

Series B

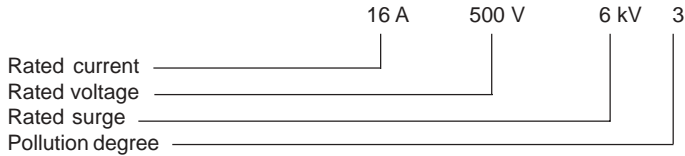
Specifications

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 mm² (14 AWG)
Screw type terminal without wire protection: 4 mm² (12 AWG)
Torque/testing torque: 0,5 Nm
Crimp type terminal: 0,5 - 4 mm² (20 - 12) AWG
Insulation displacement terminal: 0,5 - 1,5 mm² (20 - 16 AWG)

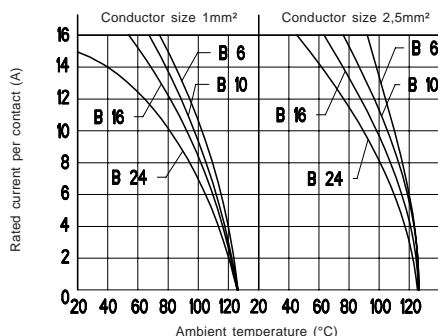
Housings

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 conductor size) circulate through DIN/IEC 512 applies to such kind of current which can - depending 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

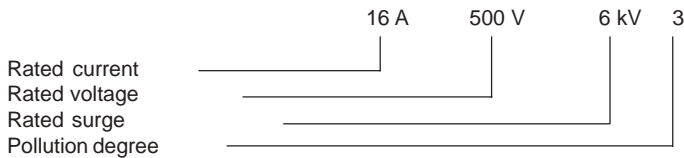
Specifications

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

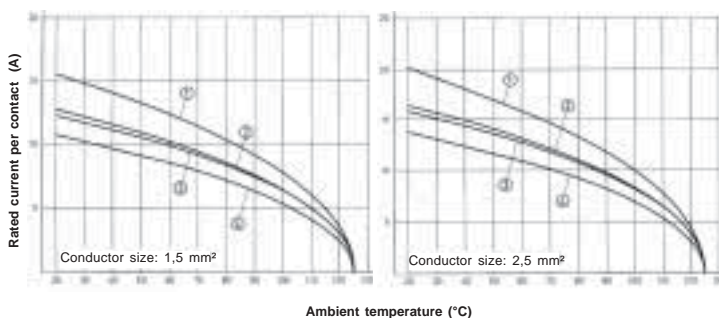
Temperature range: - 40 °C up to + 125 °C

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

Page

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 -




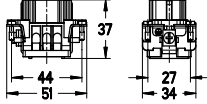

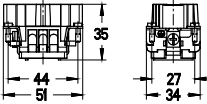

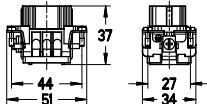

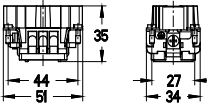



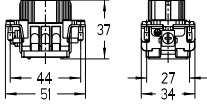

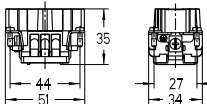







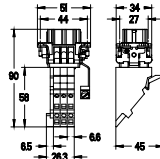

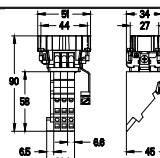

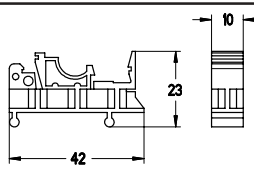
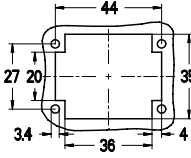
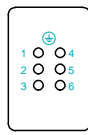
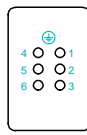




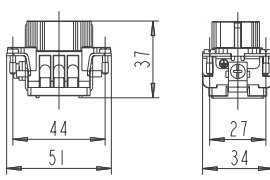

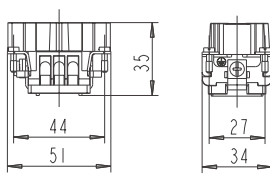
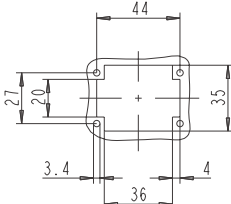
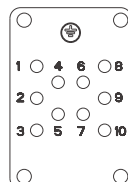
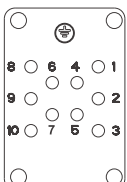
BB 92 poles + PE





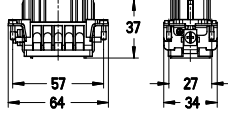

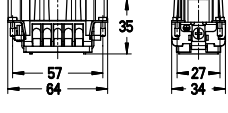

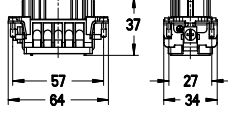

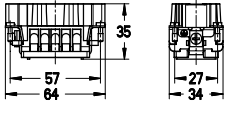


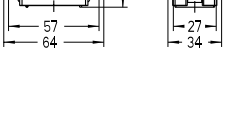



Inserts 32





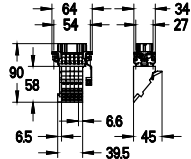

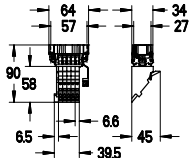

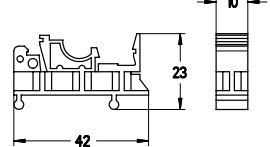
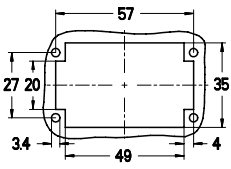
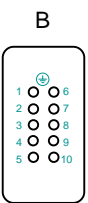
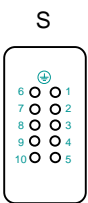





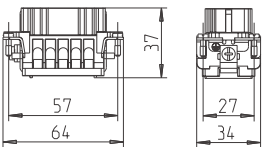

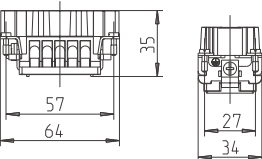
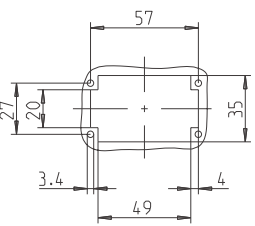
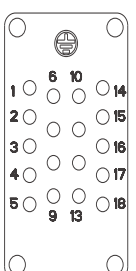
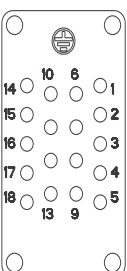
- short overview see page 136 -
- matching housings s. page 137 -





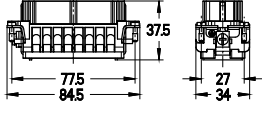

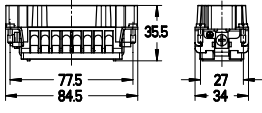

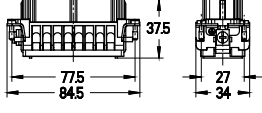

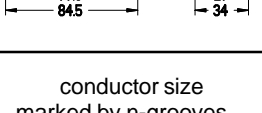

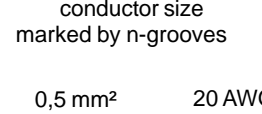










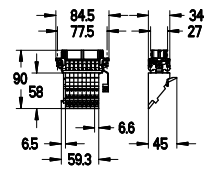

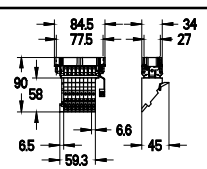

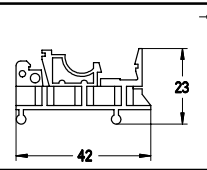
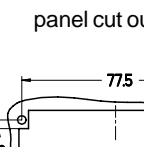
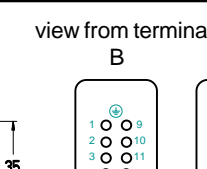
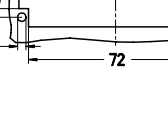
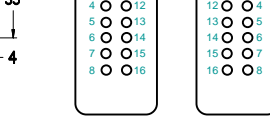
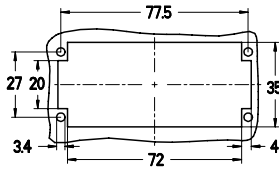
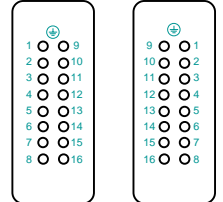




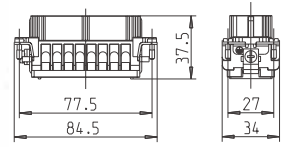

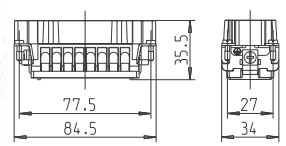
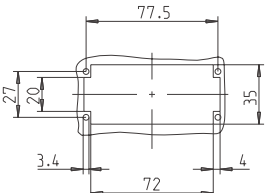
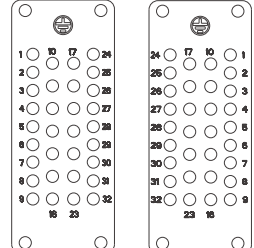
Description	Part No.		Series B 6 P + ⊕ 16 A / 500 V UL/CSA: 600 V	 	EAN-No. 4015609...																			
Screw terminal inserts																								
Female inserts screw terminal with wire protection 0,5-2,5 mm ² (20-14 AWG)					10 52	027309																		
without wire protection 0,5-4 mm ² (20-12 AWG)					49	029303																		
Male inserts screw terminal with wire protection 0,5-2,5 mm ² (20-14 AWG)					10 50	027361																		
without wire protection 0,5-4 mm ² (20-12 AWG)					47	029341																		
Crimp contact carriers																								
Contact carrier for sleeve contacts					10 40	027422																		
Please order crimp contacts separately																								
Contact carrier for pin contacts					10 38	027484																		
Please order crimp contacts separately																								
Contacts for crimp contact carriers																								
			conductor size marked by n-grooves																					
Sleeve contacts 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 mm²</td> <td>20 AWG</td> </tr> <tr> <td>1</td> <td>0,75 - 1 mm²</td> <td>18 AWG</td> </tr> <tr> <td>2</td> <td>1,5 mm²</td> <td>16 AWG</td> </tr> <tr> <td>3</td> <td>2,5 mm²</td> <td>14 AWG</td> </tr> <tr> <td>0</td> <td>4,0 mm²</td> <td>12 AWG</td> </tr> </tbody> </table>	n	conductor size	marked by n-grooves	0	0,5 mm ²	20 AWG	1	0,75 - 1 mm ²	18 AWG	2	1,5 mm ²	16 AWG	3	2,5 mm ²	14 AWG	0	4,0 mm ²	12 AWG	100 160 171 173 168 163	027583 027545 027552 027569 027576
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silver-plated gold-plated 710 504 710 842 710 500 710 843 710 501 710 844 710 502 710 845 710 503 710 846																								
Pin contacts 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 mm²</td> <td>20 AWG</td> </tr> <tr> <td>1</td> <td>0,75 - 1 mm²</td> <td>18 AWG</td> </tr> <tr> <td>2</td> <td>1,5 mm²</td> <td>16 AWG</td> </tr> <tr> <td>3</td> <td>2,5 mm²</td> <td>14 AWG</td> </tr> <tr> <td>0</td> <td>4,0 mm²</td> <td>12 AWG</td> </tr> </tbody> </table>	n	conductor size	marked by n-grooves	0	0,5 mm ²	20 AWG	1	0,75 - 1 mm ²	18 AWG	2	1,5 mm ²	16 AWG	3	2,5 mm ²	14 AWG	0	4,0 mm ²	12 AWG	100 130 124 128 129 125	027637 027590 027606 027613 027620
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silver-plated gold-plated 710 514 710 847 710 510 710 848 710 511 710 849 710 512 710 850 710 513 710 851																								
Insulation displacement inserts NEW																								
Female insert 0,5 - 1,5 mm ² (20-16 AWG)					10 56	293803																		
Male insert 0,5 - 1,5 mm ² (20-16 AWG)					10 56	293810																		
Coding parts (are slid into the coding grooves) <i>(B 6 inserts can be equipped with max. 2 coding parts)</i>					10 1	293957																		





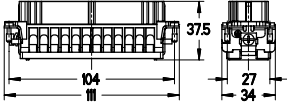

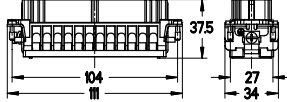



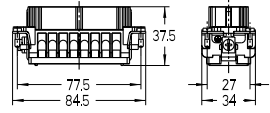

Description	Part No.	Series B 6 P +  16 A / 500 V UL/CSA: 600 V	  9 EAN-No. 4015609...
Wiring adapters		 	10 84 028276 84 028313
Female inserts earth pin right 710 657 earth pin left 0,5-2,5 mm ² (20-14 AWG) 710 661			
Male inserts earth pin right 710 665 earth pin left 0,5-2,5 mm ² (20-14 AWG) 710 669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




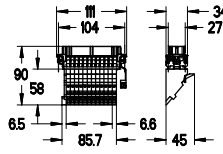

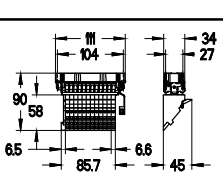

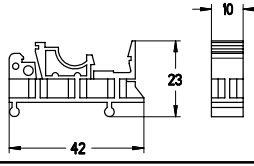
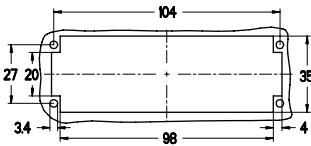



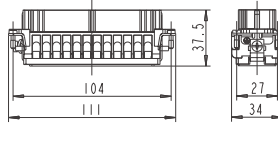

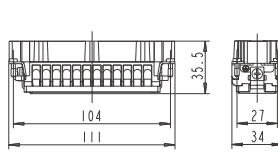
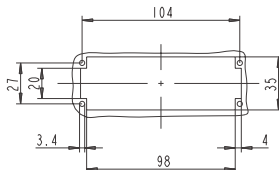
Description	Part No.		Series B 10 P +  16 A / 500 V UL/CSA: 600 V	 	EAN-No. 4015609...	
Screw terminal inserts						
Female inserts screw terminal with wire protection 0,5-2,5 mm ² (20-14 AWG) without wire protection 0,5-4 mm ² (20-12 AWG)					10 69 65	027316 029310
710 110 710 770					10 65 60	027378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

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

Description	Part No.		Series B 16 P +  16 A / 500 V UL/CSA: 600 V	 	EAN-No. 4015609...																									
Screw terminal inserts																														
Female inserts screw terminal with wire protection 0,5-2,5 mm ² (20-14 AWG) without wire protection 0,5-4 mm ² (20-12 AWG)					10 94 90	027323 029327																								
710 116 710 771	710 116 710 771				10 94 90	027385 029365																								
Male inserts screw terminal with wire protection 0,5-2,5 mm ² (20-14 AWG) without wire protection 0,5-4 mm ² (20-12 AWG)																														
710 216 710 775	710 216 710 775				10 68	027446																								
Crimp contact carriers																														
Contact carrier for sleeve contacts Please order crimp contacts separately					10 63	027507																								
710 316 Please order crimp contacts separately	710 316				10 63	027507																								
710 416 Please order crimp contacts separately	710 416																													
Contacts for crimp contact carriers																														
Sleeve contacts B																														
crimp-type solid, drilled weight per 100	silver-plated 710 504 710 500 710 501 710 502 710 503	gold-plated 710 842 710 843 710 844 710 845 710 846		<table border="0"> <thead> <tr> <th>n</th> <th colspan="2">conductor size marked by n-grooves</th> <th></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0,5 mm²</td> <td>20 AWG</td> <td>160</td> </tr> <tr> <td>1</td> <td>0,75 - 1 mm²</td> <td>18 AWG</td> <td>171</td> </tr> <tr> <td>2</td> <td>1,5 mm²</td> <td>16 AWG</td> <td>173</td> </tr> <tr> <td>3</td> <td>2,5 mm²</td> <td>14 AWG</td> <td>168</td> </tr> <tr> <td>0</td> <td>4,0 mm²</td> <td>12 AWG</td> <td>163</td> </tr> </tbody> </table>	n	conductor size marked by n-grooves			0	0,5 mm ²	20 AWG	160	1	0,75 - 1 mm ²	18 AWG	171	2	1,5 mm ²	16 AWG	173	3	2,5 mm ²	14 AWG	168	0	4,0 mm ²	12 AWG	163	100 160 171 173 168 163	027583 027545 027552 027569 027576
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1	0,75 - 1 mm ²	18 AWG	171																											
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3	2,5 mm ²	14 AWG	168																											
0	4,0 mm ²	12 AWG	163																											
crimp-type solid, drilled weight per 100	silver-plated 710 514 710 510 710 511 710 512 710 513	gold-plated 710 847 710 848 710 849 710 850 710 851		<table border="0"> <thead> <tr> <th>n</th> <th colspan="2">conductor size marked by n-grooves</th> <th></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0,5 mm²</td> <td>20 AWG</td> <td>130</td> </tr> <tr> <td>1</td> <td>0,75 - 1 mm²</td> <td>18 AWG</td> <td>124</td> </tr> <tr> <td>2</td> <td>1,5 mm²</td> <td>16 AWG</td> <td>128</td> </tr> <tr> <td>3</td> <td>2,5 mm²</td> <td>14 AWG</td> <td>129</td> </tr> <tr> <td>0</td> <td>4,0 mm²</td> <td>12 AWG</td> <td>125</td> </tr> </tbody> </table>	n	conductor size marked by n-grooves			0	0,5 mm ²	20 AWG	130	1	0,75 - 1 mm ²	18 AWG	124	2	1,5 mm ²	16 AWG	128	3	2,5 mm ²	14 AWG	129	0	4,0 mm ²	12 AWG	125	100 130 124 128 129 125	027637 027590 027606 027613 027620
n	conductor size marked by n-grooves																													
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0	4,0 mm ²	12 AWG	125																											
Insulation displacement inserts 																														
Female insert 0,5 - 1,5 mm ² (20-16 AWG)					10 102	293841																								
710 116 01	710 116 01				10 102	293858																								
710 216 01	710 216 01				10 1	293957																								
Coding parts (are slid into the coding grooves) (B 16 inserts can be equipped with max. 4 coding parts)																														
710 607	710 607																													

Description	Part No.	Series B 16 P +  16 A / 500 V UL/CSA: 600 V	  EAN-No. 4015609...
Wiring adapters			
Female insert earth pin right	710 659	 	10 136 028290
earth pin left 0,5-2,5 mm ² (20-14 AWG)	710 663	 	10 135 028337
Male insert earth pin right	710 667	 	10 135 028375
earth pin left 0,5-2,5 mm ² (20-14 AWG)	710 671	 	10 135 028412
Combi snap element 2 pieces per adapter needed	710 807	 	10 4 029617
Contact arrangement			
B: Female insert S: Male insert		panel cut out  view from termination side 	
Series BB			
Description	Part No.	32 P +  16 A / 500 V UL/CSA: 600 V	  EAN-No. 4015609...
Crimp contact carriers			
Contact carriers for female contacts	710 333	 	10 68 469093
Please order crimp contacts separately		 	10 58 469109
Contact arrangement		Panel cut out:  View from termination side: 	

Description	Part No.		Series B 24 P +  16 A / 500 V UL/CSA: 600 V	 	EAN-No. 4015609...																		
Screw terminal inserts																							
Female inserts screw terminal with wire protection 0,5-2,5 mm ² (20-14 AWG) without wire protection 0,5-4 mm ² (20-12 AWG)			 	10 138 134	027330 029334																		
710 124 710 772	Male inserts screw terminal with wire protection 0,5-2,5 mm ² (20-14 AWG) without wire protection 0,5-4 mm ² (20-12 AWG)			10 118 114	027392 029372																		
710 224 710 776	Crimp contact carriers																						
Contact carrier for sleeve contacts Please order crimp contacts separately			 	10 88	027453																		
710 324	Contact carriers for pin contacts Please order crimp contacts separately			10 80	027514																		
710 424	Contacts for crimp contact carriers																						
Sleeve contacts 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 mm²</td><td>20 AWG</td></tr> <tr><td>1</td><td>0,75 - 1 mm²</td><td>18 AWG</td></tr> <tr><td>2</td><td>1,5 mm²</td><td>16 AWG</td></tr> <tr><td>3</td><td>2,5 mm²</td><td>14 AWG</td></tr> <tr><td>0</td><td>4,0 mm²</td><td>12 AWG</td></tr> </tbody> </table>	n	conductor size marked by n-grooves		0	0,5 mm ²	20 AWG	1	0,75 - 1 mm ²	18 AWG	2	1,5 mm ²	16 AWG	3	2,5 mm ²	14 AWG	0	4,0 mm ²	12 AWG	100 160 171 173 168 163	027583 027545 027552 027569 027576
n	conductor size marked by n-grooves																						
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silver-plated 710 504 gold-plated 710 842 silver-plated 710 500 gold-plated 710 843 silver-plated 710 501 gold-plated 710 844 silver-plated 710 502 gold-plated 710 845 silver-plated 710 503 gold-plated 710 846	Pin contacts B crimp-type solid, drilled weight per 100			100 130 124 128 129 125	027637 027590 027606 027613 027620																		
silver-plated 710 514 gold-plated 710 847 silver-plated 710 510 gold-plated 710 848 silver-plated 710 511 gold-plated 710 849 silver-plated 710 512 gold-plated 710 850 silver-plated 710 513 gold-plated 710 851	Insulation displacement inserts 																						
Female insert 0,5 - 1,5 mm ² (20-16 AWG)			 	10 135	293865																		
710 124 01	Male insert 0,5 - 1,5 mm ² (20-16 AWG)			10 135	293872																		
710 224 01	Coding parts (are slid into the coding grooves) <i>(B 24 inserts can be equipped with max. 4 coding parts)</i>			10 1	293957																		
710 607																							

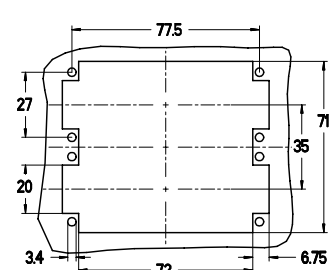
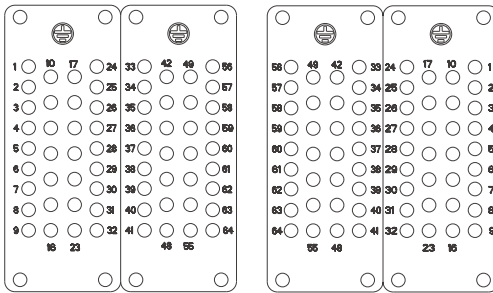
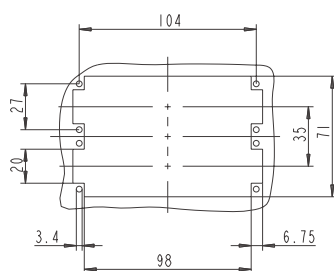
Description	Part No.	Series B 24 P + ⊕ 16 A / 500 V UL/CSA: 600 V	  9 EAN-No. 4015609...																												
Wiring adapters																															
Female inserts																															
earth pin right	710 660	 	10 140 028306 140 028344																												
earth pin left 0,5-2,5 mm ² (20-14 AWG)	710 664																														
Male inserts																															
earth pin right	710 668	 	10 241 028382 241 028429																												
earth pin left 0,5-2,5 mm ² (20-14 AWG)	710 672																														
Combi snap element																															
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Contact arrangement																															
B: Female insert S: Male insert																															
Panel cut out:  View from termination side: <table border="1" data-bbox="1117 902 1308 1216" style="margin-left: 20px;"> <thead> <tr> <th>B</th> <th>S</th> </tr> </thead> <tbody> <tr><td>1 ⊕</td><td>13 ⊕</td></tr> <tr><td>2 ⊕</td><td>14 ⊕</td></tr> <tr><td>3 ⊕</td><td>15 ⊕</td></tr> <tr><td>4 ⊕</td><td>16 ⊕</td></tr> <tr><td>5 ⊕</td><td>17 ⊕</td></tr> <tr><td>6 ⊕</td><td>18 ⊕</td></tr> <tr><td>7 ⊕</td><td>19 ⊕</td></tr> <tr><td>8 ⊕</td><td>20 ⊕</td></tr> <tr><td>9 ⊕</td><td>21 ⊕</td></tr> <tr><td>10 ⊕</td><td>22 ⊕</td></tr> <tr><td>11 ⊕</td><td>23 ⊕</td></tr> <tr><td>12 ⊕</td><td>24 ⊕</td></tr> </tbody> </table>				B	S	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	Part No.	Series BB 46 P + ⊕ 16 A / 500 V UL/CSA: 600 V	  9 EAN-No. 4015609...																												
Crimp contact carriers																															
NEW																															
Contact carriers																															
for female contacts	710 346	 	10 90 469123																												
Please order crimp contacts separately																															
Contact carriers																															
for male contacts	710 446	 	10 74 469130																												
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Contact arrangement																															
Panel cut out:  View from termination side: <table border="1" data-bbox="1085 1854 1308 2112" style="margin-left: 20px;"> <thead> <tr> <th>Female insert</th> <th>Male insert</th> </tr> </thead> <tbody> <tr><td>1 ⊕</td><td>34 ⊕</td></tr> <tr><td>2 ⊕</td><td>35 ⊕</td></tr> <tr><td>3 ⊕</td><td>36 ⊕</td></tr> <tr><td>4 ⊕</td><td>37 ⊕</td></tr> <tr><td>5 ⊕</td><td>38 ⊕</td></tr> <tr><td>6 ⊕</td><td>39 ⊕</td></tr> <tr><td>7 ⊕</td><td>40 ⊕</td></tr> <tr><td>8 ⊕</td><td>41 ⊕</td></tr> <tr><td>9 ⊕</td><td>42 ⊕</td></tr> <tr><td>10 ⊕</td><td>43 ⊕</td></tr> <tr><td>11 ⊕</td><td>44 ⊕</td></tr> <tr><td>12 ⊕</td><td>45 ⊕</td></tr> <tr><td>13 ⊕</td><td>46 ⊕</td></tr> </tbody> </table>				Female insert	Male insert	1 ⊕	34 ⊕	2 ⊕	35 ⊕	3 ⊕	36 ⊕	4 ⊕	37 ⊕	5 ⊕	38 ⊕	6 ⊕	39 ⊕	7 ⊕	40 ⊕	8 ⊕	41 ⊕	9 ⊕	42 ⊕	10 ⊕	43 ⊕	11 ⊕	44 ⊕	12 ⊕	45 ⊕	13 ⊕	46 ⊕
Female insert	Male insert																														
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Contact carriers for sleeve contacts 1 - 16 710 316 for sleeve contacts 17 - 32 710 332 Please order crimp contacts separately					10 68 68	027446 027460																																							
Contact carriers for pin contacts 1 - 16 710 416 for pin contacts 17 - 32 710 432 Please order crimp contacts separately					10 63 63	027507 027521																																							
Contacts for crimp contact carriers																																													
Sleeve contacts B silver-plated gold-plated crimp-type 710 504 710 842 solid, drilled 710 500 710 843 weight per 100 710 501 710 844 710 502 710 845 710 503 710 846				<table border="0"> <tr> <td>n</td> <td colspan="2">conductor size marked by n-grooves</td> </tr> <tr> <td>0</td> <td>0,5 mm²</td> <td>20 AWG</td> </tr> <tr> <td>1</td> <td>0,75 - 1 mm²</td> <td>18 AWG</td> </tr> <tr> <td>2</td> <td>1,5 mm²</td> <td>16 AWG</td> </tr> <tr> <td>3</td> <td>2,5 mm²</td> <td>14 AWG</td> </tr> <tr> <td>0</td> <td>4,0 mm²</td> <td>12 AWG</td> </tr> </table>	n	conductor size marked by n-grooves		0	0,5 mm ²	20 AWG	1	0,75 - 1 mm ²	18 AWG	2	1,5 mm ²	16 AWG	3	2,5 mm ²	14 AWG	0	4,0 mm ²	12 AWG	100 160 171 173 168 163	027583 027545 027552 027569 027576																					
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Pin contacts B silver-plated gold-plated crimp-type 710 514 710 847 solid, drilled 710 510 710 848 weight per 100 710 511 710 849 710 512 710 850 710 513 710 851				<table border="0"> <tr> <td>n</td> <td colspan="2">conductor size marked by n-grooves</td> </tr> <tr> <td>0</td> <td>0,5 mm²</td> <td>20 AWG</td> </tr> <tr> <td>1</td> <td>0,75 - 1 mm²</td> <td>18 AWG</td> </tr> <tr> <td>2</td> <td>1,5 mm²</td> <td>16 AWG</td> </tr> <tr> <td>3</td> <td>2,5 mm²</td> <td>14 AWG</td> </tr> <tr> <td>0</td> <td>4,0 mm²</td> <td>12 AWG</td> </tr> </table>	n	conductor size marked by n-grooves		0	0,5 mm ²	20 AWG	1	0,75 - 1 mm ²	18 AWG	2	1,5 mm ²	16 AWG	3	2,5 mm ²	14 AWG	0	4,0 mm ²	12 AWG	100 130 124 128 129 125	027637 027590 027606 027613 027620																					
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Insulation displacement inserts NEW																																													
Female insert (0,5 - 1,5 mm ² (20-16 AWG)) 1 - 16 710 116 01 17 - 32 710 132 01					10 102 102	293841 293889																																							
Male insert (0,5 - 1,5 mm ² (20-16 AWG)) 1 - 16 710 216 01 17 - 32 710 232 01					10 102 102	293858 293919																																							
Coding parts 710 607 (are slid into the coding grooves) (B 32 inserts can be equipped with max. 8 coding parts)					10 1	293957																																							
Contact arrangement B: Female inserts S: Male inserts			panel cut out 	view from termination side <table border="0"> <tr> <td colspan="4" style="text-align: center;">B</td> <td colspan="4" style="text-align: center;">S</td> </tr> <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> <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> <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> </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	
B				S																																									
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17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32																														

*for conductor size see series B16

Description	Part No.	Series B 48 P +	 9	EAN-No. 4015609...
Screw contact inserts				
Female inserts*				
Screw terminal with wire protection 1 - 24	710 124	 	10	138 027330
without wire protection	710 772			130 029334
with wire protection 25 - 48	710 148	 	10	138 027354
without wire protection	710 861			130 167470
Male inserts*				
Screw terminal with wire protection 1 - 24	710 224	 	10	118 027392
without wire protection	710 776			110 029372
with wire protection 25 - 48	710 248	 	10	118 027415
without wire protection	710 862			110 167487
Crimp contact carriers				
Contact carriers				
for sleeve contacts 1 - 24	710 324	 	10	88 027453
for sleeve contacts 25 - 48	710 348			88 027477
Please order crimp contacts separately				
Contact carriers				
for pin contacts 1 - 24	710 424	 	10	80 027514
for pin contacts 25 - 48	710 448			80 027538
Please order crimp contacts separately				
Contacts for crimp contact carriers				
Sleeve contacts B		n	conductor size marked by n-grooves	
	silver-plated	gold-plated		
crimp-type	710 504	710 842	0 0,5 mm ² 20 AWG	100 160 027583
solid, drilled	710 500	710 843	1 0,75 - 1 mm ² 18 AWG	171 027545
weight per 100	710 501	710 844	2 1,5 mm ² 16 AWG	173 027552
	710 502	710 845	3 2,5 mm ² 14 AWG	168 027569
	710 503	710 846	0 4,0 mm ² 12 AWG	163 027576
Pin contacts B		silver-plated	gold-plated	
crimp-type	710 514	710 847	0 0,5 mm ² 20 AWG	100 130 027637
solid, drilled	710 510	710 848	1 0,75 - 1 mm ² 18 AWG	124 027590
weight per 100	710 511	710 849	2 1,5 mm ² 16 AWG	128 027606
	710 512	710 850	3 2,5 mm ² 14 AWG	129 027613
	710 513	710 851	0 4,0 mm ² 12 AWG	125 027620
Insulation displacement inserts NEW				
Female insert (0,5 - 1,5 mm ² (20-16 AWG))				
1 - 24	710 124 01	 	10	135 293865
25 - 48	710 148 01			135 293933
Male insert (0,5 - 1,5 mm ² (20-16 AWG))				
1 - 24	710 224 01	 	10	135 293872
25 - 48	710 248 01			135 293940
Coding parts		710 607		
(are slided into the coding grooves)				
(B 48 can be equipped with max. 8 coding parts)				
Contact arrangement				
B: Female inserts S: Male inserts				

* for conductor size see Series B 24

Description	Part No.		Series BB 64 P + ⊕ 16 A / 500 V UL/CSA: 600 V		EAN-No. 4015609...
Crimp contact carriers NEW					
Crimp contact carrier for female contacts 1 - 32 710 333 for female contacts 33 - 64 710 364 Please order crimp contacts separately				10 68 68	469093 469147
Contact carriers for male contacts 1 - 32 710 433 for male contacts 33 - 64 710 464 Please order crimp contacts separately				10 58 58	469109 469154
Contact arrangement Panel cut out: 			View from termination side: Female insert Male insert 		
Description	Part No.		Series BB 92 P + ⊕ 16 A / 500 V UL/CSA: 600 V		EAN-No. 4015609...
Crimp contact carriers NEW					
Contact carrier for female contacts 1 - 46 710 346 for female contacts 47 - 92 710 392 Please order crimp contacts separately				10 90 90	469123 469178
Crimp contact carriers for male contacts 1 - 46 710 446 for male contacts 47 - 92 710 492 Please order crimp contacts separately				10 74 74	469130 469185
Contact arrangement Panel cut out: 			View from termination side: Female insert: Male insert 