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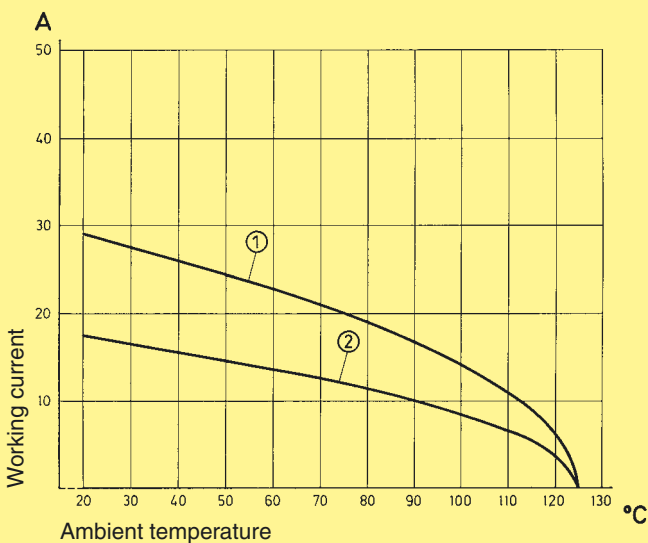
## Features

- ❑ 5 contact chambers for the power contacts of the series Han E® (16 A)
- ❑ Space-saving and compact design
- ❑ Leading protective ground with screw terminal
- ❑ Crimp terminal with standard Han E® contacts
- ❑ Use of standard tools
- ❑ Compatible with metal and plastic hoods of the series Han® 3 A / 4 A
- ❑ The contacts can be removed with the aid of a removal tool from the termination side
- ❑ Degree of protection IP 65<sup>2)</sup>

### 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 Wire gauge: 2.5 mm<sup>2</sup>
- ② Wire gauge: 1.5 mm<sup>2</sup>

## Technical characteristics

**Specifications**  
 DIN VDE 0627  
 DIN VDE 0110  
 DIN EN 61 984

**Approvals**

### Inserts

Number of contacts	5 + PE
Electrical data acc. to DIN EN 61 984	<b>16 A 230/400 V 4 kV 3</b>
Working current	16 A
Working voltage conductor – ground	230/400 V
Working voltage conductor – conductor	4 kV
Rated impulse voltage	3
Pollution degree	2

– Pollution degree 2 also 16 A 320/500 V 4 kV 2

Working voltage according to CSA 600 V

Insulation resistance ≥ 10<sup>10</sup> Ω  
 Material Polycarbonate  
 Limiting temperatures – 40 °C / + 125 °C  
 Flammability acc. to UL 94 V 0  
 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 ≤ 1 mΩ  
 Crimp terminal  
 - mm<sup>2</sup> 0.5 - 2.5 mm<sup>2</sup>  
 - AWG 20 - 14

### Plastic Hoods/Housings

Material Polycarbonate RAL 7032  
 Locking element Polyamide RAL 7032  
 Flammability acc. to UL 94 V 0  
 Hoods/Housings seal NBR  
 Limiting temperatures – 40 °C / + 125 °C  
 Degree of protection acc. to DIN 40 050 for coupled connector IP 67

### Metal Hoods/Housings

Material die cast zinc alloy  
 Locking element steel, galvanized  
 Hoods/Housings seal NBR  
 Limiting temperatures – 40 °C / + 125 °C  
 Degree of protection acc. to DIN 40 050 for coupled connector IP 44  
 IP 67 with sealing screw 09 20 000 9918

Further selection of hoods/housings chapter 30 / chapter 31

### Accessories

Crimping tools chapter 99  
 Cable clamps chapter 40  
 IP 65 fixing screw chapter 40

Number of contacts

5 +



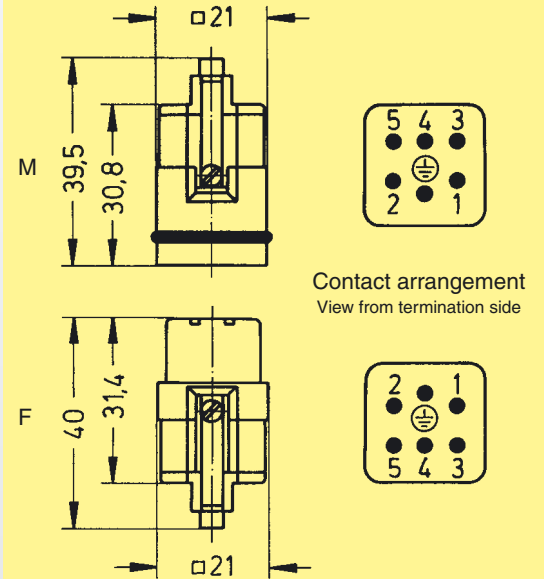
Inserts

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

**Crimp terminal**  
Order crimp contacts separately

**09 12 005 3001**

**09 12 005 3101**



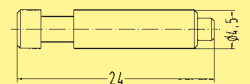
**Coding Pin**



**09 33 000 9954**

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.

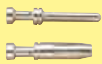


Identification	Wire gauge (mm²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

**Crimp contacts**  
Han E® contacts

Power contacts

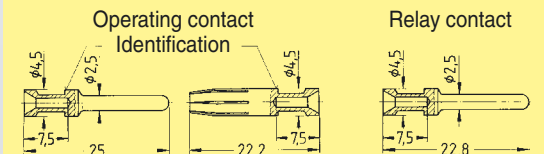
silver plated



0.14-0.37  
0.5  
0.75  
1.0  
1.5  
2.5

**09 33 000 6127\***  
**09 33 000 6121**  
**09 33 000 6114**  
**09 33 000 6105**  
**09 33 000 6104**  
**09 33 000 6102**

**09 33 000 6227\***  
**09 33 000 6220**  
**09 33 000 6214**  
**09 33 000 6205**  
**09 33 000 6204**  
**09 33 000 6202**



Crimp contact identification

Identification	Wire gauge	AWG	Stripping length
no groove	0.14-0.37 mm²	AWG 26-22	7.5 mm
no groove	0.5 mm²	AWG 20	7.5 mm
1 groove*	0.75 mm²	AWG 18	7.5 mm
1 groove	1 mm²	AWG 18	7.5 mm
2 grooves	1.5 mm²	AWG 16	7.5 mm
3 grooves	2.5 mm²	AWG 14	7.5 mm

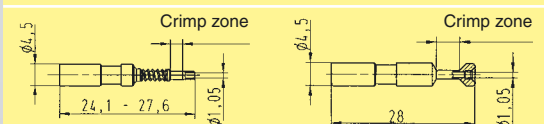
\* on the back crimp collar

**FOC contacts**

for 1 mm plastic fibre

**20 10 001 3311**

**20 10 001 3321**



\* only to be used with BUCHANAN crimping tool 09 99 000 0001 and adjustment gauge 09 99 000 0203

Stock items in bold type

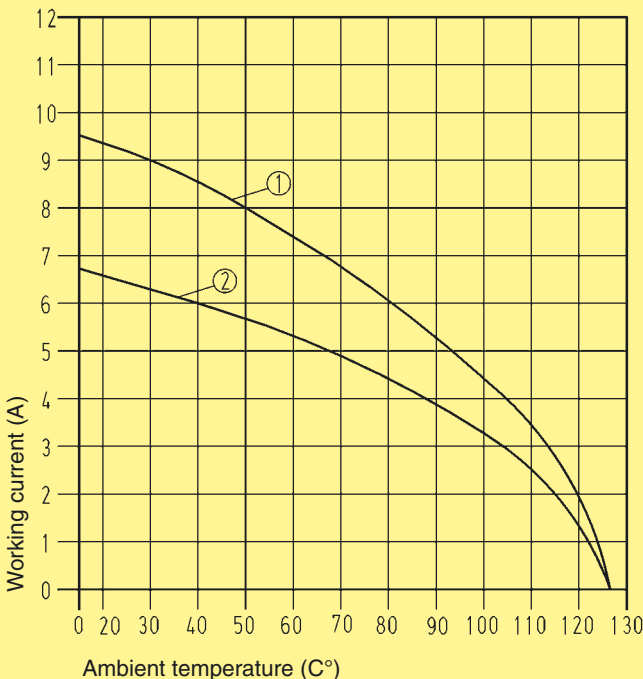
## Features

- ❑ 7 contact chambers taking the control contacts of the series Han D® (10 A)
- ❑ Space-saving and compact design
- ❑ Crimp terminal with standard Han D® contacts
- ❑ Insert is suitable for the hoods and housings of the series Han® 3A
- ❑ The contacts can be removed with the aid of a removal tool from the mating side
- ❑ 6 fold coding by means of a coding pin

## Current carrying capacity

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60512-3.



Wire gauge: ① 1,5 mm<sup>2</sup>  
② 0,75 mm<sup>2</sup>

## Technical characteristics

Specifications	DIN VDE 0627 DIN VDE 0110 DIN EN 61 984								
Approvals									
Inserts	Number of contacts: 7 + PE								
Electrical data acc. to DIN EN 61 984	<table border="1"> <tr> <td>Working current</td> <td>10 A</td> </tr> <tr> <td>Working voltage</td> <td>400 V</td> </tr> <tr> <td>Testing voltage</td> <td>6 kV</td> </tr> <tr> <td>Pollution degree</td> <td>3</td> </tr> </table>	Working current	10 A	Working voltage	400 V	Testing voltage	6 kV	Pollution degree	3
Working current	10 A								
Working voltage	400 V								
Testing voltage	6 kV								
Pollution degree	3								
- Pollution degree 2 also	10 A 230/400 V 6 kV 2								
Working voltage according to UL	600 V								
Insulation resistance	≥ 10 <sup>10</sup> Ω								
Material	Polycarbonate								
Limiting temperatures	- 40 °C / + 125 °C								
Flammability acc. to UL 94	V 0								
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	≤ 3 mΩ								
Crimp terminal	≤ 3 mΩ								
- mm <sup>2</sup>	0.14 - 2.5								
- AWG	26 - 14								
PE screw terminal	2.5								
- mm <sup>2</sup>	14								
- AWG									
Plastic hoods/housings	Material: Polycarbonate								
Locking element	Polyamide								
Flammability acc. to UL 94	V 0								
Hood/Housings seal	NBR								
Limiting temperatures	- 40 °C / + 125 °C								
Degree of protection acc. to DIN EN 60 529 in locked position	IP 67								
Metal hoods/housings	Material: die cast zinc alloy								
Locking element	steel galvanized								
Hoods/Housings seal	NBR								
Limiting temperatures	- 40 °C / + 125 °C								
Degree of protection acc. to DIN EN 60 529 in locked position	IP 44 IP 67 with sealing screw 09 20 000 9918								
Accessories									
Crimping tools	chapter 99								

Number of contacts

7 +



Inserts

Identification	Part No.		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Order crimp contacts separately 	<b>09 12 007 3001</b>	<b>09 12 007 3101</b>		
<b>Coding</b> 	<b>09 12 000 9901</b>	<b>09 12 000 9902</b>		

Identification	Wire gauge (mm²)	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		
<b>Crimp contacts</b> Han D® contacts  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		∅	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

\* partly loaded insert

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	<b>09 20 003 0305<sup>1)</sup></b>				
	without sealing	<b>09 20 003 0306<sup>2)</sup></b>				
	with sealing	<b>09 20 003 0801</b>				
	Housing surface mounting	<b>19 20 003 1250</b>	20			
	1 side-entry	<b>19 20 003 1252</b>	20			
	bottom closed					
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>					

Han Q


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

Identification		Part No.	M	Drawing	Dimensions in mm			
Hoods	Hoods side-entry	grey <b>19 20 003 0620</b> 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 09 20 003 0327	— —					
		grey <b>09 20 003 0820</b> black 09 20 003 0827	— —					
		Housings surface mounting 1 side-entry	grey <b>19 20 003 0220</b> black 19 20 003 0227			20 20		
		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> <b>09 20 003 5446<sup>1)</sup></b> <b>09 20 003 5447<sup>2)3)4)</sup></b>						
for hoods cable to cable C		<b>09 20 003 5448<sup>1)</sup></b>						

<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® male and female insert

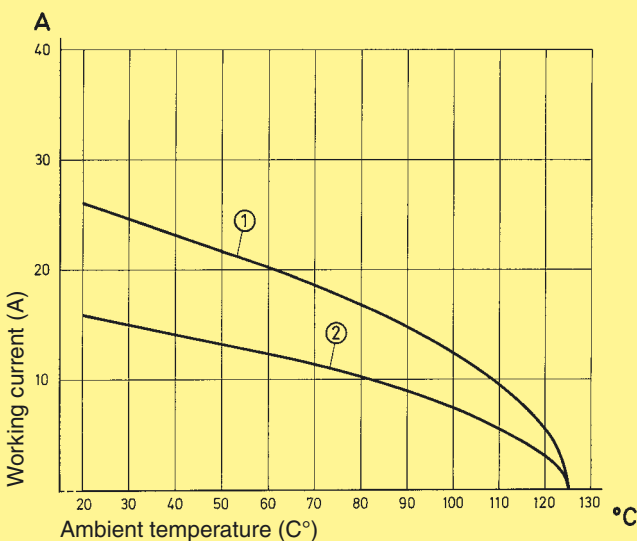
## Features

- ❑ 8 contact chambers taking the Han E® power contacts
- ❑ Space-saving and compact design
- ❑ Leading protective ground
- ❑ Crimp terminal with standard Han E® contacts
- ❑ Use of standard tools
- ❑ Insert is suitable for the hoods and housings of the series Han® Q 8/0
- ❑ The contacts can be removed with the aid of a removal tool from the termination side
- ❑ **DESINA** conform product 

## 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.



Control and test procedures according to DIN IEC 512-3

Wire gauge: ① 2.5 mm<sup>2</sup>  
② 1.5 mm<sup>2</sup>

## Technical characteristics

Specifications	DIN VDE 0627 DIN VDE 0110 DIN EN 61 984
Approvals	
Inserts	8 + PE
Electrical data acc. to DIN EN 61 984	
Mounted plastic hood	<b>16 A 500 V 6 kV 3</b>
Working current	
Working voltage	
Rated impulse voltage	
Pollution degree	
- Pollution degree 2 also	16 A 400/690 V 6 kV 2
Mounted metal hood	<b>16 A 230/400 V 4 kV</b>
Working voltage acc. to UL	500 V
Insulation resistance	≥ 10 <sup>10</sup> Ω
Material	Polycarbonate
Limiting temperatures	- 40 °C / + 125 °C
Flammability acc. to UL 94	V 0
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	< 1 mΩ
Crimp terminal	0.5 - 2.5 mm <sup>2</sup>
- mm <sup>2</sup>	partly loaded up to 4 mm <sup>2</sup> is possible
- AWG	20 - 14

Plastic hoods/housings	
Material	Polycarbonate RAL 9005
Locking element	Polyamide RAL 9005
Flammability acc. to UL 94	V 0
Hood/Housings seal	NBR
Limiting temperatures	- 40 °C / + 125 °C
Degree of protection acc. to DIN EN 60 529 in locked position	IP 65

Metal hoods/housings	
Material	die cast zinc alloy
Locking element	V2A steel
Hoods/Housings seal	NBR
Limiting temperatures	- 40 °C / + 125 °C
Degree of protection acc. to DIN EN 60 529 in locked position	IP 65

Accessories	
Crimping tools	chapter 99



Number of contacts

8 +



Inserts

Identification	Part No.		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Order crimp contacts separately	<b>09 12 008 3001</b>	<b>09 12 008 3101</b>		Contact arrangement View from termination side
<b>Coding Pin</b> 	<b>09 33 000 9954</b>		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 (mm²)	Part No.		Drawing	Dimensions in mm																								
		Male contacts	Female contacts																										
<b>Crimp contacts</b> Han E® contacts				Operating contact Identification 	Relay contact 																								
Power contacts silver plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5 4.0	<b>09 33 000 6127*</b> <b>09 33 000 6121</b> <b>09 33 000 6114</b> <b>09 33 000 6105</b> <b>09 33 000 6104</b> <b>09 33 000 6102</b> <b>09 33 000 6107</b>	<b>09 33 000 6227*</b> <b>09 33 000 6220</b> <b>09 33 000 6214</b> <b>09 33 000 6205</b> <b>09 33 000 6204</b> <b>09 33 000 6202</b> <b>09 33 000 6207</b>	Crimp contact identification <table border="1"> <thead> <tr> <th>Identification</th> <th>Wire gauge</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>no groove</td> <td>0.14-0.37 mm²</td> <td>AWG 26-22</td> </tr> <tr> <td>no groove</td> <td>0.5 mm²</td> <td>AWG 20</td> </tr> <tr> <td>1 groove*</td> <td>0.75 mm²</td> <td>AWG 18</td> </tr> <tr> <td>1 groove</td> <td>1 mm²</td> <td>AWG 18</td> </tr> <tr> <td>2 grooves</td> <td>1.5 mm²</td> <td>AWG 16</td> </tr> <tr> <td>3 grooves</td> <td>2.5 mm²</td> <td>AWG 14</td> </tr> <tr> <td>no groove</td> <td>4.0 mm²</td> <td>AWG 12</td> </tr> </tbody> </table>	Identification	Wire gauge	Stripping length	no groove	0.14-0.37 mm²	AWG 26-22	no groove	0.5 mm²	AWG 20	1 groove*	0.75 mm²	AWG 18	1 groove	1 mm²	AWG 18	2 grooves	1.5 mm²	AWG 16	3 grooves	2.5 mm²	AWG 14	no groove	4.0 mm²	AWG 12	
Identification	Wire gauge	Stripping length																											
no groove	0.14-0.37 mm²	AWG 26-22																											
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1 groove	1 mm²	AWG 18																											
2 grooves	1.5 mm²	AWG 16																											
3 grooves	2.5 mm²	AWG 14																											
no groove	4.0 mm²	AWG 12																											
gold plated	0.14-0.37 0.5 0.75 1.0 1.5 2.5 4.0	<b>09 33 000 6117*</b> <b>09 33 000 6122</b> <b>09 33 000 6115</b> <b>09 33 000 6218</b> <b>09 33 000 6216</b> <b>09 33 000 6223</b> <b>09 33 000 6221</b>	<b>09 33 000 6217*</b> <b>09 33 000 6222</b> <b>09 33 000 6215</b> <b>09 33 000 6218</b> <b>09 33 000 6216</b> <b>09 33 000 6221</b>																										
Relay contacts silver plated	0.75-1 1.5 2.5	<b>09 33 000 6109</b> <b>09 33 000 6110</b> <b>09 33 000 6111</b>																											
<b>FOC contacts</b> for 1 mm plastic fibre		<b>20 10 001 3311</b>	<b>20 10 001 3321</b>																										

\* only to be used with BUCHANAN crimping tool 09 99 000 0001 and adjustment gauge 09 99 000 0203

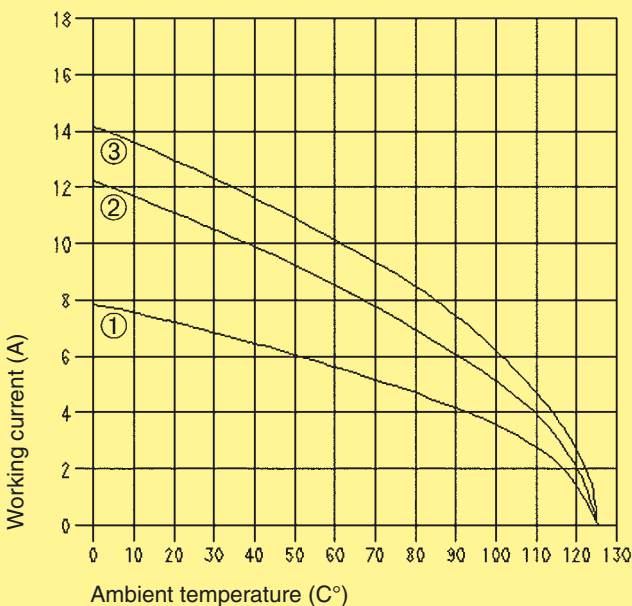
## Features

- ❑ 17 contact chambers taking the control contacts of the series Han D® (10 A)
- ❑ Space-saving and compact design
- ❑ Leading protective ground
- ❑ Crimp terminal with standard Han D® contacts
- ❑ Use of standard tools
- ❑ Insert is suitable for the hoods and housings of the series Han-Compact®
- ❑ The contacts can be removed with the aid of a removal tool from the mating side

## 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.



Wire gauge: ① 0.5 mm<sup>2</sup>  
 ② 1.0 mm<sup>2</sup>  
 ③ 1.5 mm<sup>2</sup>

## Technical characteristics

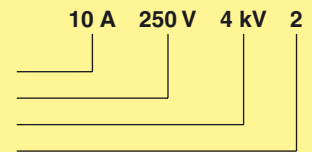
Specifications DIN EN 61 984  
 DIN VDE 0110

Approvals

### Inserts

Number of contacts 17 + PE

Electrical data acc. to DIN EN 61 984



Working current  
 Working voltage  
 Testing voltage  
 Pollution degree

Working voltage acc. to UL 250 V

Insulation resistance  $\geq 10^{10} \Omega$   
 Material Polycarbonate  
 Limiting temperatures  $-40 \text{ }^\circ\text{C} / +125 \text{ }^\circ\text{C}$   
 Flammability acc. to UL 94 V 0  
 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  
 Crimp terminal < 3 m $\Omega$   
 - mm<sup>2</sup> 0.14 - 2.5 mm<sup>2</sup>  
 - AWG 26 - 14

### Plastic hoods/housings

Material Polycarbonate RAL 9005  
 Locking element Polyamide  
 Flammability acc. to UL 94 V 0  
 Hood/Housings seal NBR  
 Limiting temperatures  $-40 \text{ }^\circ\text{C} / +125 \text{ }^\circ\text{C}$   
 Degree of protection acc. to DIN EN 40 050  
 in locked position IP 65  
 Cable gland Pg 16, M 25

### Metal hoods/housings

Material die cast zinc alloy  
 Locking element V2A steel  
 Hoods/Housings seal NBR  
 Limiting temperatures  $-40 \text{ }^\circ\text{C} / +125 \text{ }^\circ\text{C}$   
 Degree of protection acc. to DIN EN 60 529  
 in locked position IP 65

### Accessories

Crimping tools chapter 99

Number of contacts

17 +



Inserts

Identification	Part No.		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
<p><b>Crimp terminal</b> Order crimp contacts separately</p>	<b>09 12 017 3001</b>	<b>09 12 017 3101</b>		<p>View from termination side</p>

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

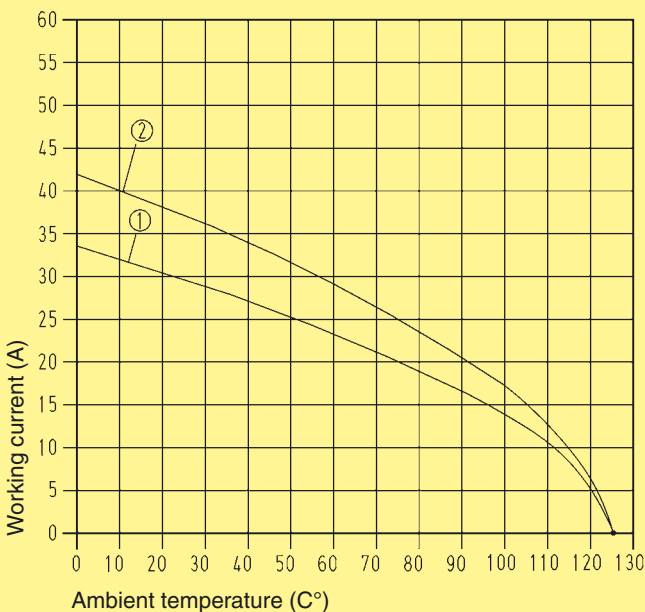
## Features

- ❑ 2 power contacts Han D® 10 A  
4 signal contacts Han® C 40 A
- ❑ Leading protective ground
- ❑ Protection against contact with the fingers acc. IEC 60 529
- ❑ Insert is suitable for the hoods and housings of the series Han-Compact® (not suitable for 19 12 008 0501, 09 12 008 0301)
- ❑ The power contacts can be removed with the aid of a removal tool from the termination side
- ❑ 3 coding possibilities by using a coding pin instead of the fixing screw

## 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.



Wire gauge ① 2,5 mm<sup>2</sup>  
② 4 mm<sup>2</sup>

## Technical characteristics

**Specifications**  
DIN VDE 0627  
DIN VDE 0110  
DIN EN 61 984

**Approvals**

### Inserts

Number of contacts 4/2 + PE

Electrical data acc. to DIN EN 61 984

Power area	40 A	400/690 V	6 kV	3
Working current	40 A	400/690 V	6 kV	3
Working voltage	40 A	400/690 V	6 kV	3
Rated impulse voltage	40 A	400/690 V	6 kV	3
Pollution degree	40 A	400/690 V	6 kV	3

Signal area	10 A	250 V	4 kV	3
Working current	10 A	250 V	4 kV	3
Working voltage	10 A	250 V	4 kV	3
Rated impulse voltage	10 A	250 V	4 kV	3
Pollution degree	10 A	250 V	4 kV	3

Working voltage acc. to UL 600/250 V

Insulation resistance  $\geq 10^{10} \Omega$   
Material Polycarbonate  
Limiting temperatures  $-40 \text{ }^\circ\text{C} / +125 \text{ }^\circ\text{C}$   
Flammability acc. to UL 94 V 0  
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  $\leq 0.3 \text{ m}\Omega$

Crimp terminal  
- mm<sup>2</sup> 1.5 - 6 mm<sup>2</sup> / 0.14 - 2.5 mm<sup>2</sup>  
- AWG 16 - 10 / 26 - 14

Max. insulation - Power contacts  $\varnothing = 5 \text{ mm}$

### Plastic hoods/housings

Material Polycarbonate RAL 9005  
Locking element Polyamide RAL 9005  
Flammability acc. to UL 94 V 0  
Hood/Housings seal NBR  
Limiting temperatures  $-40 \text{ }^\circ\text{C} / +125 \text{ }^\circ\text{C}$   
Degree of protection acc. to DIN EN 60 529 in locked position IP 65

### Accessories

Crimping tools chapter 99

Number of contacts

4/2 +



Inserts

Identification	Part No.		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
<p><b>Crimp terminal</b> Order crimp contacts separately</p>	<b>09 12 006 3041</b>	<b>09 12 006 3141</b>		<p><b>Contact arrangement</b> View from termination side</p>

Identification	Wire gauge (mm <sup>2</sup> )	Part No.		Drawing	Dimensions in mm																												
		Male contacts	Female contacts																														
<p><b>Crimp contacts</b> Han C® contacts Power contacts silver plated</p>	2.5 4.0 6.0	<b>09 32 000 6105</b> <b>09 32 000 6107</b> <b>09 32 000 6108</b>	<b>09 32 000 6205</b> <b>09 32 000 6207</b> <b>09 32 000 6208</b>	<table border="1"> <thead> <tr> <th colspan="2">Wire gauge</th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>2.5 mm<sup>2</sup></td> <td>AWG 14</td> <td>2.25</td> <td>9</td> </tr> <tr> <td>4.0 mm<sup>2</sup></td> <td>AWG 12</td> <td>2.85</td> <td>9.6</td> </tr> <tr> <td>6.0 mm<sup>2</sup></td> <td>AWG 10</td> <td>3.5</td> <td>9.6</td> </tr> </tbody> </table>	Wire gauge		∅	Stripping length	2.5 mm <sup>2</sup>	AWG 14	2.25	9	4.0 mm <sup>2</sup>	AWG 12	2.85	9.6	6.0 mm <sup>2</sup>	AWG 10	3.5	9.6													
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Han Q

Identification		Part No.	Drawing	Dimensions in mm																	
Hoods	Hood thermoplastic Cable gland order separately	09 12 008 0527	Pg 16																		
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	Hood thermoplastic Cable gland order separately	09 12 008 0428	PAFS 18	 																	
	Cable seal thermoplastic for hoods Thrust bolt and insert	09 00 000 5059 19 12 000 5157 19 12 000 5158	Pg 16 M 25 M 25	 <table border="1"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">Colour</th> <th rowspan="2">SW</th> <th colspan="2">Cable</th> </tr> <tr> <th>min.</th> <th>max.</th> </tr> </thead> <tbody> <tr> <td>Pg 16</td> <td rowspan="3">white</td> <td rowspan="3">24</td> <td>11.5 mm</td> <td>15.5 mm</td> </tr> <tr> <td>M 25</td> <td>10.5 mm</td> <td>14 mm</td> </tr> <tr> <td>M 25</td> <td>14 mm</td> <td>17 mm</td> </tr> </tbody> </table>		Colour	SW	Cable		min.	max.	Pg 16	white	24	11.5 mm	15.5 mm	M 25	10.5 mm	14 mm	M 25	14 mm
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Pg 16	white	24	11.5 mm	15.5 mm																	
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Cable seal thermoplastic for housings Thrust bolt and insert	09 00 000 5058	Pg 16																			
Hood metal Cable gland order separately	19 12 008 0501	M 25																			
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Han Q

Identification		Part No.	Drawing	Dimensions in mm					
Housings	Housing surface mounting thermoplastic angled Cable gland order separately	<b>09 12 008 0901</b>	Pg 16						
	Housing bulkhead mounting thermoplastic angled	<b>09 12 008 0902</b>							
	Housing bulkhead mounting thermoplastic	<b>09 12 008 0327</b>							
	Housing bulkhead mounting metal	<b>09 12 008 0301</b>							
	Housing cable to cable thermoplastic Cable gland order separately	<b>09 12 008 0727</b> <b>19 12 008 0729</b>	Pg 16 M 25	 <table border="1" style="float: right;"> <tr> <td>h</td> <td>g</td> </tr> <tr> <td>13</td> <td>Pg 16</td> </tr> <tr> <td>14</td> <td>M 25x1.5</td> </tr> </table>	h	g	13	Pg 16	14
h	g								
13	Pg 16								
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Han Q

Identification		Part No.	Drawing	Dimensions in mm
Protection covers thermoplastic		for male insert without sealing <b>09 12 008 5407</b>	for female insert with sealing <b>09 12 008 5408</b>	
Gasket Han® Q 8/0		<b>09 12 000 9912</b>		



Worm gear motor used as servodrive with integrated motor connector Han-Drive®  
Flender-Himmelwerk GmbH