

## Description

Han® High Temp is a new product series that is based on our well-established Han® B and Han® E series. We used high-quality materials with wide temperature ranges to produce connectors that are uniquely suited for a wide variety of applications.

These connectors can withstand temperatures up to 200 °C – so they can be used directly in machines and facilities that would otherwise require cumbersome and complex constructions.

For our users, this delivers direct advantages:

- The electro-mechanical design process is optimized.  
Machine parts which are exposed to high temperatures can be designed modularly.
- The work process is optimized  
since lower wiring complexity results in reduced maintenance costs.
- The after-sales phase is optimized  
because this more service-friendly approach results in less outages and down times.

## Design overview

The basic structure of the Han® High Temp connector consists of a bulkhead mounted housing and a cable-side hood.

Hoods and housings:

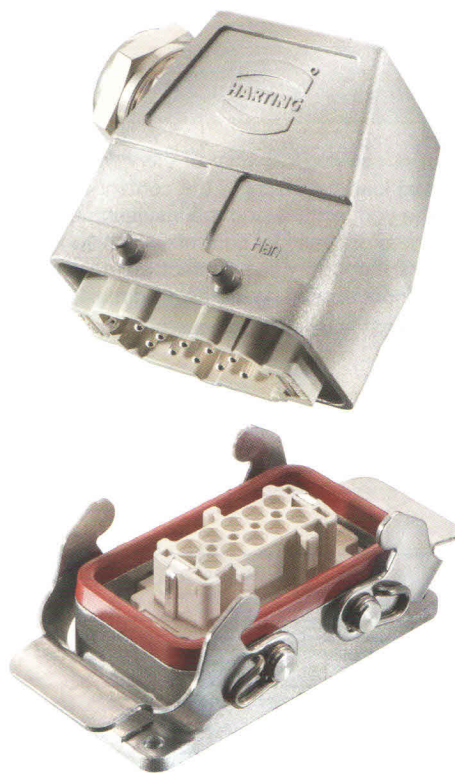
The aluminium die-cast hoods and housings feature a highly compressed surface with excellent non-stick properties. It also has a special non-stick coating on the bulkhead-side seal which allows easy handling without significant sticking.

Inserts:

The Han® High Temp series features very rugged contact inserts, which are really the heart of any connector. The LCP injection-moulded insert delivers outstanding temperature resistance coupled with excellent mechanical stability.

Contacts:

Our new temperature resistant contacts, for either screw or crimp terminations, ensure reliable connections with minimal contact resistance even at extreme temperatures.



**Han® High Temp connectors  
remain robust and reliable for their entire lifespan!**


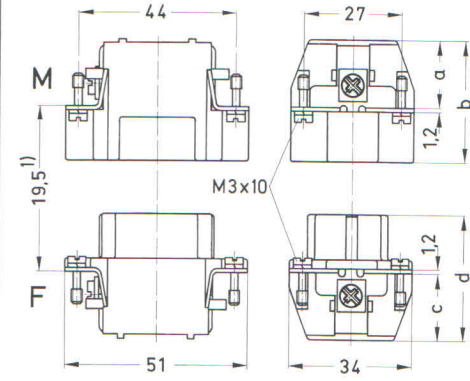
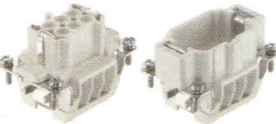
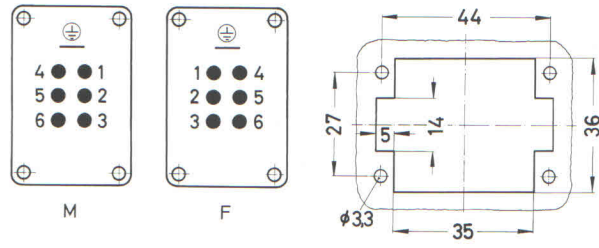



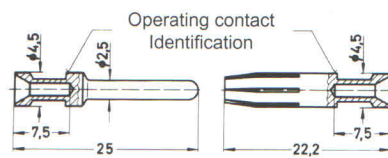


Number of contacts

6 +

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Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
Screw termination with wire protection 	09 33 806 2601	09 33 806 2701	 <p>1) Distance for contact max. 21 mm</p>	a = 19.7 mm b = 34.7 mm c = 21.0 mm d = 37.0 mm
Crimp termination Crimp contacts order separately 	09 33 806 2602	09 33 806 2702	 <p>Contact arrangement view from termination side</p> <p>Panel cut out</p>	

Identification	Wire gauge (mm <sup>2</sup> )	Part number		Drawing	Dimensions in mm																		
		Male contact	Female contact																				
Han® High Temp contacts 	0.5 0.75 1.0 1.5 2.5	09 33 800 6121 09 33 800 6114 09 33 800 6105 09 33 800 6104 09 33 800 6102	09 33 800 6220 09 33 800 6214 09 33 800 6205 09 33 800 6204 09 33 800 6202		<table border="1"> <thead> <tr> <th>Wire gauge</th> <th>Identification</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.5 mm<sup>2</sup></td> <td>AWG 20</td> <td>no groove</td> </tr> <tr> <td>0.75 mm<sup>2</sup></td> <td>AWG 18</td> <td>1 groove*</td> </tr> <tr> <td>1.0 mm<sup>2</sup></td> <td>AWG 18</td> <td>1 groove</td> </tr> <tr> <td>1.5 mm<sup>2</sup></td> <td>AWG 16</td> <td>2 grooves</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>AWG 14</td> <td>3 grooves</td> </tr> </tbody> </table> <p>* on the back crimp collar</p>	Wire gauge	Identification	Stripping length	0.5 mm <sup>2</sup>	AWG 20	no groove	0.75 mm <sup>2</sup>	AWG 18	1 groove*	1.0 mm <sup>2</sup>	AWG 18	1 groove	1.5 mm <sup>2</sup>	AWG 16	2 grooves	2.5 mm <sup>2</sup>	AWG 14	3 grooves
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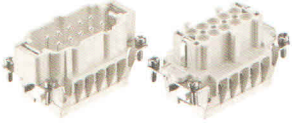
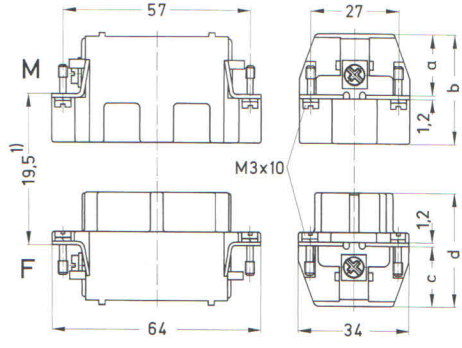
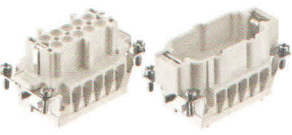
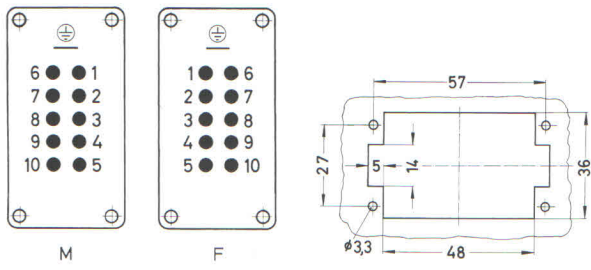
Identification	Part number		Cable entry metric	Drawing	Dimensions in mm
	Low construction	High construction			
Hood side entry	19 62 806 1540		1 x 20		
Hood side entry		19 62 806 0546 19 62 806 0547	1 x 25 1 x 32		
Hood top entry	19 62 806 1440		1 x 20		
Hood top entry		19 62 806 0446 19 62 806 0447	1 x 25 1 x 32		
Identification	Part number		Cable entry metric	Drawing	Dimensions in mm
	Low construction	High construction			
Bulkhead mounted housing	09 62 806 0391				


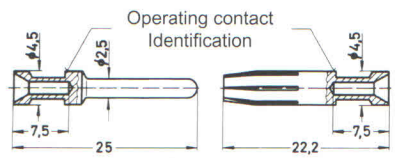



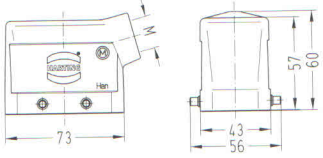

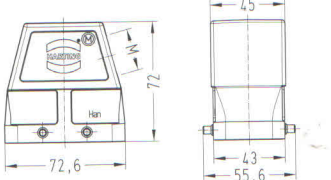

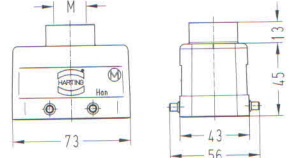

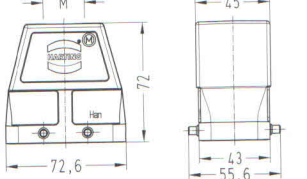
Number of contacts

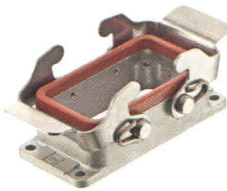
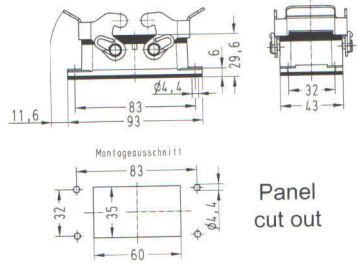
10 +

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Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
<p>Screw termination with wire protection</p> 	09 33 810 2601	09 33 810 2701	 <p>a = 19.7 mm b = 34.7 mm c = 21.0 mm d = 37.0 mm</p> <p>1) Distance for contact max. 21 mm</p>	
<p>Crimp termination Crimp contacts order separately</p> 	09 33 810 2602	09 33 810 2702	 <p>Contact arrangement view from termination side</p> <p>Panel cut out</p>	

Identification	Wire gauge (mm <sup>2</sup> )	Part number		Drawing	Dimensions in mm																							
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<p>Han® High Temp contacts</p> 	0.5	09 33 800 6121	09 33 800 6220		<table border="1"> <thead> <tr> <th>Wire gauge</th> <th>Identifica- tion</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.5 mm<sup>2</sup></td> <td>AWG 20</td> <td>no groove</td> <td>7.5 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup></td> <td>AWG 18</td> <td>1 groove*</td> <td>7.5 mm</td> </tr> <tr> <td>1.0 mm<sup>2</sup></td> <td>AWG 18</td> <td>1 groove</td> <td>7.5 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup></td> <td>AWG 16</td> <td>2 grooves</td> <td>7.5 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>AWG 14</td> <td>3 grooves</td> <td>7.5 mm</td> </tr> </tbody> </table> <p>* on the back crimp collar</p>	Wire gauge	Identifica- tion	Stripping length	0.5 mm <sup>2</sup>	AWG 20	no groove	7.5 mm	0.75 mm <sup>2</sup>	AWG 18	1 groove*	7.5 mm	1.0 mm <sup>2</sup>	AWG 18	1 groove	7.5 mm	1.5 mm <sup>2</sup>	AWG 16	2 grooves	7.5 mm	2.5 mm <sup>2</sup>	AWG 14	3 grooves	7.5 mm
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Identification	Part number		Cable entry metric	Drawing	Dimensions in mm
	Low construction	High construction			
Hood side entry 	19 62 810 1520		1 x 20		
Hood side entry 		19 62 810 0526 19 62 810 0527	1 x 25 1 x 32		
Hood top entry 	19 62 810 1420 19 62 810 1421		1 x 20 1 x 25		
Hood top entry 		19 62 810 0426 19 62 810 0427	1 x 25 1 x 32		

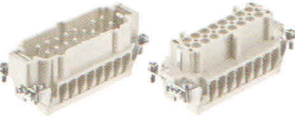
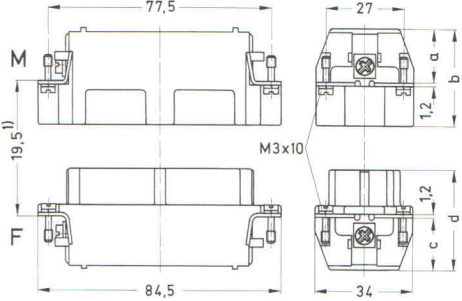
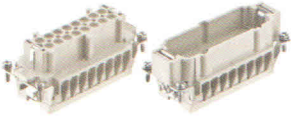
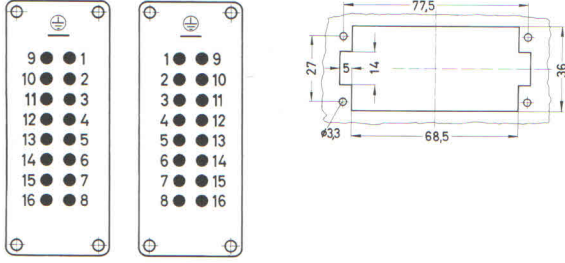
Identification	Part number		Cable entry metric	Drawing	Dimensions in mm
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Bulkhead mounted housing 	09 62 810 0391				


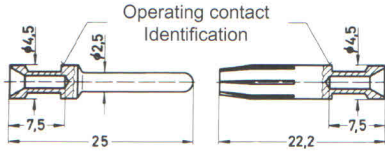


Number of contacts

16 +

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Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
<p>Screw termination with wire protection</p> 	09 33 816 2601	09 33 816 2701	 <p>1) Distance for contact max. 21 mm</p> <p>a = 19.7 mm b = 34.7 mm c = 21.0 mm d = 37.0 mm</p>	
<p>Crimp termination Crimp contacts order separately</p> 	09 33 816 2602	09 33 816 2702	 <p>Panel cut out</p>	

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Identification	Part number		Cable entry metric	Drawing	Dimensions in mm
	Low construction	High construction			
Hood side entry	19 62 816 1521		1 x 20		
Hood side entry		19 62 816 0527	1 x 32		
Hood top entry	19 62 816 1421		1 x 25		
Hood top entry		19 62 816 0427	1 x 32		

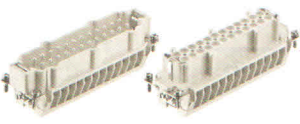
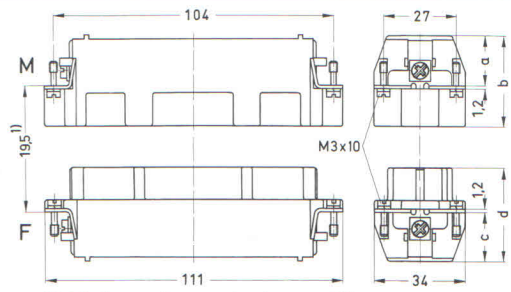
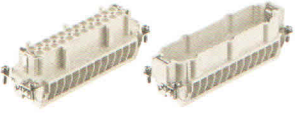
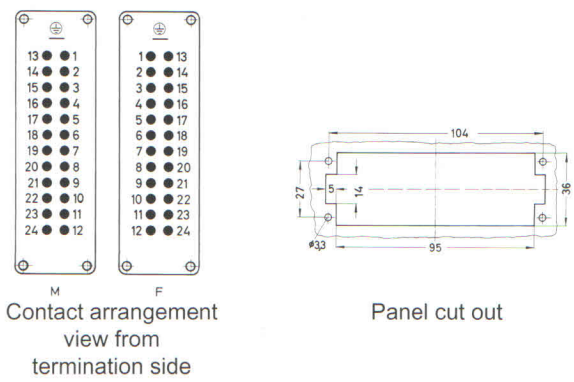
Identification	Part number		Cable entry metric	Drawing	Dimensions in mm
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Bulkhead mounted housing	09 62 816 0391				


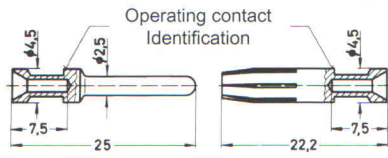


Number of contacts


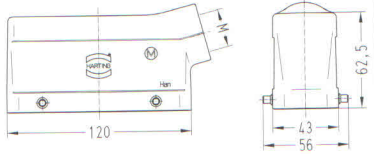
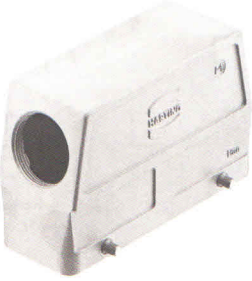
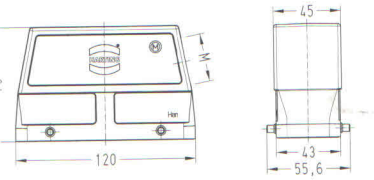

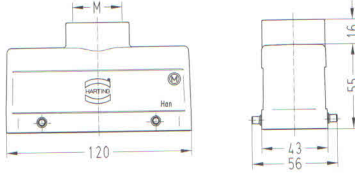
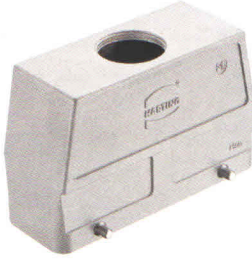
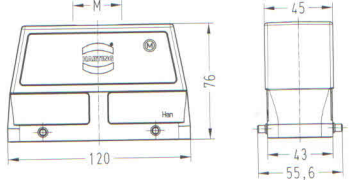
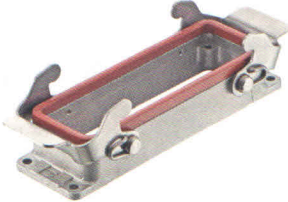
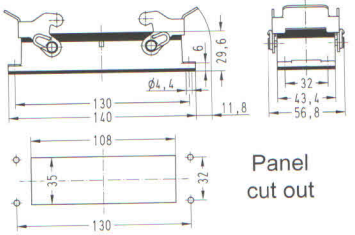
24 +

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Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
Crimp termination with wire protection 	09 33 824 2601	09 33 824 2701	 <p>1) Distance for contact max. 21 mm</p>	a = 19.7 mm b = 34.7 mm  c = 21.0 mm d = 37.0 mm
Screw termination Crimp contacts order separately 	09 33 824 2602	09 33 824 2702	 <p>Contact arrangement view from termination side</p> <p>Panel cut out</p>	

Identification	Wire gauge (mm²)	Part number		Drawing	Dimensions in mm																							
		Male contact	Female contact																									
Han® High Temp contacts 	0.5	09 33 800 6121	09 33 800 6220		<table border="1"> <thead> <tr> <th>Wire gauge</th> <th>Identifica-tion</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.5 mm²</td> <td>AWG 20</td> <td>no groove</td> <td>7.5 mm</td> </tr> <tr> <td>0.75 mm²</td> <td>AWG 18</td> <td>1 groove*</td> <td>7.5 mm</td> </tr> <tr> <td>1.0 mm²</td> <td>AWG 18</td> <td>1 groove</td> <td>7.5 mm</td> </tr> <tr> <td>1.5 mm²</td> <td>AWG 16</td> <td>2 grooves</td> <td>7.5 mm</td> </tr> <tr> <td>2.5 mm²</td> <td>AWG 14</td> <td>3 grooves</td> <td>7.5 mm</td> </tr> </tbody> </table>	Wire gauge	Identifica-tion	Stripping length	0.5 mm²	AWG 20	no groove	7.5 mm	0.75 mm²	AWG 18	1 groove*	7.5 mm	1.0 mm²	AWG 18	1 groove	7.5 mm	1.5 mm²	AWG 16	2 grooves	7.5 mm	2.5 mm²	AWG 14	3 grooves	7.5 mm
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0.75	09 33 800 6114	09 33 800 6214																										
1.0	09 33 800 6105	09 33 800 6205																										
1.5	09 33 800 6104	09 33 800 6204																										
2.5	09 33 800 6102	09 33 800 6202																										

\* on the back crimp collar

Identification	Part number		Cable entry metric	Drawing	Dimensions in mm
	Low construction	High construction			
Hood side entry 	19 62 824 1521		1 x 25		
Hood side entry 		19 62 824 0527 19 62 824 0528	1 x 32 1 x 40		
Hood top entry 	19 62 824 1422		1 x 32		
Hood top entry 		19 62 824 0427	1 x 32		
Identification	Part number		Cable entry metric	Drawing	Dimensions in mm
	Low construction	High construction			
Bulkhead mounted housing 	09 62 824 0391				Panel cut out