

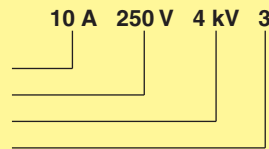
## Han D<sup>®</sup> · Han DD<sup>®</sup>

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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  $\geq 500$

Contacts	
Material	copper alloy
Surface - hard-silver plated	3 $\mu\text{m}$ Ag
- hard-gold plated	2 $\mu\text{m}$ Au over 3 $\mu\text{m}$ Ni
Contact resistance	$\leq 3 \text{ m}\Omega$
Crimp terminal - $\text{mm}^2$	0.14 - 2.5 $\text{mm}^2$
- AWG	26 - 14
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
Material Size 3 A	Polycarbonate RAL 7032
Locking element	Han-Easy Lock <sup>®</sup>
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

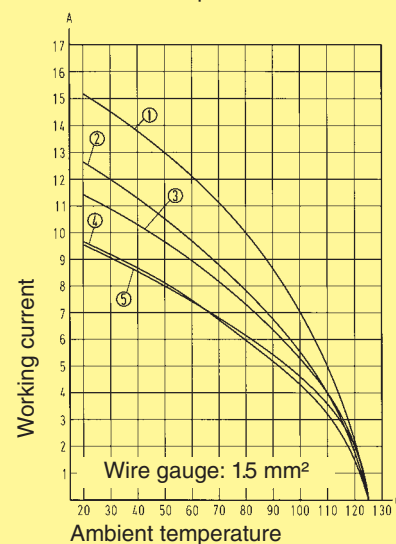
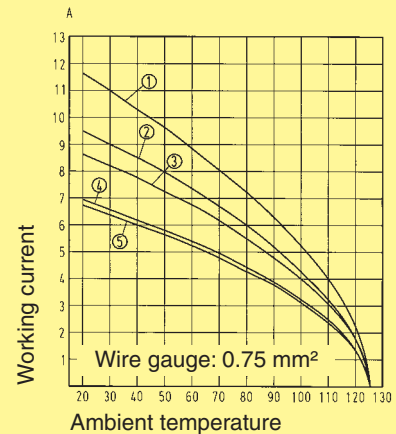
Accessories	
Crimping tools	chapter 99
Cable clamps	chapter 40
Coding of hoods/housings	chapter 40
Label acc. to CSA-approval	chapter 40
Han-Snap <sup>®</sup>	chapter 11
Test connector	chapter 40

**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 60 512-3.



① Han<sup>®</sup> 7 D      ③ Han<sup>®</sup> 25 D      ⑤ Han<sup>®</sup> 64 D  
② Han<sup>®</sup> 15 D      ④ Han<sup>®</sup> 40 D

### Technical characteristics Han<sup>®</sup> 8 D

Approvals	SEV
Number of contacts	8
Electrical data acc. to DIN EN 61 984	
Working current	10 A
Working voltage	$\sim 50 \text{ V} / - 120 \text{ V}$
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<sup>®</sup>.

**Specifications**

DIN VDE 0627  
DIN VDE 0110  
DIN EN 61 984

**Approvals**

SEV

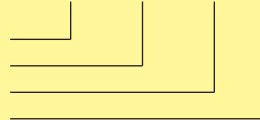
**Inserts**

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

Electrical data  
acc. to DIN EN 61 984

**10 A 250 V 4 kV 3**

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  
Material  
Limiting temperature  
Flammability acc. to UL 94  
Mechanical working life  
- mating cycles

≥ 10<sup>10</sup> Ω  
Polycarbonate  
- 40 °C / +125 °C  
V0  
≥ 500

**Contacts**

Material copper alloy  
Surface  
- hard-silver plated 3 µm Ag  
- hard-gold plated 2 µm Au over 3 µm Ni  
Contact resistance ≤ 3 mΩ  
Crimp terminal  
- mm<sup>2</sup> 0.14 - 2.5 mm<sup>2</sup>  
- 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 °C / +125 °C  
Degree of protection acc. to DIN EN 60 529 for coupled connectors IP 65  
Further selection of hoods/housings chapter 30 / chapter 31

**Accessories**

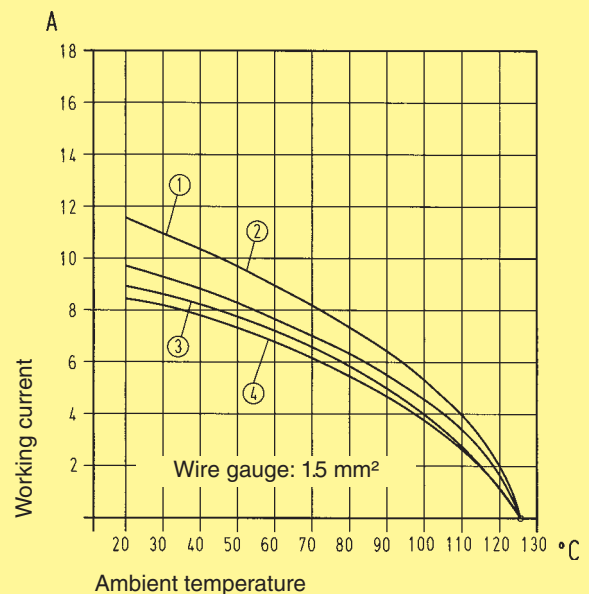
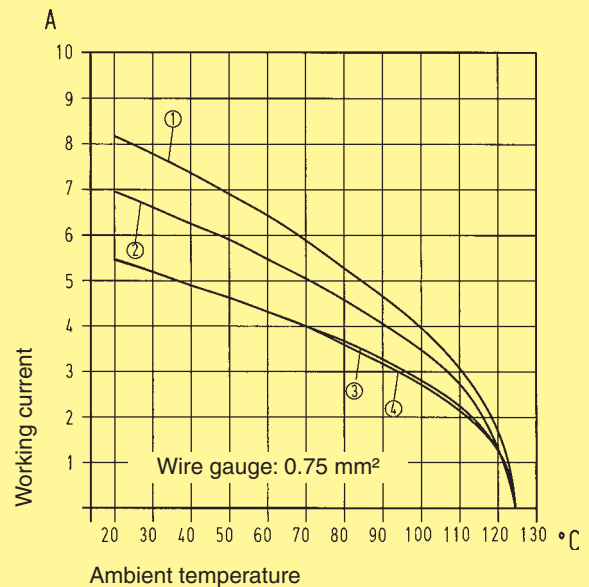
Crimping tools chapter 99  
Cable clamps chapter 40  
Coding of hoods/housings chapter 40  
Label acc. to CSA-approval chapter 40  
Han-Snap® chapter 11  
Test connector chapter 40  
PC-Board adapter chapter 40

**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.

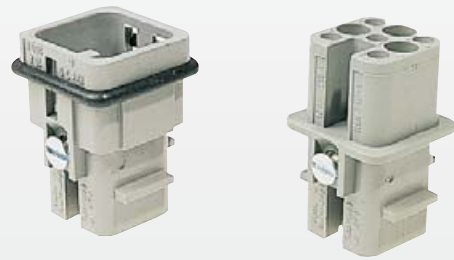
Control and test procedures according to DIN IEC 60 512-3.



- 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 3031<sup>1)</sup>**

**09 21 007 3131<sup>1)</sup>**

M

F

**Contact arrangement**  
View from termination side

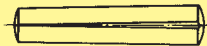
<sup>1)</sup> Attention  
Only for thermoplastic hoods/housings

**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.



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

**FOC contacts**  
for 1 mm plastic fibre

**20 10 001 3212**

**20 10 001 3222**

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 <b>19 20 003 0420</b> black 19 20 003 0427	20 20			
	Protection covers for hoods	09 20 003 5442 <sup>1)</sup> 09 20 003 5441 <sup>2)</sup>				
Housings	Housings bulkhead mounting	grey <b>09 20 003 0320</b> black <b>09 20 003 0327</b> grey <b>09 20 003 0820</b> black <b>09 20 003 0827</b>	— — — —		Panel cut out 22 x 22 mm	
	Housings surface mounting 1 side-entry	grey <b>19 20 003 0220</b>	20		Panel cut out 22 x 22 mm	
	Hoods cable to cable	grey <b>19 20 003 0720</b> black 19 20 003 0727	20 20			
	Protection covers for housings	A	<b>09 20 003 5407<sup>1)3)</sup></b> <b>09 20 003 5408<sup>2)3)4)</sup></b>			
		B	<b>09 20 003 5445<sup>2)</sup></b> 09 20 003 5446 <sup>1)</sup> 09 20 003 5447 <sup>2)3)4)</sup>			
	for hoods cable to cable	C	09 20 003 5448 <sup>1)</sup>			

Han  
D/DD

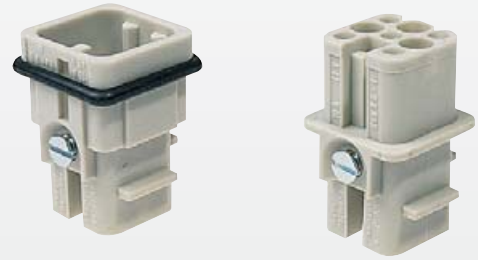
<sup>1)</sup> for mounted male insert  
<sup>2)</sup> for mounted female insert

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

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)		
<p><b>Crimp terminal</b> Order Crimp contacts separately</p> <p>For thermoplastic and metal hoods/housings</p>	Han D®	<b>09 36 008 3001</b>	<b>09 36 008 3101</b>	<p>M</p> <p>F</p>	<p><b>Contact arrangement</b> View from termination side</p>
<p><b>Coding system with loss of contact</b></p>		<b>09 33 000 9915</b>	<p>Use of the coding pin prevents incorrect mating to other connectors of the same type.</p> <p>The male pin should be omitted from the opposing cavity in the male insert.</p>		

Identification	Wire gauge (mm²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		
<p><b>Crimp contacts</b></p> <p>silver plated</p>	0.14-0.37 0.5 0.75 1.0 1.5 2.5	<p><b>09 15 000 6104</b> <b>09 15 000 6103</b> <b>09 15 000 6105</b> <b>09 15 000 6102</b> <b>09 15 000 6101</b> <b>09 15 000 6106</b></p>	<p><b>09 15 000 6204</b> <b>09 15 000 6203</b> <b>09 15 000 6205</b> <b>09 15 000 6202</b> <b>09 15 000 6201</b> <b>09 15 000 6206</b></p>		
<p>gold plated</p>	0.14-0.37 0.5 0.75 1.0 1.5 2.5	<p><b>09 15 000 6124</b> <b>09 15 000 6123</b> <b>09 15 000 6125</b> <b>09 15 000 6122</b> <b>09 15 000 6121</b> <b>09 15 000 6126</b></p>	<p><b>09 15 000 6224</b> <b>09 15 000 6223</b> <b>09 15 000 6225</b> <b>09 15 000 6222</b> <b>09 15 000 6221</b> <b>09 15 000 6226</b></p>		
<p><b>FOC contacts for 1 mm plastic fibre</b></p>		<b>20 10 001 3212</b>	<b>20 10 001 3222</b>		

Wire gauge	ø	Stripping length
0.14-0.37 mm²	0.90 mm	8 mm
0.5 mm²	1.10 mm	8 mm
0.75 mm²	1.30 mm	8 mm
1 mm²	1.45 mm	8 mm
1.5 mm²	1.75 mm	8 mm
2.5 mm²	2.25 mm	6 mm

Stock items in bold type

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

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<sup>1)</sup> for mounted male insert <sup>2)</sup> for mounted female insert


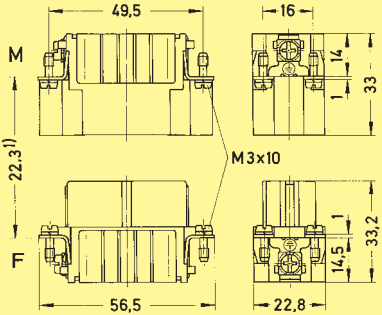
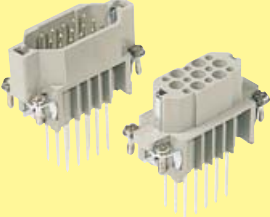
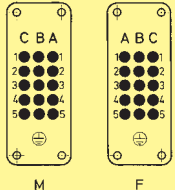
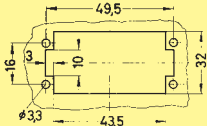
Number of contacts



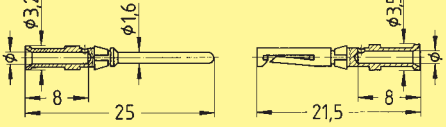
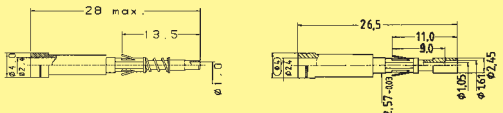
15+



Han D/DD

Inserts

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Order crimp contacts separately 	Han D®	<b>09 21 015 3001</b>	<b>09 21 015 3101</b>		
<b>Wrap terminal</b> 1 x 1 mm 	Han D®	<b>09 21 015 2601</b>	<b>09 21 015 2701</b>	1) Distance for contact max. 24 mm 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																														
<b>Crimp contacts</b> silver plated  gold plated 	0.14-0.37 0.5 0.75 1.0 1.5 2.5  0.14-0.37 0.5 0.75 1.0 1.5 2.5	<b>09 15 000 6104</b> <b>09 15 000 6103</b> <b>09 15 000 6105</b> <b>09 15 000 6102</b> <b>09 15 000 6101</b> <b>09 15 000 6106</b>	<b>09 15 000 6204</b> <b>09 15 000 6203</b> <b>09 15 000 6205</b> <b>09 15 000 6202</b> <b>09 15 000 6201</b> <b>09 15 000 6206</b>		<table border="1"> <thead> <tr> <th>Wire gauge</th> <th></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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<b>FOC contacts</b> for 1 mm plastic fibre		<b>20 10 001 3213</b>	<b>20 10 001 3222</b>																														

Stock items in bold type



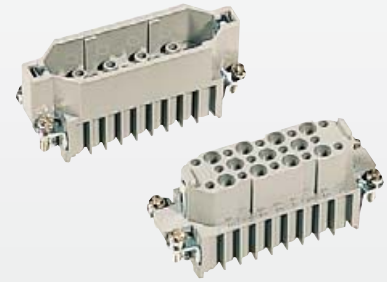
Identification	Part No.			Drawing	Dimensions in mm
	Low construction	High construction	M		
Hoods	<b>Hoods side-entry</b> 	<b>19 20 010 1540</b>		20	
			<b>19 20 010 0546</b>	25	
	<b>Hoods top-entry</b> 	<b>19 20 010 1440</b>		20	
			<b>19 20 010 0446</b>	25	
	<b>Protection covers for hoods</b> 	<b>09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

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<sup>1)</sup> only metal screwing


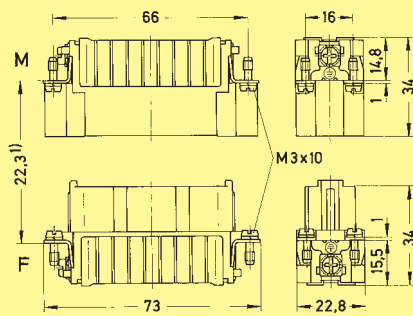
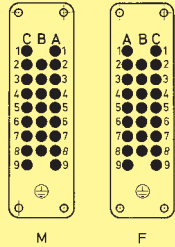
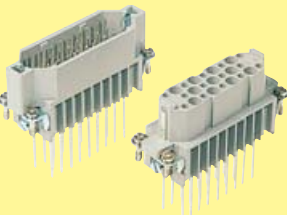
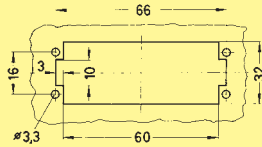
Number of contacts

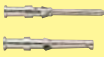

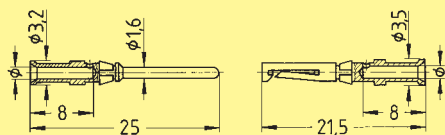
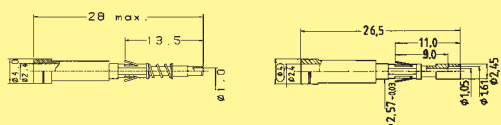
25+




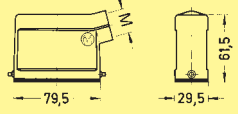
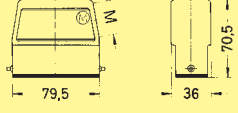

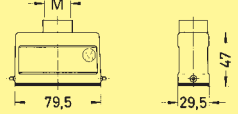


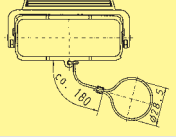

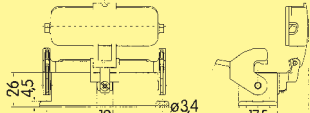

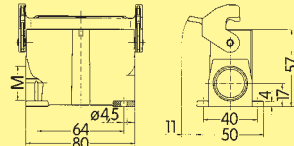
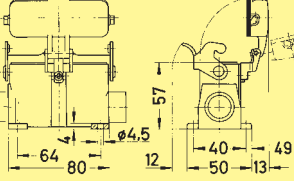
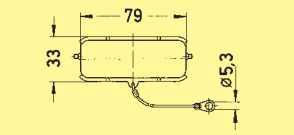

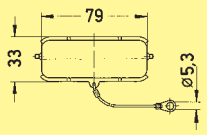
Han  
D/DD

Inserts

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Order crimp contacts separately 	Han D®	<b>09 21 025 3001</b>	<b>09 21 025 3101</b>	 <p>1) Distance for contact max. 24 mm</p> <p><b>Contact arrangement</b> View from termination side</p> 	
<b>Wrap terminal</b> 1 x 1 mm 	Han D®	<b>09 21 025 2601</b>	<b>09 21 025 2701</b>	<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																							
<b>Crimp contacts</b>  silver plated  gold plated 	0.14-0.37 0.5 0.75 1.0 1.5 2.5  0.14-0.37 0.5 0.75 1.0 1.5 2.5	<b>09 15 000 6104</b> <b>09 15 000 6103</b> <b>09 15 000 6105</b> <b>09 15 000 6102</b> <b>09 15 000 6101</b> <b>09 15 000 6106</b>  <b>09 15 000 6124</b> <b>09 15 000 6123</b> <b>09 15 000 6125</b> <b>09 15 000 6122</b> <b>09 15 000 6121</b> <b>09 15 000 6126</b>	<b>09 15 000 6204</b> <b>09 15 000 6203</b> <b>09 15 000 6205</b> <b>09 15 000 6202</b> <b>09 15 000 6201</b> <b>09 15 000 6206</b>  <b>09 15 000 6224</b> <b>09 15 000 6223</b> <b>09 15 000 6225</b> <b>09 15 000 6222</b> <b>09 15 000 6221</b> <b>09 15 000 6226</b>		<table border="1"> <thead> <tr> <th>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> </tr> <tr> <td>0.5 mm²</td> <td>AWG 20</td> <td>1.10 mm</td> </tr> <tr> <td>0.75 mm²</td> <td>AWG 18</td> <td>1.30 mm</td> </tr> <tr> <td>1 mm²</td> <td>AWG 18</td> <td>1.45 mm</td> </tr> <tr> <td>1.5 mm²</td> <td>AWG 16</td> <td>1.75 mm</td> </tr> <tr> <td>2.5 mm²</td> <td>AWG 14</td> <td>2.25 mm</td> </tr> </tbody> </table>	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
Wire gauge	ø	Stripping length																								
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2.5 mm²	AWG 14	2.25 mm																								
<b>FOC contacts</b> for 1 mm plastic fibre		<b>20 10 001 3213</b>	<b>20 10 001 3222</b>																							

Stock items in bold type

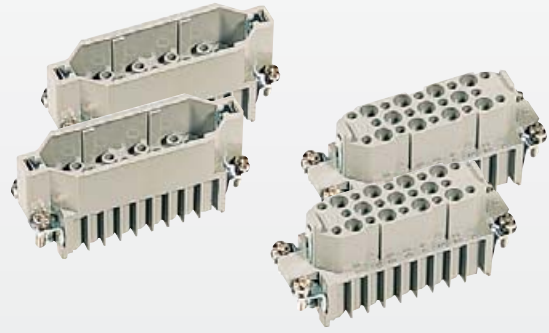
Identification	Part No.			Drawing	Dimensions in mm
	Low construction	High construction	M		
Hoods	<b>Hoods side-entry</b> 	<b>19 20 016 1540</b>		20	
			<b>19 20 016 0546</b>	25	
	<b>Hoods top-entry</b> 	<b>19 20 016 1440</b>		20	
			<b>19 20 016 0446</b>	25	
	<b>Protection covers for hoods</b> 	<b>09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

Han  
D/DD

<sup>1)</sup> only metal screwing


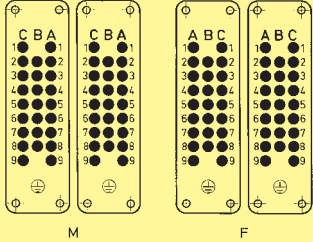
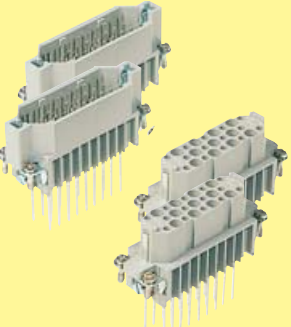
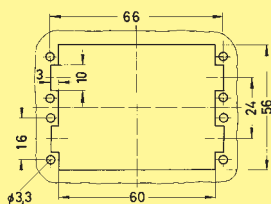
Number of contacts

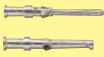

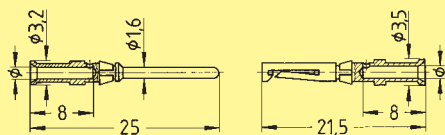
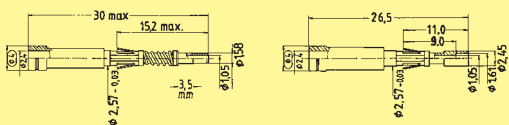
50+



Inserts

Han D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Order crimp contacts separately 	Han D®			Dimensions for inserts see page 02.18.  Contact arrangement View from termination side 	
	1-25	<b>09 21 025 3001</b>	<b>09 21 025 3101</b>		
	1-25	<b>09 21 025 3001</b>	<b>09 21 025 3101</b>		
<b>Wrap terminal</b> 1 x 1 mm 	Han D®			Panel cut out for inserts for use without hoods/housings 	
	1-25	<b>09 21 025 2601</b>	<b>09 21 025 2701</b>		
	1-25	<b>09 21 025 2601</b>	<b>09 21 025 2701</b>		

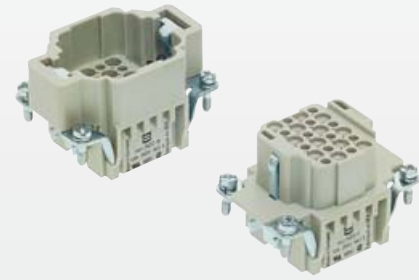
Identification	Wire gauge (mm²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		
<b>Crimp contacts</b>  silver plated   gold plated 					
	0.14-0.37	<b>09 15 000 6104</b>	<b>09 15 000 6204</b>		
	0.5	<b>09 15 000 6103</b>	<b>09 15 000 6203</b>		
	0.75	<b>09 15 000 6105</b>	<b>09 15 000 6205</b>		
	1.0	<b>09 15 000 6102</b>	<b>09 15 000 6202</b>		
	1.5	<b>09 15 000 6101</b>	<b>09 15 000 6201</b>		
	2.5	<b>09 15 000 6106</b>	<b>09 15 000 6206</b>		
	0.14-0.37	<b>09 15 000 6124</b>	<b>09 15 000 6224</b>		
	0.5	<b>09 15 000 6123</b>	<b>09 15 000 6223</b>		
	0.75	<b>09 15 000 6125</b>	<b>09 15 000 6225</b>		
	1.0	<b>09 15 000 6122</b>	<b>09 15 000 6222</b>		
	1.5	<b>09 15 000 6121</b>	<b>09 15 000 6221</b>		
	2.5	<b>09 15 000 6126</b>	<b>09 15 000 6226</b>		
<b>FOC contacts</b> for 1 mm plastic fibre					
		<b>20 10 001 3213</b>	<b>20 10 001 3222</b>		

Stock items in bold type



Number of contacts

24+



Inserts






Han D/DD

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Order crimp contacts separately	Han DD®	<b>09 16 024 3001</b>	<b>09 16 024 3101</b>	<p>1) Distance for contact max. 21 mm</p> <p>Contact arrangement View from termination side</p> <p>Panel cut out for inserts for use without hoods/housings</p>	

Identification	Wire gauge (mm²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		
<b>Crimp contacts</b>  silver plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	<b>09 15 000 6104</b> <b>09 15 000 6103</b> <b>09 15 000 6105</b> <b>09 15 000 6102</b> <b>09 15 000 6101</b> <b>09 15 000 6106</b>	<b>09 15 000 6204</b> <b>09 15 000 6203</b> <b>09 15 000 6205</b> <b>09 15 000 6202</b> <b>09 15 000 6201</b> <b>09 15 000 6206</b>		
gold plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	<b>09 15 000 6124</b> <b>09 15 000 6123</b> <b>09 15 000 6125</b> <b>09 15 000 6122</b> <b>09 15 000 6121</b> <b>09 15 000 6126</b>	<b>09 15 000 6224</b> <b>09 15 000 6223</b> <b>09 15 000 6225</b> <b>09 15 000 6222</b> <b>09 15 000 6221</b> <b>09 15 000 6226</b>		
<b>FOC contacts</b> for 1 mm plastic fibre		<b>20 10 001 3211</b>	20 10 001 3221		


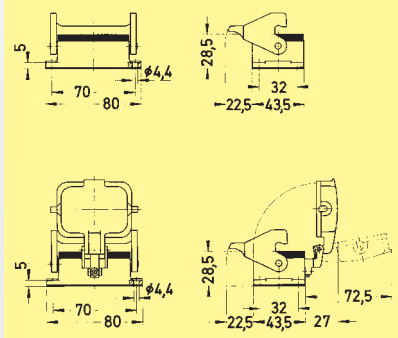

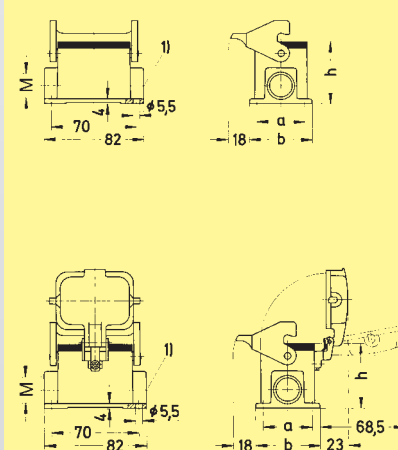

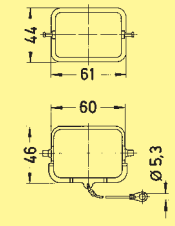
Wire gauge	ø	Stripping length
0.14-0.37 mm²	AWG 26-22	0.90 mm
0.5 mm²	AWG 20	1.10 mm
0.75 mm²	AWG 18	1.30 mm
1 mm²	AWG 18	1.45 mm
1.5 mm²	AWG 16	1.75 mm
2.5 mm²	AWG 14	2.25 mm

Stock items in bold type

Identification	Part No.		M	Drawing	Dimensions in mm	
	Low construction	High construction				
<b>Hoods</b> side-entry 	<b>19 30 006 1540</b> <b>19 30 006 1541</b>		20			
			25			
				25		
				32		
<b>Hoods</b> top-entry 	<b>19 30 006 1440</b>		20			
			25			
				25		
				32		
<b>Protection covers</b> for hoods metal 	<b>09 30 006 5401</b>					
	<b>09 30 006 5423</b>					
<b>Hoods</b> cable to cable 	<b>19 30 006 1750</b>	<b>19 30 006 0756</b>	20			
			25			
<b>Protection cover</b> for cable to cable hood metal 	<b>09 30 006 5427</b>					

Han  
D/DD

Hand / DD

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



Number of contacts

42+




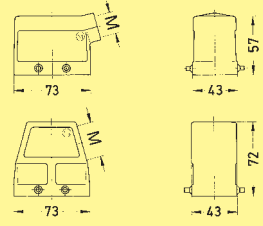

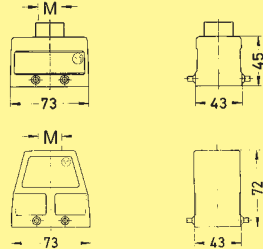

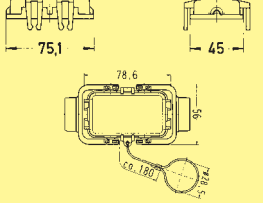





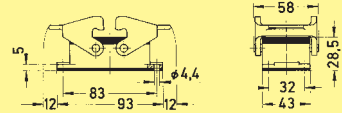
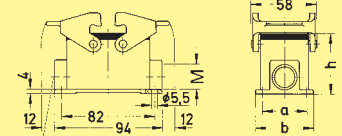

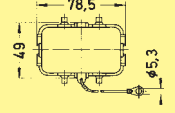
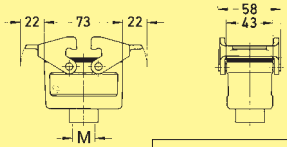
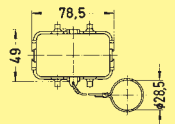
Inserts

Han D/DD


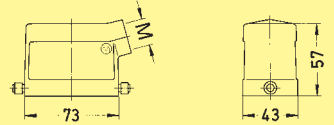



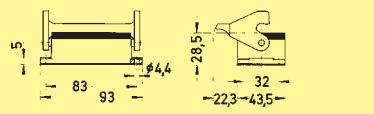

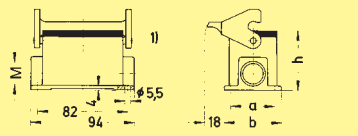

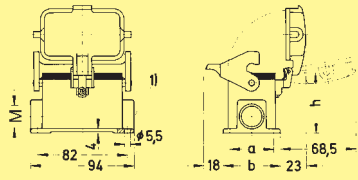

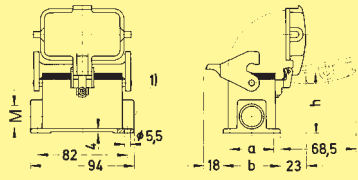

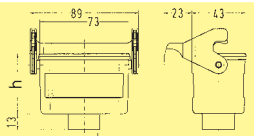
Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Order crimp contacts separately	Han DD®	<b>09 16 042 3001</b>	<b>09 16 042 3101</b>	<p>1) Distance for contact max. 21 mm</p> <p>Contact arrangement View from termination side</p> <p>Panel cut out for inserts for use without hoods/housings</p>	

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

Hand/DD

Identification	Part No.			Drawing	Dimensions in mm												
	Low construction	High construction	M														
<b>Hoods</b> side-entry 	<b>19 30 010 1520</b> <b>19 30 010 1521</b>	<b>19 30 010 0527</b>	20 25 32														
	<b>Hoods</b> top-entry 		<b>19 30 010 1420</b> <b>19 30 010 1421</b>			20 25 32											
			Protection covers for hoods thermoplastic/metal 			09 30 010 5401 <b>09 30 010 5423</b>											
<b>Housings</b> bulkhead mounting  surface mounting  1 side-entry 2 side-entries Protection covers for housings bulkhead/surface mounting thermoplastic/metal  Hoods cable to cable  Protection cover for hoods cable to cable metal 	<b>09 30 010 0301</b>		—	Panel cut out 60 x 35 mm 													
	<b>19 30 010 1230</b> <b>19 30 010 1231</b>	<b>19 30 010 0231</b>	20 25		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>54</td> </tr> <tr> <td>High construction</td> <td>45</td> <td>57</td> <td>81</td> </tr> </tbody> </table>		a	b	h	Low construction	40	52	54	High construction	45	57	81
			a			b	h										
	Low construction	40	52	54													
	High construction	45	57	81													
	<b>19 30 010 1270</b>	<b>19 30 010 0271</b> <b>19 30 010 0272</b>	20 25 32														
<b>09 30 010 5407</b>																	
<b>09 30 010 5425</b>																	
<b>19 30 010 1730</b>			20 25 32		<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>74.5</td> </tr> </tbody> </table>		h	Low construction	47.5	High construction	74.5						
	h																
Low construction	47.5																
High construction	74.5																
<b>09 30 010 5427</b>																	

Stock items in bold type

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

Han  
D/DD

<sup>1)</sup> Blind way for one cable entry

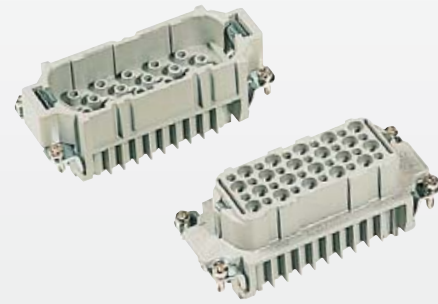
	a	b	h
Low construction	40	52	54
High construction	45	57	81

	h
Low construction	47.5
High construction	74.5

02  
27

Number of contacts

40+



Han  
D/DD

Inserts

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

Crimp terminal

Order crimp contacts separately



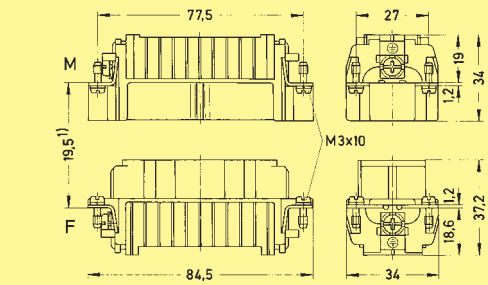
Han D<sup>®</sup>

Male insert (M)

Female insert (F)

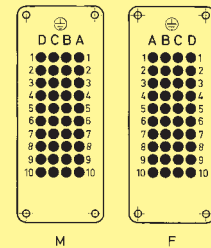
**09 21 040 3001**

**09 21 040 3101**



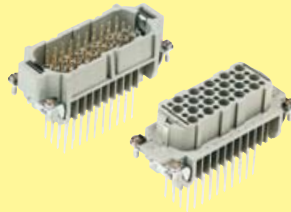
1) Distance for contact max. 21 mm

Contact arrangement  
View from termination side



Wrap terminal

1 x 1 mm



Han D<sup>®</sup>

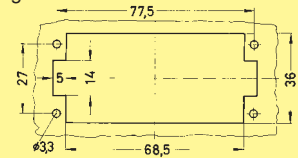
Male insert (M)

Female insert (F)

**09 21 040 2601**

**09 21 040 2701**

Panel cut out for inserts for use without hoods/housings



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

Crimp contacts

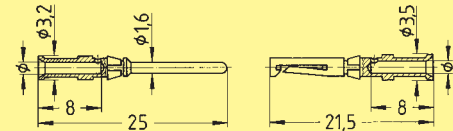
silver plated



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**

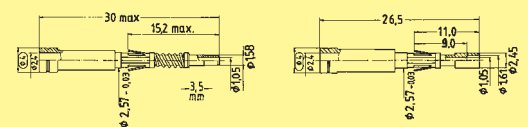
Wire gauge	ø	Stripping length
0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.90 mm
0.5 mm <sup>2</sup>	AWG 20	1.10 mm
0.75 mm <sup>2</sup>	AWG 18	1.30 mm
1 mm <sup>2</sup>	AWG 18	1.45 mm
1.5 mm <sup>2</sup>	AWG 16	1.75 mm
2.5 mm <sup>2</sup>	AWG 14	2.25 mm

FOC contacts

for 1 mm plastic fibre

**20 10 001 3212**

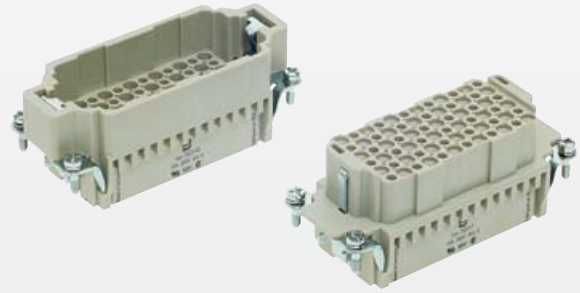
**20 10 001 3222**



Stock items in bold type

Number of contacts

72 +



Inserts


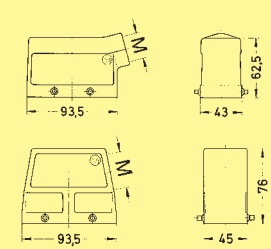
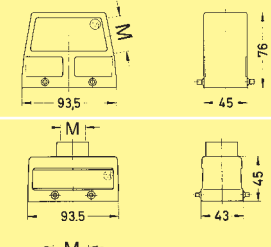
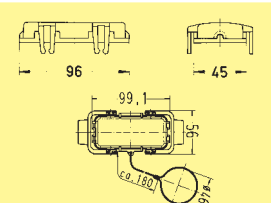

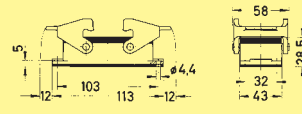
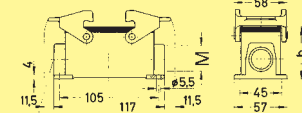

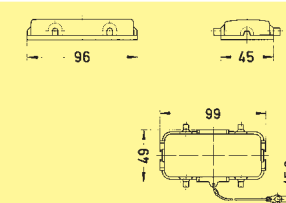

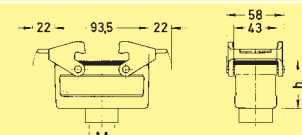

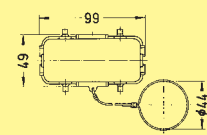
Han  
D/DD

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

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

Stock items in bold type

Hand / DD

Identification	Part No.			Drawing	Dimensions in mm					
	Low construction	High construction	M							
<b>Hoods</b> side-entry 	<b>19 30 016 1521</b> <b>19 30 016 1522</b>	<b>19 30 016 0527</b> <b>19 30 016 0528</b>	25 32		62.5 43					
						<b>19 30 016 1421</b> <b>19 30 016 1422</b>	<b>19 30 016 0427</b> <b>19 30 016 0428</b>	32 40		76 45
	09 30 016 5401  <b>09 30 016 5422</b>				96 45 99.1 95 180 97.4					
<b>Housings</b> bulkhead mounting 	<b>09 30 016 0301</b>		-	Panel cut out 82 x 35 mm 	58 28.5 32 43					
	1 side-entry <b>19 30 016 1231</b>	<b>19 30 016 0232</b>	25 32		58 45 57					
	2 side-entries <b>19 30 016 1271</b>					<b>19 30 016 0271</b> <b>19 30 016 0272</b> <b>19 30 016 0273</b>	25 32 40	Blind way for one cable entry <table border="1"> <thead> <tr> <th></th> <th>h</th> </tr> </thead> <tbody> <tr> <td>Low construction</td> <td>56</td> </tr> <tr> <td>High construction</td> <td>81</td> </tr> </tbody> </table>		h
		h								
	Low construction	56								
	High construction	81								
Protection covers for housings bulkhead mounting thermoplastic/metal 	<b>09 30 016 5405</b>  <b>09 30 016 5425</b>				96 45 99 49 45.3					
Hoods cable to cable 	<b>19 30 016 1731</b>	<b>19 30 016 0736</b> <b>19 30 016 0737</b>	25 32		58 43 47.5 78.5					
Protection cover for hoods cable to cable metal 	<b>09 30 016 5426</b>				99 49 44.4					

Identification	Part No.			Drawing	Dimensions in mm
	Low construction	High construction	M		
Hoods	<b>Hoods side-entry</b> 	<b>19 30 016 1541</b> 19 30 016 1542		25 32	
			<b>19 30 016 0547</b> 19 30 016 0548	32 40	
	<b>Hoods top-entry</b> 	<b>19 30 016 1441</b> 19 30 016 1442		25 32	
			<b>19 30 016 0447</b> 19 30 016 0448	32 40	
Housings	<b>Housings bulkhead mounting</b> 	<b>09 30 016 0307</b>  with thermo-plastic cover <b>09 30 016 0306</b>  with metal cover <b>09 30 016 0318</b>		—	Panel cut out 82 x 35 mm 
	<b>Housings surface mounting</b> 	1 side-entry <b>19 30 016 1251</b>		25 32	
		2 side-entries <b>19 30 016 1291</b>	<b>19 30 016 0252</b>	25 32	
		1 side-entry with thermo-plastic cover <b>19 30 016 1256</b>		25	
		2 side-entries with thermo-plastic cover <b>19 30 016 1296</b>	with thermo-plastic cover <b>19 30 016 0297</b>	25 32	
		2 side-entries with metal cover 19 30 016 2296	19 30 016 7297	25 32	
	<b>Hoods cable to cable</b> 	<b>19 30 016 1751</b>	<b>19 30 016 0757</b>	25 32	

Han  
D/DD

<sup>1)</sup> Blind way for one cable entry

	h
Low construction	56
High construction	81

	h
Low construction	47.5
High construction	78.5

Number of contacts

64+



Han  
D/DD

Inserts

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

Crimp contacts

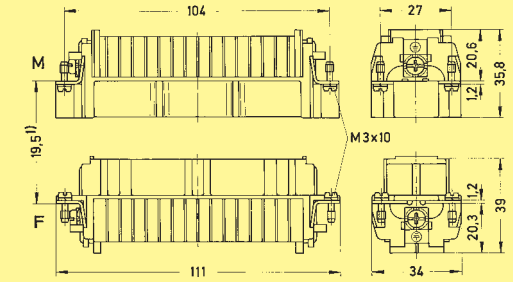
Order crimp contacts separately



Han D®

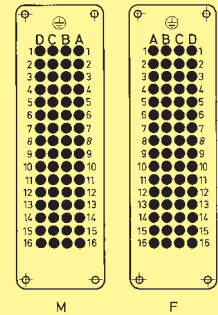
09 21 064 3001

09 21 064 3101

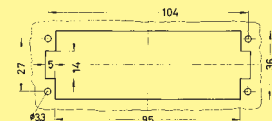


1) Distance for contact max. 21 mm

Contact arrangement  
View from termination side

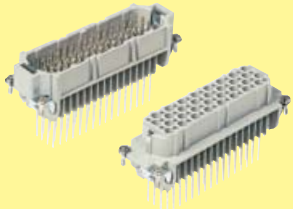


Panel cut out for inserts for use without hoods/housings



Wrap terminal

1 x 1 mm



Han D®

09 21 064 2601

09 21 064 2701

Identification	Wire gauge (mm²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

Crimp contacts

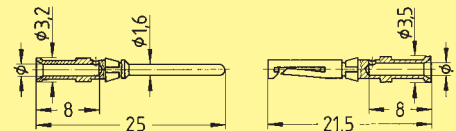
silver plated



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

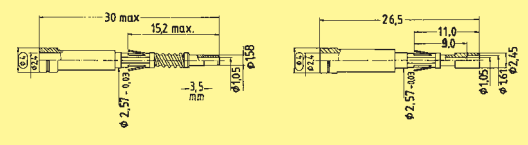
Wire gauge	ø	Stripping length
0.14-0.37 mm²	AWG 26-22	0.90 mm
0.5 mm²	AWG 20	1.10 mm
0.75 mm²	AWG 18	1.30 mm
1 mm²	AWG 18	1.45 mm
1.5 mm²	AWG 16	1.75 mm
2.5 mm²	AWG 14	2.25 mm

FOC contacts

for 1 mm plastic fibre

20 10 001 3212

20 10 001 3222



Stock items in bold type



Number of contacts

108 +



Inserts

Han  
D/DD


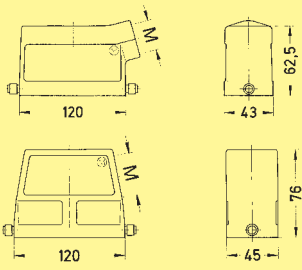

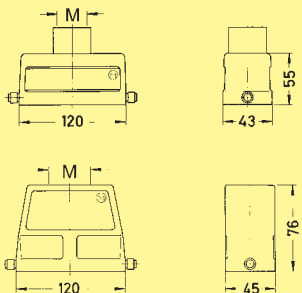

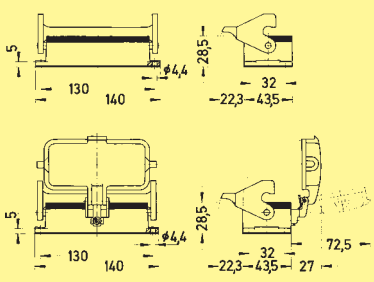

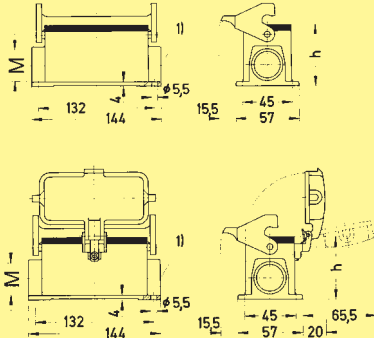


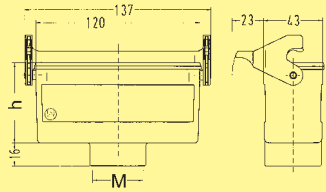
Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Order crimp contacts separately	Han DD®	<b>09 16 108 3001</b>	<b>09 16 108 3101</b>	<p>1) Distance for contact max. 21 mm</p> <p><b>Contact arrangement</b> View from termination side</p>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

Identification	Wire gauge (mm²)	Part No.		Drawing	Dimensions in mm																														
		Male contacts	Female contacts																																
<b>Crimp contacts</b>  silver plated	0.14-0.37	<b>09 15 000 6104</b>	<b>09 15 000 6204</b>	<table border="1"> <thead> <tr> <th>Wire gauge</th> <th></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	0.5	<b>09 15 000 6103</b>	<b>09 15 000 6203</b>
	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																																
0.75	<b>09 15 000 6105</b>	<b>09 15 000 6205</b>																																	
1.0	<b>09 15 000 6102</b>	<b>09 15 000 6202</b>																																	
1.5	<b>09 15 000 6101</b>	<b>09 15 000 6201</b>																																	
2.5	<b>09 15 000 6106</b>	<b>09 15 000 6206</b>																																	
gold plated	0.14-0.37	<b>09 15 000 6124</b>	<b>09 15 000 6224</b>																																
	0.5	<b>09 15 000 6123</b>	<b>09 15 000 6223</b>																																
	0.75	<b>09 15 000 6125</b>	<b>09 15 000 6225</b>																																
	1.0	<b>09 15 000 6122</b>	<b>09 15 000 6222</b>																																
	1.5	<b>09 15 000 6121</b>	<b>09 15 000 6221</b>																																
	2.5	<b>09 15 000 6126</b>	<b>09 15 000 6226</b>																																
<b>FOC contacts</b> for 1 mm plastic fibre		<b>20 10 001 3211</b>	20 10 001 3221																																

Stock items in bold type

Hand/DD

Identification	Part No.			Drawing	Dimensions in mm
	Low construction	High construction	M		
Hoods	<b>Hoods side-entry</b> 	<b>19 30 024 1521</b> <b>19 30 024 1522</b>	<b>19 30 024 0527</b> <b>19 30 024 0528</b>	25 32	
	<b>Hoods top-entry</b> 	<b>19 30 024 1422</b>	<b>19 30 024 0427</b>  <b>19 30 024 0428</b>	32  40	
	<b>Protection covers for hoods thermoplastic/metal</b> 	<b>09 30 024 5401</b>  <b>09 30 024 5422</b>			
Housings	<b>Housing bulkhead mounting</b> 	<b>09 30 024 0301</b>		—	Panel cut out 108 x 35 mm 
	<b>Housings surface mounting</b>				
	1 side-entry <b>19 30 024 1231</b>		<b>19 30 024 0232</b>	25 32	
	2 side-entries <b>19 30 024 1271</b>		<b>19 30 024 0272</b> <b>19 30 024 0273</b>	25 32 40	
	<b>Protection covers for housings bulkhead/surface mounting thermoplastic/metal</b> 	<b>09 30 024 5405</b>  <b>09 30 024 5425</b>			
	<b>Hoods cable to cable</b> 	<b>19 30 024 1732</b>	<b>19 30 024 0737</b> <b>19 30 024 0738</b>	32 40	
	<b>Protection cover for hoods metal</b> 	<b>09 30 024 5426</b>			

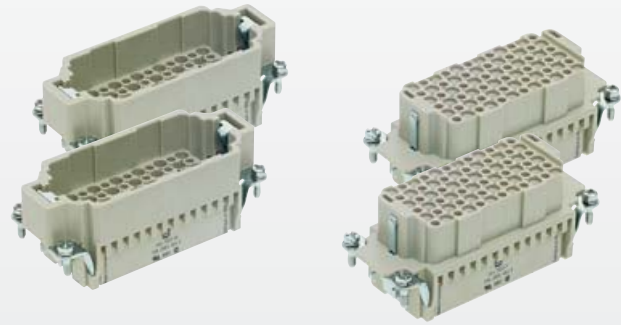
Identification	Part No.			Drawing	Dimensions in mm										
	Low construction	High construction	M												
Hoods side-entry		<b>19 30 024 1541</b> <b>19 30 024 1542</b>		25 32											
			<b>19 30 024 0547</b> <b>19 30 024 0548</b>	32 40											
Hoods top-entry		<b>19 30 024 1442</b>	<b>19 30 024 0447</b>	32											
			<b>19 30 024 0448</b>	40											
Housings bulkhead mounting		<b>09 30 024 0307</b> with thermo- plastic cover <b>09 30 024 0304</b>		—	Panel cut out 108 x 35 mm 										
		with metal cover <b>09 30 024 0318</b>		—											
				—											
	Housings 	1 side-entry	19 30 024 1251		25										
		2 side-entries	19 30 024 1291	<b>19 30 024 0292</b>	25 32										
1 side-entry		with thermoplastic cover 19 30 024 1256		25											
2 side-entries		with thermoplastic cover <b>19 30 024 1296</b>	with thermoplastic cover <b>19 30 024 0297</b>	25 32											
	2 side-entries	with metal cover <b>19 30 024 2296</b>	19 30 024 7297	25 32											
	2 side-entries														
Hoods cable to cable		<b>19 30 024 1752</b>	<b>19 30 024 0757</b>	32	 <table border="1" data-bbox="1117 1680 1308 1792"> <tr><td>Low construction</td><td>h</td></tr> <tr><td>High construction</td><td>56</td></tr> </table> <table border="1" data-bbox="1117 2016 1308 2094"> <tr><td>Low construction</td><td>h</td></tr> <tr><td>High construction</td><td>57.5</td></tr> <tr><td>High construction</td><td>78.5</td></tr> </table>	Low construction	h	High construction	56	Low construction	h	High construction	57.5	High construction	78.5
Low construction	h														
High construction	56														
Low construction	h														
High construction	57.5														
High construction	78.5														

Han  
D/DD



Number of contacts

144 +



Inserts

Han  
D/DD


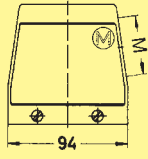
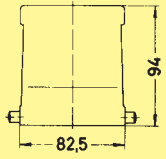

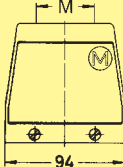
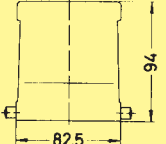
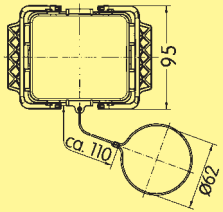

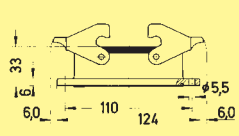
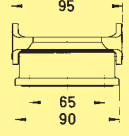

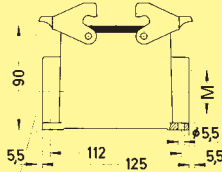
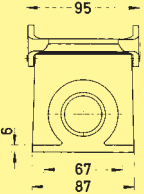

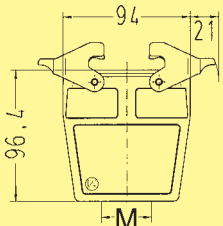
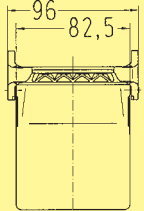
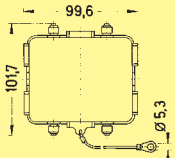
Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Order crimp contacts separately	Han DD®			Dimensions for inserts see page 02.29.	
	1- 72 73-144	<b>09 16 072 3001</b> <b>09 16 072 3011</b>	<b>09 16 072 3101</b> <b>09 16 072 3111</b>	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		
<b>Crimp contacts</b>  silver plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	<b>09 15 000 6104</b> <b>09 15 000 6103</b> <b>09 15 000 6105</b> <b>09 15 000 6102</b> <b>09 15 000 6101</b> <b>09 15 000 6106</b>	<b>09 15 000 6204</b> <b>09 15 000 6203</b> <b>09 15 000 6205</b> <b>09 15 000 6202</b> <b>09 15 000 6201</b> <b>09 15 000 6206</b>		
gold plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5	<b>09 15 000 6124</b> <b>09 15 000 6123</b> <b>09 15 000 6125</b> <b>09 15 000 6122</b> <b>09 15 000 6121</b> <b>09 15 000 6126</b>	<b>09 15 000 6224</b> <b>09 15 000 6223</b> <b>09 15 000 6225</b> <b>09 15 000 6222</b> <b>09 15 000 6221</b> <b>09 15 000 6226</b>		
<b>FOC contacts</b> for 1 mm plastic fibre		<b>20 10 001 3211</b>	<b>20 10 001 3221</b>		

Wire gauge	ø	Stripping length
0.14-0.37 mm²	0.90 mm	8 mm
0.5 mm²	1.10 mm	8 mm
0.75 mm²	1.30 mm	8 mm
1 mm²	1.45 mm	8 mm
1.5 mm²	1.75 mm	8 mm
2.5 mm²	2.25 mm	6 mm

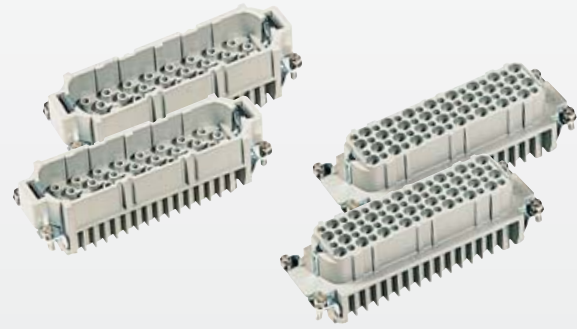
Stock items in bold type

Hand / DD

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

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



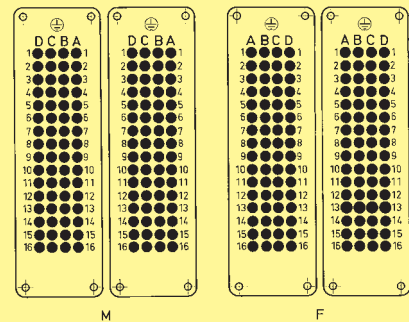
Han D®  
  
1-64  
1-64

**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

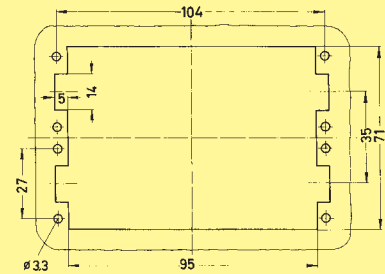


Han D®  
  
1-64  
1-64

**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 (mm²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

**Crimp contacts**

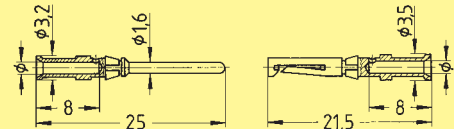
silver plated



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**

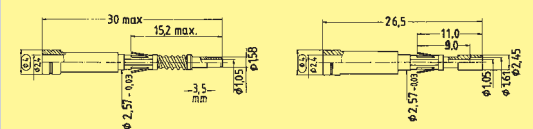
**09 15 000 6224**  
**09 15 000 6223**  
**09 15 000 6225**  
**09 15 000 6222**  
**09 15 000 6221**  
**09 15 000 6226**

Wire gauge	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**

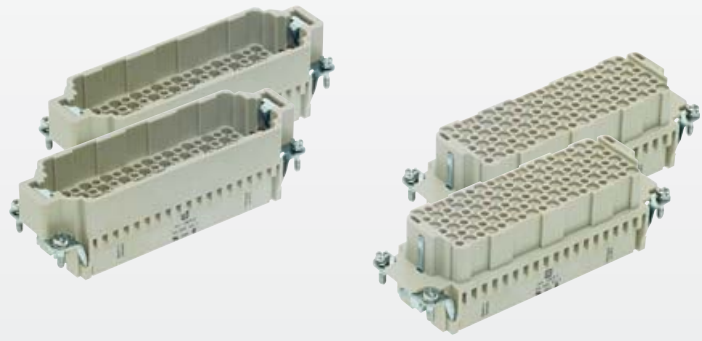
**20 10 001 3222**



Stock items in bold type

Number of contacts

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

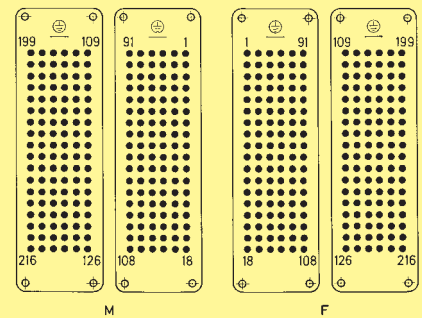
Han DD®  
  
1-108  
109-216

**09 16 108 3001**  
09 16 108 3011

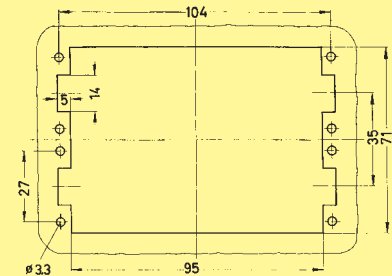
**09 16 108 3101**  
09 16 108 3111

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 (mm²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

**Crimp contacts**

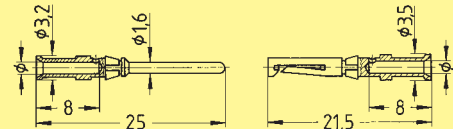
silver plated



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 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

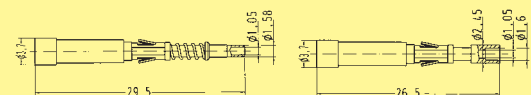
**FOC contacts**

for 1 mm plastic fibre



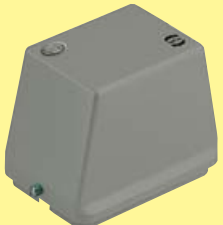
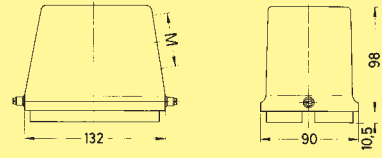

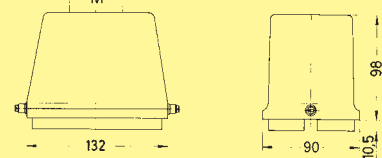

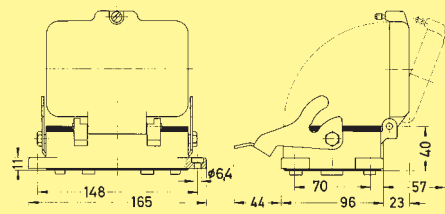
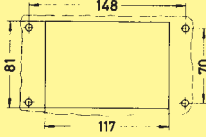


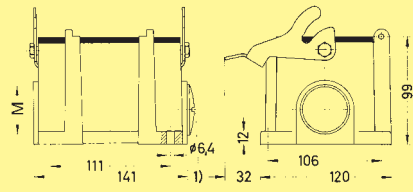
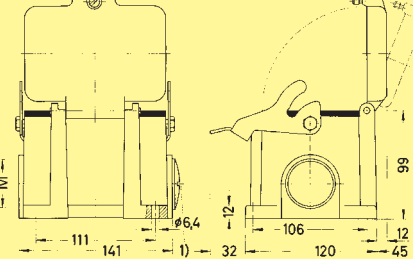
**20 10 001 3211**

20 10 001 3221



Stock items in bold type



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

1) Blind grommet

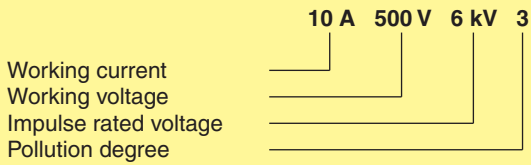
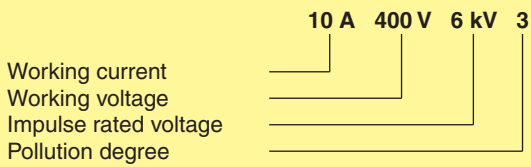
Modified contact arrangement

The connector series Han DD<sup>®</sup> and Han D<sup>®</sup> 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.

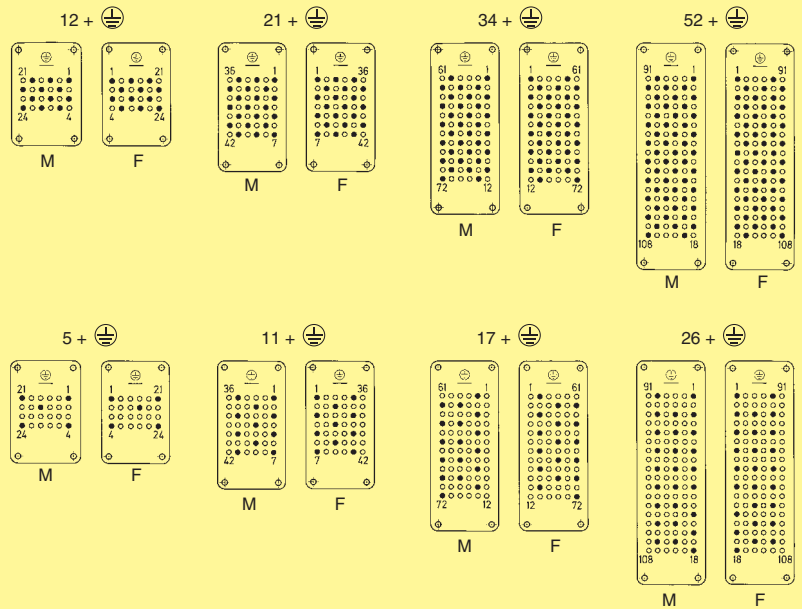
According to DIN EN 61 984 connectors should not be coupled or decoupled under electrical load.

Han  
D/DD

Series Han DD<sup>®</sup>

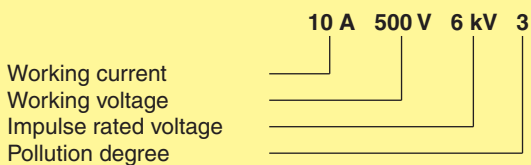


Contact arrangement View from termination side

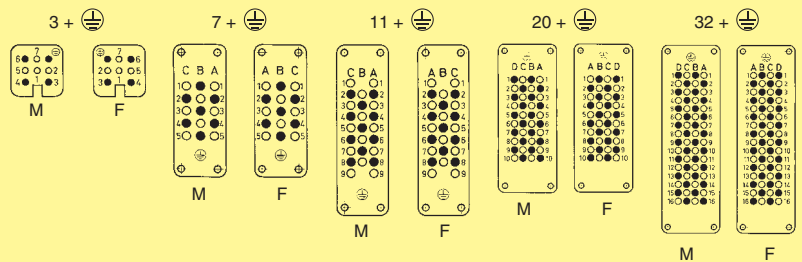


● Working contact    ○ Without contact    M – Male insert    F – Female insert

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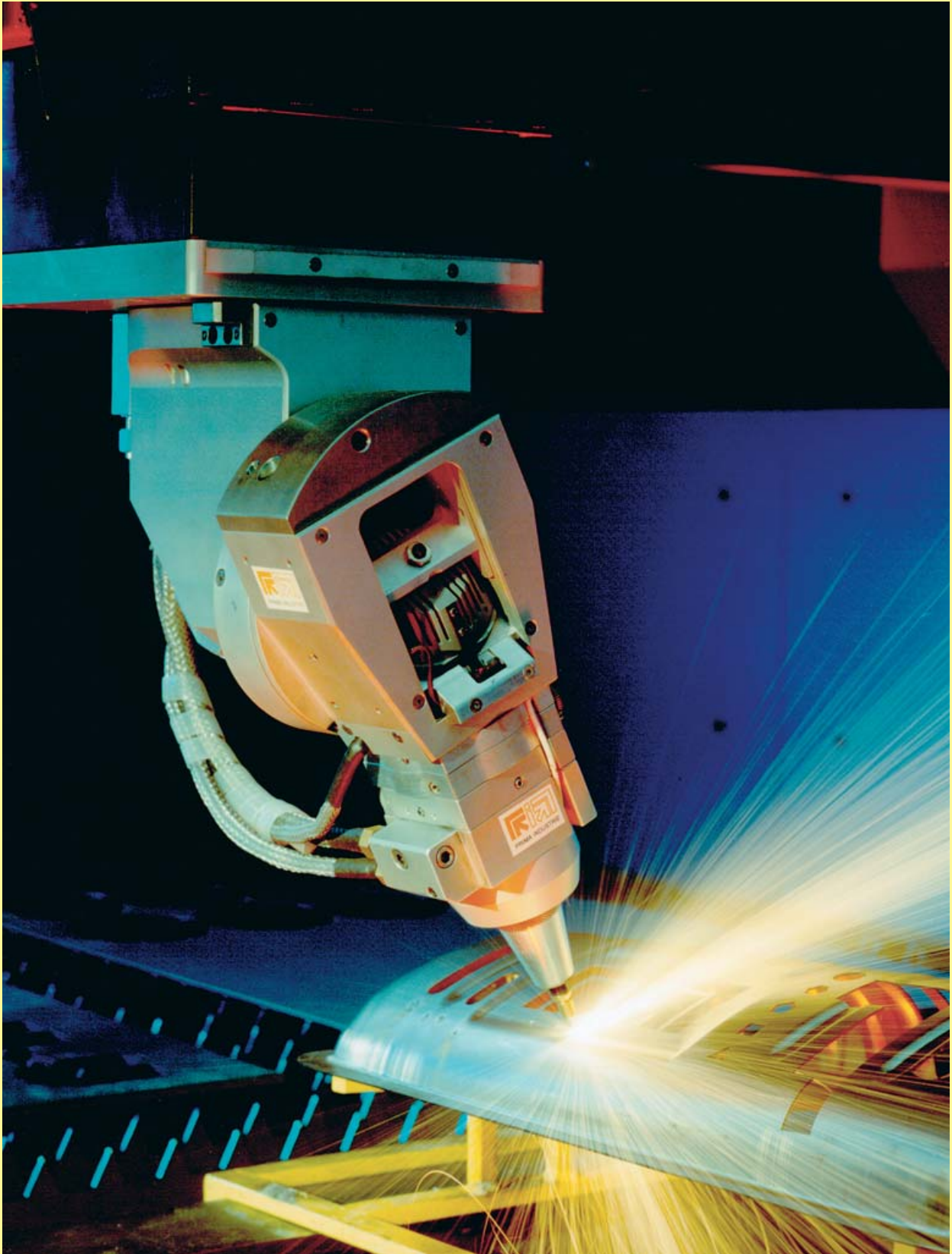


Contact arrangement View from termination side



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





2D and 3D laser cutting machines for industrial applications  
PRIMA INDUSTRIE SpA, Regina Margherita, Italy

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