han-Snap® chapter 11
Test connector chapter 40

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 60 512-5.



① Han® 7 D ③ Han® 25 D ⑤ Han® 64 D
② Han® 15 D ④ Han® 40 D

Technical characteristics Han® 8 D

Approvals

, , SEV

Number of contacts

8

Electrical data
acc. to DIN EN 61 984

Working current 10 A
Working voltage ~ 50 V / – 120 V

Working voltage
acc. to UL/CSA 50 V

Hoods/housings

Degree of protection acc. to DIN
EN 60 529 for coupled connector
for thermoplastic hoods/housings IP 65 / 67
for metal hoods/housings IP 44;
with seal screw 09 20 000 9918 IP 65 / 67

All other technical characteristics as for series Han D®.

Specifications

DIN VDE 0627
DIN VDE 0110
DIN EN 61 984

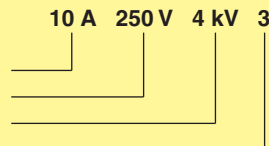
Approvals

SEV

Inserts

Number of contacts 24, 42, 72, 108, 144 (2 x 72),
216 (2 x 108) + PE

Electrical data
acc. to DIN EN 61 984



Working current
Working voltage
Impulse rated voltage
Pollution degree

– Pollution degree 2 also 10 A 230/400 V 4 kV 2

Working voltage
acc. to UL/CSA 600 V

Insulation resistance $\geq 10^{10} \Omega$
Material Polycarbonate
Limiting temperature $-40^{\circ}\text{C} / +125^{\circ}\text{C}$
Flammability acc. to UL 94 V0
Mechanical working life
– mating cycles ≥ 500

Contacts

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

Hoods/Housings

Material die cast aluminium
Surface powder-coated RAL 7037
Locking element Han-Easy Lock®
Hoods/Housings seal NBR
Limiting temperature $-40^{\circ}\text{C} / +125^{\circ}\text{C}$
Degree of protection acc. to DIN EN 60 529 IP 65
for coupled connectors
Further selection of hoods/housings chapter 30 / chapter 31

Accessories

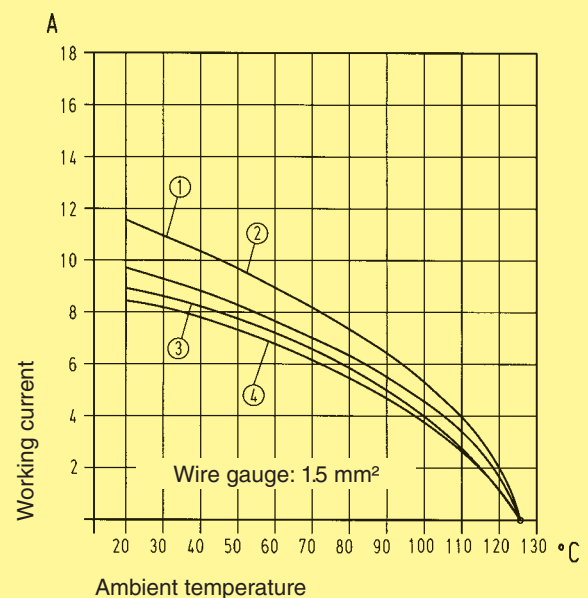
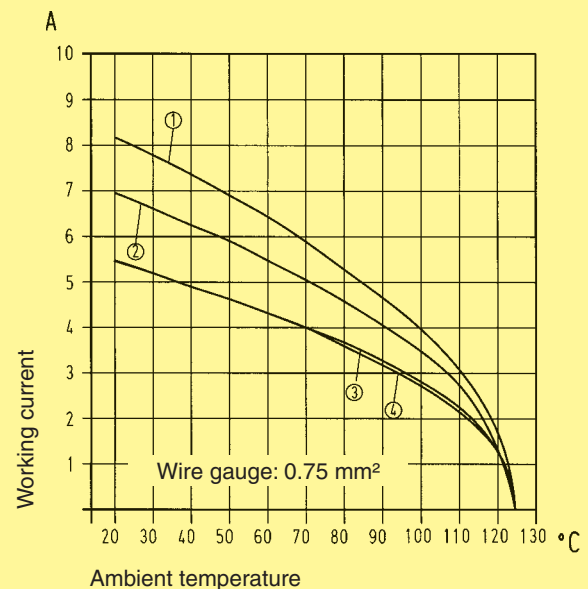
Crimping tools chapter 99
Cable clamps chapter 40
Coding of hoods/housings chapter 40
Label acc. to CSA-approval chapter 40
Han-Snap® chapter 11
Test connector chapter 40
PC-Board adapter chapter 40

Guide pins and bushes are recommended for the following connectors: 72, 108, 144 and 216 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.

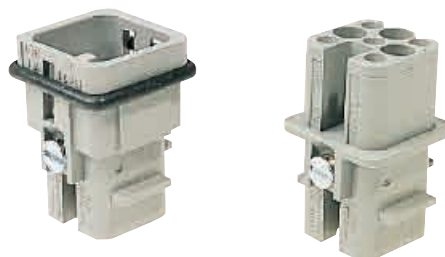
Control and test procedures according to DIN IEC 60512-5.



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

Number of contacts

7 +

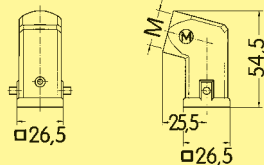
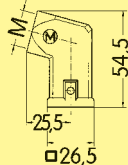
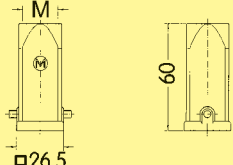
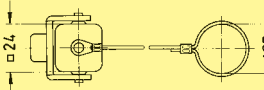
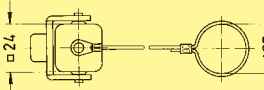
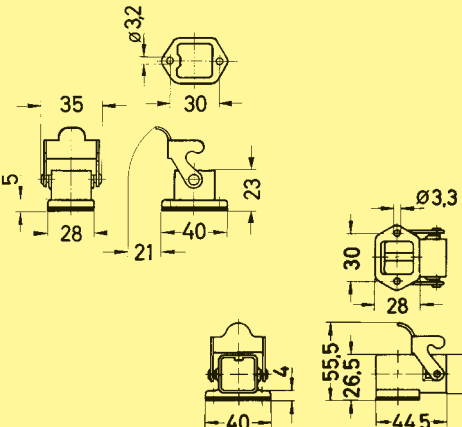
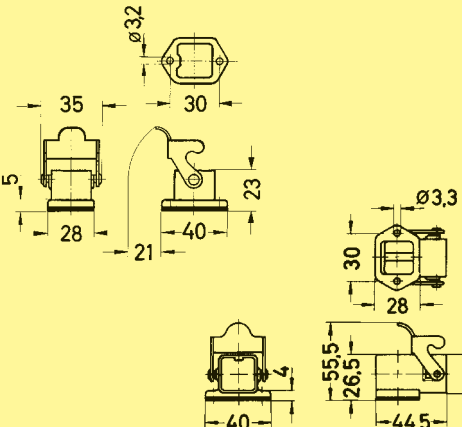
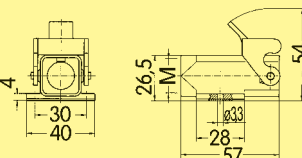
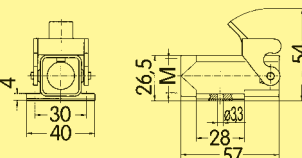
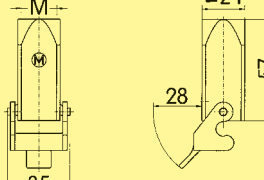
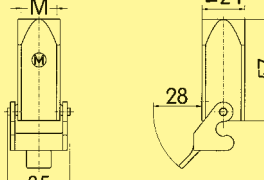
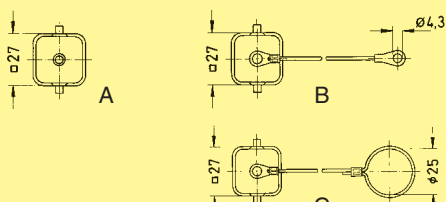
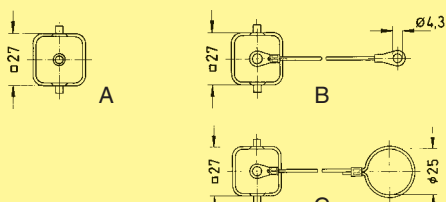
Han
D/DD

Inserts

Part No.					
Identification	Series	Male insert (M)	Female insert (F)	Drawing	Dimensions in mm
Crimp terminal Order crimp contacts separately	Han D®	09 21 007 3031 ¹⁾	09 21 007 3131 ¹⁾	M F	Contact arrangement View from termination side 7 8 2 3 6 5 4 1 4 1 3 2 8 5 6 7
1) Attention Only for thermoplastic hoods/housings					
Coding system with loss of contact		09 33 000 9915	Use of the coding pin prevents incorrect mating to other connectors of the same type. The male pin should be omitted from the opposing cavity in the male insert.		

Wire gauge		Part No.	
Identification	(mm²)	Male contacts	Female contacts
Crimp contacts			
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	09 15 000 6105	09 15 000 6205
	1.0	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	0.14-0.37	09 15 000 6124	09 15 000 6224
	0.5	09 15 000 6123	09 15 000 6223
	0.75	09 15 000 6125	09 15 000 6225
	1.0	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
FOC contacts for 1 mm plastic fibre		20 10 001 3212	20 10 001 3222

Stock items in bold type

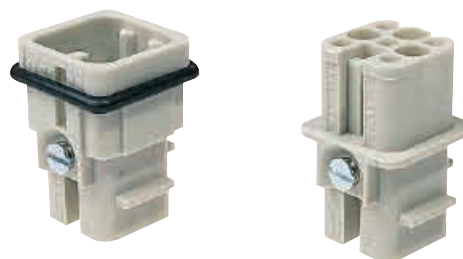
Identification		Part No.	M	Drawing	Dimensions in mm
Hoods	Hoods side-entry	 grey 19 20 003 0620 black 19 20 003 0627	20 20		
	Hoods top-entry	 grey 19 20 003 0420 black 19 20 003 0427	20 20		
	Protection covers for hoods	09 20 003 5442 ¹⁾ 09 20 003 5441 ²⁾			
Housings	Housings bulkhead mounting	 grey 09 20 003 0320 black 09 20 003 0327 grey 09 20 003 0820 black 09 20 003 0827	— — — —		
	Housings surface mounting 1 side-entry	 grey 19 20 003 0220	20		
	Hoods cable to cable	 grey 19 20 003 0720 black 19 20 003 0727	20 20		
	Protection covers for housings	A 09 20 003 5407 ¹⁾³⁾ 09 20 003 5408 ²⁾³⁾ B 09 20 003 5445 ²⁾ 09 20 003 5446 ¹⁾ 09 20 003 5447 ²⁾³⁾			
	for hoods cable to cable	C 09 20 003 5448 ¹⁾			

¹⁾ for mounted male insert
²⁾ for mounted female insert

³⁾ for metal housings and cable to cable hoods also
⁴⁾ for mounted Han-Brid® male and female insert

Number of contacts

8

Han
D/DD

Inserts

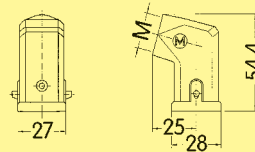
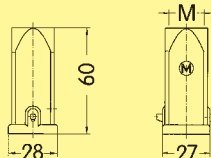
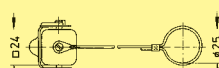
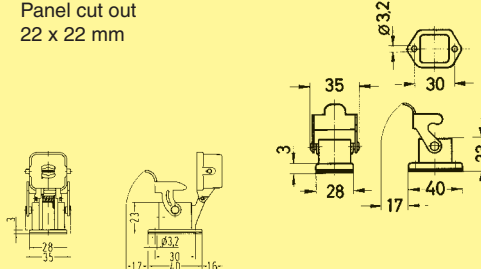
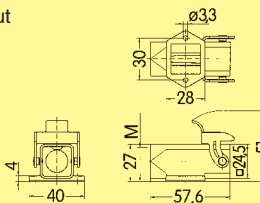
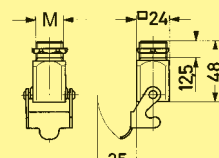
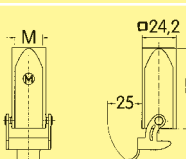
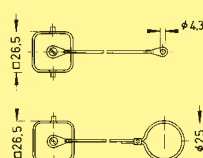
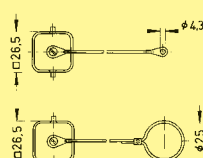
Part No.					
Identification	Series	Male insert (M)	Female insert (F)	Drawing	Dimensions in mm
Crimp terminal Order Crimp contacts separately For thermoplastic and metal hoods/housings	Han D®	09 36 008 3001	09 36 008 3101	M F	Contact arrangement View from termination side
Coding system with loss of contact 					09 33 000 9915

Wire gauge		Part No.	
Identification	(mm²)	Male contacts	Female contacts
Crimp contacts silver plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	09 15 000 6104 09 15 000 6103 09 15 000 6105 09 15 000 6102 09 15 000 6101 09 15 000 6106	09 15 000 6204 09 15 000 6203 09 15 000 6205 09 15 000 6202 09 15 000 6201 09 15 000 6206
 gold plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	09 15 000 6124 09 15 000 6123 09 15 000 6125 09 15 000 6122 09 15 000 6121 09 15 000 6126	09 15 000 6224 09 15 000 6223 09 15 000 6225 09 15 000 6222 09 15 000 6221 09 15 000 6226

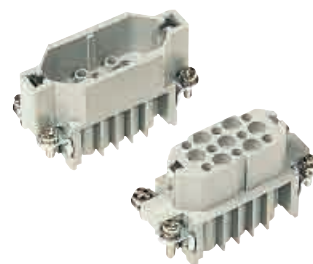
Wire gauge	ø	Stripping length
0.14-0.37 mm²	AWG 26-22	0.90 mm
0.5 mm²	AWG 20	1.10 mm
0.75 mm²	AWG 18	1.30 mm
1 mm²	AWG 18	1.45 mm
1.5 mm²	AWG 16	1.75 mm
2.5 mm²	AWG 14	2.25 mm

20 10 001 3212	20 10 001 3222

Stock items in bold type

Identification			Part No.	M	Drawing	Dimensions in mm
Hoods	Hood side-entry		19 20 003 1640	20		
	Hood top-entry		19 20 003 1440	20		
	Protection covers for hoods		09 20 003 5422 ¹⁾ 09 20 003 5421 ²⁾			
Housings	Housings bulkhead mounting		09 20 003 0301		Panel cut out 22 x 22 mm 	
	with fixed cover		09 20 003 0305 ¹⁾			
	without sealing		09 20 003 0306 ²⁾			
	with sealing		09 20 003 0801			
	Housing surface mounting		19 20 003 1250	20	Panel cut out 22 x 22 mm 	
	1 side-entry		19 20 003 1252	20		
	bottom closed					
	Housing screw mounting		19 20 003 1150	20		
	Hood cable to cable		19 20 003 1750	20		
	Protection covers for housings		09 20 003 5426 ¹⁾ 09 20 003 5425 ²⁾			
	for hoods cable to cable		09 20 003 5428 ¹⁾ 09 20 003 5427 ²⁾			

¹⁾ for mounted male insert ²⁾ for mounted female insert

$15 + \textcircled{\text{⏏}}$ 

Inserts

02
16

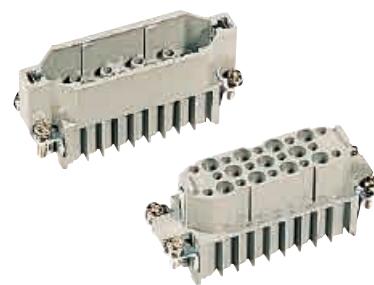
Stock items in bold type

		Part No.		M	Drawing	Dimensions in mm
Identification		Low construction	High construction			
Hoods	Hoods side-entry	19 20 010 1540	19 20 010 0546	20		Han D/DD
				25		
	Hoods top-entry	19 20 010 1440	19 20 010 0446	20		
				25		
	Protection covers for hoods	09 20 010 5423				
Housings	Housings bulkhead mounting	09 20 010 0301		—		
		with thermo- plastic cover 09 20 010 0321		—		
	Housings surface mounting	19 20 010 0251 ¹⁾		1 x 25		
	1 side-entry	19 20 010 0290		2 x 20		
	2 side-entries	with thermo- plastic cover 19 20 010 0295		2 x 20		
	Protection covers for housings	09 20 010 5425				

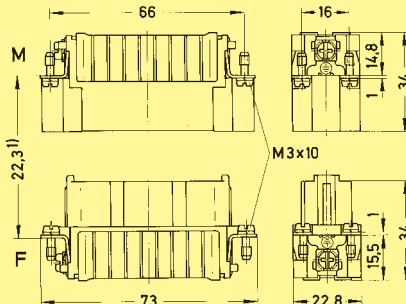
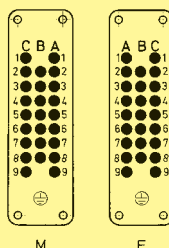
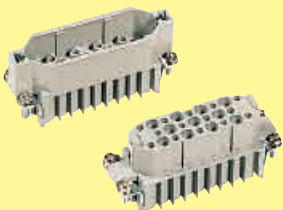
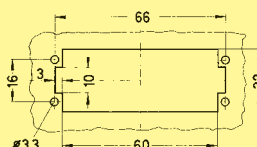
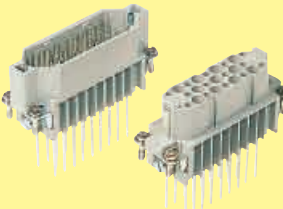
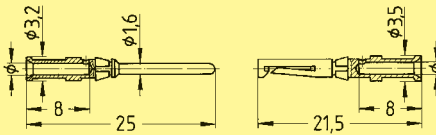
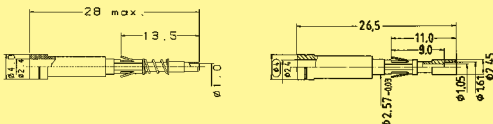
¹⁾ only metal screwing

Number of contacts

25+

Han
D/DD

Inserts

Part No.																																	
Identification	Series	Male insert (M)	Female insert (F)	Drawing	Dimensions in mm																												
Crimp terminal Order crimp contacts separately	Han D®	09 21 025 3001	09 21 025 3101		1) Distance for contact max. 24 mm Contact arrangement View from termination side 																												
																																	
Wrap terminal 1 x 1 mm	Han D®	09 21 025 2601	09 21 025 2701		Panel cut out for inserts for use without hoods/housings																												
																																	
Part No.																																	
Identification	Wire gauge (mm²)	Male contacts	Female contacts	Drawing	Dimensions in mm																												
Crimp contacts																																	
silver plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	09 15 000 6104 09 15 000 6103 09 15 000 6105 09 15 000 6102 09 15 000 6101 09 15 000 6106	09 15 000 6204 09 15 000 6203 09 15 000 6205 09 15 000 6202 09 15 000 6201 09 15 000 6206	<table><thead><tr><th colspan="2">Wire gauge</th><th>Ø</th><th>Stripping length</th></tr></thead><tbody><tr><td>0.14-0.37 mm²</td><td>AWG 26-22</td><td>0.90 mm</td><td>8 mm</td></tr><tr><td>0.5 mm²</td><td>AWG 20</td><td>1.10 mm</td><td>8 mm</td></tr><tr><td>0.75 mm²</td><td>AWG 18</td><td>1.30 mm</td><td>8 mm</td></tr><tr><td>1 mm²</td><td>AWG 18</td><td>1.45 mm</td><td>8 mm</td></tr><tr><td>1.5 mm²</td><td>AWG 16</td><td>1.75 mm</td><td>8 mm</td></tr><tr><td>2.5 mm²</td><td>AWG 14</td><td>2.25 mm</td><td>6 mm</td></tr></tbody></table>	Wire gauge		Ø	Stripping length	0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm	0.5 mm²	AWG 20	1.10 mm	8 mm	0.75 mm²	AWG 18	1.30 mm	8 mm	1 mm²	AWG 18	1.45 mm	8 mm	1.5 mm²	AWG 16	1.75 mm	8 mm	2.5 mm²	AWG 14	2.25 mm	6 mm	
Wire gauge		Ø	Stripping length																														
0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm																														
0.5 mm²	AWG 20	1.10 mm	8 mm																														
0.75 mm²	AWG 18	1.30 mm	8 mm																														
1 mm²	AWG 18	1.45 mm	8 mm																														
1.5 mm²	AWG 16	1.75 mm	8 mm																														
2.5 mm²	AWG 14	2.25 mm	6 mm																														
gold plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	09 15 000 6124 09 15 000 6123 09 15 000 6125 09 15 000 6122 09 15 000 6121 09 15 000 6126	09 15 000 6224 09 15 000 6223 09 15 000 6225 09 15 000 6222 09 15 000 6221 09 15 000 6226																														
FOC contacts for 1 mm plastic fibre		20 10 001 3213	20 10 001 3222																														

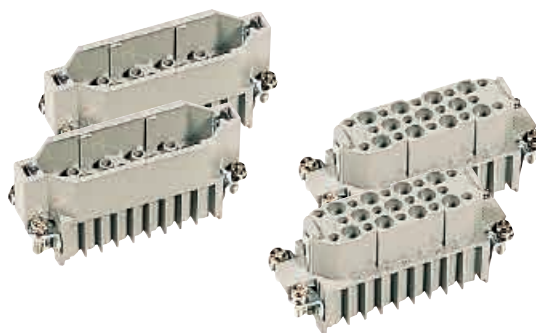
Stock items in bold type

		Part No.		M	Drawing	Dimensions in mm
Identification		Low construction	High construction			
Hoods	Hoods side-entry	19 20 016 1540	19 20 016 0546	20		Han D/DD
				25		
	Hoods top-entry	19 20 016 1440	19 20 016 0446	20		
				25		
	Protection covers for hoods	09 20 016 5423				
Housings	Housings bulkhead mounting	09 20 016 0301		—		
		with thermo-plastic cover 09 20 016 0321		—		
	Housings surface mounting 1 side-entry	19 20 016 0251 ¹⁾		1 x 25		
	2 side-entries	19 20 016 0290 19 20 016 0291		2 x 20 2 x 25		
		with thermo-plastic cover 19 20 016 0295		2 x 20		
	Protection covers for housings	09 20 016 5425				

¹⁾ only metal screwing

Number of contacts

50+

Han
D/DD

Inserts

Part No.

Identification

Series

Male insert (M)

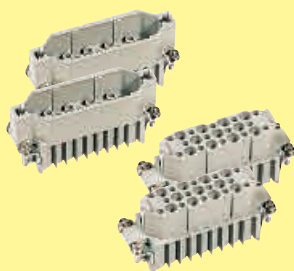
Female insert (F)

Drawing

Dimensions in mm

Crimp terminal

Order crimp contacts separately

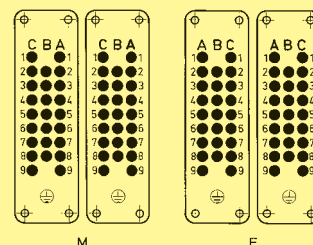


Han D®

1-25
1-25**09 21 025 3001**
09 21 025 3001**09 21 025 3101**
09 21 025 3101

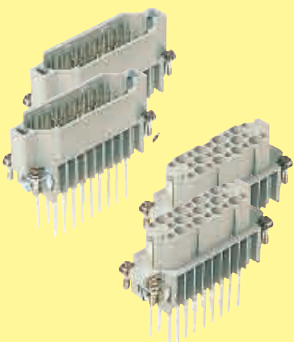
Dimensions for inserts see page 02.18.

Contact arrangement View from termination side

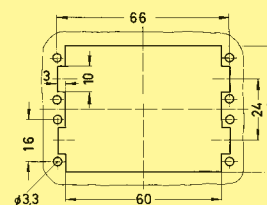


Wrap terminal

1 x 1 mm



Han D®

1-25
1-25**09 21 025 2601**
09 21 025 2601**09 21 025 2701**
09 21 025 2701Panel cut out for inserts
for use without hoods/housings

Wire gauge

Part No.

Identification

(mm²)

Male contacts

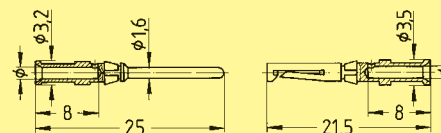
Female contacts

Drawing

Dimensions in mm

Crimp contacts

silver plated

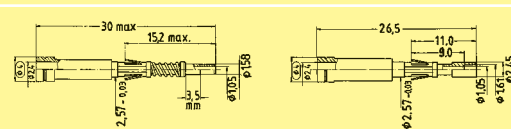
0.14-0.37
0.5
0.75
1.0
1.5
2.5**09 15 000 6104**
09 15 000 6103
09 15 000 6105
09 15 000 6102
09 15 000 6101
09 15 000 6106**09 15 000 6204**
09 15 000 6203
09 15 000 6205
09 15 000 6202
09 15 000 6201
09 15 000 6206

gold plated

0.14-0.37
0.5
0.75
1.0
1.5
2.5**09 15 000 6124**
09 15 000 6123
09 15 000 6125
09 15 000 6122
09 15 000 6121
09 15 000 6126**09 15 000 6224**
09 15 000 6223
09 15 000 6225
09 15 000 6222
09 15 000 6221
09 15 000 6226

Wire gauge		Ø	Stripping length
0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm
0.5 mm²	AWG 20	1.10 mm	8 mm
0.75 mm²	AWG 18	1.30 mm	8 mm
1 mm²	AWG 18	1.45 mm	8 mm
1.5 mm²	AWG 16	1.75 mm	8 mm
2.5 mm²	AWG 14	2.25 mm	6 mm

FOC contacts

for 1 mm
plastic fibre**20 10 001 3213****20 10 001 3222**

Stock items in bold type

Identification		Part No.		M	Drawing	Dimensions in mm
		Low construction	High construction			
Hoods	Hoods side-entry	19 20 032 1521		25		Han D/DD
			19 20 032 0527	32		
	Hoods top-entry		19 20 032 0427	32		
	Protection cover		09 20 032 5401	—		
Housings	Housing bulkhead mounting	09 20 032 0301		—		Panel cut out
	Housings surface mounting		19 20 032 0231	1 x 25		
			19 20 032 0232	1 x 32		Blind way for one cable entry
			19 20 032 0272	2 x 32		
	Protection cover		09 20 032 5405			

Number of contacts

24 +
Han
D/DD

Inserts

Identification		Series	Part No.		Drawing	Dimensions in mm																												
			Male insert (M)	Female insert (F)																														
Crimp terminal Order crimp contacts separately		Han DD®	09 16 024 3001	09 16 024 3101	 Contact arrangement View from termination side Panel cut out for inserts for use without hoods/housings 																													
Identification		Wire gauge (mm²)	Part No.		Drawing	Dimensions in mm																												
			Male contacts	Female contacts																														
Crimp contacts																																		
silver plated		0.14-0.37	09 15 000 6104	09 15 000 6204		<table><tr><th colspan="2">Wire gauge</th><th>ø</th><th>Stripping length</th></tr><tr><td>0.14-0.37 mm²</td><td>AWG 26-22</td><td>0.90 mm</td><td>8 mm</td></tr><tr><td>0.5 mm²</td><td>AWG 20</td><td>1.10 mm</td><td>8 mm</td></tr><tr><td>0.75 mm²</td><td>AWG 18</td><td>1.30 mm</td><td>8 mm</td></tr><tr><td>1 mm²</td><td>AWG 18</td><td>1.45 mm</td><td>8 mm</td></tr><tr><td>1.5 mm²</td><td>AWG 16</td><td>1.75 mm</td><td>8 mm</td></tr><tr><td>2.5 mm²</td><td>AWG 14</td><td>2.25 mm</td><td>6 mm</td></tr></table>	Wire gauge		ø	Stripping length	0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm	0.5 mm²	AWG 20	1.10 mm	8 mm	0.75 mm²	AWG 18	1.30 mm	8 mm	1 mm²	AWG 18	1.45 mm	8 mm	1.5 mm²	AWG 16	1.75 mm	8 mm	2.5 mm²	AWG 14	2.25 mm	6 mm
	Wire gauge		ø	Stripping length																														
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	0.5 mm²	AWG 20	1.10 mm	8 mm																														
	0.75 mm²	AWG 18	1.30 mm	8 mm																														
	1 mm²	AWG 18	1.45 mm	8 mm																														
1.5 mm²	AWG 16	1.75 mm	8 mm																															
2.5 mm²	AWG 14	2.25 mm	6 mm																															
	0.5	09 15 000 6103	09 15 000 6203																															
	0.75	09 15 000 6105	09 15 000 6205																															
	1.0	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		0.14-0.37	09 15 000 6124	09 15 000 6224																														
		0.5	09 15 000 6123	09 15 000 6223																														
		0.75	09 15 000 6125	09 15 000 6225																														
		1.0	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																														
FOC contacts for 1 mm plastic fibre			20 10 001 3211	20 10 001 3221																														

Stock items in bold type

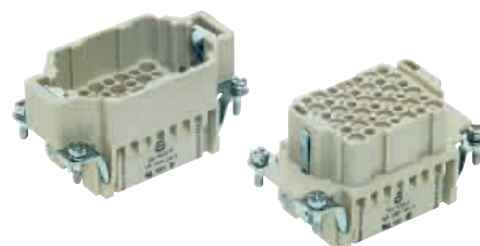
Han
D / DD

		Part No.			Drawing	Dimensions in mm
Identification		Low construction	High construction	M		
Housings bulkhead mounting	 	09 30 006 0301		—	Panel cut out 48 x 35 mm 	
		with thermo-plastic cover 09 30 006 0302		—		
		with metal cover 09 30 006 0318		—		
Housings surface mounting	 	19 30 006 1250		1 x 20	 	
		19 30 006 1290	19 30 006 0291 19 30 006 0292	2 x 20 2 x 25 2 x 32		
		with thermo-plastic cover 19 30 006 1255 19 30 006 1295	with thermo-plastic cover 19 30 006 0296 19 30 006 0297	1 x 20 2 x 20 2 x 25 2 x 32		
		with metal cover 19 30 006 2255 19 30 006 2295	 19 30 006 7296	1 x 20 2 x 20 2 x 25		
Protection covers metal	 	09 30 006 5404				
		09 30 006 5425				

1) Blind way for one cable entry

	a	b	h
Low construction	40	52	51,5
High construction	45	57	74

Number of contacts

42+


Inserts

Han
D/DD

Identification		Series	Part No.		Drawing	Dimensions in mm
			Male insert (M)	Female insert (F)		
Crimp terminal Order crimp contacts separately		Han DD®	09 16 042 3001	09 16 042 3101	1) 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	Part No.		Drawing	Dimensions in mm																												
		(mm²)	Male contacts	Female contacts																														
Crimp contacts																																		
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	09 15 000 6105	09 15 000 6205																														
		1.0	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		0.14-0.37	09 15 000 6124	09 15 000 6224	<table><tr><th colspan="2">Wire gauge</th><th>ø</th><th>Stripping length</th></tr><tr><td>0.14-0.37 mm²</td><td>AWG 26-22</td><td>0.90 mm</td><td>8 mm</td></tr><tr><td>0.5 mm²</td><td>AWG 20</td><td>1.10 mm</td><td>8 mm</td></tr><tr><td>0.75 mm²</td><td>AWG 18</td><td>1.30 mm</td><td>8 mm</td></tr><tr><td>1 mm²</td><td>AWG 18</td><td>1.45 mm</td><td>8 mm</td></tr><tr><td>1.5 mm²</td><td>AWG 16</td><td>1.75 mm</td><td>8 mm</td></tr><tr><td>2.5 mm²</td><td>AWG 14</td><td>2.25 mm</td><td>6 mm</td></tr></table>	Wire gauge		ø	Stripping length	0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm	0.5 mm²	AWG 20	1.10 mm	8 mm	0.75 mm²	AWG 18	1.30 mm	8 mm	1 mm²	AWG 18	1.45 mm	8 mm	1.5 mm²	AWG 16	1.75 mm	8 mm	2.5 mm²	AWG 14	2.25 mm	6 mm	
		Wire gauge		ø		Stripping length																												
		0.14-0.37 mm²	AWG 26-22	0.90 mm		8 mm																												
		0.5 mm²	AWG 20	1.10 mm		8 mm																												
		0.75 mm²	AWG 18	1.30 mm		8 mm																												
		1 mm²	AWG 18	1.45 mm		8 mm																												
1.5 mm²	AWG 16	1.75 mm	8 mm																															
2.5 mm²	AWG 14	2.25 mm	6 mm																															
		0.5	09 15 000 6123	09 15 000 6223																														
		0.75	09 15 000 6125	09 15 000 6225																														
		1.0	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																														
FOC contacts for 1 mm plastic fibre																																		
			20 10 001 3211	20 10 001 3221																														

Stock items in bold type

Stock items in bold type

Identification		Part No.		M	Drawing	Dimensions in mm
		Low construction	High construction			
Hoods	Hoods side-entry	19 30 010 1540 19 30 010 1541	19 30 010 0547	20		
				25		
	Hoods top-entry	19 30 010 1440 19 30 010 1441	19 30 010 0447	32		
				20		
Housings	Housings bulkhead mounting	09 30 010 0305 with thermo-plastic cover 09 30 010 0303 with metal cover 09 30 010 0318		—	Panel cut out 60 x 35 mm 	
				—		
				—		
	Housings surface mounting	1 side-entry 19 30 010 1250 2 side-entries 19 30 010 1290	19 30 010 0291 19 30 010 0292	20		
				20		
		with thermo-plastic cover 19 30 010 1255 with thermo-plastic cover 19 30 010 1295	with thermo-plastic cover 19 30 010 0296 19 30 010 0297	25		
				32		
		with metal cover 19 30 010 2295	19 30 010 7296	20		
				25		
	Hoods cable to cable	19 30 010 1750	19 30 010 0756 19 30 010 0757	20		
				25		
				32		

Han
D/DD

1) Blind way for one cable entry

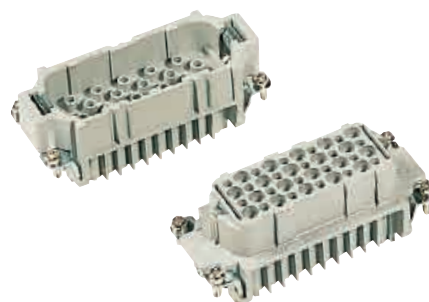
	a	b	h
Low construction	40	52	54
High construction	45	57	81

	h
Low construction	47.5
High construction	74.5

02
27

Stock items in bold type

Number of contacts

40+
Han
D/DD

Inserts

Part No.

Identification

Series

Male insert (M)

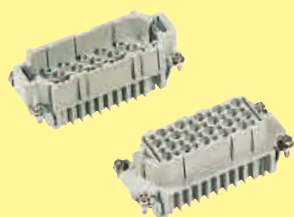
Female insert (F)

Drawing

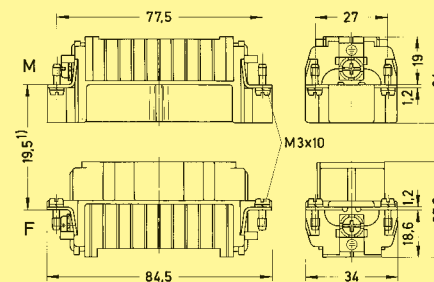
Dimensions in mm

Crimp terminal

Order crimp contacts separately



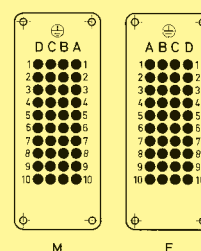
Han D®

09 21 040 3001**09 21 040 3101**

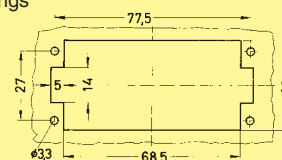
1) Distance for contact max. 21 mm

Contact arrangement

View from termination side

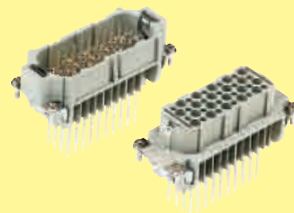


Panel cut out for inserts for use without hoods/housings



Wrap terminal

1 x 1 mm



Han D®

09 21 040 2601**09 21 040 2701**

Identification Wire gauge (mm²)

Part No.

Male contacts

Female contacts

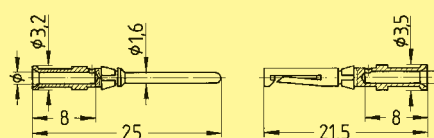
Drawing

Dimensions in mm

Crimp contacts

silver plated


 0.14-0.37
0.5
0.75
1.0
1.5
2.5

09 15 000 6104
09 15 000 6103
09 15 000 6105
09 15 000 6102
09 15 000 6101
09 15 000 6106
09 15 000 6204
09 15 000 6203
09 15 000 6205
09 15 000 6202
09 15 000 6201
09 15 000 6206


gold plated

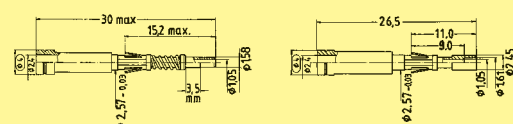

 0.14-0.37
0.5
0.75
1.0
1.5
2.5

09 15 000 6124
09 15 000 6123
09 15 000 6125
09 15 000 6122
09 15 000 6121
09 15 000 6126
09 15 000 6224
09 15 000 6223
09 15 000 6225
09 15 000 6222
09 15 000 6221
09 15 000 6226

Wire gauge		Ø	Stripping length
0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm
0.5 mm²	AWG 20	1.10 mm	8 mm
0.75 mm²	AWG 18	1.30 mm	8 mm
1 mm²	AWG 18	1.45 mm	8 mm
1.5 mm²	AWG 16	1.75 mm	8 mm
2.5 mm²	AWG 14	2.25 mm	6 mm

FOC contacts

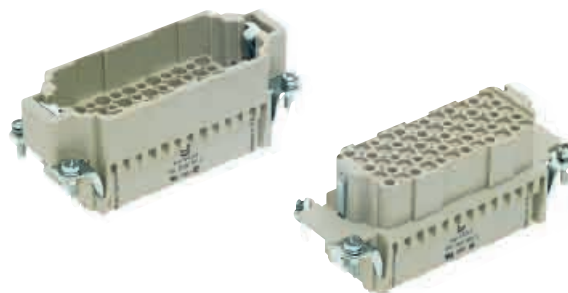
for 1 mm plastic fibre

20 10 001 3212**20 10 001 3222**

Stock items in bold type

Number of contacts

72 +



Inserts

Han
D/DD

Part No.					
Identification	Series	Male insert (M)	Female insert (F)	Drawing	Dimensions in mm
Crimp terminal Order crimp contacts separately	Han DD®	09 16 072 3001	09 16 072 3101	1) Distance for contacts max. 21 mm Contact arrangement View from termination side Panel cut out for inserts for use without hoods/housings	

Part No.																																	
Identification	Wire gauge (mm²)	Male contacts	Female contacts	Drawing	Dimensions in mm																												
Crimp contacts																																	
silver plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	09 15 000 6104 09 15 000 6103 09 15 000 6105 09 15 000 6102 09 15 000 6101 09 15 000 6106	09 15 000 6204 09 15 000 6203 09 15 000 6205 09 15 000 6202 09 15 000 6201 09 15 000 6206																														
gold plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	09 15 000 6124 09 15 000 6123 09 15 000 6125 09 15 000 6122 09 15 000 6121 09 15 000 6126	09 15 000 6224 09 15 000 6223 09 15 000 6225 09 15 000 6222 09 15 000 6221 09 15 000 6226	<table><thead><tr><th colspan="2">Wire gauge</th><th>ø</th><th>Stripping length</th></tr></thead><tbody><tr><td>0.14-0.37 mm²</td><td>AWG 26-22</td><td>0.90 mm</td><td>8 mm</td></tr><tr><td>0.5 mm²</td><td>AWG 20</td><td>1.10 mm</td><td>8 mm</td></tr><tr><td>0.75 mm²</td><td>AWG 18</td><td>1.30 mm</td><td>8 mm</td></tr><tr><td>1 mm²</td><td>AWG 18</td><td>1.45 mm</td><td>8 mm</td></tr><tr><td>1.5 mm²</td><td>AWG 16</td><td>1.75 mm</td><td>8 mm</td></tr><tr><td>2.5 mm²</td><td>AWG 14</td><td>2.25 mm</td><td>6 mm</td></tr></tbody></table>	Wire gauge		ø	Stripping length	0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm	0.5 mm²	AWG 20	1.10 mm	8 mm	0.75 mm²	AWG 18	1.30 mm	8 mm	1 mm²	AWG 18	1.45 mm	8 mm	1.5 mm²	AWG 16	1.75 mm	8 mm	2.5 mm²	AWG 14	2.25 mm	6 mm	
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1.5 mm²	AWG 16	1.75 mm	8 mm																														
2.5 mm²	AWG 14	2.25 mm	6 mm																														
FOC contacts for 1 mm plastic fibre		20 10 001 3211	20 10 001 3221																														

Stock items in bold type

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

Stock items in bold type

Identification		Part No.		M	Drawing	Dimensions in mm
		Low construction	High construction			
Hoods	Hoods side-entry	19 30 016 1541 19 30 016 1542	19 30 016 0547 19 30 016 0548	25 32		
	Hoods top-entry	19 30 016 1441 19 30 016 1442	19 30 016 0447 19 30 016 0448	25 32		
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	1 side-entry 19 30 016 1251	19 30 016 0252	25 32		
		2 side-entries 19 30 016 1291	19 30 016 0291 19 30 016 0292	25 32		
		1 side-entry 19 30 016 1256	with thermo-plastic cover 19 30 016 0297	25 32		
		2 side-entries 19 30 016 1296	with thermo-plastic cover 19 30 016 0297	25 32		
		2 side-entries 19 30 016 2296	19 30 016 7297	25 32		
	Hoods cable to cable	19 30 016 1751	19 30 016 0757	25 32		

$64 + \text{Ⓢ}$ 

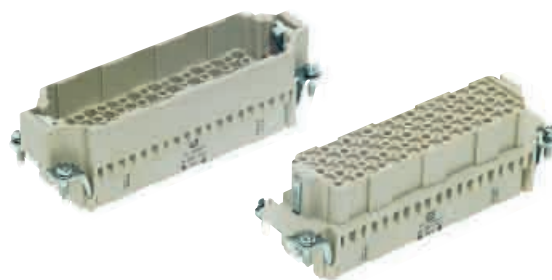
Inserts

02
32

Stock items in bold type

Number of contacts

108 +



Inserts

Han
D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
Crimp terminal Order crimp contacts separately	Han DD®	09 16 108 3001	09 16 108 3101	1) Distance for contact max. 21 mm Contact arrangement View from termination side Panel cut out for inserts for use without hoods/housings	

Wire gauge		Part No.		Drawing	Dimensions in mm																												
Identification	(mm²)	Male contacts	Female contacts																														
Crimp contacts																																	
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	09 15 000 6105	09 15 000 6205																														
	1.0	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	0.14-0.37	09 15 000 6124	09 15 000 6224	<table><thead><tr><th colspan="2">Wire gauge</th><th>ø</th><th>Stripping length</th></tr></thead><tbody><tr><td>0.14-0.37 mm²</td><td>AWG 26-22</td><td>0.90 mm</td><td>8 mm</td></tr><tr><td>0.5 mm²</td><td>AWG 20</td><td>1.10 mm</td><td>8 mm</td></tr><tr><td>0.75 mm²</td><td>AWG 18</td><td>1.30 mm</td><td>8 mm</td></tr><tr><td>1 mm²</td><td>AWG 18</td><td>1.45 mm</td><td>8 mm</td></tr><tr><td>1.5 mm²</td><td>AWG 16</td><td>1.75 mm</td><td>8 mm</td></tr><tr><td>2.5 mm²</td><td>AWG 14</td><td>2.25 mm</td><td>6 mm</td></tr></tbody></table>	Wire gauge		ø	Stripping length	0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm	0.5 mm²	AWG 20	1.10 mm	8 mm	0.75 mm²	AWG 18	1.30 mm	8 mm	1 mm²	AWG 18	1.45 mm	8 mm	1.5 mm²	AWG 16	1.75 mm	8 mm	2.5 mm²	AWG 14	2.25 mm	6 mm	
	Wire gauge		ø		Stripping length																												
	0.14-0.37 mm²	AWG 26-22	0.90 mm		8 mm																												
	0.5 mm²	AWG 20	1.10 mm		8 mm																												
	0.75 mm²	AWG 18	1.30 mm		8 mm																												
	1 mm²	AWG 18	1.45 mm		8 mm																												
1.5 mm²	AWG 16	1.75 mm	8 mm																														
2.5 mm²	AWG 14	2.25 mm	6 mm																														
0.5	09 15 000 6123	09 15 000 6223																															
0.75	09 15 000 6125	09 15 000 6225																															
1.0	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																															
FOC contacts																																	
for 1 mm plastic fibre		20 10 001 3211	20 10 001 3221																														

Stock items in bold type

Part No.

Identification

Low construction

High construction

M

Drawing

Dimensions in mm

Hoods

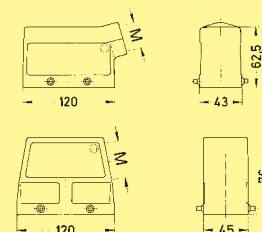
Hoods
side-entry

19 30 024 1521
19 30 024 1522

19 30 024 0527
19 30 024 0528

25
32

32
40

Hoods
top-entry

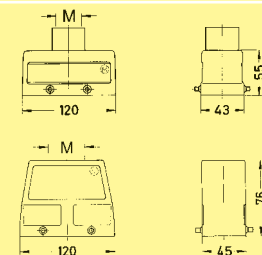
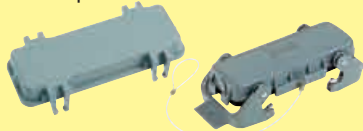
19 30 024 1422

19 30 024 0427

19 30 024 0428

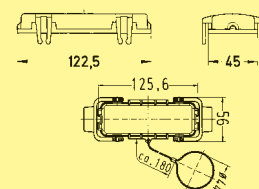
32

40

Protection covers for hoods
thermoplastic/metal

09 30 024 5401

09 30 024 5422



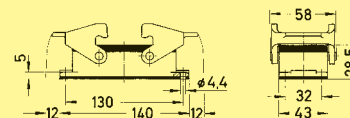
Housings

Housing bulkhead mounting



09 30 024 0301

Panel cut out 108 x 35 mm

Housings
surface
mounting

1 side-entry

19 30 024 1231

19 30 024 0232

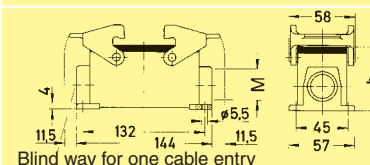
2 side-entries

19 30 024 1271

19 30 024 0272
19 30 024 0273

25
32

25
32
40



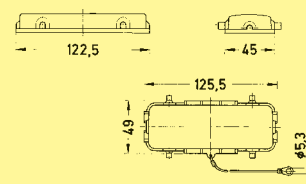
Blind way for one cable entry

	h
Low construction	56
High construction	81

Protection covers
for housings bulkhead/surface mounting
thermoplastic/metal

09 30 024 5405

09 30 024 5425



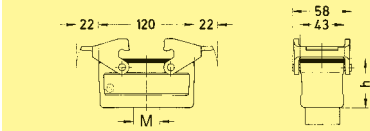
Hoods cable to cable



19 30 024 1732

19 30 024 0737
19 30 024 0738

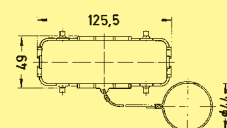
32
40



	h
Low construction	57.5
High construction	78.5

Protection cover
for hoods cable to cable
metal

09 30 024 5426

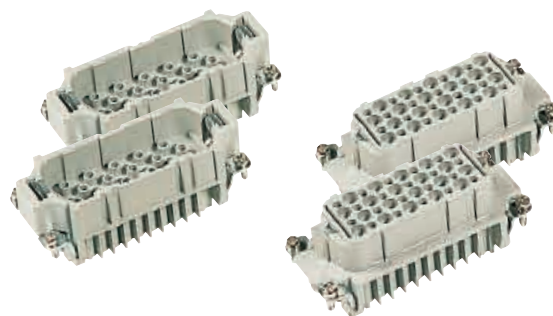


Stock items in bold type

Identification		Part No.		M	Drawing	Dimensions in mm
		Low construction	High construction			
Hoods	Hoods side-entry	19 30 024 1541 19 30 024 1542	19 30 024 0547 19 30 024 0548	25 32 32 40		
	Hoods top-entry	19 30 024 1442	19 30 024 0447 19 30 024 0448	32 40		
Housings	Housings bulkhead mounting	09 30 024 0307 with thermo- plastic cover 09 30 024 0304 with metal cover 09 30 024 0318		— — —		
	Housings 1 side-entry	19 30 024 1251		25		
	2 side-entries	19 30 024 1291	19 30 024 0292	25 32		
	1 side-entry	with thermoplastic cover 19 30 024 1256		25		
	2 side-entries	with thermoplastic cover 19 30 024 1296	with thermoplastic cover 19 30 024 0297	25 32		
	2 side-entries	with metal cover 19 30 024 2296	19 30 024 7297	25 32		
	Hoods cable to cable	19 30 024 1752	19 30 024 0757	32		

Number of contacts

80+

Han
D/DD

Inserts

Part No.

Identification

Series

Male insert (M)

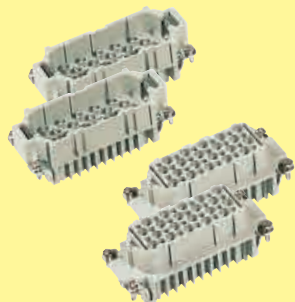
Female insert (F)

Drawing

Dimensions in mm

Crimp terminal

Order crimp contacts separately

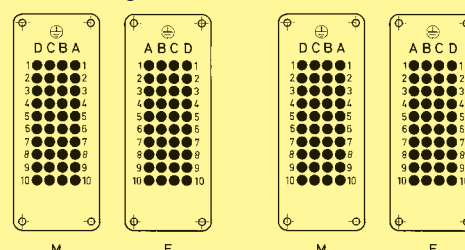


Han D®

1-40
1-40**09 21 040 3001**
09 21 040 3001**09 21 040 3101**
09 21 040 3101

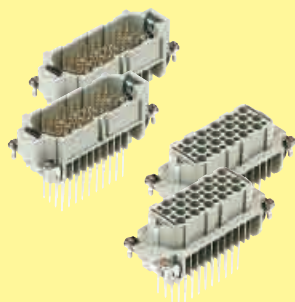
Dimensions for inserts see page 02.28.

Contact arrangement View from termination side

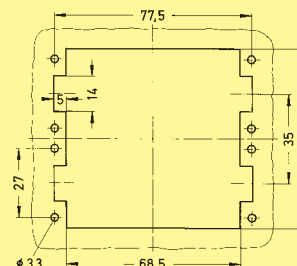


Wrap terminal

1 x 1 mm



Han D®

1-40
1-40**09 21 040 2601**
09 21 040 2601**09 21 040 2701**
09 21 040 2701Panel cut out for inserts
for use without hoods/housings

Wire gauge

Part No.

Identification

(mm²)

Male contacts

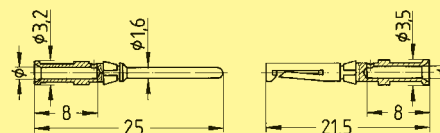
Female contacts

Drawing

Dimensions in mm

Crimp contacts

silver plated

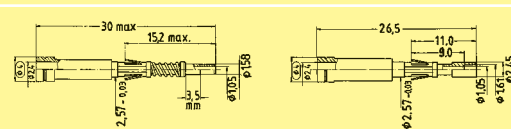
0.14-0.37
0.5
0.75
1.0
1.5
2.5**09 15 000 6104**
09 15 000 6103
09 15 000 6105
09 15 000 6102
09 15 000 6101
09 15 000 6106**09 15 000 6204**
09 15 000 6203
09 15 000 6205
09 15 000 6202
09 15 000 6201
09 15 000 6206

gold plated

0.14-0.37
0.5
0.75
1.0
1.5
2.5**09 15 000 6124**
09 15 000 6123
09 15 000 6125
09 15 000 6122
09 15 000 6121
09 15 000 6126**09 15 000 6224**
09 15 000 6223
09 15 000 6225
09 15 000 6222
09 15 000 6221
09 15 000 6226

Wire gauge		Ø	Stripping length
0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm
0.5 mm²	AWG 20	1.10 mm	8 mm
0.75 mm²	AWG 18	1.30 mm	8 mm
1 mm²	AWG 18	1.45 mm	8 mm
1.5 mm²	AWG 16	1.75 mm	8 mm
2.5 mm²	AWG 14	2.25 mm	6 mm

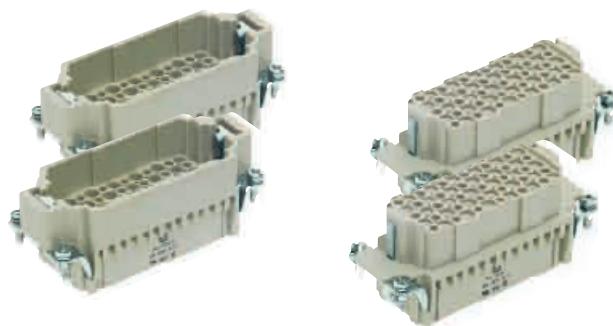
FOC contacts

for 1 mm
plastic fibre**20 10 001 3212****20 10 001 3222**

Stock items in bold type

Number of contacts

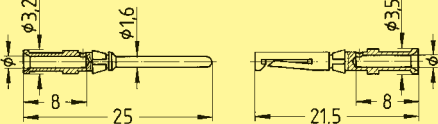
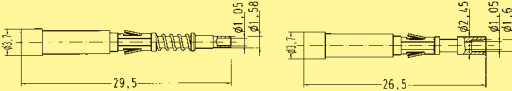
144 +



Inserts

Han
D/DD

Identification	Series	Male insert (M)	Female insert (F)	Part No.	Drawing	Dimensions in mm
Crimp terminal Order crimp contacts separately	Han DD®				Dimensions for inserts see page 02.29.	
	1- 72 73-144	09 16 072 3001 09 16 072 3011	09 16 072 3101 09 16 072 3111		Contact arrangement View from termination side Panel cut out for inserts for use without hoods/housings	

Identification	Wire gauge (mm ²)	Male contacts	Female contacts	Part No.	Drawing	Dimensions in mm																												
Crimp contacts																																		
silver plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	09 15 000 6104 09 15 000 6103 09 15 000 6105 09 15 000 6102 09 15 000 6101 09 15 000 6106	09 15 000 6204 09 15 000 6203 09 15 000 6205 09 15 000 6202 09 15 000 6201 09 15 000 6206																															
gold plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	09 15 000 6124 09 15 000 6123 09 15 000 6125 09 15 000 6122 09 15 000 6121 09 15 000 6126	09 15 000 6224 09 15 000 6223 09 15 000 6225 09 15 000 6222 09 15 000 6221 09 15 000 6226		<table><thead><tr><th colspan="2">Wire gauge</th><th>ø</th><th>Stripping length</th></tr></thead><tbody><tr><td>0.14-0.37 mm²</td><td>AWG 26-22</td><td>0.90 mm</td><td>8 mm</td></tr><tr><td>0.5 mm²</td><td>AWG 20</td><td>1.10 mm</td><td>8 mm</td></tr><tr><td>0.75 mm²</td><td>AWG 18</td><td>1.30 mm</td><td>8 mm</td></tr><tr><td>1 mm²</td><td>AWG 18</td><td>1.45 mm</td><td>8 mm</td></tr><tr><td>1.5 mm²</td><td>AWG 16</td><td>1.75 mm</td><td>8 mm</td></tr><tr><td>2.5 mm²</td><td>AWG 14</td><td>2.25 mm</td><td>6 mm</td></tr></tbody></table>	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 mm ²	AWG 18	1.30 mm	8 mm	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	
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 mm ²	AWG 18	1.30 mm	8 mm																															
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																															
FOC contacts for 1 mm plastic fibre		20 10 001 3211	20 10 001 3221																															

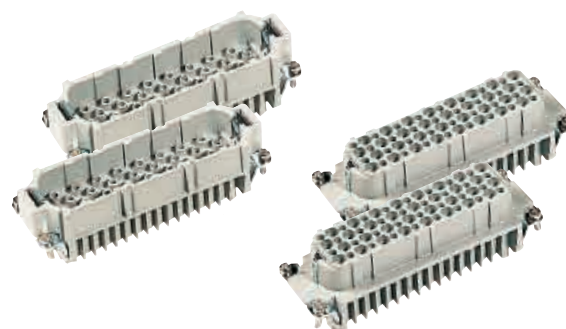
Stock items in bold type

Identification		Part No.	M	Drawing	Dimensions in mm
Hoods	Hoods side-entry	19 30 032 0527 19 30 032 0528 19 30 032 0529	32 40 50		
	Hoods top-entry	19 30 032 0427 19 30 032 0428 19 30 032 0429	32 40 50		
	Protection cover for hoods	09 30 032 5420	—		
Housings	Housing bulkhead mounting	09 30 032 0301	—		Panel cut out
	Housings surface mounting	19 30 032 0232 19 30 032 0272 19 30 032 0273	1 x 32 2 x 32 2 x 40		Blind way for one cable entry
	Hoods cable to cable	19 30 032 0738	2 x 40		
	Protection covers for housings	09 30 032 5425	—		

Stock items in bold type

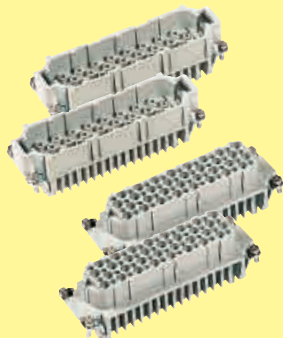
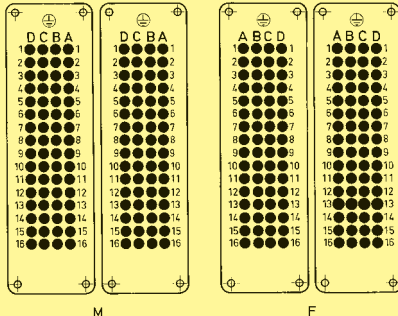
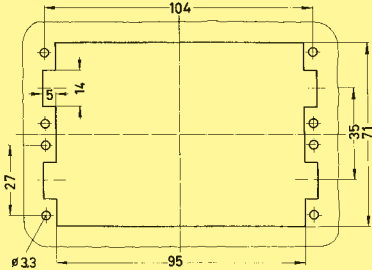
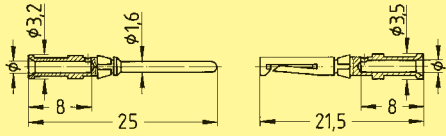
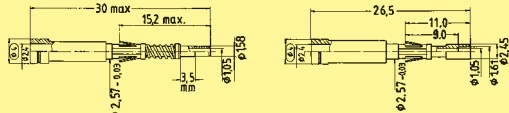
Number of contacts

128 +



Inserts

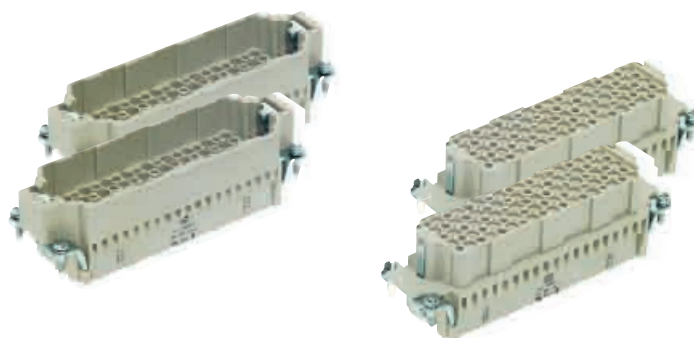
Han
D/DD

Identification		Part No.		Drawing	Dimensions in mm
Series		Male insert (M)	Female insert (F)		
Crimp terminal Order crimp contacts separately 	Han D®			Dimensions for inserts see page 02.32. Contact arrangement View from termination side 	
	1-64 1-64	09 21 064 3001 09 21 064 3001	09 21 064 3101 09 21 064 3101		
Wrap terminal 1 x 1 mm 	Han D®			Panel cut out for inserts for use without hoods/housings 	
	1-64 1-64	09 21 064 2601 09 21 064 2601	09 21 064 2701 09 21 064 2701		
Identification		Part No.		Drawing	Dimensions in mm
Wire gauge (mm²)		Male contacts	Female contacts		
Crimp contacts silver plated  gold plated 	0.14-0.37 0.5 0.75 1.0 1.5 2.5	09 15 000 6104 09 15 000 6103 09 15 000 6105 09 15 000 6102 09 15 000 6101 09 15 000 6106	09 15 000 6204 09 15 000 6203 09 15 000 6205 09 15 000 6202 09 15 000 6201 09 15 000 6206		
	0.14-0.37 0.5 0.75 1.0 1.5 2.5	09 15 000 6124 09 15 000 6123 09 15 000 6125 09 15 000 6122 09 15 000 6121 09 15 000 6126	09 15 000 6224 09 15 000 6223 09 15 000 6225 09 15 000 6222 09 15 000 6221 09 15 000 6226		
FOC contacts for 1 mm plastic fibre					
		20 10 001 3212	20 10 001 3222		

Stock items in bold type

Number of contacts

216+



Inserts

Part No.

Identification

Series

Male insert (M)

Female insert (F)

Drawing

Dimensions in mm

Crimp terminal

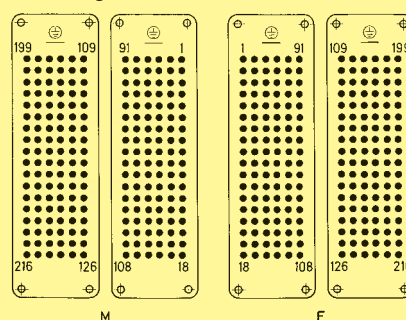
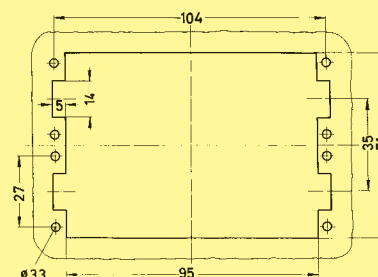
Order crimp contacts separately

Han DD®

1-108
109-216**09 16 108 3001**
09 16 108 3011**09 16 108 3101**
09 16 108 3111

Dimensions for inserts see page 02.33.

Contact arrangement View from termination side

Panel cut out for inserts
for use without hoods/housingsWire gauge
(mm²)

Part No.

Identification

Male contacts

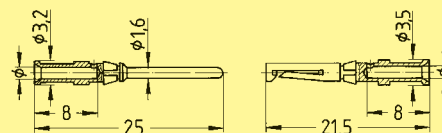
Female contacts

Drawing

Dimensions in mm

Crimp contacts

silver plated

0.14-0.37
0.5
0.75
1.0
1.5
2.5**09 15 000 6104**
09 15 000 6103
09 15 000 6105
09 15 000 6102
09 15 000 6101
09 15 000 6106**09 15 000 6204**
09 15 000 6203
09 15 000 6205
09 15 000 6202
09 15 000 6201
09 15 000 6206

gold plated

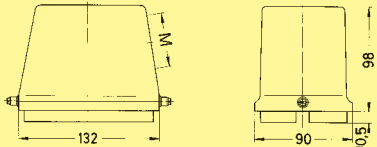
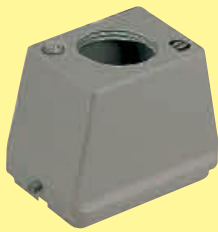
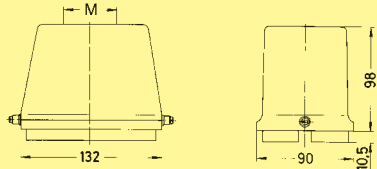
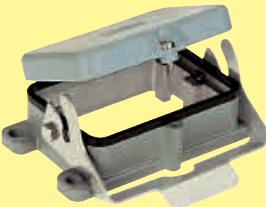
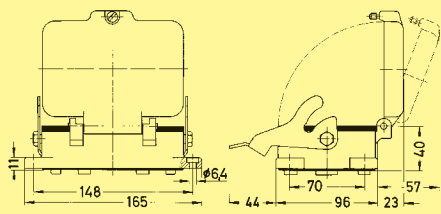
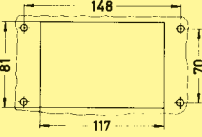
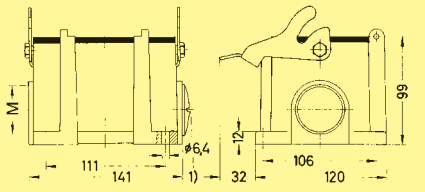
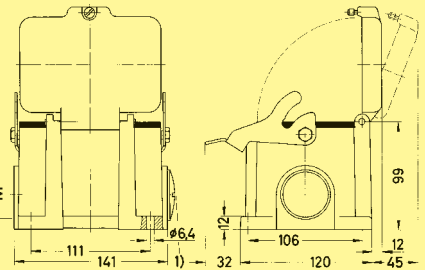
0.14-0.37
0.5
0.75
1.0
1.5
2.5**09 15 000 6124**
09 15 000 6123
09 15 000 6125
09 15 000 6122
09 15 000 6121
09 15 000 6126**09 15 000 6224**
09 15 000 6223
09 15 000 6225
09 15 000 6222
09 15 000 6221
09 15 000 6226

Wire gauge		Ø	Stripping length
0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm
0.5 mm²	AWG 20	1.10 mm	8 mm
0.75 mm²	AWG 18	1.30 mm	8 mm
1 mm²	AWG 18	1.45 mm	8 mm
1.5 mm²	AWG 16	1.75 mm	8 mm
2.5 mm²	AWG 14	2.25 mm	6 mm

FOC contacts

for 1 mm
plastic
fibre**20 10 001 3211****20 10 001 3221**

Stock items in bold type

Identification	Part No.	M	Drawing	Dimensions in mm
Hoods	Hoods side-entry			
		19 30 048 0548 19 30 048 0549	40 50	
Hoods	Hoods top-entry			
		19 30 048 0448 19 30 048 0449	40 50	
Housings	Housings bulkhead mounting			
		with thermo- plastic cover 09 30 048 0301	—	
		with metal cover 09 30 048 0317	—	Panel cut out 
	Housings surface mounting			
Housings		19 30 048 0292 19 30 048 0293	2 x 32 2 x 40	
		with thermo- plastic cover 19 30 048 0298	2 x 40	

1) Blind grommet

Stock items in bold type

Han
D/DD

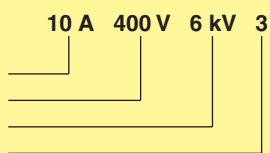
Modified contact arrangement

The connector series Han DD® and Han D® equipped with all contacts may be used for voltages up to 250 V, pollution degree 3. A modified contact loading arrangement permits use up to 500 V also in the same pollution degree.

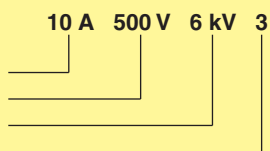
According to DIN EN 61984 connectors should not be coupled or decoupled under electrical load.

Series Han DD®

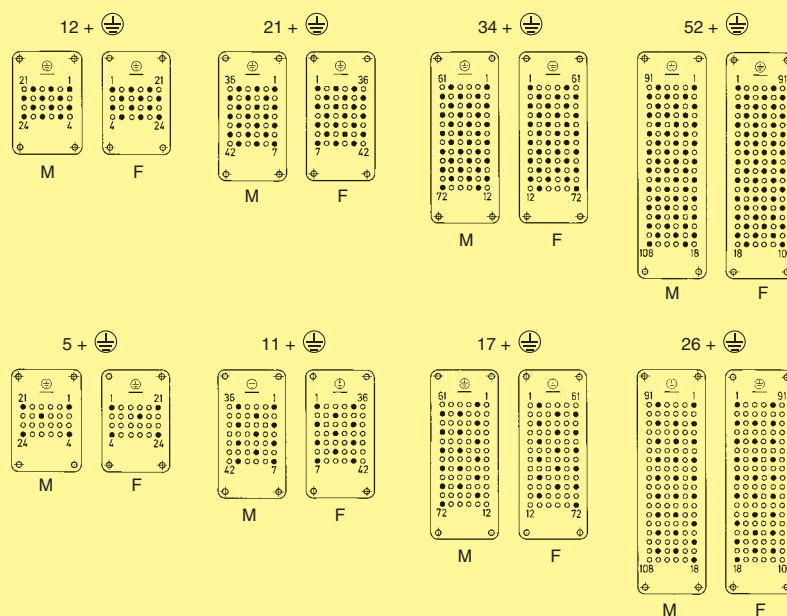
Working current
Working voltage
Impulse rated voltage
Pollution degree



Working current
Working voltage
Impulse rated voltage
Pollution degree



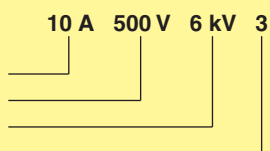
Contact arrangement View from termination side



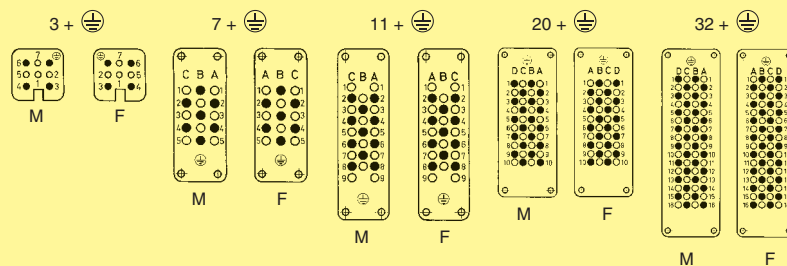
● Working contact ○ Without contact M – Male insert F – Female insert

Series Han D®

Working current
Working voltage
Impulse rated voltage
Pollution degree



Contact arrangement View from termination side



● Working contact ○ Without contact M – Male insert F – Female insert



Han
D / DD

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ABOX for the MOVIFIT®-System for decentralized installation of drives
SEW-EURODRIVE GmbH & Co. KG, Bruchsal, Germany