

# Series B

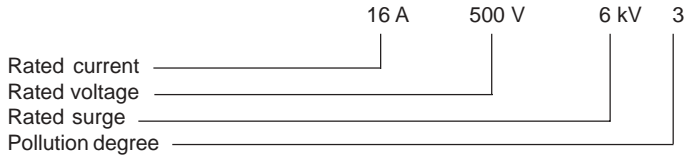
## Specifications

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

**Approvals:** UR, CSA, SEV, MEIE, EZÚ, GOST

**Number of poles:** 6, 10, 16, 24, 32 (2 x 16), 48 (2 x 24) + PE

**Electrical data acc. to DIN EN 61 984:**



Rated voltage acc. to UL/CSA: 600 V

**Material:** Glass-fibre reinforced polyamide  
**Temperature range:** - 40 °C up to + 125 °C  
**Flame class rating acc. to UL 94:** V 0  
**Mechanical operating 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 m Ω  
**Screw type terminal with wire protection:** 2,5 mm<sup>2</sup> (14 AWG)  
**Screw type terminal without wire protection:** 4 mm<sup>2</sup> (12 AWG)  
**Torque/testing torque:** 0,5 Nm  
**Crimp type terminal:** 0,5 - 4 mm<sup>2</sup> (20 - 12) AWG  
**Insulation displacement terminal:** 0,5 - 1,5 mm<sup>2</sup> (20 - 16 AWG)

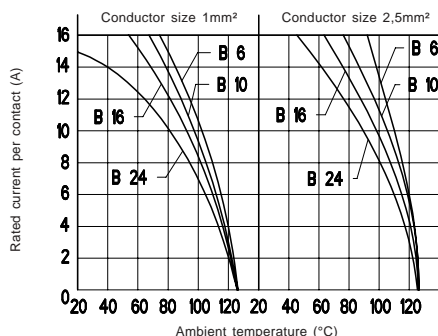
**Housings**

**Material:** Die-cast aluminium  
**Surface:** Powder-coated  
**Levers of double locking system:** Stainless steel  
**Levers of single locking system:** Zinc-plated steel  
**Housing seal:** NBR  
**Temperature range:** - 40 °C up to + 125 °C  
**Protection degree acc. to DIN EN 60 529 in closed position:** IP 65

**Application hint**

Heavy duty connectors are electrical devices which under proper use - under load - should not be inserted or separated.

The derating diagram (corrected on ambient temperature and current capacity curve) acc. to DIN/IEC 512 applies to such kind of current which can - depending conductor size) circulate through each contact without exceeding the upper limiting temperature.



Page

**B 6 pole + PE**

**Inserts** 22 - 23

- short overview see page 102 -  
 - matching housings s. page 103 - 105 -



**B 10 pole + PE**

**Inserts** 24 - 25

- short overview see page 106 -  
 - matching housings s. page 107 - 113 -



**B 16 pole + PE**

**Inserts** 26 - 27

- short overview see page 114 -  
 - matching housings s. page 115 - 122 -



**B 24 pole + PE**

**Inserts** 28 - 29

- short overview see page 124 -  
 - matching housings s. page 125 - 131 -



**B 32 pole + PE**

**Inserts** 30

- short overview see page 132 -  
 - matching housings see page 133 -



**B 48 pole + PE**

**Inserts** 31

- short overview see page 134 -  
 - matching housings see page 135 -



# Series BB

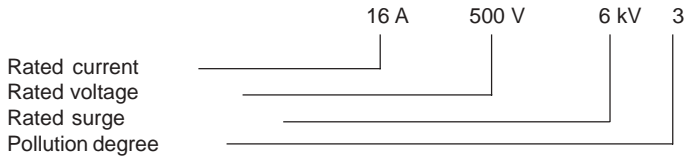
## Specifications

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

**Approvals:** UR, CSA, SEV, MEIE, EZÚ, GOST (in preparation)

**Number of poles:** 10, 18, 32, 46, 64, 92

**Electrical data acc. to DIN EN 61 984:**



Rated voltage acc. to UL/CSA: 600 V

Material: Glass-fibre reinforced polyamide

Temperature range: - 40 °C up to + 125 °C

Flame class rating acc. to UL 94: V 0

Mechanical operating 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 m Ω

Crimp type terminal: 0,5 - 4 mm² (20 - 12) AWG

**Housings**

Material: Die-cast aluminium

Surface: Powder coated

Levers of double locking system: Stainless steel

Levers of single locking system: Zinc plated steel

Housing seal: NBR

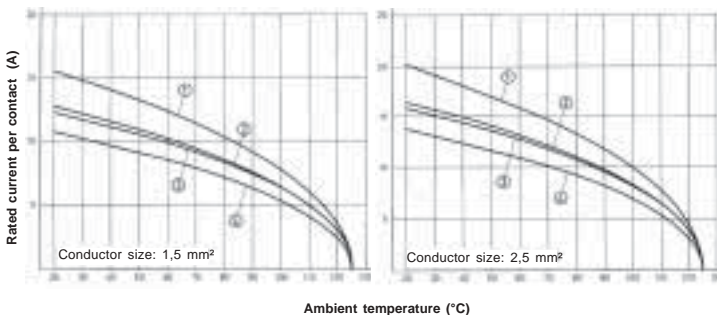
Temperature range: - 40 °C up to + 125 °C

Protection degree acc. to DIN EN 60 529 in closed position: IP 65

**Application hint**

Heavy duty connectors are electrical devices which under proper use - under load - should not be inserted or separated.

The derating diagram (corrected current capacity curve) acc. to DIN/IEC 512 applies to such kind of current which can - depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.



① = BB10, ② = BB 18, ③ = BB 32, ④ = BB 46

### BB 10 pole + PE

**Inserts** 23

- short overview see page 102 -  
- matching housings s. page 103 - 105 -



### BB 18 poles + PE

**Inserts** 25

- short overview see page 106 -  
- matching housings s. page 107 - 113 -



### BB 32 poles + PE

**Inserts** 27

- short overview see page 114 -  
- matching housings s. page 115 - 122 -



### BB 46 poles + PE

**Inserts** 29

- short overview see page 124 -  
- matching housings s. page 125 - 131 -



### BB 64 poles + PE

**Inserts** 32

- short overview see page 132 -  
- matching housings s. page 133 -




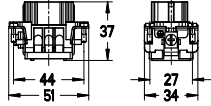

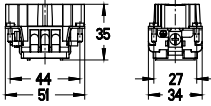

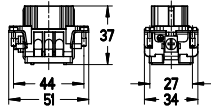

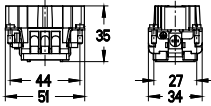



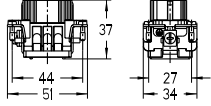

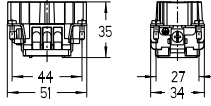







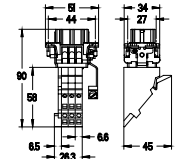

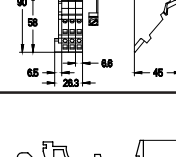

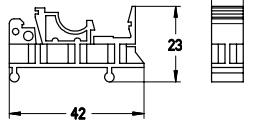
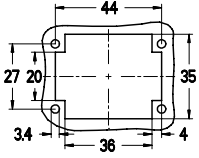
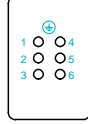
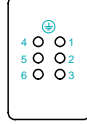




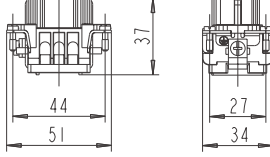

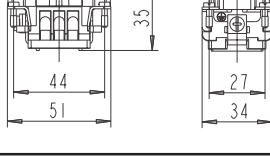
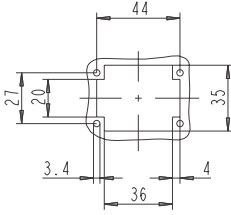
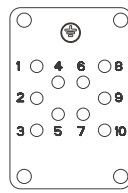
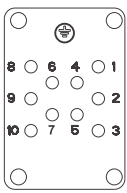
### BB 92 poles + PE





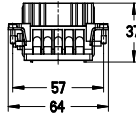

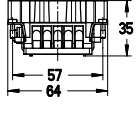

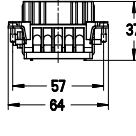

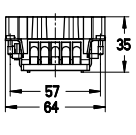

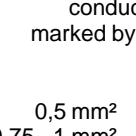



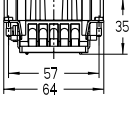



**Inserts** 32





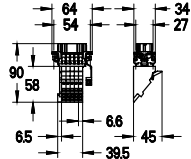

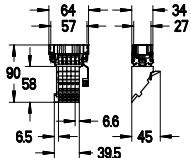

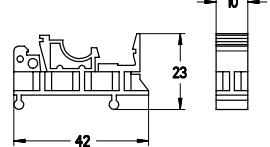
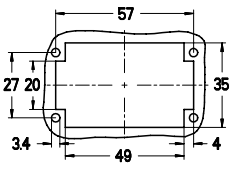
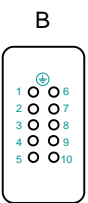
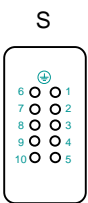





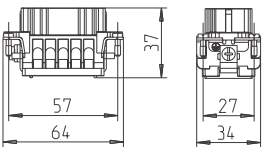

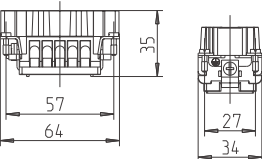
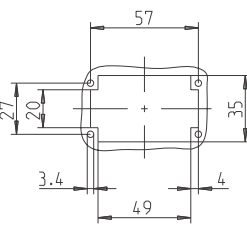
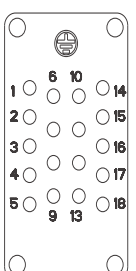
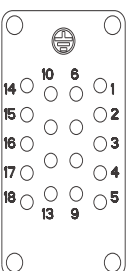
- short overview see page 136 -  
- matching housings s. page 137 -





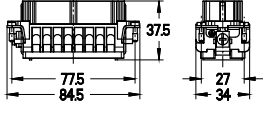

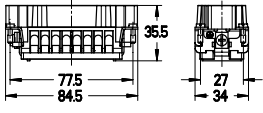

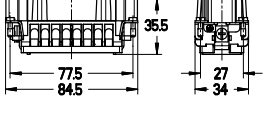














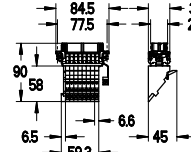

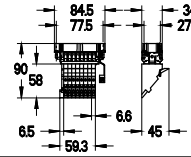

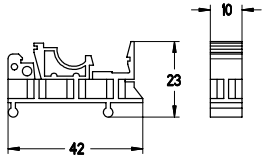
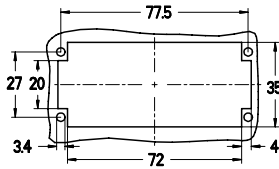
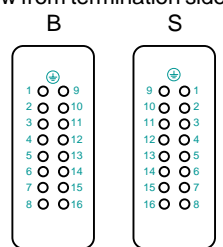




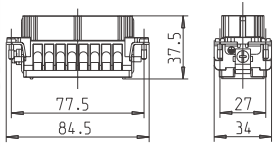

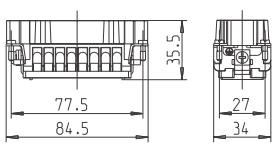
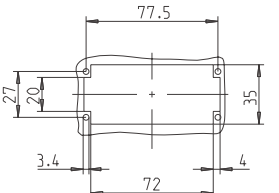
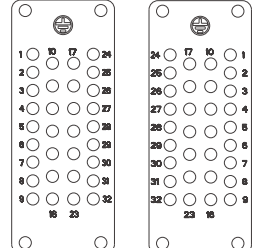
Description	Part No.		<b>Series B</b> <b>6 P + ⊕</b> 16 A / 500 V UL/CSA: 600 V	 	EAN-No. 4015609...																			
<b>Screw terminal inserts</b>																								
<b>Female inserts</b> screw terminal <b>with wire protection</b> 0,5-2,5 mm <sup>2</sup> (20-14 AWG)					<b>10</b> 52	027309																		
without wire protection 0,5-4 mm <sup>2</sup> (20-12 AWG)					49	029303																		
<b>Male inserts</b> screw terminal <b>with wire protection</b> 0,5-2,5 mm <sup>2</sup> (20-14 AWG)					<b>10</b> 50	027361																		
without wire protection 0,5-4 mm <sup>2</sup> (20-12 AWG)					47	029341																		
<b>Crimp contact carriers</b>																								
<b>Contact carrier</b> for sleeve contacts					<b>10</b> 40	027422																		
Please order crimp contacts separately																								
<b>Contact carrier</b> for pin contacts					<b>10</b> 38	027484																		
Please order crimp contacts separately																								
<b>Contacts for crimp contact carriers</b>			conductor size marked by n-grooves																					
<b>Sleeve contacts B</b> crimp-type solid, drilled weight per 100				<table border="1"> <thead> <tr> <th>n</th> <th>conductor size</th> <th>marked by n-grooves</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0,5 mm<sup>2</sup></td> <td>20 AWG</td> </tr> <tr> <td>1</td> <td>0,75 - 1 mm<sup>2</sup></td> <td>18 AWG</td> </tr> <tr> <td>2</td> <td>1,5 mm<sup>2</sup></td> <td>16 AWG</td> </tr> <tr> <td>3</td> <td>2,5 mm<sup>2</sup></td> <td>14 AWG</td> </tr> <tr> <td>0</td> <td>4,0 mm<sup>2</sup></td> <td>12 AWG</td> </tr> </tbody> </table>	n	conductor size	marked by n-grooves	0	0,5 mm <sup>2</sup>	20 AWG	1	0,75 - 1 mm <sup>2</sup>	18 AWG	2	1,5 mm <sup>2</sup>	16 AWG	3	2,5 mm <sup>2</sup>	14 AWG	0	4,0 mm <sup>2</sup>	12 AWG	<b>100</b> 160 171 173 168 163	<b>027583</b> <b>027545</b> <b>027552</b> <b>027569</b> <b>027576</b>
n	conductor size	marked by n-grooves																						
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<b>Pin contacts B</b> crimp-type solid, drilled weight per 100				<table border="1"> <thead> <tr> <th>n</th> <th>conductor size</th> <th>marked by n-grooves</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0,5 mm<sup>2</sup></td> <td>20 AWG</td> </tr> <tr> <td>1</td> <td>0,75 - 1 mm<sup>2</sup></td> <td>18 AWG</td> </tr> <tr> <td>2</td> <td>1,5 mm<sup>2</sup></td> <td>16 AWG</td> </tr> <tr> <td>3</td> <td>2,5 mm<sup>2</sup></td> <td>14 AWG</td> </tr> <tr> <td>0</td> <td>4,0 mm<sup>2</sup></td> <td>12 AWG</td> </tr> </tbody> </table>	n	conductor size	marked by n-grooves	0	0,5 mm <sup>2</sup>	20 AWG	1	0,75 - 1 mm <sup>2</sup>	18 AWG	2	1,5 mm <sup>2</sup>	16 AWG	3	2,5 mm <sup>2</sup>	14 AWG	0	4,0 mm <sup>2</sup>	12 AWG	<b>100</b> 130 124 128 129 125	<b>027637</b> <b>027590</b> <b>027606</b> <b>027613</b> <b>027620</b>
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0	4,0 mm <sup>2</sup>	12 AWG																						
<b>Insulation displacement inserts</b> <span style="background-color: red; color: white; border-radius: 50%; padding: 2px;">NEW</span>																								
<b>Female insert</b> 0,5 - 1,5 mm <sup>2</sup> (20-16 AWG)					<b>10</b> 56	<b>293803</b>																		
<b>Male insert</b> 0,5 - 1,5 mm <sup>2</sup> (20-16 AWG)					<b>10</b> 56	<b>293810</b>																		
<b>Coding parts</b> (are slid into the coding grooves)  <i>(B 6 inserts can be equipped with max. 2 coding parts)</i>					<b>10</b> 1	<b>293957</b>																		

Description	Part No.	<b>Series B</b> <b>6 P +</b>  16 A / 500 V UL/CSA: 600 V	  9 EAN-No. 4015609...
<b>Wiring adapters</b>		 	
<b>Female inserts</b> earth pin right	<b>710 657</b>		10 84 028276
earth pin left 0,5-2,5 mm <sup>2</sup> (20-14 AWG)	<b>710 661</b>		84 028313
<b>Male inserts</b> earth pin right	<b>710 665</b>	 	10 85 028351
earth pin left 0,5-2,5 mm <sup>2</sup> (20-14 AWG)	<b>710 669</b>		85 028399
<b>Combi snap element</b> 1 piece per adapter needed	<b>710 807</b>	 	10 4 029617
<b>Contact arrangement</b>  B: Female inserts S: Male inserts		panel cut out view from termination side  B                      S    	
Description	Part No.	<b>Series BB</b> <b>10 P +</b>  16 A / 500 V UL/CSA: 600 V	  9 EAN-No. 4015609...
<b>Crimp contact carriers</b>			
<b>Contact carriers</b> for female contacts	<b>710311</b>	 	10 42 469055
Please order crimp contacts separately			
<b>Contact carriers</b> for male contacts	<b>710411</b>	 	10 40 469062
Please order crimp contacts separately			
<b>Contact arrangement</b>		Panel cut out view from termination side  Female insert      Male insert    	





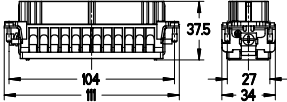

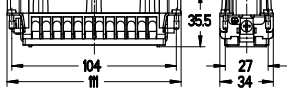

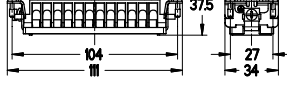

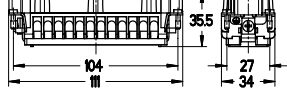




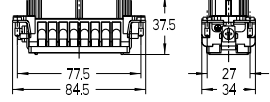

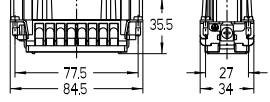

Description	Part No.		<b>Series B</b> <b>10 P +</b>  16 A / 500 V UL/CSA: 600 V	 	EAN-No. 4015609...		
<b>Screw terminal inserts</b>							
<b>Female inserts</b> screw terminal <b>with wire protection</b> 0,5-2,5 mm <sup>2</sup> (20-14 AWG) without wire protection 0,5-4 mm <sup>2</sup> (20-12 AWG)					<b>10</b> 69 65	027316 029310	
<b>710 110</b> <b>710 770</b>					<b>10</b> 65 60	027378 029358	
<b>Male inserts</b> screw terminal <b>with wire protection</b> 0,5-2,5 mm <sup>2</sup> (20-14 AWG) without wire protection 0,5-4 mm <sup>2</sup> (20-12 AWG)							
<b>710 210</b> <b>710 774</b>					<b>10</b> 49	027439	
<b>Crimp contact carriers</b> <b>Contact carrier</b> for sleeve contacts Please order crimp contacts separately <b>710 310</b>					<b>10</b> 46	027491	
<b>Contact carrier</b> for pin contacts Please order crimp contacts separately <b>710 410</b>					<b>10</b> 46	027491	
<b>Contacts for crimp contact carriers</b>			conductor size marked by n-grooves				
<b>Sleeve contacts B</b> crimp-type solid, drilled weight per 100	silver-plated <b>710 504</b> <b>710 500</b> <b>710 501</b> <b>710 502</b> <b>710 503</b>	gold-plated 710 842 710 843 710 844 710 845 710 846		n 0 1 2 3 0	0,5 mm <sup>2</sup> 20 AWG 0,75 - 1 mm <sup>2</sup> 18 AWG 1,5 mm <sup>2</sup> 16 AWG 2,5 mm <sup>2</sup> 14 AWG 4,0 mm <sup>2</sup> 12 AWG	<b>100</b> 160 171 173 168 163	<b>027583</b> <b>027545</b> <b>027552</b> <b>027569</b> <b>027576</b>
<b>Pin contacts B</b> crimp-type solid, drilled weight per 100	silver-plated <b>710 514</b> <b>710 510</b> <b>710 511</b> <b>710 512</b> <b>710 513</b>	gold-plated 710 847 710 848 710 849 710 850 710 851		n 0 1 2 3 0	0,5 mm <sup>2</sup> 20 AWG 0,75 - 1 mm <sup>2</sup> 18 AWG 1,5 mm <sup>2</sup> 16 AWG 2,5 mm <sup>2</sup> 14 AWG 4,0 mm <sup>2</sup> 12 AWG	<b>100</b> 130 124 128 129 125	<b>027637</b> <b>027590</b> <b>027606</b> <b>027613</b> <b>027620</b>
<b>Insulation displacement inserts</b>							
<b>Female insert</b> 0,5 - 1,5 mm <sup>2</sup> (20-16 AWG) <b>710 110 01</b>					<b>10</b> 74	<b>293827</b>	
<b>Male insert</b> 0,5 - 1,5 mm <sup>2</sup> (20-16 AWG) <b>710 210 01</b>					<b>10</b> 74	<b>293834</b>	
<b>Coding part</b> (are slided into the coding grooves) (B 10 inserts can be equipped with max. 2 coding parts) <b>710 607</b>					<b>10</b> 1	<b>293957</b>	




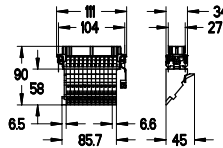

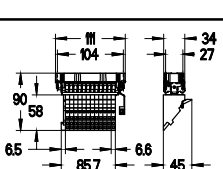

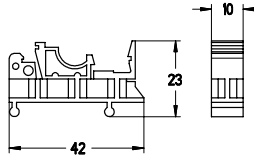
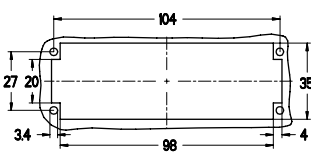



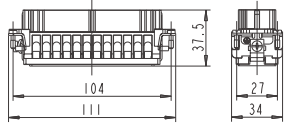

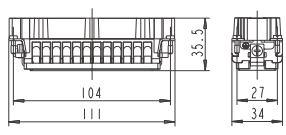
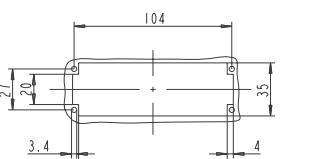
Description	Part No.	<b>Series B</b> <b>10 P +</b>  16 A / 500 V UL/CSA: 600 V	  9      EAN-No. 4015609...
<b>Wiring adapters</b>		   	10 122      028283 122      028320 10 124      028368 124      028405
<b>Combi snap element</b> 2 pieces per adapter needed	<b>710 807</b>	 	10 4      029617
<b>Contact arrangement</b> B: Female insert S: Male insert		panel cut out      view from termination side   	
Description	Part No.	<b>Series BB</b> <b>18 P +</b>  16 A / 500 V UL/CSA: 600 V	  9      EAN-No. 4015609...
<b>Crimp contact carriers</b>  <b>Contact carriers</b> for female contacts <b>710 318</b> Please order crimp contact carriers separately		 	10 53      469079
<b>Contact carriers</b> for male contacts <b>710 418</b> Please order crimp contact carriers separately		 	10 47      469086
<b>Contact arrangement</b>		Panel cut out:      View from termination side: Female insert      Male insert   	

Description	Part No.		<b>Series B</b> <b>16 P +</b>  16 A / 500 V UL/CSA: 600 V	 	EAN-No. 4015609...																														
<b>Screw terminal inserts</b>																																			
<b>Female inserts</b> screw terminal <b>with wire protection</b> 0,5-2,5 mm <sup>2</sup> (20-14 AWG) without wire protection 0,5-4 mm <sup>2</sup> (20-12 AWG)					<b>10</b> 94 90	027323 029327																													
710 116	710 771			<b>10</b> 94 90	027385 029365																														
710 216	710 775	<b>Crimp contact carriers</b> <b>Contact carrier</b> for sleeve contacts <b>710 316</b>  Please order crimp contacts separately			<b>10</b> 68	027446																													
<b>Contact carrier</b> for pin contacts <b>710 416</b>  Please order crimp contacts separately					<b>10</b> 63	027507																													
<b>Contacts for crimp contact carriers</b>			<table border="1"> <thead> <tr> <th data-bbox="917 1153 933 1176">n</th> <th colspan="2" data-bbox="1005 1131 1228 1187">conductor size marked by n-grooves</th> <th data-bbox="1300 1198 1348 1220"></th> <th data-bbox="1380 1220 1476 1355"></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0,5 mm<sup>2</sup></td> <td>20 AWG</td> <td>160</td> <td><b>027583</b></td> </tr> <tr> <td>1</td> <td>0,75 - 1 mm<sup>2</sup></td> <td>18 AWG</td> <td>171</td> <td><b>027545</b></td> </tr> <tr> <td>2</td> <td>1,5 mm<sup>2</sup></td> <td>16 AWG</td> <td>173</td> <td><b>027552</b></td> </tr> <tr> <td>3</td> <td>2,5 mm<sup>2</sup></td> <td>14 AWG</td> <td>168</td> <td><b>027569</b></td> </tr> <tr> <td>0</td> <td>4,0 mm<sup>2</sup></td> <td>12 AWG</td> <td>163</td> <td><b>027576</b></td> </tr> </tbody> </table>			n	conductor size marked by n-grooves				0	0,5 mm <sup>2</sup>	20 AWG	160	<b>027583</b>	1	0,75 - 1 mm <sup>2</sup>	18 AWG	171	<b>027545</b>	2	1,5 mm <sup>2</sup>	16 AWG	173	<b>027552</b>	3	2,5 mm <sup>2</sup>	14 AWG	168	<b>027569</b>	0	4,0 mm <sup>2</sup>	12 AWG	163	<b>027576</b>
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<b>Sleeve contacts B</b> crimp-type solid, drilled weight per 100				<table border="1"> <thead> <tr> <th data-bbox="422 1422 542 1444">silver-plated</th> <th data-bbox="566 1422 686 1444">gold-plated</th> </tr> </thead> <tbody> <tr> <td><b>710 504</b></td> <td>710 842</td> </tr> <tr> <td><b>710 500</b></td> <td>710 843</td> </tr> <tr> <td><b>710 501</b></td> <td>710 844</td> </tr> <tr> <td><b>710 502</b></td> <td>710 845</td> </tr> <tr> <td><b>710 503</b></td> <td>710 846</td> </tr> </tbody> </table>	silver-plated	gold-plated	<b>710 504</b>	710 842	<b>710 500</b>	710 843	<b>710 501</b>	710 844	<b>710 502</b>	710 845	<b>710 503</b>	710 846	<b>100</b> 160 171 173 168 163	027583 027545 027552 027569 027576																	
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<b>Female insert</b> 0,5 - 1,5 mm <sup>2</sup> (20-16 AWG) <b>710 116 01</b>					<b>10</b> 102	<b>293841</b>																													
<b>Male insert</b> 0,5 - 1,5 mm <sup>2</sup> (20-16 AWG) <b>710 216 01</b>					<b>10</b> 102	<b>293858</b>																													
<b>Coding parts</b> <b>710 607</b> (are slid into the coding grooves)  (B 16 inserts can be equipped with max. 4 coding parts)					<b>10</b> 1	<b>293957</b>																													

Description	Part No.	<b>Series B</b> <b>16 P +</b>  16 A / 500 V UL/CSA: 600 V	  9      EAN-No. 4015609...
<b>Wiring adapters</b>		 	10 136      028290 136      028337
<b>Female insert</b> earth pin right <b>710 659</b>  earth pin left 0,5-2,5 mm <sup>2</sup> (20-14 AWG) <b>710 663</b>		 	10 135      028375 135      028412
<b>Combi snap element</b> 2 pieces per adapter needed <b>710 807</b>		 	10 4      029617
<b>Contact arrangement</b>  B: Female insert S: Male insert		panel cut out      view from termination side  	
Description	Part No.	<b>Series BB</b> <b>32 P +</b>  16 A / 500 V UL/CSA: 600 V	  9      EAN-No. 4015609...
<b>Crimp contact carriers</b>		 	10 68      469093
<b>Contact carriers</b> for female contacts <b>710 333</b>  Please order crimp contacts separately		 	10 58      469109
<b>Contact carriers</b> for male contacts <b>710 433</b>  Please order crimp contacts separately		Panel cut out:      View from termination side: Female insert      Male insert  	



Description	Part No.		<b>Series B</b> <b>24 P +</b>  16 A / 500 V UL/CSA: 600 V	 	EAN-No. 4015609...																		
<b>Screw terminal inserts</b>																							
<b>Female inserts</b> screw terminal <b>with wire protection</b> 0,5-2,5 mm <sup>2</sup> (20-14 AWG) <b>without wire protection</b> 0,5-4 mm <sup>2</sup> (20-12 AWG)			 	<b>10</b> 138 134	027330 029334																		
<b>Male inserts</b> screw terminal <b>with wire protection</b> 0,5-2,5 mm <sup>2</sup> (20-14 AWG) <b>without wire protection</b> 0,5-4 mm <sup>2</sup> (20-12 AWG)			 	<b>10</b> 118 114	027392 029372																		
<b>Crimp contact carriers</b>																							
<b>Contact carrier</b> for sleeve contacts  Please order crimp contacts separately			 	<b>10</b> 88	027453																		
<b>Contact carriers</b> for pin contacts  Please order crimp contacts separately			 	<b>10</b> 80	027514																		
<b>Contacts for crimp contact carriers</b>																							
<b>Sleeve contacts B</b> crimp-type solid, drilled weight per 100			 <table border="1" data-bbox="917 1131 1276 1355"> <thead> <tr> <th>n</th> <th colspan="2">conductor size marked by n-grooves</th> </tr> </thead> <tbody> <tr><td>0</td><td>0,5 mm<sup>2</sup></td><td>20 AWG</td></tr> <tr><td>1</td><td>0,75 - 1 mm<sup>2</sup></td><td>18 AWG</td></tr> <tr><td>2</td><td>1,5 mm<sup>2</sup></td><td>16 AWG</td></tr> <tr><td>3</td><td>2,5 mm<sup>2</sup></td><td>14 AWG</td></tr> <tr><td>0</td><td>4,0 mm<sup>2</sup></td><td>12 AWG</td></tr> </tbody> </table>	n	conductor size marked by n-grooves		0	0,5 mm <sup>2</sup>	20 AWG	1	0,75 - 1 mm <sup>2</sup>	18 AWG	2	1,5 mm <sup>2</sup>	16 AWG	3	2,5 mm <sup>2</sup>	14 AWG	0	4,0 mm <sup>2</sup>	12 AWG	<b>100</b> 160 171 173 168 163	<b>027583</b> <b>027545</b> <b>027552</b> <b>027569</b> <b>027576</b>
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<b>Pin contacts B</b> crimp-type solid, drilled weight per 100			 <table border="1" data-bbox="917 1355 1276 1518"> <thead> <tr> <th>n</th> <th colspan="2">conductor size marked by n-grooves</th> </tr> </thead> <tbody> <tr><td>0</td><td>0,5 mm<sup>2</sup></td><td>20 AWG</td></tr> <tr><td>1</td><td>0,75 - 1 mm<sup>2</sup></td><td>18 AWG</td></tr> <tr><td>2</td><td>1,5 mm<sup>2</sup></td><td>16 AWG</td></tr> <tr><td>3</td><td>2,5 mm<sup>2</sup></td><td>14 AWG</td></tr> <tr><td>0</td><td>4,0 mm<sup>2</sup></td><td>12 AWG</td></tr> </tbody> </table>	n	conductor size marked by n-grooves		0	0,5 mm <sup>2</sup>	20 AWG	1	0,75 - 1 mm <sup>2</sup>	18 AWG	2	1,5 mm <sup>2</sup>	16 AWG	3	2,5 mm <sup>2</sup>	14 AWG	0	4,0 mm <sup>2</sup>	12 AWG	<b>100</b> 130 124 128 129 125	<b>027637</b> <b>027590</b> <b>027606</b> <b>027613</b> <b>027620</b>
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<b>Insulation displacement inserts</b> 																							
<b>Female insert</b> 0,5 - 1,5 mm <sup>2</sup> (20-16 AWG)			 	<b>10</b> 135	<b>293865</b>																		
<b>Male insert</b> 0,5 - 1,5 mm <sup>2</sup> (20-16 AWG)			 	<b>10</b> 135	<b>293872</b>																		
<b>Coding parts</b> (are slid into the coding grooves)  <i>(B 24 inserts can be equipped with max. 4 coding parts)</i>				<b>10</b> 1	<b>293957</b>																		

Description	Part No.	<b>Series B</b> <b>24 P + ⊕</b> 16 A / 500 V UL/CSA: 600 V	  9      EAN-No. 4015609...																																																																																																																																												
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earth pin left 0,5-2,5 mm <sup>2</sup> (20-14 AWG)	710 664																																																																																																																																														
<b>Male inserts</b>																																																																																																																																															
earth pin right	710 668	 	10 241      028382  241      028429																																																																																																																																												
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Description	Part No.		<b>Series B</b> <b>32 P + ⚡</b> 16 A / 500 V UL/CSA: 600 V		EAN-No. 4015609...																																								
<b>Screw terminal inserts</b>																																													
<b>Female inserts*</b> screw terminal <b>with wire protection 1 - 16</b> <b>710 116</b> without wire protection              710 771 <b>with wire protection 17 - 32</b> <b>710 132</b> without wire protection              710 859					<b>10</b> 94 90 94 90	027323 029327 027347 167456																																							
<b>Male inserts*</b> screw terminal <b>with wire protection 1 - 16</b> <b>710 216</b> without wire protection              710 775 <b>with wire protection 17 - 32</b> <b>710 232</b> without wire protection              710 860					<b>10</b> 94 90 94 90	027385 029365 027408 167463																																							
<b>Crimp contact carriers</b>																																													
<b>Contact carriers</b> for sleeve contacts 1 - 16 <b>710 316</b> for sleeve contacts 17 - 32 <b>710 332</b> Please order crimp contacts separately					<b>10</b> 68 68	027446 027460																																							
<b>Contact carriers</b> for pin contacts 1 - 16 <b>710 416</b> for pin contacts 17 - 32 <b>710 432</b> Please order crimp contacts separately					<b>10</b> 63 63	027507 027521																																							
<b>Contacts for crimp contact carriers</b>																																													
<b>Sleeve contacts B</b> silver-plated      gold-plated crimp-type <b>710 504</b> 710 842 solid, drilled <b>710 500</b> 710 843 weight per 100 <b>710 501</b> 710 844 <b>710 502</b> 710 845 <b>710 503</b> 710 846				<table border="1"> <thead> <tr> <th>n</th> <th colspan="2">conductor size marked by n-grooves</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0,5 mm<sup>2</sup></td> <td>20 AWG</td> </tr> <tr> <td>1</td> <td>0,75 - 1 mm<sup>2</sup></td> <td>18 AWG</td> </tr> <tr> <td>2</td> <td>1,5 mm<sup>2</sup></td> <td>16 AWG</td> </tr> <tr> <td>3</td> <td>2,5 mm<sup>2</sup></td> <td>14 AWG</td> </tr> <tr> <td>0</td> <td>4,0 mm<sup>2</sup></td> <td>12 AWG</td> </tr> </tbody> </table>	n	conductor size marked by n-grooves		0	0,5 mm <sup>2</sup>	20 AWG	1	0,75 - 1 mm <sup>2</sup>	18 AWG	2	1,5 mm <sup>2</sup>	16 AWG	3	2,5 mm <sup>2</sup>	14 AWG	0	4,0 mm <sup>2</sup>	12 AWG	<b>100</b> 160 171 173 168 163	<b>027583</b> <b>027545</b> <b>027552</b> <b>027569</b> <b>027576</b>																					
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<b>Pin contacts B</b> silver-plated      gold-plated crimp-type <b>710 514</b> 710 847 solid, drilled <b>710 510</b> 710 848 weight per 100 <b>710 511</b> 710 849 <b>710 512</b> 710 850 <b>710 513</b> 710 851				<table border="1"> <thead> <tr> <th>n</th> <th colspan="2">conductor size marked by n-grooves</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0,5 mm<sup>2</sup></td> <td>20 AWG</td> </tr> <tr> <td>1</td> <td>0,75 - 1 mm<sup>2</sup></td> <td>18 AWG</td> </tr> <tr> <td>2</td> <td>1,5 mm<sup>2</sup></td> <td>16 AWG</td> </tr> <tr> <td>3</td> <td>2,5 mm<sup>2</sup></td> <td>14 AWG</td> </tr> <tr> <td>0</td> <td>4,0 mm<sup>2</sup></td> <td>12 AWG</td> </tr> </tbody> </table>	n	conductor size marked by n-grooves		0	0,5 mm <sup>2</sup>	20 AWG	1	0,75 - 1 mm <sup>2</sup>	18 AWG	2	1,5 mm <sup>2</sup>	16 AWG	3	2,5 mm <sup>2</sup>	14 AWG	0	4,0 mm <sup>2</sup>	12 AWG	<b>100</b> 130 124 128 129 125	<b>027637</b> <b>027590</b> <b>027606</b> <b>027613</b> <b>027620</b>																					
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<b>Insulation displacement inserts</b> <span style="color: red; font-weight: bold;">NEW</span>																																													
<b>Female insert</b> (0,5 - 1,5 mm <sup>2</sup> (20-16 AWG)) 1 - 16 <b>710 116 01</b> 17 - 32 <b>710 132 01</b>					<b>10</b> 102 102	<b>293841</b> <b>293889</b>																																							
<b>Male insert</b> (0,5 - 1,5 mm <sup>2</sup> (20-16 AWG)) 1 - 16 <b>710 216 01</b> 17 - 32 <b>710 232 01</b>					<b>10</b> 102 102	<b>293858</b> <b>293919</b>																																							
<b>Coding parts</b> <b>710 607</b> (are slid into the coding grooves) (B 32 inserts can be equipped with max. 8 coding parts)					<b>10</b> 1	<b>293957</b>																																							
<b>Contact arrangement</b>  B: Female inserts S: Male inserts			panel cut out 	view from termination side <table border="1"> <thead> <tr> <th colspan="4">B</th> <th colspan="4">S</th> </tr> </thead> <tbody> <tr> <td>1</td><td>2</td><td>3</td><td>4</td> <td>5</td><td>6</td><td>7</td><td>8</td> </tr> <tr> <td>9</td><td>10</td><td>11</td><td>12</td> <td>13</td><td>14</td><td>15</td><td>16</td> </tr> <tr> <td>17</td><td>18</td><td>19</td><td>20</td> <td>21</td><td>22</td><td>23</td><td>24</td> </tr> <tr> <td>25</td><td>26</td><td>27</td><td>28</td> <td>29</td><td>30</td><td>31</td><td>32</td> </tr> </tbody> </table>	B				S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
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25	26	27	28	29	30	31	32																																						

\*for conductor size see series B16

Description	Part No.	Series B <b>48 P +</b>		EAN-No. 4015609...
<b>Screw contact inserts</b>				
<b>Female inserts*</b>				
Screw terminal <b>with wire protection 1 - 24</b>	<b>710 124</b>	  Dimensions: 104 mm, 37.5 mm, 27 mm		
without wire protection	710 772			
<b>with wire protection 25 - 48</b>	<b>710 148</b>			
without wire protection	710 861			
<b>Male inserts*</b>				
Screw terminal <b>with wire protection 1 - 24</b>	<b>710 224</b>	  Dimensions: 104 mm, 35.5 mm, 27 mm		
without wire protection	710 776			
<b>with wire protection 25 - 48</b>	<b>710 248</b>			
without wire protection	710 862			
<b>Crimp contact carriers</b>				
<b>Contact carriers</b>				
for sleeve contacts 1 - 24	<b>710 324</b>	  Dimensions: 104 mm, 37.5 mm, 27 mm		
for sleeve contacts 25 - 48	<b>710 348</b>			
Please order crimp contacts separately				
<b>Contact carriers</b>				
for pin contacts 1 - 24	<b>710 424</b>	  Dimensions: 104 mm, 35.5 mm, 27 mm		
for pin contacts 25 - 48	<b>710 448</b>			
Please order crimp contacts separately				
<b>Contacts for crimp contact carriers</b>				
		n	conductor size marked by n-grooves	
<b>Sleeve contacts B</b>		0	0,5 mm <sup>2</sup> 20 AWG	<b>100</b>
crimp-type	silver-plated <b>710 504</b> gold-plated 710 842	1	0,75 - 1 mm <sup>2</sup> 18 AWG	<b>160</b>
solid, drilled	<b>710 500</b> 710 843	2	1,5 mm <sup>2</sup> 16 AWG	<b>171</b>
weight per 100	<b>710 501</b> 710 844	3	2,5 mm <sup>2</sup> 14 AWG	<b>173</b>
	<b>710 502</b> 710 845	0	4,0 mm <sup>2</sup> 12 AWG	<b>168</b>
	<b>710 503</b> 710 846			<b>163</b>
<b>Pin contacts B</b>		0	0,5 mm <sup>2</sup> 20 AWG	<b>100</b>
crimp-type	silver-plated <b>710 514</b> gold-plated 710 847	1	0,75 - 1 mm <sup>2</sup> 18 AWG	<b>130</b>
solid, drilled	<b>710 510</b> 710 848	2	1,5 mm <sup>2</sup> 16 AWG	<b>124</b>
weight per 100	<b>710 511</b> 710 849	3	2,5 mm <sup>2</sup> 14 AWG	<b>128</b>
	<b>710 512</b> 710 850	0	4,0 mm <sup>2</sup> 12 AWG	<b>129</b>
	<b>710 513</b> 710 851			<b>125</b>
<b>Insulation displacement inserts</b> <span style="background-color: red; color: white; padding: 2px; border-radius: 50%; font-weight: bold;">NEW</span>				
<b>Female insert</b> (0,5 - 1,5 mm <sup>2</sup> (20-16 AWG))				
1 - 24	<b>710 124 01</b>	  Dimensions: 104 mm, 37.5 mm, 27 mm, 34 mm		
25 - 48	<b>710 148 01</b>			
<b>Male insert</b> (0,5 - 1,5 mm <sup>2</sup> (20-16 AWG))				
1 - 24	<b>710 224 01</b>	  Dimensions: 104 mm, 35.5 mm, 27 mm, 34 mm		
25 - 48	<b>710 248 01</b>			
<b>Coding parts</b> <b>710 607</b>				
(are slid into the coding grooves)				
(B 48 can be equipped with max. 8 coding parts)			1	<b>293957</b>
<b>Contact arrangement</b>				
B: Female inserts S: Male inserts				

\* for conductor size see Series B 24

Description	Part No.		<b>Series BB 64 P + ⊕</b> 16 A / 500 V UL/CSA: 600 V		EAN-No. 4015609...
<b>Crimp contact carriers</b> <span style="color: red; font-weight: bold; border: 1px solid red; border-radius: 50%; padding: 2px;">NEW</span>				<b>10</b> 68 68	469093 469147
<b>Crimp contact carrier</b> for female contacts 1 - 32 <b>710 333</b> for female contacts 33 - 64 <b>710 364</b>  Please order crimp contacts separately				<b>10</b> 58 58	469109 469154
<b>Contact carriers</b> for male contacts 1 - 32 <b>710 433</b> for male contacts 33 - 64 <b>710 464</b>  Please order crimp contacts separately			<b>Contact arrangement</b>  Panel cut out: <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div data-bbox="239 828 574 1108"> </div> <div data-bbox="750 739 1260 1120"> <p>View from termination side:</p> <p>Female insert</p> <p>Male insert</p> </div> </div>		
Description	Part No.		<b>Series BB 92 P + ⊕</b> 16 A / 500 V UL/CSA: 600 V		EAN-No. 4015609...
<b>Crimp contact carriers</b> <span style="color: red; font-weight: bold; border: 1px solid red; border-radius: 50%; padding: 2px;">NEW</span>				<b>10</b> 90 90	469123 469178
<b>Contact carrier</b> for female contacts 1 - 46 <b>710 346</b> for female contacts 47 - 92 <b>710 392</b>  Please order crimp contacts separately				<b>10</b> 74 74	469130 469185
<b>Crimp contact carriers</b> for male contacts 1 - 46 <b>710 446</b> for male contacts 47 - 92 <b>710 492</b>  Please order crimp contacts separately			<b>Contact arrangement</b>  Panel cut out: <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div data-bbox="239 1814 574 2094"> </div> <div data-bbox="750 1724 1260 2105"> <p>View from termination side:</p> <p>Female insert:</p> <p>Male insert</p> </div> </div>		