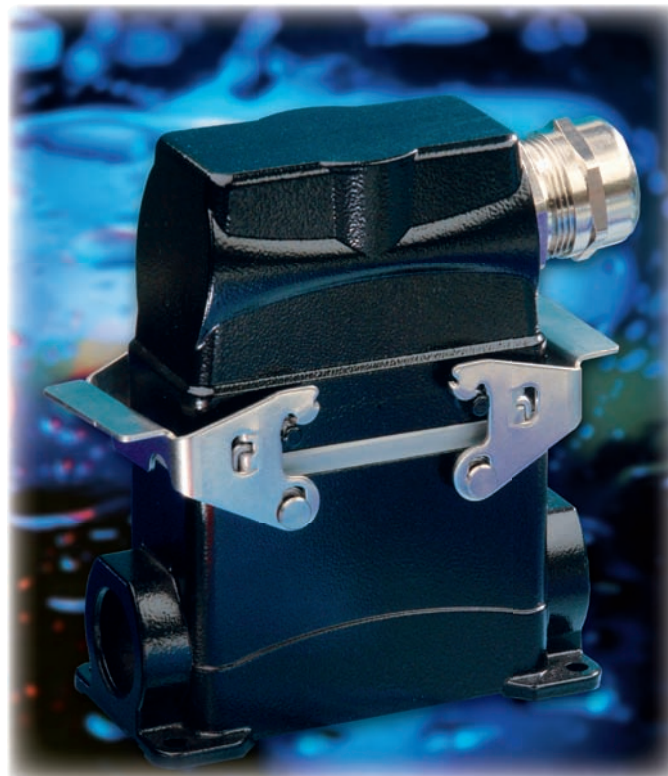


Series B HT inserts are made of special high temperature resistant plastic material, suitable for temperatures up to max. 200 °C including self-heating.



The housings of series B HT can also accommodate inserts of other series. This solution is applicable if there are no difficulties with regard to heat but where high quality aluminium die cast has to be used because of the harsh environmental application area.

Series B HT housings are made of sea-water resistant die-cast aluminium alloy. The seals are made of Viton and are temperature resistant up to 200 °C. The locking levers are made of stainless steel.

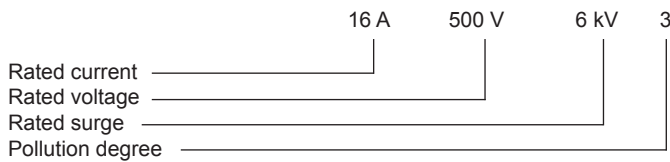
Series B HT

Specifications

Regulations: DIN VDE 0627, DIN VDE 0110, DIN EN 61 984

Number of poles: 6, 10, 16, 24 + PE

Electrical data acc. to DIN EN 61 984:



Material: High temperature resistant plastic
Temperature range: up to + 200 °C
Mechanical operating life:
Mating cycles: ≥ 500

Contacts

Material: copper alloy
Surface - hard silver plated: 3 µm Ag
Contact resistance: ≤ 1 m Ω
Screw terminal with wire protection: 2,5 mm² (14 AWG)
Torque/testing torque: 0,5 Nm
Wire stripping length: 7 mm

Housings

Material: Aluminium die cast, sea water resistant
Surface: powder coated
Double locking levers: stainless steel
Single locking levers: stainless steel
Housing seal: Viton
Temperature range: up to + 200 °C
Protection degree acc. to DIN EN 60 529, in locked condition: IP 65

Application hint:

Heavy duty connectors are electrical devices which must not be inserted or separated under load!

Page

B HT 6 pole + ⊕

154 - 155



B HT 10 pole + ⊕

156 - 157



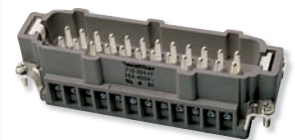
B HT 16 pole + ⊕




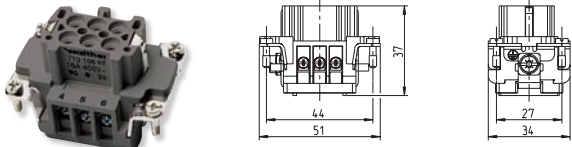
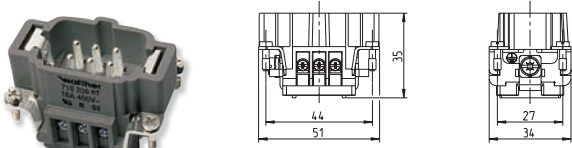
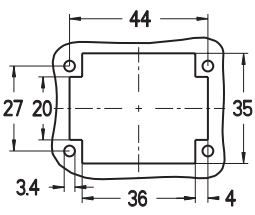
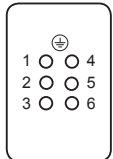
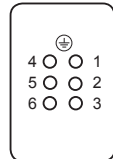
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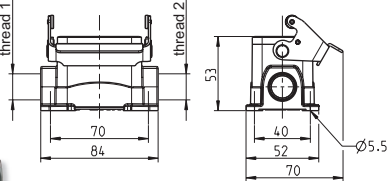


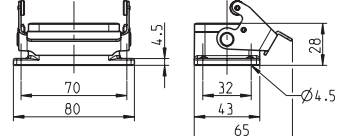



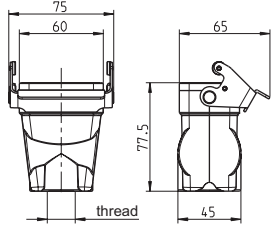



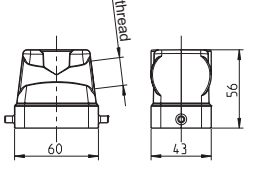



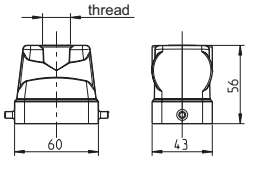



B HT 24 pole + ⊕





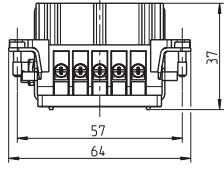
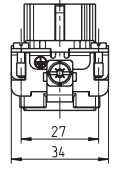

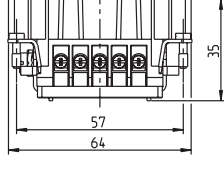
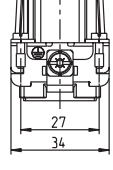
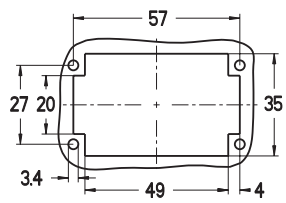
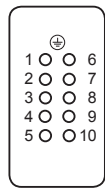
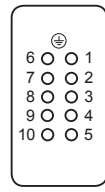
160 - 161




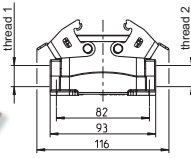
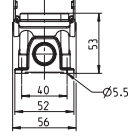

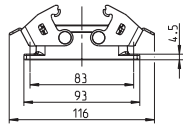
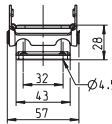


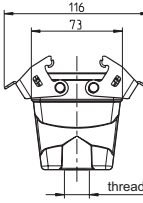
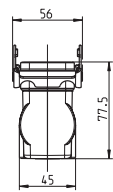


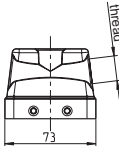
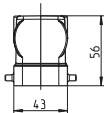


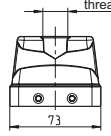
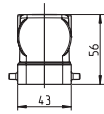


Description	Part no.	Series B HT 6 P +  16 A / 500 V	 
Screw terminal inserts B HT 6		<div style="display: flex; flex-direction: column;"> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div data-bbox="79 392 391 515"> <p>Female insert Screw terminal with wire protection 0,5-2,5 mm² (20-14 AWG)</p> </div> <div data-bbox="391 392 699 515"> <p>710 106 HT</p> </div> <div data-bbox="742 380 1316 526">  </div> <div data-bbox="1369 392 1476 515"> <p>10 54</p> </div> </div> <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 20px;"> <div data-bbox="79 604 391 728"> <p>Male insert Screw terminal with wire protection 0,5-2,5 mm² (20-14 AWG)</p> </div> <div data-bbox="391 604 699 728"> <p>710 206 HT</p> </div> <div data-bbox="742 593 1316 739">  </div> <div data-bbox="1369 604 1476 728"> <p>10 52</p> </div> </div> </div>	
Contact arrangement		<div style="display: flex; justify-content: space-around;"> <div data-bbox="734 817 989 1097"> <p>Panel cut out</p>  </div> <div data-bbox="1069 817 1340 1097"> <p>View from termination side</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="1077 862 1189 1086"> <p>Female insert</p>  </div> <div data-bbox="1220 862 1332 1086"> <p>Male insert</p>  </div> </div> </div> </div>	




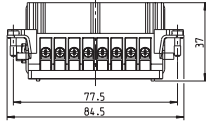
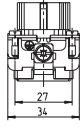
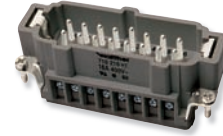
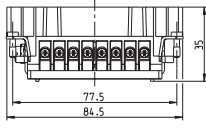
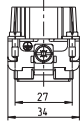
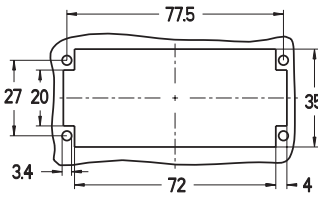
Description	Previous part number	New part number	M	Series B HT 6	
Housings: single locking system				<p>Discontinued model</p>  <p>New design</p>  	
Wall mount housings, height 53 mm with single locking system					
with collar	741 406 OV	P 741 406 MS	1 x M 20		10 213/226
with collar	741 506 OV	P 741 506 MS	2 x M 20		213/226
Panel housings, height 28 mm with single locking system				<p>Discontinued model</p>  	
Panel cut out 744 306 52 x 35 mm					
Coupler hoods, height 77,5 mm with single locking system, top cable entry				<p>Discontinued model</p>  <p>New design</p>  	
with threaded hole with collar	- / - 743 806 OV	P 743 806 P 743 806 MS	1 x M 20		
Hoods, height 56 mm for single locking system, side cable entry				<p>Discontinued model</p>  <p>New design</p>  	
with threaded hole with collar	- / - 742 606 OV	P 742 606 P 742 606 MS	1 x M 20		
Hoods, height 56 mm for single locking system, top cable entry				<p>Discontinued model</p>  <p>New design</p>  	
with threaded hole with collar	- / - 742 806 OV	P 742 806 P 742 806 MS	1 x M 20		




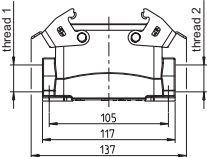
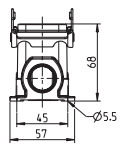

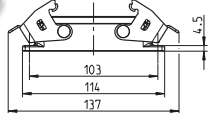
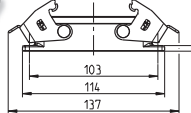
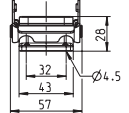


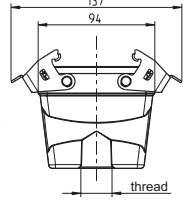
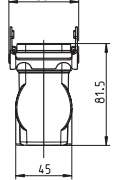


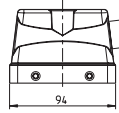
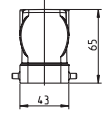


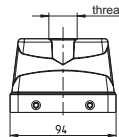
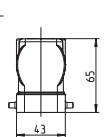
Housings also suitable for inserts / contact carriers of series B 6 and DD 24

Description	Part no.	<p>Series B HT 10 P + </p> <p>16 A / 500 V</p>	 
<p>Screw terminal inserts B HT 10</p>		<p>Female insert Screw terminal with wire protection 0,5-2,5 mm² (20-14 AWG)</p> <p>710 110 HT</p>   	<p>10 71</p>
<p>Male insert Screw terminal with wire protection 0,5-2,5 mm² (20-14 AWG)</p> <p>710 210 HT</p>		  	<p>10 67</p>
<p>Contact arrangement</p>		<p>Panel cut out</p>  <p>View from termination side</p> <p>Female insert</p>  <p>Male insert</p> 	



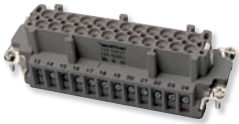
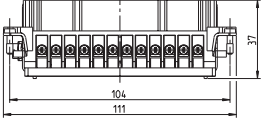
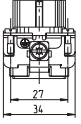
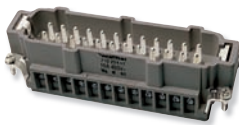
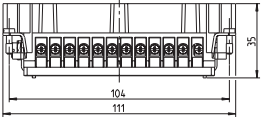
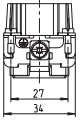
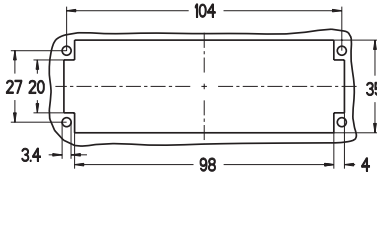
Description	Previous part number	New part number	M	Series B HT 10	 old / new
Housings: double locking system					
Wall mount housings, height 53 mm with double locking system					
with collar	741 010 OV	P 741 010 MS	1 x M 20	   	10 183/260 183/259
with collar	741 110 OV	P 741 110 MS	2 x M 20		
Panel housings, height 28 mm with double locking system					
Panel cut out 65 x 35 mm	744 110			  	10 171
Coupler hoods, height 77,5 mm with double locking system, top cable entry					
with threaded hole with collar	- / - 743 610 OV	P 743 610 P 743 610 MS	1 x M 20	   	10 - /228 290/ 243
Hoods, height 56 mm for double locking system, side cable entry					
with threaded hole with collar	- / - 742 010 OV	P 742 010 P 742 010 MS	1 x M 20	   	10 - /128 114/143
Hoods, height 56 mm for double locking system, top cable entry					
with threaded hole with collar	- / - 742 210 OV	P 742 210 P 742 210 MS	1 x M 20	   	10 - /128 107/143

Housings also suitable for inserts / contact carriers of series B 10 and DD 42

Description	Part no.	Series B HT 16 P + ⊕ 16 A / 400 V	 																																				
Screw terminal inserts B HT 16		  	10 96																																				
Female insert Screw terminal with wire protection 0,5-2,5 mm ² (20-14 AWG)	710 116 HT	  	10 96																																				
Contact arrangement		<p>Panel cut out</p>  <p>View from termination side</p> <table border="0" data-bbox="1109 840 1332 1131"> <thead> <tr> <th colspan="2">Female insert</th> <th colspan="2">Male insert</th> </tr> </thead> <tbody> <tr> <td>1 ⊕</td> <td>9</td> <td>9 ⊕</td> <td>1</td> </tr> <tr> <td>2 ○</td> <td>10</td> <td>10 ○</td> <td>2</td> </tr> <tr> <td>3 ○</td> <td>11</td> <td>11 ○</td> <td>3</td> </tr> <tr> <td>4 ○</td> <td>12</td> <td>12 ○</td> <td>4</td> </tr> <tr> <td>5 ○</td> <td>13</td> <td>13 ○</td> <td>5</td> </tr> <tr> <td>6 ○</td> <td>14</td> <td>14 ○</td> <td>6</td> </tr> <tr> <td>7 ○</td> <td>15</td> <td>15 ○</td> <td>7</td> </tr> <tr> <td>8 ○</td> <td>16</td> <td>16 ○</td> <td>8</td> </tr> </tbody> </table>	Female insert		Male insert		1 ⊕	9	9 ⊕	1	2 ○	10	10 ○	2	3 ○	11	11 ○	3	4 ○	12	12 ○	4	5 ○	13	13 ○	5	6 ○	14	14 ○	6	7 ○	15	15 ○	7	8 ○	16	16 ○	8	
Female insert		Male insert																																					
1 ⊕	9	9 ⊕	1																																				
2 ○	10	10 ○	2																																				
3 ○	11	11 ○	3																																				
4 ○	12	12 ○	4																																				
5 ○	13	13 ○	5																																				
6 ○	14	14 ○	6																																				
7 ○	15	15 ○	7																																				
8 ○	16	16 ○	8																																				

Description	Previous part number	New part number	M	Series B HT 16	
Housings: double locking system					
Wall mount housings, height 68 mm with double locking system					
without cable gland	741 016 OV	P 741 016 MS	1 x M 25	   	10 387/370
without cable gland	741 116 OV	P 741 116 MS	2 x M 25		387/368
Panel housings, height 28 mm with double locking system					
with recess for labels (clips) Panel cut out 86 x 35 mm	744 116			   	10 189
Coupler hoods, height 81,5 mm with double locking system, top cable entry					
with threaded hole with collar	- / - 743 616 OV	P 743 616 P 743 616 MS	1 x M 25	   	10 - /261 370/283
with threaded hole with collar	- / - 743 716 OV	P 743 716 P 743 716 MS	1 x M 32		- /258 386/291
Hoods, height 65 mm for double locking system, side cable entry					
with threaded hole with collar	- / - 748 016 OV	P 748 016 P 748 016 MS	1 x M 25	   	10 - /164 237/186
Hoods, height 65 mm for double locking system, top cable entry					
with threaded hole with collar	- / - 748 216 OV	P 748 216 P 748 216 MS	1 x M 25	   	10 - /165 235/187

Housings also suitable for inserts / contact carriers of series B 16, BA 6, D 40 and DD 72

Description	Part no.	Series B HT 24 P + ⊕ 16 A / 400 V	 																																																				
Screw terminal inserts B HT 24		  	10 140																																																				
Female insert Screw terminal with wire protection 0,5-2,5 mm ² (20-14 AWG)	710 124 HT	  	10 120																																																				
Male insert Screw terminal with wire protection 0,5-2,5 mm ² (20-14 AWG)	710 224 HT	<div style="display: flex; justify-content: space-around;"> <div data-bbox="715 817 1093 1220"> <p>Panel cut out</p>  </div> <div data-bbox="1093 817 1369 1220"> <p>View from termination side</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">Female insert</th> <th colspan="2">Male insert</th> </tr> </thead> <tbody> <tr><td>1</td><td>○</td><td>13</td><td>○</td></tr> <tr><td>2</td><td>○</td><td>14</td><td>○</td></tr> <tr><td>3</td><td>○</td><td>15</td><td>○</td></tr> <tr><td>4</td><td>○</td><td>16</td><td>○</td></tr> <tr><td>5</td><td>○</td><td>17</td><td>○</td></tr> <tr><td>6</td><td>○</td><td>18</td><td>○</td></tr> <tr><td>7</td><td>○</td><td>19</td><td>○</td></tr> <tr><td>8</td><td>○</td><td>20</td><td>○</td></tr> <tr><td>9</td><td>○</td><td>21</td><td>○</td></tr> <tr><td>10</td><td>○</td><td>22</td><td>○</td></tr> <tr><td>11</td><td>○</td><td>23</td><td>○</td></tr> <tr><td>12</td><td>○</td><td>24</td><td>○</td></tr> </tbody> </table> </div> </div>	Female insert		Male insert		1	○	13	○	2	○	14	○	3	○	15	○	4	○	16	○	5	○	17	○	6	○	18	○	7	○	19	○	8	○	20	○	9	○	21	○	10	○	22	○	11	○	23	○	12	○	24	○	
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Description	Previous part number	New part number	M	Series B HT 24	 old / new
Housings: double locking system				 	10 473/428 461/425
Wall mount housings, height 68 mm with double locking system					
with collar	741 024 OV	P 741 024 MS	1 x M 25		
with collar	741 124 OV	P 741 124 MS	2 x M 25		
Panel housings, height 28 mm with double locking system				 	10 202
with recess for labels (clips) 744 124 Panel cut out 112 x 35 mm					
Coupler hoods, height 81,5 mm with double locking system, top cable entry				 	10 - /304 432/326 - /301 454/334
with threaded hole with collar	- / - 743 624 OV	P 743 624 P 743 624 MS	1 x M 25		
with threaded hole with collar	- / - 743 724 OV	P 743 724 P 743 724 MS	1 x M 32		
Hoods, height 76 mm for double locking system, side cable entry				 	10 - /235 322/257 - /230 334/263
with threaded hole with collar	- / - 748 024 OV	P 748 024 P 748 024 MS	1 x M 25		
with threaded hole with collar	- / - 748 124 OV	P 748 124 P 748 124 MS	1 x M 32		
Hoods, height 76 mm for double locking system, top cable entry				 	10 - /236 321/258 - /233 317/266
with threaded hole with collar	- / - 748 224 OV	P 748 224 P 748 224 MS	1 x M 25		
with threaded hole with collar	- / - 748 324 OV	P 748 324 P 748 324 MS	1 x M 32		

Housings also suitable for inserts / contact carriers of series B 24, D 64 and DD 108