

Han D[®] · Han[®] DD

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

Inserts

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)	10 A max.
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	≥ 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
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)

Hoods/Housings

Material	die cast aluminium
Han 7 D	thermoplastic resin
Flammability acc. to UL 94	V 0
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

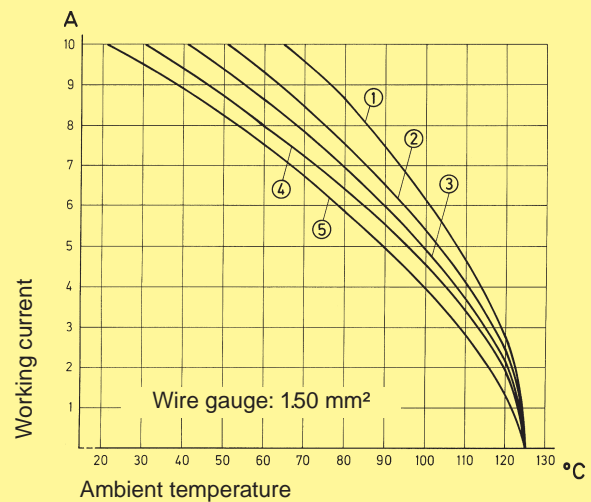
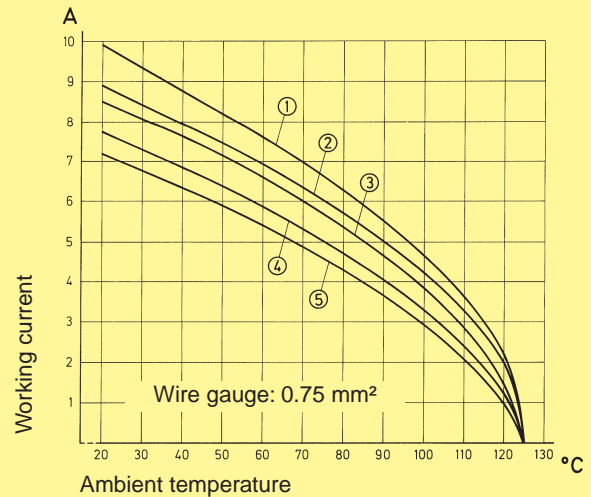
Crimping tools	chapter 12
Cable clamps	chapter 40
Coding of hoods/housings	chapter 40
Label acc. to CSA-approval	chapter 40
Han-Snap	chapter 11
Test connector	chapter 20

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 60 512-3.



- 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
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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	≥ 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	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 connectors	IP 65
Further selection of hoods/housings	chapter 30

Accessories

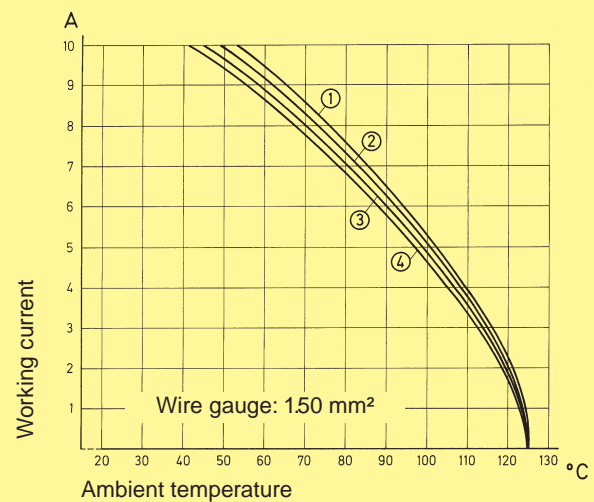
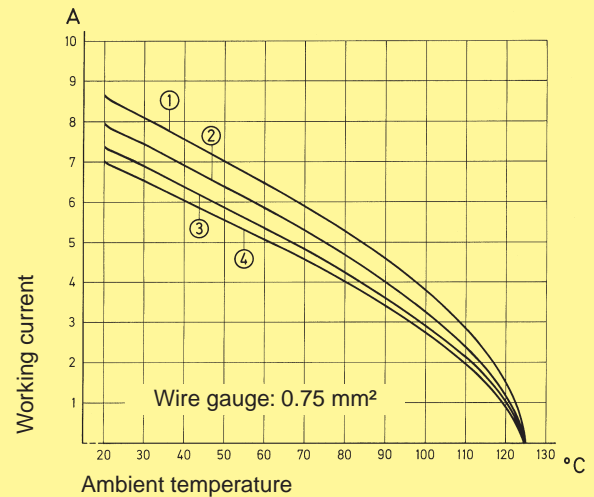
Crimping tools	chapter 12
Cable clamps	chapter 40
Coding of hoods/housings	chapter 40
Label acc. to CSA-approval	chapter 40
Han-Snap	chapter 11
Test connector	chapter 20
PC-Board adapter	chapter 20

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 60 512-3.



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

Number of contacts

7 +



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 D

09 21 007 3031¹⁾

09 21 007 3131¹⁾

Dimensions in mm

Contact arrangement
View from termination side

¹⁾ Attention
Only for thermoplastic hoods/housings

Coding system with loss of contact

09 33 000 9915

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.

Identification	Wire gauge (mm ²)	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
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

Wire gauge		∅	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

Stock items in bold type

Identification		Part No.	Pg	Drawing	Dimensions in mm
Hoods	Hoods side-entry	grey 09 20 003 0620 black 09 20 003 0627	11 11		
	Hoods top-entry	grey 09 20 003 0420 black 09 20 003 0427	11 11		
	Protection covers for hoods	09 20 003 5442¹⁾ 09 20 003 5441²⁾			
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 09 20 003 0220 black 09 20 003 0227	11 11		
	Housings screw mounting	grey 09 20 003 0120 black 09 20 003 0127	13.5 13.5		
	Hoods cable to cable	grey 09 20 003 0720 black 09 20 003 0727	11 11		
	Protection covers for housings	A 09 20 003 5407¹⁾³⁾ 09 20 003 5408²⁾³⁾ B 09 20 003 5446¹⁾ 09 20 003 5445²⁾ C 09 20 003 5448¹⁾			
	for hoods cable to cable	C 09 20 003 5448¹⁾			

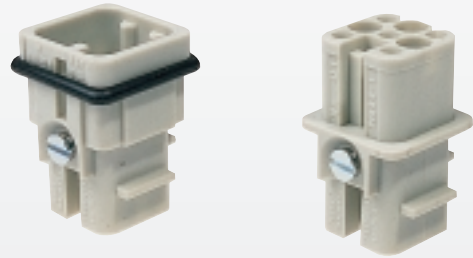
Han
D/DD

¹⁾ for mounted male insert
²⁾ for mounted female insert
³⁾ for metal housings and cable to cable hoods also

Stock items in bold type

Number of contacts

8



Inserts

Han
D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		

Crimp terminal

Order Crimp contacts separately

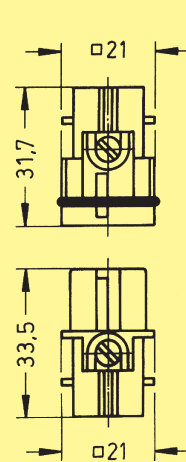
Han D

09 36 008 3001

09 36 008 3101

M

F



Contact arrangement
View from termination side

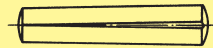


For thermoplastic and metal hoods/housings

Coding system with loss of contact

09 33 000 9915

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.



Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

Crimp contacts

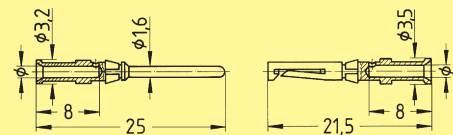
silver plated



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




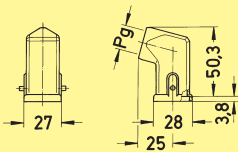

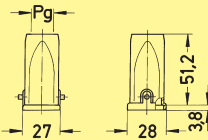
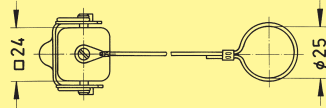

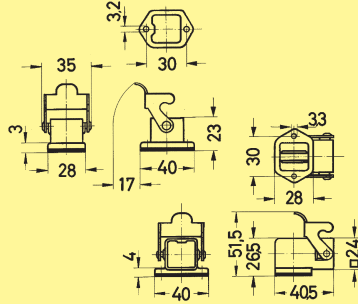


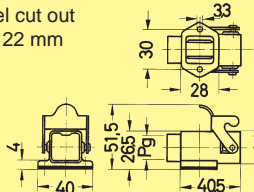

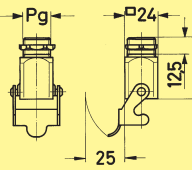

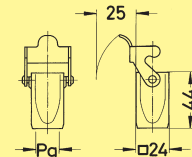
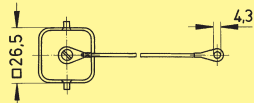
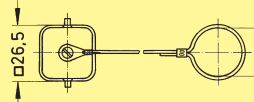
0.14-0.37
0.5
0.75
1.0
1.5
2.5

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		∅	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

Stock items in bold type

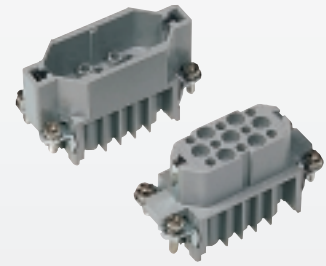
Identification		Standard	Part No.		Pg	Drawing	Dimensions in mm
			Han M	Han U			
Hoods	Hoods side-entry 	09 20 003 1640	09 37 003 1640	09 36 003 1640	11		
	Hoods top-entry 	09 20 003 1440	09 37 003 1440	09 36 003 1440	11		
	Protection covers for hoods	09 20 003 5422¹⁾ 09 20 003 5421²⁾	09 37 003 5402 ¹⁾ 09 37 003 5401 ²⁾	09 36 003 5402 ¹⁾ 09 36 003 5401 ²⁾			
Housings	Housings bulkhead mounting 	09 20 003 0301	09 37 003 0301	09 36 003 0301	—	Panel cut out 22 x 22 mm 	
		09 20 003 0801	09 37 003 0801	09 36 003 0801	—		
	Housings surface mounting 1 side-entry 	09 20 003 1250	09 37 003 1250	09 36 003 1250	11	Panel cut out 22 x 22 mm 	
	bottom closed	09 20 003 1252					
	Housings screw mounting 	09 20 003 0102		09 36 003 0102	13,5		
	Hoods cable to cable 	09 20 003 1750	09 37 003 1750	09 36 003 1750	11		
Protection covers for housings	09 20 003 5426¹⁾ 09 20 003 5425²⁾	09 37 003 5406 ¹⁾ 09 37 003 5405 ²⁾	09 36 003 5406 ¹⁾ 09 36 003 5405 ²⁾				
for hoods cable to cable	09 20 003 5428 ¹⁾ 09 20 003 5427 ²⁾	09 37 003 5408 ¹⁾ 09 37 003 5407 ²⁾	09 36 003 5408 ¹⁾ 09 36 003 5407 ²⁾				

Han D/DD

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

Number of contacts

15+



Inserts

Han D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		

Crimp terminal

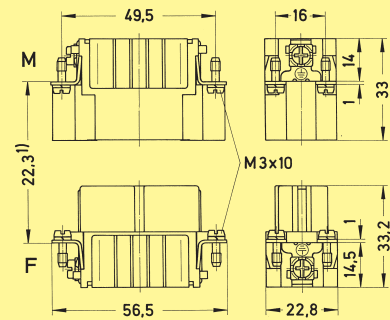
Order crimp contacts separately



Han D

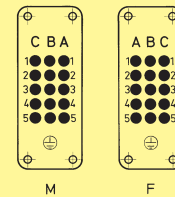
09 21 015 3001

09 21 015 3101



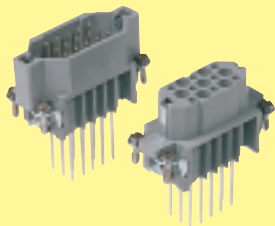
1) Distance for contact max. 24 mm

Contact arrangement View from termination side



Wrap terminal

1 x 1 mm

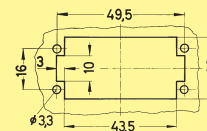


Han D

09 21 015 2601

09 21 015 2701

Panel cut out for inserts for use without hoods/housings



Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

Crimp contacts

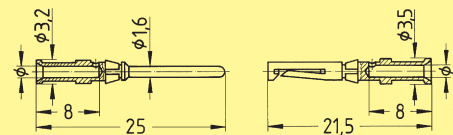
silver plated



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		∅	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

Stock items in bold type

Identification	Part No.		Pg	Drawing	Dimensions in mm	
	Low construction	High construction				
Hoods	Hoods side-entry 	09 20 010 1541	16			
		09 20 010 0540 09 20 010 0541	16 21			
	Hoods top-entry 	09 20 010 1440	13.5			
		09 20 010 0440 09 20 010 0441	16 21			
Protection covers for hoods 	09 20 010 5423					
Housings	Housings bulkhead mounting 	09 20 010 0301	—			
		with thermo-plastic cover 09 20 010 0321¹⁾	—			
	Housings surface mounting 	09 20 010 0251 09 20 010 0252 with thermo-plastic cover 09 20 010 0221¹⁾ 09 20 010 0222¹⁾	1 side-entry	16 21		
		09 20 010 0291 with thermo-plastic cover 09 20 010 0296¹⁾	2 side-entries	16 16		
Protection covers for housings 	09 20 010 5425					

Han
D/DD

¹⁾ for female insert

Number of contacts

25+



Inserts

Han D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		

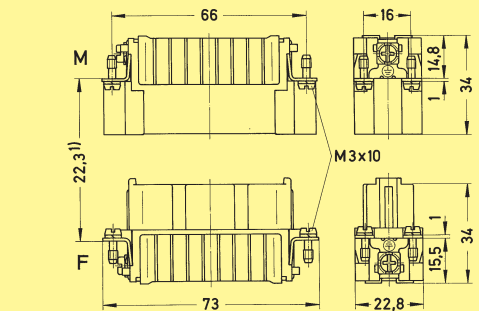
Crimp terminal

Order crimp contacts separately



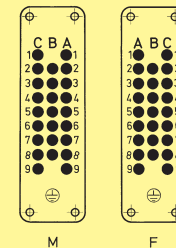
Han D

		09 21 025 3001	09 21 025 3101

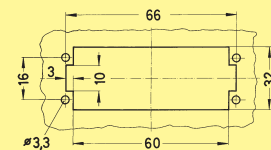


1) Distance for contact max. 24 mm

Contact arrangement View from termination side

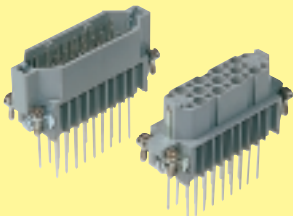


Panel cut out for inserts for use without hoods/housings



Wrap terminal

1 x 1 mm



Han D

		09 21 025 2601	09 21 025 2701

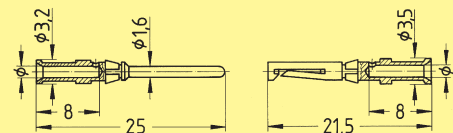
Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

Crimp contacts

silver plated



0.14-0.37	09 15 000 6104	09 15 000 6204
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




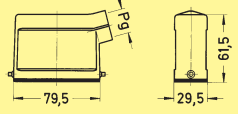
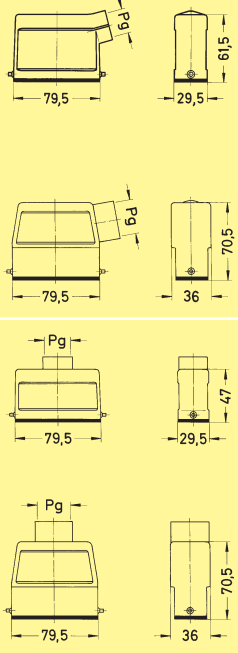
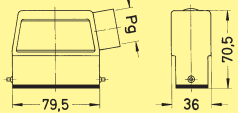

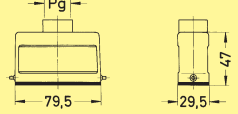
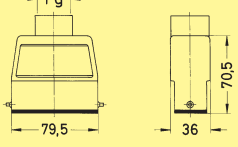

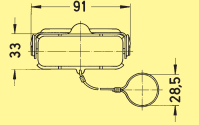

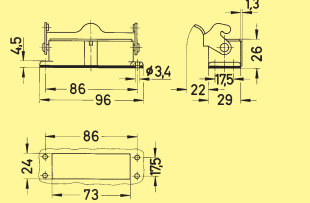
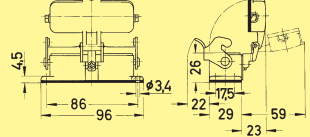

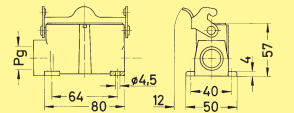
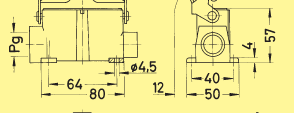
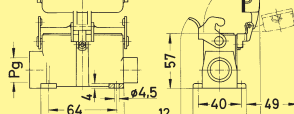

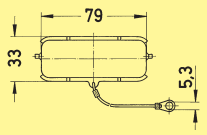
gold plated



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

Wire gauge		∅	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

Stock items in bold type

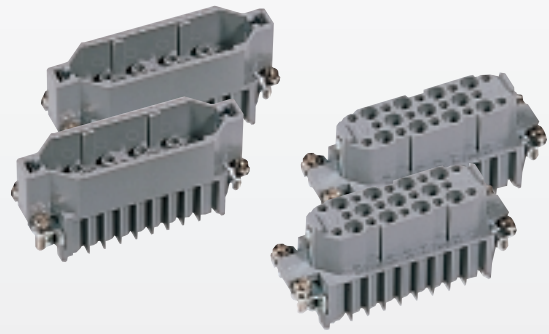
Identification	Part No.		Pg	Drawing	Dimensions in mm	
	Low construction	High construction				
Hoods	Hoods side-entry 	09 20 016 1541	16			
		09 20 016 0540 09 20 016 0541	16 21			
	Hoods top-entry 	09 20 016 1441	16			
		09 20 016 0440 09 20 016 0441	16 21			
	Protection covers for hoods 	09 20 016 5423				
	Housings	Housings bulkhead mounting 	09 20 016 0301	—		
with thermo-plastic cover 09 20 016 0321¹⁾			—			
Housings surface mounting 		09 20 016 0251 09 20 016 0252 1 side-entry	16 21			
		with thermo-plastic cover 09 20 016 0221¹⁾ 09 20 016 0222¹⁾	16 21			
		09 20 016 0291 2 side-entries with thermo-plastic cover 09 20 016 0296¹⁾	16 16			
Protection covers for housings 		09 20 016 5425				

Han
D/DD

¹⁾ for female insert

Number of contacts

50+



Inserts

Han D / DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		

Crimp terminal

Order crimp contacts separately



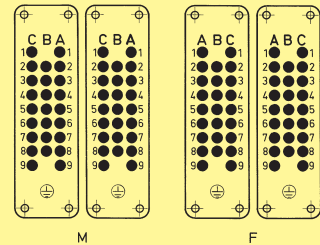
Han D
1-25
1-25

09 21 025 3001
09 21 025 3001

09 21 025 3101
09 21 025 3101

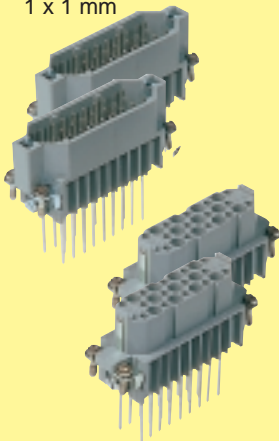
Dimensions for inserts see page 02.18.

Contact arrangement View from termination side



Wrap terminal

1 x 1 mm

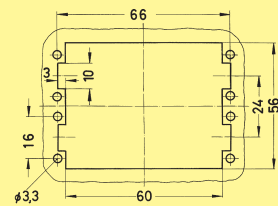


Han D
1-25
1-25

09 21 025 2601
09 21 025 2601

09 21 025 2701
09 21 025 2701

Panel cut out for inserts for use without hoods/housings



Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

Crimp contacts

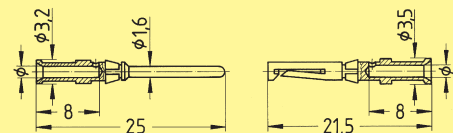
silver plated



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




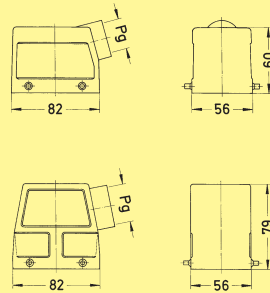

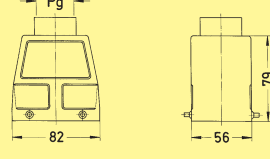

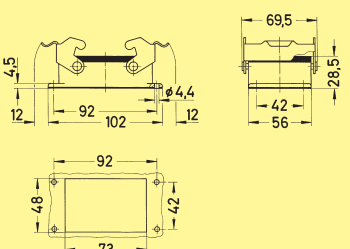

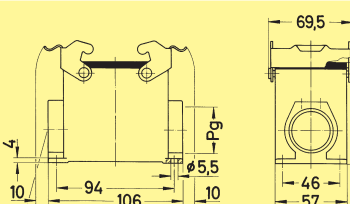

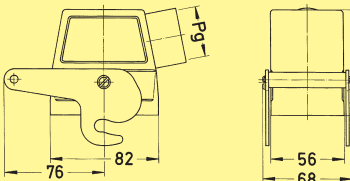

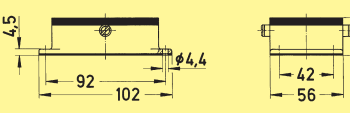
0.14-0.37
0.5
0.75
1.0
1.5
2.5

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		∅	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

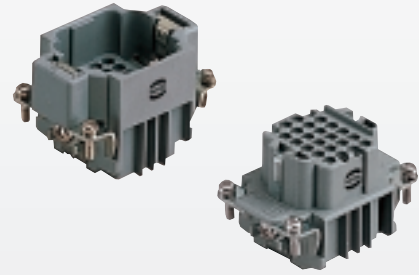
Stock items in bold type

Identification	Part No.		Pg	Drawing	Dimensions in mm
	Low construction	High construction			
Hoods	Hoods side-entry 	09 20 032 1520	21		
		09 20 032 0520 09 20 032 0521	21 29		
	Hoods top-entry 	09 20 032 0420 09 20 032 0421	21 29		
Housings	Housing bulkhead mounting 	09 20 032 0301	—		Panel cut out
	Housings surface mounting 	09 20 032 0230 09 20 032 0231	21 29		Blind way for one cable entry
			09 20 032 0270 09 20 032 0271		
Hood with central locking lever side-entry 	09 20 032 0581	29			
Housing for central locking bulkhead mounting 	09 20 032 0381	—			

Han
D/DD

Number of contacts

24+



Inserts

Han
D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<p>Crimp terminal</p> <p>Order crimp contacts separately</p>	Han DD	09 16 024 3001	09 16 024 3101	<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>	


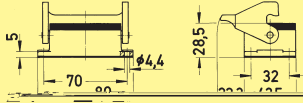
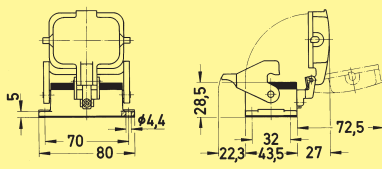

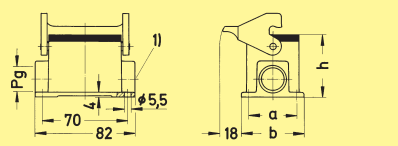
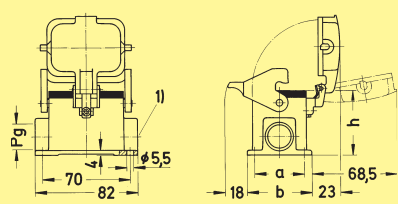

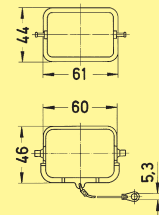

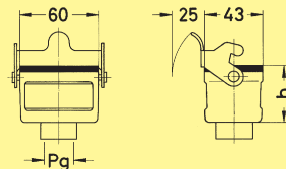

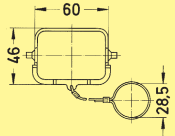
Identification	Wire gauge (mm²)	Part No.		Drawing	Dimensions in mm																												
		Male contacts	Female contacts																														
<p>Crimp contacts</p> <p>silver plated </p>	0.14-0.37	09 15 000 6104	09 15 000 6204																														
	0.5	09 15 000 6103	09 15 000 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																														
<p>gold plated </p>	0.14-0.37	09 15 000 6124	09 15 000 6224	<table border="1"> <thead> <tr> <th colspan="2">Wire gauge</th> <th>∅</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		∅	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		∅		Stripping length																												
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	0.5 mm²	AWG 20	1.10 mm		8 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																														
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																															

Stock items in bold type

Identification	Part No.		Pg	Drawing	Dimensions in mm	
	Low construction	High construction				
Hoods side-entry	09 30 006 1540 09 30 006 1541		13.5			
			16			
				21		
				29		
	Hoods top-entry	09 30 006 1440 09 30 006 1441		13.5		
				16		
				21		
				29		
Protection covers metal		09 30 006 5401				
				09 30 006 5423		

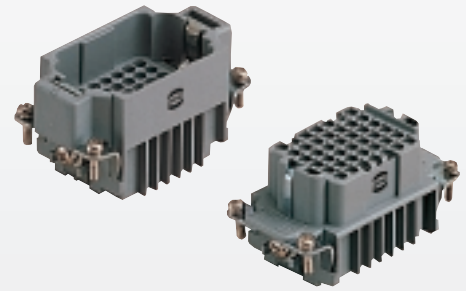
Han
D/DD

Hand / DD

Identification	Part No.		Pg	Drawing	Dimensions in mm											
	Low construction	High construction														
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 	1 side-entry 09 30 006 1251		16	  1) Blind way for one cable entry <table border="1"> <thead> <tr> <th></th> <th>a</th> <th>b</th> <th>h</th> </tr> </thead> <tbody> <tr> <td>Low construction</td> <td>40</td> <td>52</td> <td>51.5</td> </tr> <tr> <td>High construction</td> <td>45</td> <td>57</td> <td>74</td> </tr> </tbody> </table>		a	b	h	Low construction	40	52	51.5	High construction	45	57	74
		a	b		h											
	Low construction	40	52		51.5											
	High construction	45	57		74											
	2 side-entries 09 30 006 1291		09 30 006 0292 09 30 006 0293		16 21 29											
	1 side-entry 09 30 006 1256		with thermo-plastic cover 09 30 006 1256		16											
1 side-entry 09 30 006 2256		with metal cover 09 30 006 2256	16													
2 side-entries 09 30 006 1296		with thermo-plastic cover 09 30 006 0297 09 30 006 0298	16 21 29													
2 side-entries 09 30 006 2296		with metal cover 09 30 006 2297 09 30 006 2298	16 21 29													
Protection covers metal 	09 30 006 5404															
	09 30 006 5425															
Hoods cable to cable 	09 30 006 1750		13.5	<table border="1"> <thead> <tr> <th>h</th> <th>60</th> <th>25</th> <th>43</th> </tr> </thead> <tbody> <tr> <td>42.5</td> <td></td> <td></td> <td></td> </tr> <tr> <td>72.5</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> 	h	60	25	43	42.5				72.5			
	h	60	25		43											
42.5																
72.5																
		09 30 006 0752 09 30 006 0753	21 29													
Protection cover metal 	09 30 006 5427															

Number of contacts

42+



Inserts


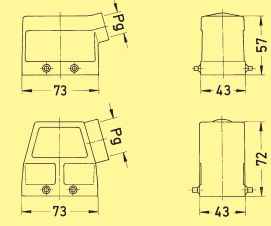

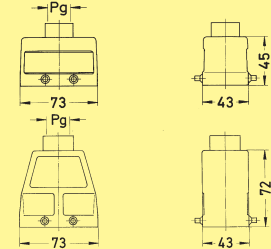

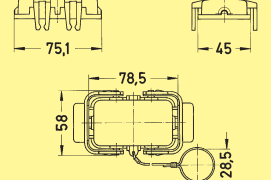

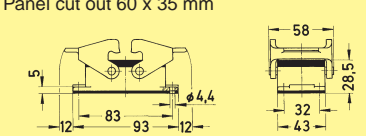

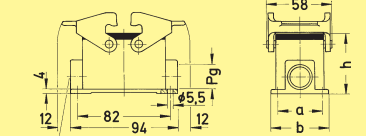


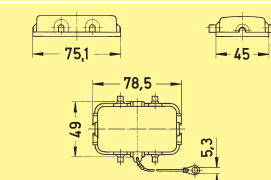

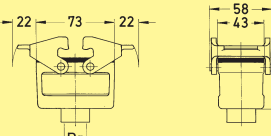

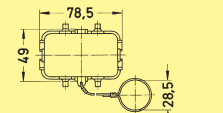
Han
D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<p>Crimp terminal</p> <p>Order crimp contacts separately</p>	Han DD	09 16 042 3001	09 16 042 3101	<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>

Identification	Wire gauge (mm²)	Part No.		Drawing	Dimensions in mm																												
		Male contacts	Female contacts																														
<p>Crimp contacts</p> <p>silver plated </p>	0.14-0.37	09 15 000 6104	09 15 000 6204		<table border="1"> <thead> <tr> <th colspan="2">Wire gauge</th> <th>∅</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		∅	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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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																															
<p>gold plated </p>	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																														
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	1.5	09 15 000 6121	09 15 000 6221																														
	2.5	09 15 000 6126	09 15 000 6226																														

Stock items in bold type

Han
D/DD

Identification	Part No.			Pg	Drawing	Dimensions in mm
	Low construction	High construction				
Hoods side-entry 	09 30 010 1521			16		
		09 30 010 0522		21		
		09 30 010 0523		29		
Hoods top-entry 	09 30 010 1421			16		
		09 30 010 0422		21		
		09 30 010 0423		29		
Protection covers thermoplastic/metal 	09 30 010 5401					
	09 30 010 5423					
Housing bulkhead mounting 	09 30 010 0301			—	Panel cut out 60 x 35 mm 	
Housings surface mounting 1 side-entry 	09 30 010 1231			16		
		09 30 010 0232		21		
		09 30 010 0233		29		
	2 side-entries 	09 30 010 1271				16
		09 30 010 0272		21		
		09 30 010 0273		29		
Protection covers thermoplastic/metal 	09 30 010 5407					
	09 30 010 5425					
Hoods cable to cable 	09 30 010 1731			16		
		09 30 010 0732		21		
		09 30 010 0733		29		
Protection cover metal 	09 30 010 5427					

Blind way for one cable entry

	a	b	h
Low construction	40	52	54
High construction	45	57	74

	h
Low construction	47.5
High construction	74.5

Stock items in bold type

Identification	Part No.		Pg	Drawing	Dimensions in mm	
	Low construction	High construction				
Hoods	Hoods side-entry 	09 30 010 1541	16			
		09 30 010 0542	21			
		09 30 010 0543	29			
	Hoods top-entry 	09 30 010 1441	16			
		09 30 010 0442	21			
		09 30 010 0443	29			
Housings	Housings bulkhead mounting 	09 30 010 0305	—	Panel cut out 60 x 35 mm 		
		09 30 010 0303 with thermo-plastic cover	—			
		09 30 010 0318 with metal cover	—			
	Housings surface mounting 	1 side-entry 09 30 010 1251	16			
		2 side-entries 09 30 010 1291	16			
			09 30 010 0292			21
			09 30 010 0293			29
		1 side-entry 09 30 010 1256 with thermo-plastic cover	16			
		2 side-entries 09 30 010 1296 with thermo-plastic cover	16			
			09 30 010 0297 09 30 010 0298 with thermo-plastic cover			21
	09 30 010 2296 with metal cover	29				
	09 30 010 2297 with metal cover	16				
		21				
Hoods cable to cable 	09 30 010 1751	16				
		09 30 010 0752			21	
		09 30 010 0753			29	

Han
D/DD

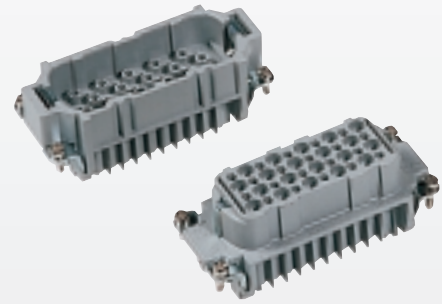
¹⁾ Blind way for one cable entry

	a	b	h
Low construction	40	52	54
High construction	45	57	74

	h
Low construction	47.5
High construction	74.5

Number of contacts

40+

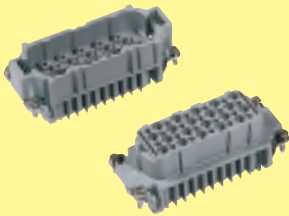


Inserts

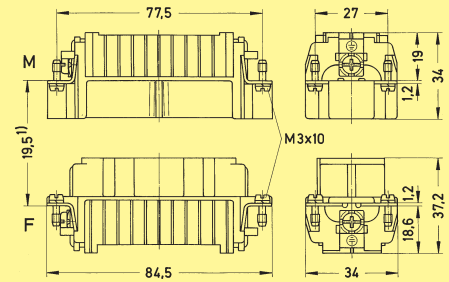
Han D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		

Crimp terminal
Order crimp contacts separately

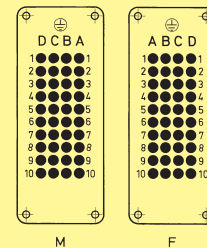


Han D	09 21 040 3001	09 21 040 3101

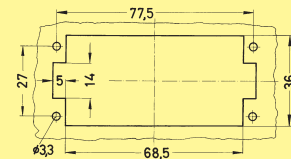


1) Distance for contact max. 21 mm

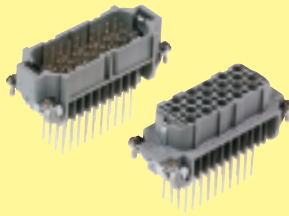
Contact arrangement View from termination side



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

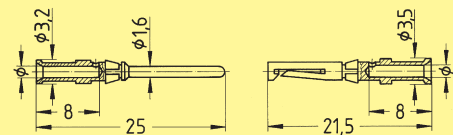
Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

Crimp contacts

silver plated



0.14-0.37	09 15 000 6104	09 15 000 6204
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



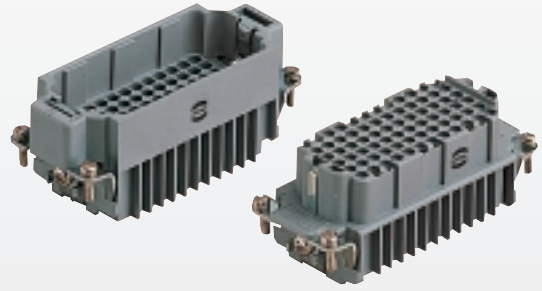
0.14-0.37	09 15 000 6124	09 15 000 6224
0.5	09 15 000 6123	09 15 000 6223
0.75	09 15 000 6125	09 15 000 6225
1.0	09 15 000 6122	09 15 000 6222
1.5	09 15 000 6121	09 15 000 6221
2.5	09 15 000 6126	09 15 000 6226

Wire gauge		∅	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

Stock items in bold type

Number of contacts

72 +




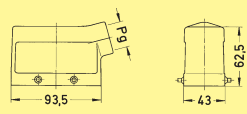
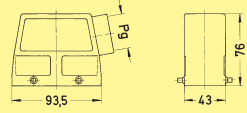

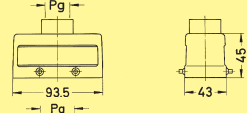
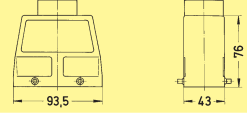
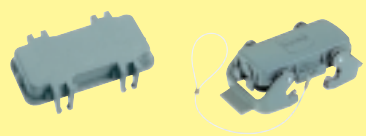
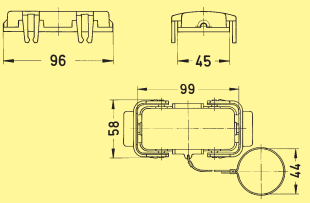

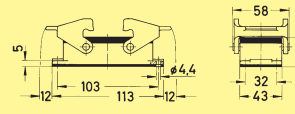

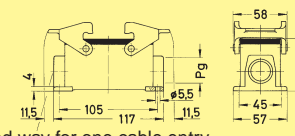

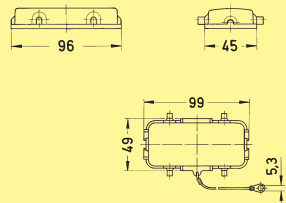

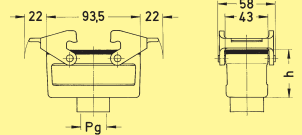

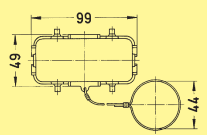
Inserts

Han
D/DD

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

Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm																												
		Male contacts	Female contacts																														
<p>Crimp contacts</p> <p>silver plated </p>	0.14-0.37	09 15 000 6104	09 15 000 6204		<table border="1"> <thead> <tr> <th colspan="2">Wire gauge</th> <th>∅</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		∅	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		∅			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																														
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																															
<p>gold plated </p>	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																														

Hand / DD

Identification		Part No.		Pg	Drawing	Dimensions in mm					
		Low construction	High construction								
Hoods	Hoods side-entry 	09 30 016 1520		21							
			09 30 016 0520 09 30 016 0521	21 29							
	Hoods top-entry 	09 30 016 1420		21							
			09 30 016 0420 09 30 016 0421	21 29							
	Protection covers 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 09 30 016 1230	09 30 016 0230 09 30 016 0231	21 29	 Blind way for one cable entry <table border="1" data-bbox="1085 1377 1276 1444"> <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									
	2 side-entries 09 30 016 1270	09 30 016 0270 09 30 016 0271	21 29								
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 border="1" data-bbox="1085 1825 1276 1892"> <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										

Identification	Part No.		Pg	Drawing	Dimensions in mm						
	Low construction	High construction									
Hoods	Hoods side-entry 	09 30 016 1540	21								
		09 30 016 0540 09 30 016 0541	21 29								
	Hoods top-entry 	09 30 016 1440	21								
		09 30 016 0440 09 30 016 0441	21 29								
	Housings	Housings bulkhead mounting 	09 30 016 0307	—	Panel cut out 82 x 35 mm 						
			with thermo-plastic cover 09 30 016 0306	—							
with metal cover 09 30 016 0318			—								
Housings surface mounting		1 side-entry	09 30 016 1250	09 30 016 0250 09 30 016 0251	21 29						
		2 side-entries	09 30 016 1290	09 30 016 0290 09 30 016 0291	21 29						
		1 side-entry	with thermo-plastic cover 09 30 016 1255	with thermo-plastic cover 09 30 016 0255 09 30 016 0256	21 29						
		2 side-entries	with thermo-plastic cover 09 30 016 1295	with thermo-plastic cover 09 30 016 0295 09 30 016 0296	21 29						
		2 side-entries	with metal cover 09 30 016 2295	with metal cover 09 30 016 2297 09 30 016 2298	21 29						
Hoods cable to cable 		09 30 016 1750	09 30 016 0750 09 30 016 0751	21 29	 <table border="1"> <thead> <tr> <th></th> <th>h</th> </tr> </thead> <tbody> <tr> <td>Low construction</td> <td>47.5</td> </tr> <tr> <td>High construction</td> <td>78.5</td> </tr> </tbody> </table>		h	Low construction	47.5	High construction	78.5
		h									
Low construction	47.5										
High construction	78.5										

Han
D/DD

Number of contacts

64+



Inserts

Han
D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		

Crimp contacts

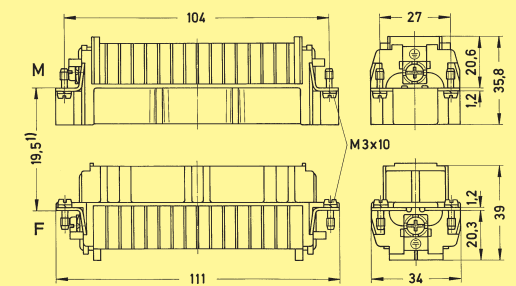
Order crimp contacts separately



Han D

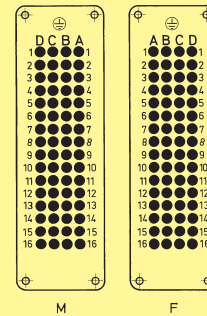
09 21 064 3001

09 21 064 3101

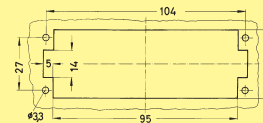


1) Distance for contact max. 21 mm

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 21 064 2601

09 21 064 2701

Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

Crimp contacts

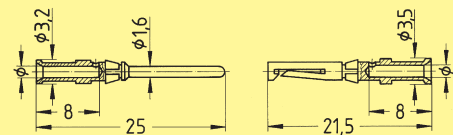
silver plated



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

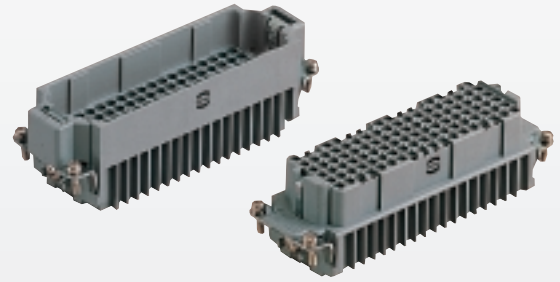
09 15 000 6224
09 15 000 6223
09 15 000 6225
09 15 000 6222
09 15 000 6221
09 15 000 6226

Wire gauge		∅	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

Stock items in bold type

Number of contacts

108 +



Inserts


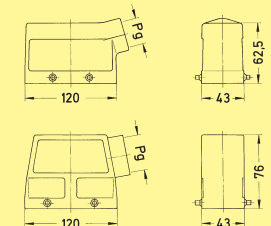
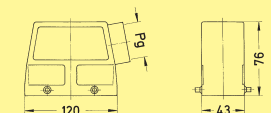
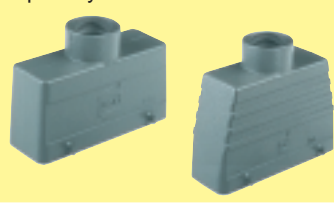
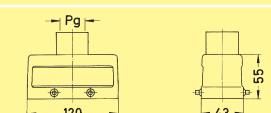
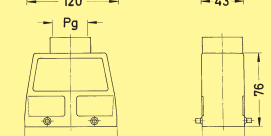
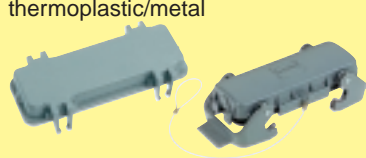

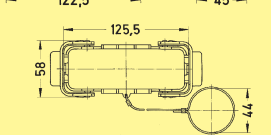

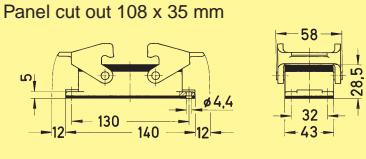

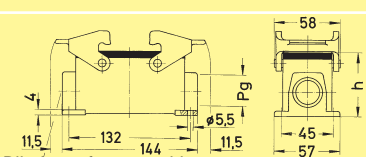



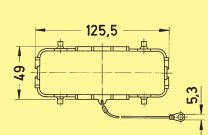

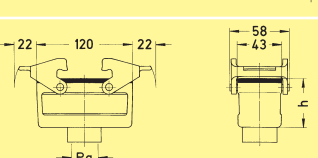

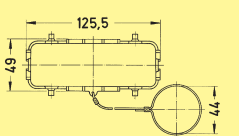
Han
D/DD

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	<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>	

Identification	Wire gauge (mm ²)	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																														
	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 border="1"> <thead> <tr> <th colspan="2">Wire gauge</th> <th>∅</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		∅	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		∅		Stripping length																												
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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																															

Stock items in bold type

Han
D/DD

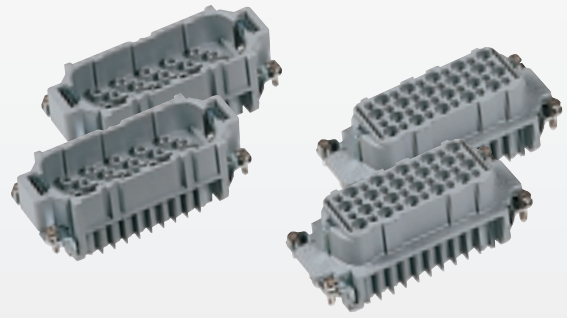
Identification	Part No.		Pg	Drawing	Dimensions in mm						
	Low construction	High construction									
Hoods	Hoods side-entry 	09 30 024 1520		21							
			09 30 024 0520 09 30 024 0521	21 29							
	Hoods top-entry 	09 30 024 1421		29							
		09 30 024 0420 09 30 024 0421	21 29								
Protection covers thermoplastic/metal		09 30 024 5401									
		09 30 024 5422									
Housing bulkhead mounting 	09 30 024 0301		-		Panel cut out 108 x 35 mm 						
Housings surface mounting	1 side-entry 	09 30 024 1230	09 30 024 0230 09 30 024 0231	21 29	 Blind way for one cable entry <table border="1" data-bbox="1085 1388 1276 1478"> <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										
2 side-entries 	09 30 024 1270	09 30 024 0270 09 30 024 0271	21 29								
Housings	Protection covers thermoplastic/metal 	09 30 024 5405									
		09 30 024 5425									
	Hoods cable to cable 	09 30 024 1731	09 30 024 0730 09 30 024 0731	21 29	 <table border="1" data-bbox="1085 1859 1276 1948"> <tr><td></td><td>h</td></tr> <tr><td>Low construction</td><td>57.5</td></tr> <tr><td>High construction</td><td>78.5</td></tr> </table>		h	Low construction	57.5	High construction	78.5
	h										
Low construction	57.5										
High construction	78.5										
Protection cover metal 	09 30 024 5426										

Identification	Part No.		Pg	Drawing	Dimensions in mm						
	Low construction	High construction									
Hoods side-entry		09 30 024 1540		21							
		09 30 024 0540 09 30 024 0541		21 29							
Hoods top-entry		09 30 024 1441		29							
		09 30 024 0440 09 30 024 0441		21 29							
Housings bulkhead mounting		09 30 024 0307		—	<p>Panel cut out 108 x 35 mm</p>						
		with thermo- plastic cover 09 30 024 0304		—							
		with metal cover 09 30 024 0318		—							
		1 side-entry	09 30 024 1250	09 30 024 0250 09 30 024 0251		21 29					
		2 side-entries	09 30 024 1290	09 30 024 0290 09 30 024 0291		21 29					
Housings surface mounting		with thermoplastic cover 09 30 024 1255	with thermoplastic cover 09 30 024 0255 09 30 024 0256	21 29							
		with thermoplastic cover 09 30 024 1295	with thermoplastic cover 09 30 024 0295 09 30 024 0296	21 29							
		with metal cover 09 30 024 2295	with metal cover 09 30 024 2297 09 30 024 2298	21 29							
		1 side-entry									
		2 side-entries									
Hoods cable to cable		09 30 024 1751	09 30 024 0751	29	<table border="1"> <tr><td></td><td>h</td></tr> <tr><td>Low construction</td><td>57.5</td></tr> <tr><td>High construction</td><td>78.5</td></tr> </table>		h	Low construction	57.5	High construction	78.5
	h										
Low construction	57.5										
High construction	78.5										

Han
D/DD

Number of contacts

80+



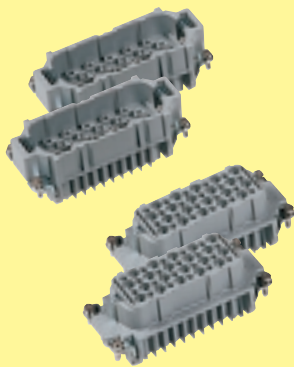
Inserts

Han D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		

Crimp terminal

Order crimp contacts separately



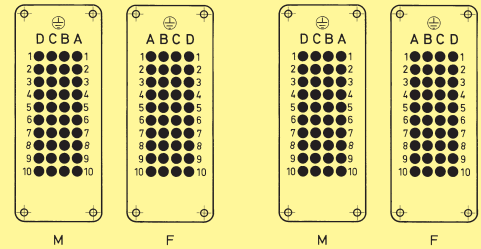
Han D
1-40
1-40

09 21 040 3001
09 21 040 3001

09 21 040 3101
09 21 040 3101

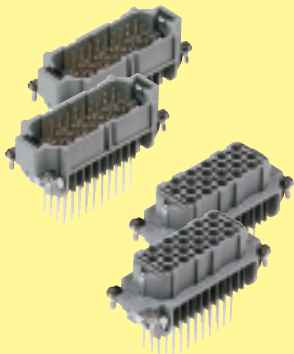
Dimensions for inserts see page 02.28.

Contact arrangement View from termination side



Wrap terminal

1 x 1 mm

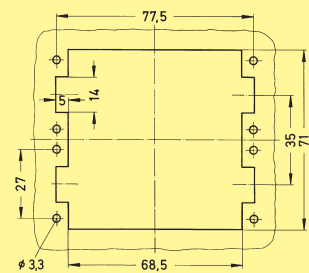


Han D
1-40
1-40

09 21 040 2601
09 21 040 2601

09 21 040 2701
09 21 040 2701

Panel cut out for inserts for use without hoods/housings



Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

Crimp contacts

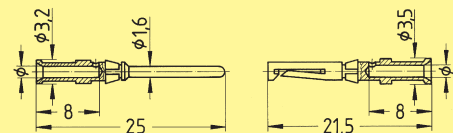
silver plated



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

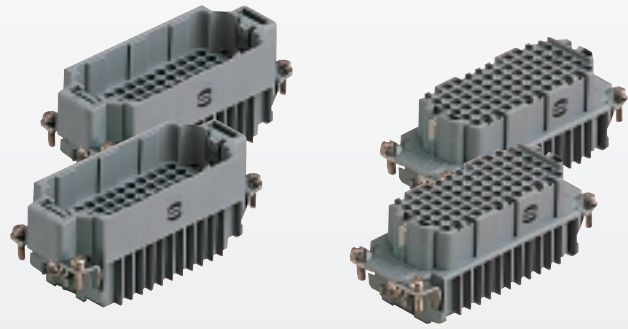
09 15 000 6224
09 15 000 6223
09 15 000 6225
09 15 000 6222
09 15 000 6221
09 15 000 6226

Wire gauge		∅	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

Stock items in bold type

Number of contacts

144 +



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

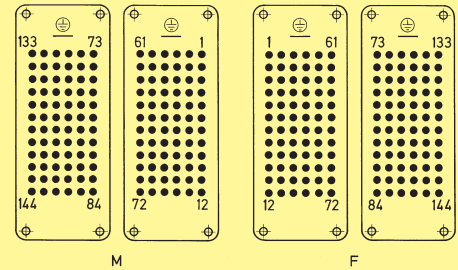
1- 72
73-144

09 16 072 3001
09 16 072 3011

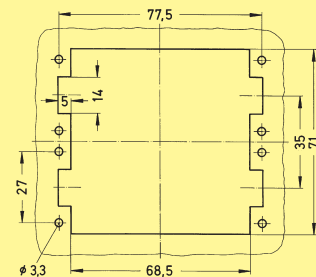
09 16 072 3101
09 16 072 3111

Dimensions for inserts see page 02.29.

Contact arrangement View from termination side



Panel cut out for inserts
for use without hoods/housings



Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

Crimp contacts

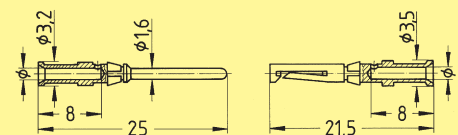
silver plated



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


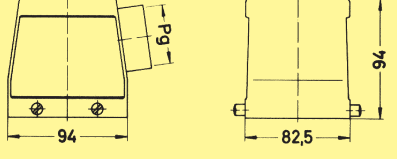

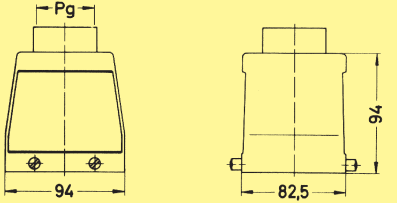
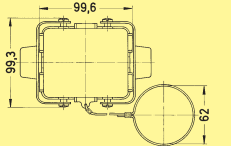

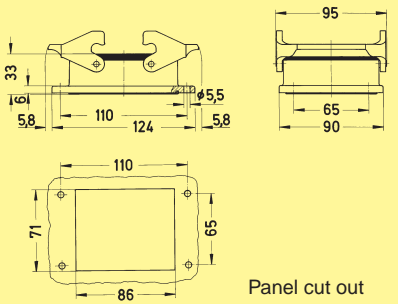
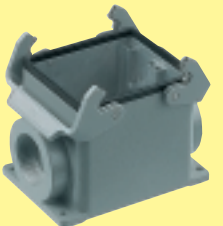
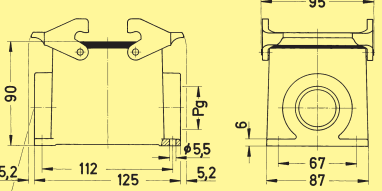

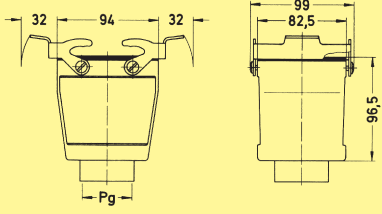
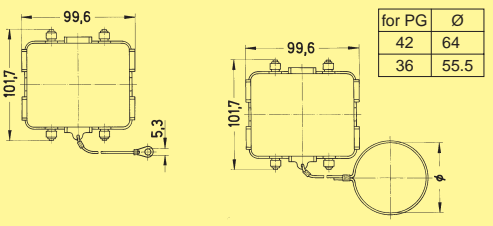
09 15 000 6124
09 15 000 6123
09 15 000 6125
09 15 000 6122
09 15 000 6121
09 15 000 6126

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		∅	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

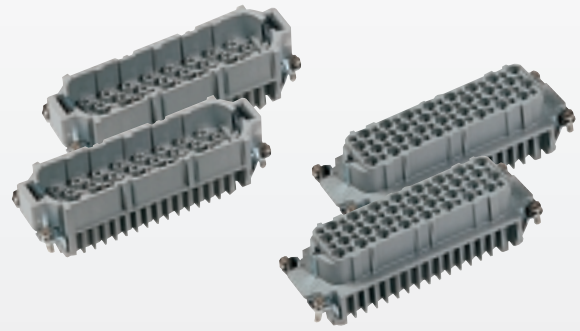
Stock items in bold type

Hand / DD

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

Number of contacts

128 +

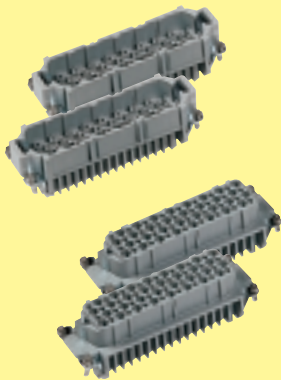


Inserts

Han
D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		

Crimp terminal
Order crimp contacts separately



Han D

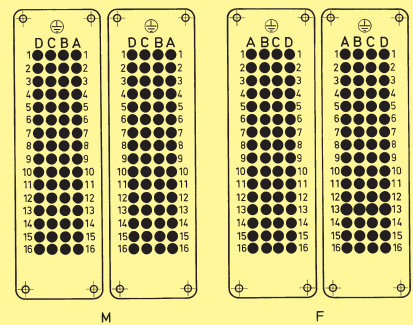
1-64
1-64

09 21 064 3001
09 21 064 3001

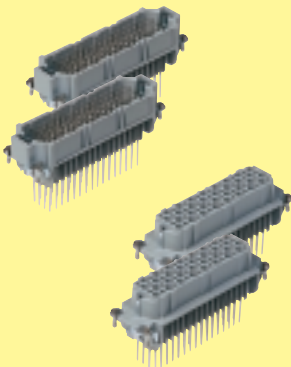
09 21 064 3101
09 21 064 3101

Dimensions for inserts see page 02.32.

Contact arrangement View from termination side



Wrap terminal
1 x 1 mm



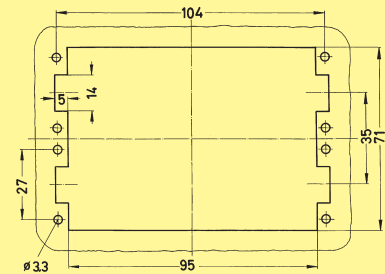
Han D

1-64
1-64

09 21 064 2601
09 21 064 2601

09 21 064 2701
09 21 064 2701

Panel cut out for inserts
for use without hoods/housings



Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

Crimp contacts

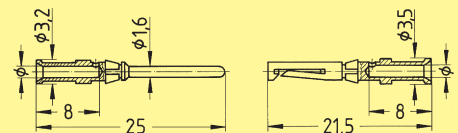
silver plated



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

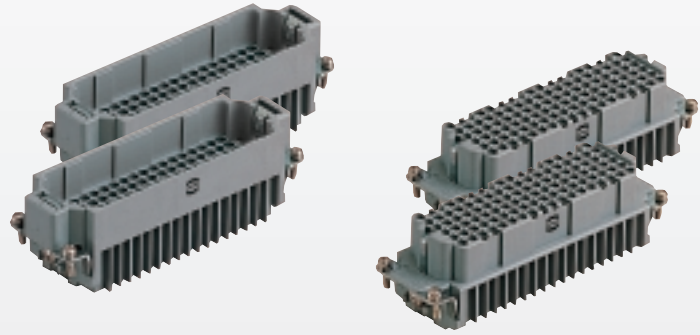
09 15 000 6224
09 15 000 6223
09 15 000 6225
09 15 000 6222
09 15 000 6221
09 15 000 6226

Wire gauge	AWG	∅	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

Stock items in bold type

Number of contacts

216+



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

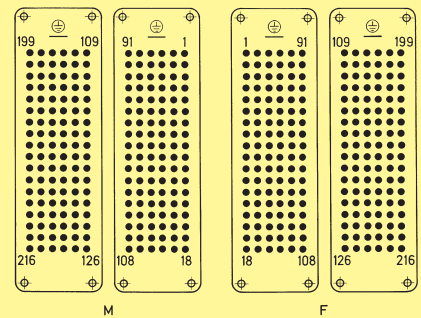
1-108
109-216

09 16 108 3001
09 16 108 3011

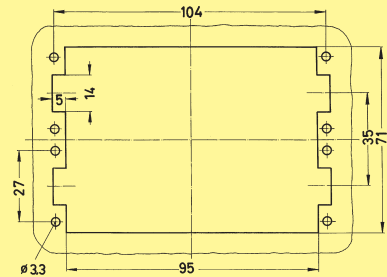
09 16 108 3101
09 16 108 3111

Dimensions for inserts see page 02.33.

Contact arrangement View from termination side



Panel cut out for inserts
for use without hoods/housings



Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

Crimp contacts

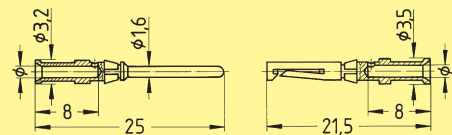
silver plated



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		∅	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

Stock items in bold type

Identification	Part No.	Pg	Drawing	Dimensions in mm	
Hoods	Hoods side-entry	<p>09 30 048 0540 29</p> <p>09 30 048 0541 36</p> <p>09 30 048 0542 42</p>			
	Hoods top-entry				<p>09 30 048 0440 29</p> <p>09 30 048 0441 36</p> <p>09 30 048 0442 42</p>
Housings	Housings bulkhead mounting	<p>with thermo-plastic cover</p> <p>09 30 048 0301</p>	—	<p>Panel cut out</p>	
	<p>with metal cover</p> <p>09 30 048 0317</p>	—			
	Housings surface mounting 2 side-entries	<p>09 30 048 0290 29</p> <p>09 30 048 0291 36</p>	<p>with thermo-plastic cover</p> <p>09 30 048 0295 29</p> <p>09 30 048 0296 36</p>	<p>1) Blind way</p>	
<p>with thermo-plastic cover</p> <p>09 30 048 0295 29</p> <p>09 30 048 0296 36</p>	—				
<p>with metal cover</p> <p>09 30 048 2295 29</p> <p>09 30 048 2296 36</p>	—				

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 ~ insulation group C. A modified contact loading arrangement permits use up to 500 V ~ also in insulation group C.

Fully equipped connectors may also be used up to 500 V ~ but in a lower insulation group.

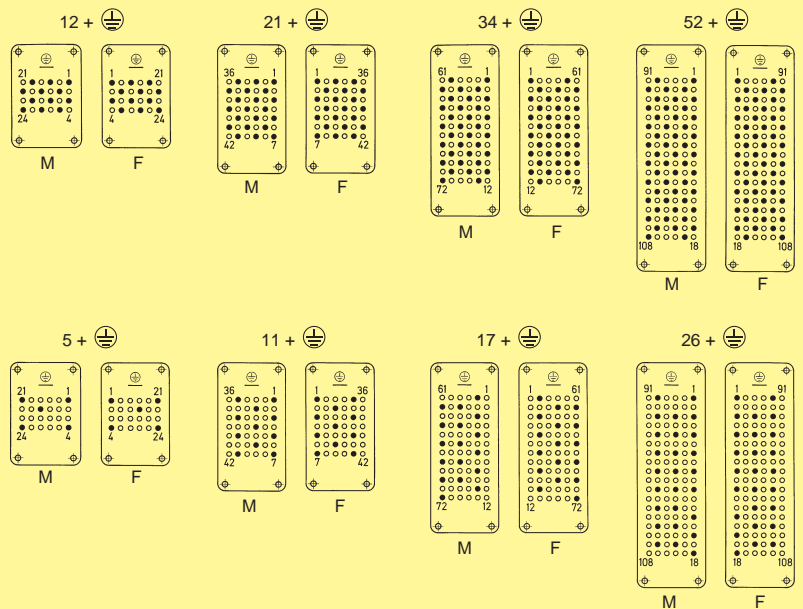
According to VDE 0627 connectors should not be coupled or decoupled under electrical load.

Han
D/DD

Series Han DD

380 V ~ Insulation group C

Contact arrangement View from termination side



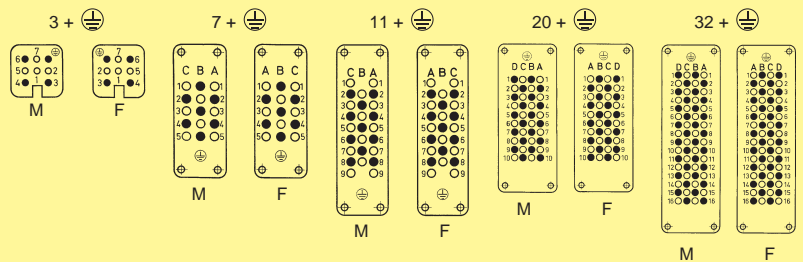
500 V ~ Insulation group C

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

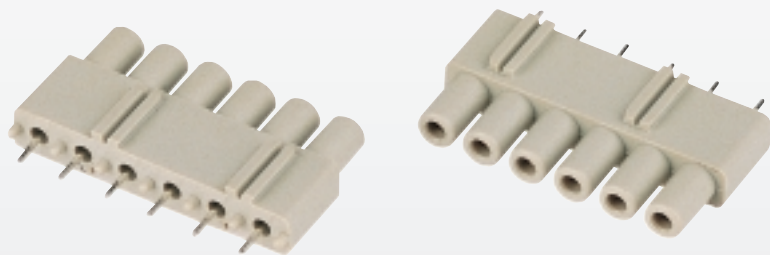
Series Han D

500 V Pollution degree 3

Contact arrangement View from termination side



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



Han pcb-adapter

Han
D/DD

Identification

Part No.

Drawing

Dimensions in mm

Adapter

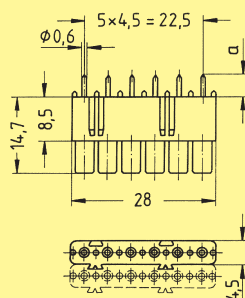
(contacts included)
can be used in combination with
all Han DD inserts

for pcb:

- up to 1.6 mm
- up to 2.4 mm

09 16 000 9905

09 16 000 9908



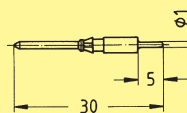
Part No.	a
09 16 000 9905	3.8
09 16 000 9908	4.6

Han DD

Male contact



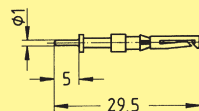
09 15 000 6191



Female contact

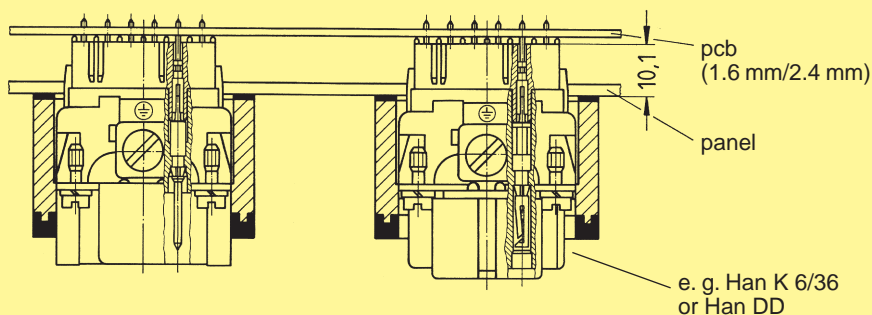


09 15 000 6291

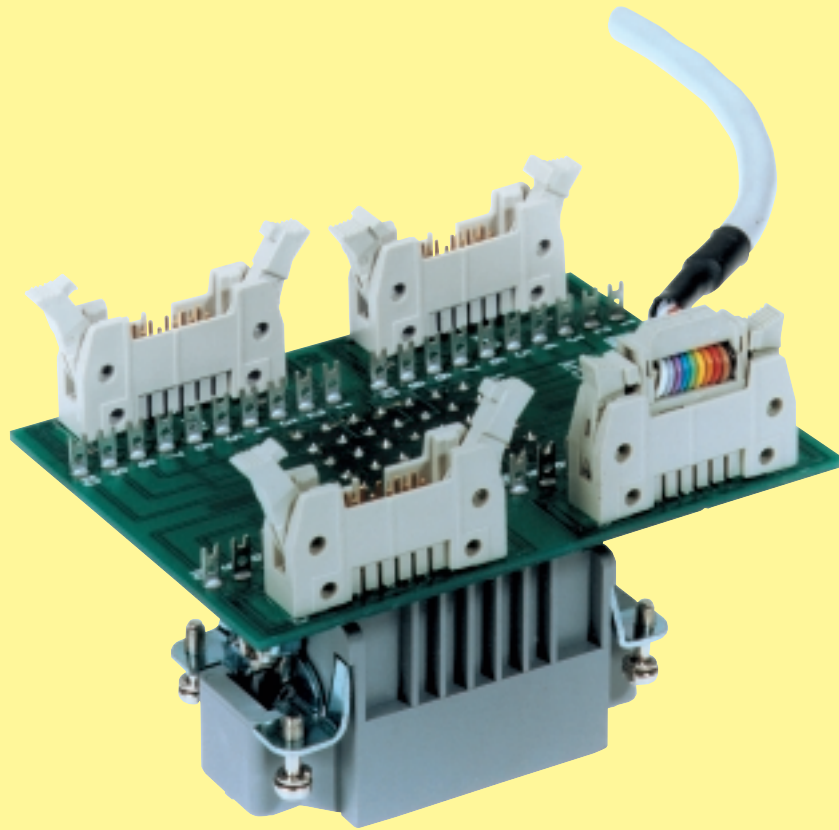


Application

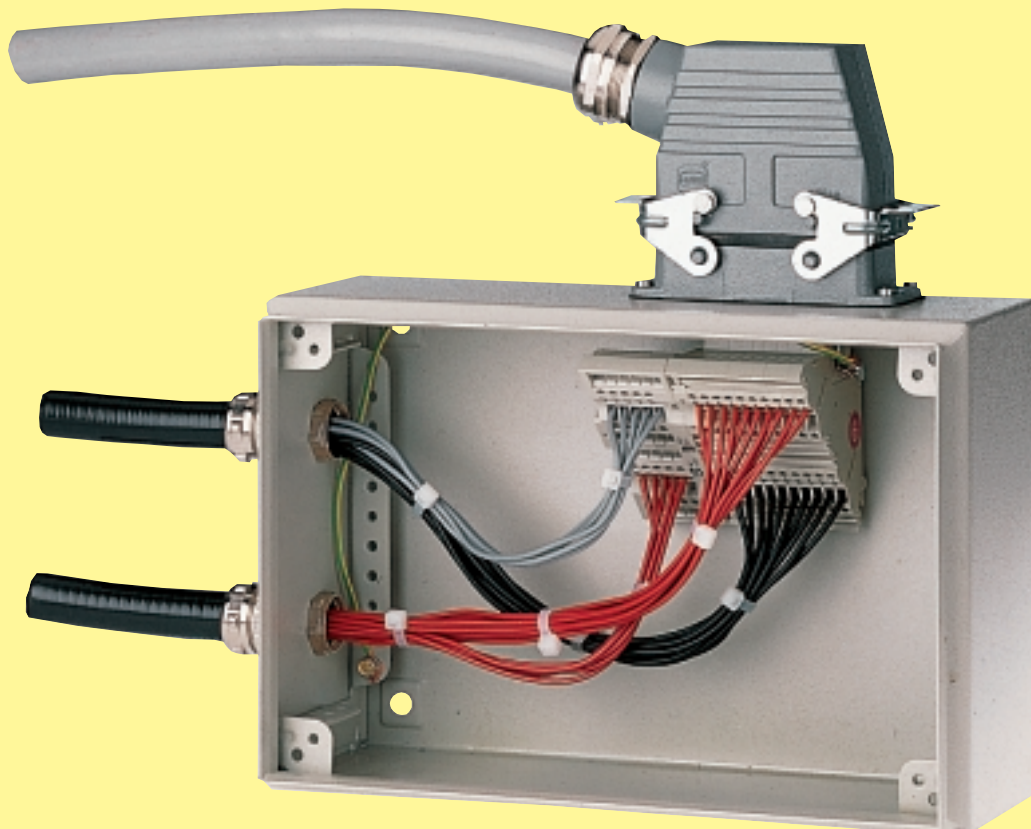
The pcb-adapter is used to terminate
control and data lines via pcb to the
above mentioned connector inserts.



Han
D/DD



Interface between PCB and cabinet wall with a Han 42 DD male insert in circuit with a PCB-adaptor.



02

44 Space saving and economical wired switchbox with Han 40 D terminal block connector and distributor.