

Series B 6 - B 48: Screwless connection with insulation displacement technique

When using series B inserts with insulation displacement technique you simply insert the **unstripped** cable into the opened contact sleeve and push back the bladed slide with a screw driver - ready.

- Proofpoint inside the slide
- No splitting of wires with flexible cables
- Compatible with series B screw or crimp inserts

Advantages

- No stripping of cables
- No wire end ferrules
- No screws

Saves up to 60 % connection time

Coding

In addition to the known coding systems there is a simple and unexpensive plug-in coding part available. Depending on the size of the pin or sleeve insert you can use 2, 4 or 8 coding parts.



Walther multipole heavy duty connectors series B 6 and B 48 come only with single locking system, the connectors series B 32 only with double locking system. Series B 10, 16 and 24 are available in both versions.

Screw terminal inserts are available either with or without wire protection saddles which save time when mounting crimp-type pin terminals. All Walther contacts have open, captive screws.

In case connectors have to be disconnected frequently, wall-mount housings or panel sockets with hinged spring cover and single locking system should be used.



Series B is available either with

- screw terminal inserts
- crimp type contact carriers
- inserts with the new insulation displacement technique for fast mounting

Snap-on mounting adapters are ideal for the use in switch cabinets where an additional guiding and sealing of the inserts by means of aluminium housings is no longer required.

The swing-type insertion plate makes wiring of the contact carriers fast and easy.



NEW in Series B 6 - B 24:

More possibilities with exchangeable locking levers



Simple and cost-saving exchange of single and double locking levers in the case of damage or fatigue of material. Just impress replacement lever in axial direction onto the bolts until they lock in place.

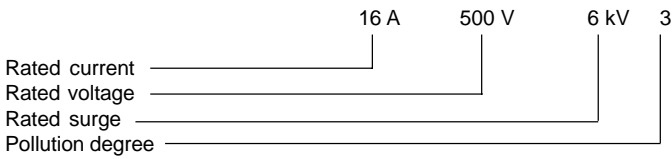


Series B

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

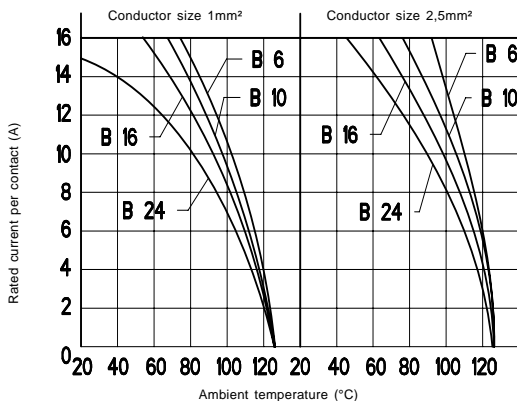
Contacts

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 ² (14 AWG)
Screw type terminal without wire protection:	4 mm ² (12 AWG)
Torque/Testing torque:	0.5 Nm
Crimp type terminal:	0.5 - 4 mm ² (20 - 12) AWG
Wire stripping length:	7 mm with screw and crimp contacts
Insulation displacement terminal:	0.5 - 2.5 mm ² (20 - 14 AWG)

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 60 512 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.



Page

B 6 pole + PE

Inserts 22 - 23

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B 10 pole + PE

Inserts 24 - 25

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B 16 pole + PE

Inserts 26 - 27

Short overview see page 116
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B 24 pole + PE

Inserts 28 - 29

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B 32 pole + PE

Inserts 30

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 Matching housings see page 135



B 48 pole + PE

Inserts 31

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Series BB

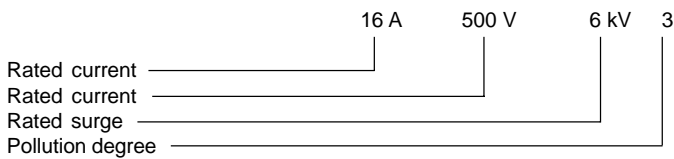
Specifications

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

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

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 UL 94: V 0
 Mechanical operating life:
 Mating cycles: ≤ 500

Contacts

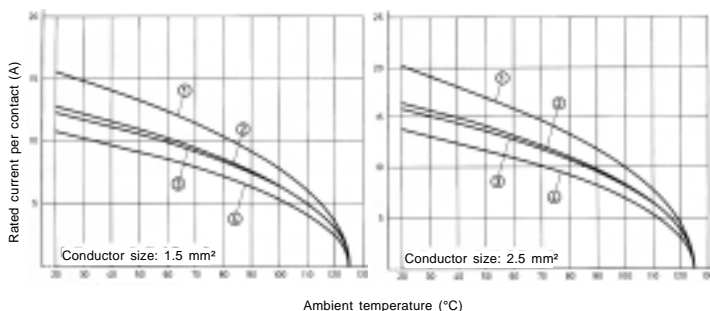
Material: copper alloy
 Surface - hard silver plated: 3 µm Ag
 - hard gold plated: 2 µm Au over 3 µm Ni

Contact resistance: ≤ 1 mΩ
 Crimp type terminal: 0.5 - 4 mm² (20 - 12) AWG
 Wire stripping length: 7 mm

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 60 512 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

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BB 18 pole + PE

Inserts 25

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BB 32 pole + PE

Inserts 27

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BB 46 pole + PE

Inserts 29

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BB 64 pole + PE

Inserts 32

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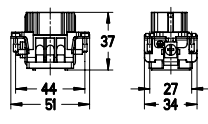



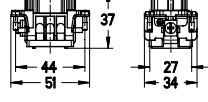





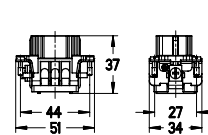

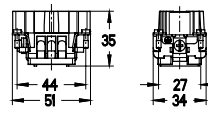






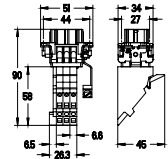

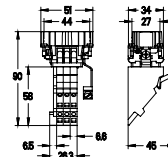

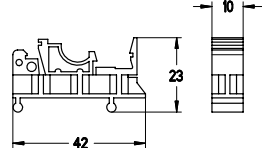
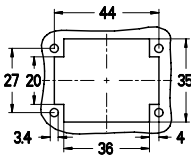
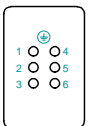
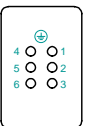



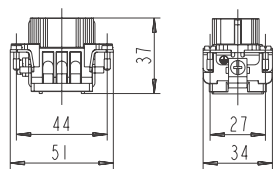

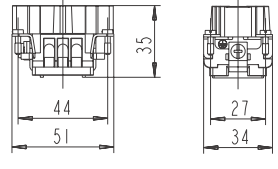
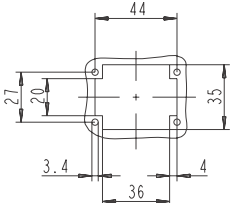
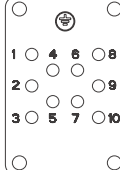
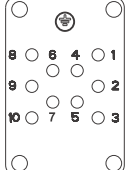
BB 92 pole + PE




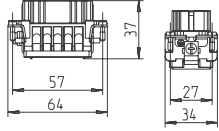

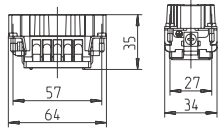

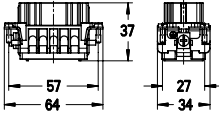

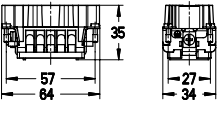







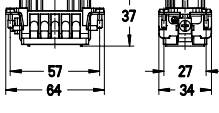

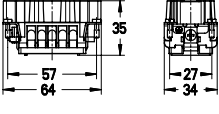

Inserts 32




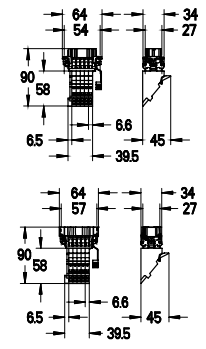

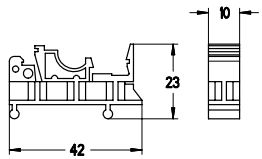
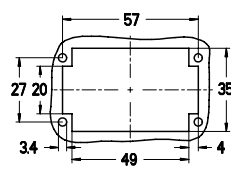
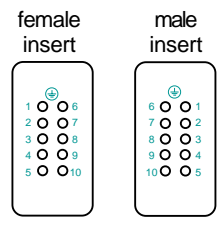



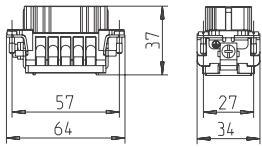

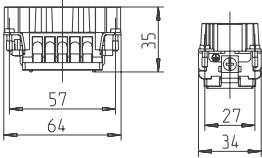
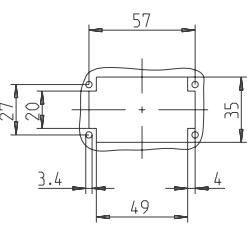
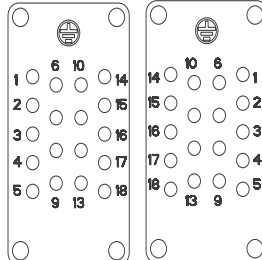
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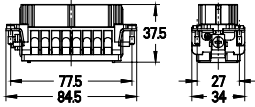

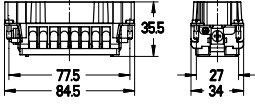

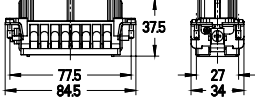

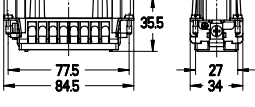



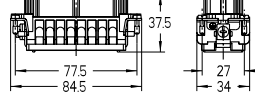

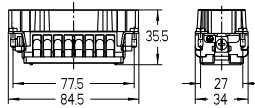






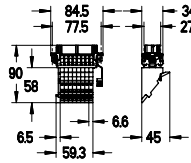
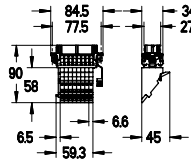

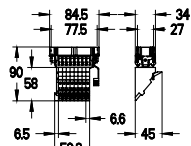
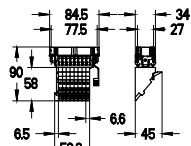

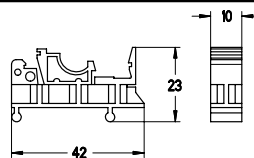
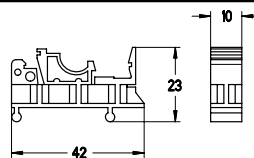
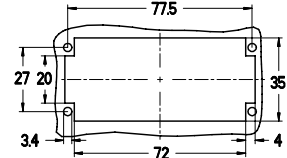
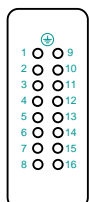
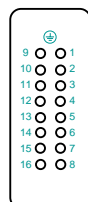



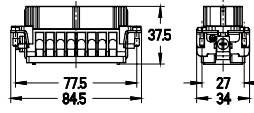
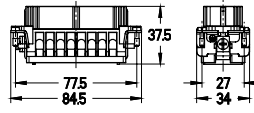

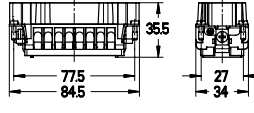
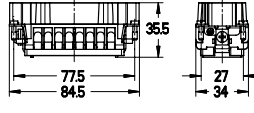
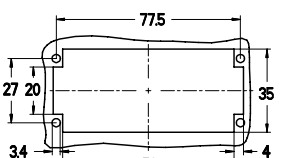
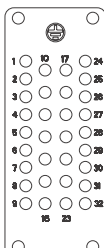
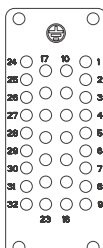
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Screw terminal inserts					
Female insert screw terminal with wire protection 0.5 - 2.5 mm ² (20-14 AWG)	710 106		 	10 52	027309
without wire protection 0.5 - 4 mm ² (20-12 AWG)	710 769			49	029303
Male insert screw terminal with wire protection 0.5 - 2.5 mm ² (20-14 AWG)	710 206		 	10 50	027361
without wire protection 0.5 - 4 mm ² (20-12 AWG)	710 773			47	029341
Crimp contact carriers					
Contact carrier for sleeve contacts	710 306		 	10 40	027422
- Please order crimp contacts separately -					
Contact carrier for pin contacts	710 406		 	10 38	027484
- Please order crimp contacts separately -					
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	Number of grooves = n  0 1 2 3 0	conductor size and reference to the number of n-grooves: 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	100 160 171 173 168 163
Pin contacts B 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	n  0 1 2 3 0	conductor size and reference to the number of n-grooves: 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
Insulation displacement inserts					
Female insert 0.5 - 2.5 mm ² (20-14 AWG)	710 106 01		 	10 56	293803
Male insert 0.5 - 2.5 mm ² (20-14 AWG)	710 206 01		 	10 56	293810
Coding part (to be slid into the coding grooves) (B 6 inserts can be equipped with max. 2 coding parts)	710 607			10 1	293957





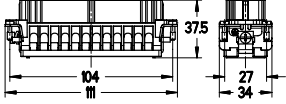
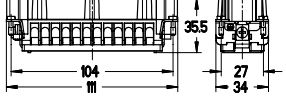


Description	Part No.		Series B 6 P + ⊕ 16 A / 500 V UL/CSA: 600 V	 	EAN No. 4015609...
Wiring adapters			 	10 84 84	028276 028313
Female inserts earth pin to the right earth pin to the left 0.5 - 2.5 mm ² (20-14 AWG)	710 657 710 661		 	10 85 85	028351 028399
Combi snap element 1 piece required per adapter	710 807		 	10 4	029617
Contact arrangement			panel cut out view from termination side female insert male insert   		
Description	Part No.		Series BB 10 P + ⊕ 16 A / 500 V UL/CSA: 600 V	 	EAN No. 4015609...
Crimp contact carrier			 	10 42	469055
Contact carrier for sleeve contacts - Please order crimp contacts separately -	710311		 	10 40	469062
Contact carrier for pin contacts - Please order crimp contacts separately -	710411		panel cut out view from termination side female insert male insert   		




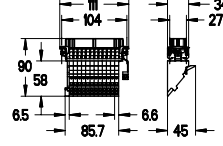

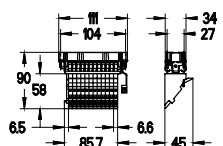

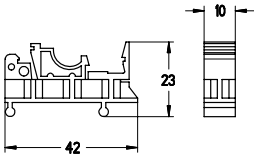
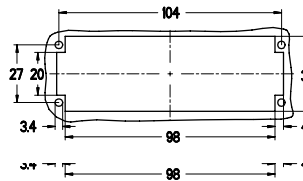
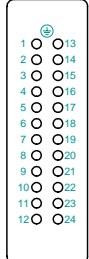
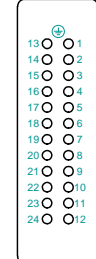
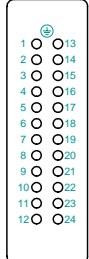
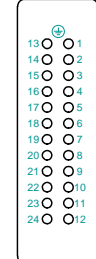
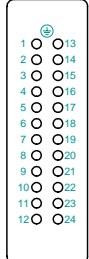
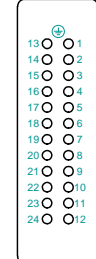



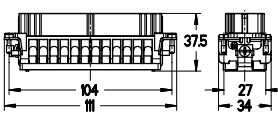

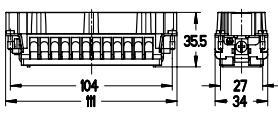
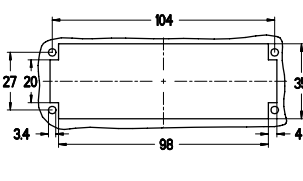
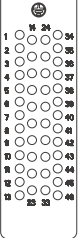
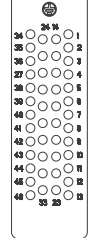
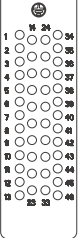
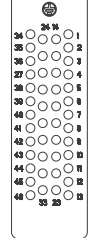
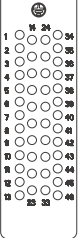
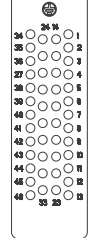
Description	Part No.	Series B 10 P + ⊕ 16 A / 500 V UL/CSA: 600 V	  9	EAN No. 4015609...																																				
Screw terminal inserts																																								
Female insert screw terminal with wire protection 0.5 - 2.5 mm ² (20-14 AWG) without wire protection 0.5 - 4 mm ² (20-12 AWG)	710 110 710 770	 	10 69 65	027316 029310																																				
Male insert 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)	710 210 710 774	 	10 65 60	027378 029358																																				
Crimp contact carriers																																								
Contact carrier for sleeve contacts <i>- Please order crimp contacts separately -</i>	710 310	 	10 49	027439																																				
Contact carrier for pin contacts <i>- Please order crimp contacts separately -</i>	710 410	 	10 46	027491																																				
Contacts for crimp contact carriers																																								
Sleeve contacts B crimp-type solid, drilled weight per 100	<table border="0"> <tr> <td>silver-plated</td> <td>gold-plated</td> </tr> <tr> <td>710 504</td> <td>710 842</td> </tr> <tr> <td>710 500</td> <td>710 843</td> </tr> <tr> <td>710 501</td> <td>710 844</td> </tr> <tr> <td>710 502</td> <td>710 845</td> </tr> <tr> <td>710 503</td> <td>710 846</td> </tr> </table>	silver-plated	gold-plated	710 504	710 842	710 500	710 843	710 501	710 844	710 502	710 845	710 503	710 846	<table border="0"> <tr> <td>number of grooves =</td> <td>n</td> <td colspan="2">conductor size and reference to the number of n-grooves:</td> </tr> <tr> <td></td> <td>0</td> <td>0.5 mm²</td> <td>20 AWG</td> </tr> <tr> <td></td> <td>1</td> <td>0.75 - 1 mm²</td> <td>18 AWG</td> </tr> <tr> <td></td> <td>2</td> <td>1.5 mm²</td> <td>16 AWG</td> </tr> <tr> <td></td> <td>3</td> <td>2.5 mm²</td> <td>14 AWG</td> </tr> <tr> <td></td> <td>0</td> <td>4.0 mm²</td> <td>12 AWG</td> </tr> </table>	number of grooves =	n	conductor size and reference to the number of 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
silver-plated	gold-plated																																							
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Pin contacts B crimp-type solid, drilled weight per 100	<table border="0"> <tr> <td>silver-plated</td> <td>gold-plated</td> </tr> <tr> <td>710 514</td> <td>710 847</td> </tr> <tr> <td>710 510</td> <td>710 848</td> </tr> <tr> <td>710 511</td> <td>710 849</td> </tr> <tr> <td>710 512</td> <td>710 850</td> </tr> <tr> <td>710 513</td> <td>710 851</td> </tr> </table>	silver-plated	gold-plated	710 514	710 847	710 510	710 848	710 511	710 849	710 512	710 850	710 513	710 851	<table border="0"> <tr> <td>number of grooves =</td> <td>n</td> <td colspan="2">conductor size and reference to the number of n-grooves:</td> </tr> <tr> <td></td> <td>0</td> <td>0.5 mm²</td> <td>20 AWG</td> </tr> <tr> <td></td> <td>1</td> <td>0.75 - 1 mm²</td> <td>18 AWG</td> </tr> <tr> <td></td> <td>2</td> <td>1.5 mm²</td> <td>16 AWG</td> </tr> <tr> <td></td> <td>3</td> <td>2.5 mm²</td> <td>14 AWG</td> </tr> <tr> <td></td> <td>0</td> <td>4.0 mm²</td> <td>12 AWG</td> </tr> </table>	number of grooves =	n	conductor size and reference to the number of 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																																								
Female insert 0.5 - 2.5 mm ² (20-14 AWG)	710 110 01	 	10 74	293827																																				
Male insert 0.5 - 2.5 mm ² (20-14 AWG)	710 210 01	 	10 74	293834																																				
Coding part (to be slid into the coding grooves) <i>(B 10 inserts can be equipped with max. 2 coding parts)</i>	710 607		10 1	293957																																				




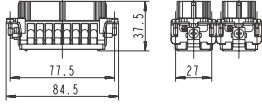

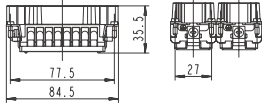

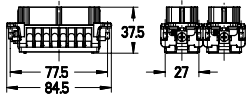

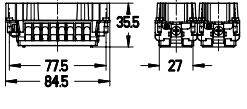



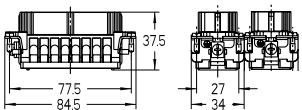
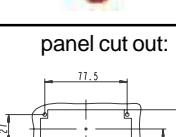
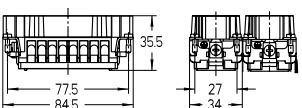

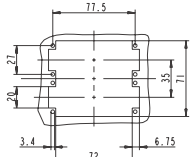
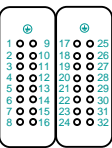
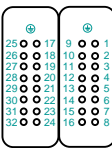
Description	Part No.		Series B 10 P + ⊕ 16 A / 500 V UL/CSA: 600 V	 	EAN No 4015609...
Wiring adapters			 	10 122 122 10 124 124	028283 028320 028368 028405
Female inserts earth pin to the right 710 658 earth pin to the left 0.5 - 2.5 mm ² (20-14 AWG) 710 662 Male inserts earth pin to the right 710 666 earth pin to the left 0.5 - 2.5 mm ² (20-14 AWG) 710 670			 	10 4	029617
Contact arrangement			panel cut out view from termination side  		
Description	Part No.		Series BB 18 P + ⊕ 16 A / 500 V UL/CSA: 600 V	 	EAN No. 4015609...
Crimp contact carriers Contact carrier for sleeve contacts 710 318 <i>- Please order crimp contacts separately -</i>			 	10 53	469079
Contact carrier for pin contacts 710 418 <i>- Please order crimp contacts separately -</i>			 	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)	710 116		 	10 94	027323															
without wire protection 0.5 - 4 mm ² (20-12 AWG)	710 771			90	029327															
Male inserts screw terminal																				
with wire protection 0.5 - 2.5 mm ² (20-14 AWG)	710 216		 	10 94	027385															
without wire protection 0.5 - 4 mm ² (20-12 AWG)	710 775			90	029365															
Crimp contact carriers																				
Contact carrier for sleeve contacts																				
710 316	710 316		 	10 68	027446															
- Please order crimp contacts separately -				10	027507															
Contact carrier for pin contacts																				
710 416	710 416		 	10 63	027507															
- Please order crimp contacts separately -				10	027507															
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	conductor size and reference to the number of n-grooves: number of grooves = n  <table border="1" data-bbox="922 1211 1270 1391"> <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>	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
0	0.5 mm ²	20 AWG																		
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3	2.5 mm ²	14 AWG																		
0	4.0 mm ²	12 AWG																		
Pin contact B																				
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="1" data-bbox="922 1435 1270 1570"> <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>	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
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																		
Insulation displacement inserts																				
Female insert 0.5 - 2.5 mm ² (20-14 AWG)																				
710 116 01	710 116 01		 	10 102	293841															
Male insert 0.5 - 2.5 mm ² (20-14 AWG)																				
710 216 01	710 216 01		 	10 102	293858															
Coding parts (to be slid into the coding grooves) (B 16 inserts can be equipped with max. 4 coding parts)																				
710 607	710 607			10 1	293957															



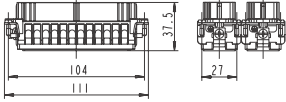

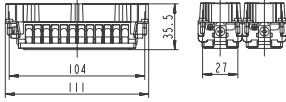

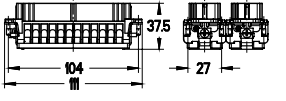

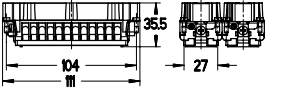



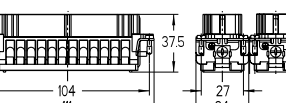

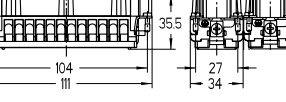

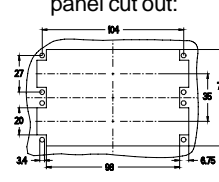
Description	Part No.		Series B 16 P + ⊕ 16 A / 500 V UL/CSA: 600 V	  9	EAN No. 4015609...	
Wiring adapters						
Female insert earth pin to the right 710 659 earth pin to the left 0.5 - 2.5 mm ² (20-14 AWG) 710 663		 		10 136 136	028290 028337	
Male insert earth pin to the right 710 667 earth pin to the left 0.5 - 2.5 mm ² (20-14 AWG) 710 671		 		10 135 135	028375 028412	
Combi snap element 2 pieces required per adapter 710 807		 		10 4	029617	
Contact arrangement						
panel cut out 			female insert 	male insert 	view from termination side	
Description	Part No.		Series BB 32 P + ⊕ 16 A / 500 V UL/CSA: 600 V	  9	EAN No. 4015609...	
Crimp contact carriers						
Contact carrier for sleeve contacts 710 333 - Please order crimp contacts separately -		 		10 68	469093	
Contact carrier for pin contacts 710 433 - Please order crimp contacts separately -		 		10 58	469109	
Contact arrangement						
panel cut out: 			female insert 	male insert 	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 710 124 0.5 - 2.5 mm ² (20-14 AWG) without wire protection 710 772 0.5 - 4 mm ² (20-12 AWG)					
Male inserts screw terminal with wire protection 710 224 0.5 - 2.5 mm ² (20-14 AWG) without wire protection 710 776 0.5 - 4 mm ² (20-12 AWG)			   	10 138 134	027330 029334 027392 029372
Crimp contact carriers					
Contact carrier 710 324 for sleeve contacts - Please order crimp contacts separately -					
Contact carrier 710 424 for pin contacts - Please order crimp contacts separately -					
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	number of grooves = n 	conductor size and reference to the number of 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
Pin contacts B 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	n 	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
Insulation displacement inserts					
Female insert 0.5 - 2.5 mm ² (20-14 AWG) 710 124 01					
Male insert 0.5 - 2.5 mm ² (20-14 AWG) 710 224 01					
Coding part (to be slid into the coding grooves) 710 607 (B 24 inserts can be equipped with max. 4 coding parts)					





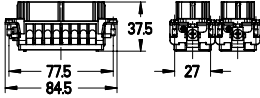

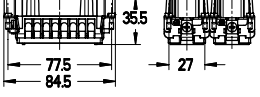
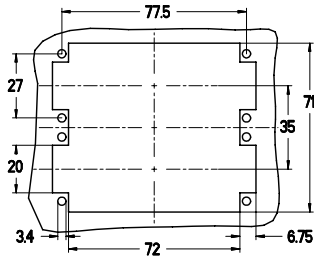
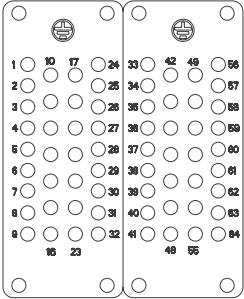
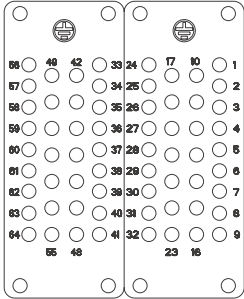




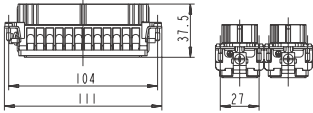

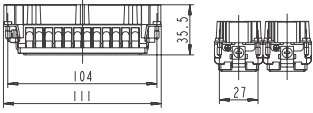
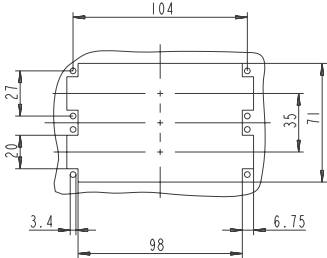
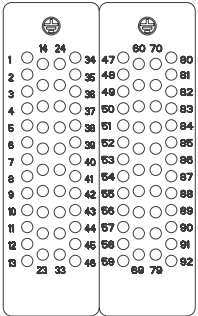
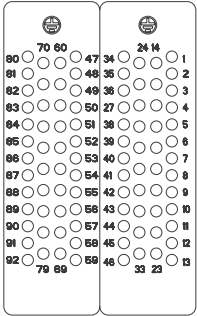
Description	Part No.	Series B 24 P + ⊕ 16 A / 500 V UL/CSA: 600 V	  9 EAN No. 4015609...				
Wiring adapters							
Female inserts earth pin to the right 710 660 earth pin to the left 710 664 0.5 - 2.5 mm ² (20-14 AWG)		 	10 140 028306 140 028344				
Male insert earth pin to the right 710 668 earth pin to the left 710 672 0.5 - 2.5 mm ² (20-14 AWG)		 	10 241 028382 241 028429				
Combi snap element 2 pieces required per adapter 710 807		 	10 4 029617				
Contact arrangement							
panel cut out:  view from termination side: <table border="0" data-bbox="1093 952 1308 1254"> <tr> <td>  </td> <td>  </td> </tr> <tr> <td>female insert</td> <td>male insert</td> </tr> </table>						female insert	male insert
							
female insert	male insert						
Description	Part No.	Series BB 46 P + ⊕ 16 A / 500 V UL/CSA: 600 V	  9 EAN No. 4015609...				
Crimp contact carriers							
Contact carrier for sleeve contacts 710 346 - Please order crimp contacts separately -		 	10 90 469123				
Contact carrier for pin contacts 710 446 - Please order crimp contacts separately -		 	10 74 469130				
Contact arrangement							
panel cut out:  view from termination side: <table border="0" data-bbox="1069 1825 1300 2094"> <tr> <td>  </td> <td>  </td> </tr> <tr> <td>female insert</td> <td>male insert</td> </tr> </table>						female insert	male insert
							
female insert	male insert						

Description	Part No.		Series B 32 P + ⊕ 16 A / 500 V UL/CSA: 600 V	 	EAN No. 4015609...															
Screw terminal inserts																				
Female inserts* screw terminal with wire protection 1 - 16 710 116 without wire protection 710 771 with wire protection 17 - 32 710 132 without wire protection 710 859			 	10 94 90	027323 029327 027347 167456															
Male inserts* screw terminal with wire protection 1 - 16 710 216 without wire protection 710 775 with wire protection 17 - 32 710 232 without wire protection 710 860			 	10 94 90	027385 029365 027408 167463															
Crimp contact carriers																				
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			number of grooves = n conductor size and reference to the number of n-grooves:																	
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="1"> <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>	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
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																		
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="1"> <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>	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
0	0.5 mm ²	20 AWG																		
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0	4.0 mm ²	12 AWG																		
Insulation displacement inserts																				
Female insert (0.5 - 2.5 mm ² (20-14 AWG)) 1 - 16 710 116 01 17 - 32 710 132 01			 	10 102 102	293841 293889															
Male insert (0.5 - 2.5 mm ² (20-14 AWG)) 1 - 16 710 216 01 17 - 32 710 232 01			 	10 102 102	293858 293919															
Coding part (to be slid into coding grooves) 710 607 (B 32 inserts can be equipped with max. 8 coding parts)				10 1	293957															
Contact arrangement			panel cut out: view from termination side																	
			 																	

* for conductor size see series B16

Description	Part No.	Series B 48 P + ⊕ 16 A / 500 V UL/CSA: 600 V	 EAN No 4015609...																																																		
<h2>Screw contact inserts</h2>		 	<table border="0"> <tr> <td>10</td> <td></td> </tr> <tr> <td>138</td> <td>027330</td> </tr> <tr> <td>130</td> <td>029334</td> </tr> <tr> <td>138</td> <td>027354</td> </tr> <tr> <td>130</td> <td>167470</td> </tr> </table>	10		138	027330	130	029334	138	027354	130	167470																																								
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<p>Female inserts* screw terminal</p> <p>with wire protection 1 - 24 710 124 without wire protection 710 772</p> <p>with wire protection 25 - 48 710 148 without wire protection 710 861</p>		 	<table border="0"> <tr> <td>10</td> <td></td> </tr> <tr> <td>118</td> <td>027392</td> </tr> <tr> <td>110</td> <td>029372</td> </tr> <tr> <td>118</td> <td>027415</td> </tr> <tr> <td>110</td> <td>167487</td> </tr> </table>	10		118	027392	110	029372	118	027415	110	167487																																								
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<p>Contact carriers for sleeve contacts 1 - 24 710 324 for sleeve contacts 25 - 48 710 348</p> <p>- Please order crimp contacts separately -</p>		 	<table border="0"> <tr> <td>10</td> <td></td> </tr> <tr> <td>80</td> <td>027514</td> </tr> <tr> <td>80</td> <td>027538</td> </tr> </table>	10		80	027514	80	027538																																												
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<h2>Contact carriers</h2> <p>for pin contacts 1 - 24 710 424 for pin contacts 25 - 48 710 448</p> <p>- Please order crimp contacts separately -</p>		<p>number of grooves = n</p> <table border="0"> <tr> <td>n</td> <td>0</td> <td>0.5 mm²</td> <td>20 AWG</td> </tr> <tr> <td></td> <td>1</td> <td>0.75 - 1 mm²</td> <td>18 AWG</td> </tr> <tr> <td></td> <td>2</td> <td>1.5 mm²</td> <td>16 AWG</td> </tr> <tr> <td></td> <td>3</td> <td>2.5 mm²</td> <td>14 AWG</td> </tr> <tr> <td></td> <td>0</td> <td>4.0 mm²</td> <td>12 AWG</td> </tr> </table> 	n	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	<p>conductor size and reference to the number of n-grooves:</p> <table border="0"> <tr> <td>100</td> <td></td> </tr> <tr> <td>160</td> <td>027583</td> </tr> <tr> <td>171</td> <td>027545</td> </tr> <tr> <td>173</td> <td>027552</td> </tr> <tr> <td>168</td> <td>027569</td> </tr> <tr> <td>163</td> <td>027576</td> </tr> </table>	100		160	027583	171	027545	173	027552	168	027569	163	027576																		
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<p>Sleeve contacts B</p> <table border="0"> <tr> <td></td> <td>silver-plated</td> <td>gold-plated</td> </tr> <tr> <td>crimp-type</td> <td>710 504</td> <td>710 842</td> </tr> <tr> <td>solid, drilled</td> <td>710 500</td> <td>710 843</td> </tr> <tr> <td>weight per 100</td> <td>710 501</td> <td>710 844</td> </tr> <tr> <td></td> <td>710 502</td> <td>710 845</td> </tr> <tr> <td></td> <td>710 503</td> <td>710 846</td> </tr> </table>		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		<p>number of grooves = n</p> <table border="0"> <tr> <td>n</td> <td>0</td> <td>0.5 mm²</td> <td>20 AWG</td> </tr> <tr> <td></td> <td>1</td> <td>0.75 - 1 mm²</td> <td>18 AWG</td> </tr> <tr> <td></td> <td>2</td> <td>1.5 mm²</td> <td>16 AWG</td> </tr> <tr> <td></td> <td>3</td> <td>2.5 mm²</td> <td>14 AWG</td> </tr> <tr> <td></td> <td>0</td> <td>4.0 mm²</td> <td>12 AWG</td> </tr> </table> 	n	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	<table border="0"> <tr> <td>100</td> <td></td> </tr> <tr> <td>130</td> <td>027637</td> </tr> <tr> <td>124</td> <td>027590</td> </tr> <tr> <td>128</td> <td>027606</td> </tr> <tr> <td>129</td> <td>027613</td> </tr> <tr> <td>125</td> <td>027620</td> </tr> </table>	100		130	027637	124	027590	128	027606	129	027613	125	027620
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<p>Female inserts (0.5 - 2.5 mm² (20-14 AWG))</p> <p>1 - 24 710 124 01 25 - 48 710 148 01</p>		 	<table border="0"> <tr> <td>10</td> <td></td> </tr> <tr> <td>135</td> <td>293872</td> </tr> <tr> <td>135</td> <td>293940</td> </tr> </table>	10		135	293872	135	293940																																												
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<p>Coding part (to be slid into coding grooves) 710 607 (B 48 inserts can be equipped with max. 8 coding parts)</p>		<p>panel cut out:</p>  <p>view from termination side</p> <table border="0"> <tr> <td>1 ⊕ 00 13 25 00 37</td> <td>37 00 25 13 00 1</td> </tr> <tr> <td>2 00 14 26 00 38</td> <td>38 00 26 14 00 2</td> </tr> <tr> <td>3 00 15 27 00 39</td> <td>39 00 27 15 00 3</td> </tr> <tr> <td>4 00 16 28 00 40</td> <td>40 00 28 16 00 4</td> </tr> <tr> <td>5 00 17 29 00 41</td> <td>41 00 29 17 00 5</td> </tr> <tr> <td>6 00 18 30 00 42</td> <td>42 00 30 18 00 6</td> </tr> <tr> <td>7 00 19 31 00 43</td> <td>43 00 31 19 00 7</td> </tr> <tr> <td>8 00 20 32 00 44</td> <td>44 00 32 20 00 8</td> </tr> <tr> <td>9 00 21 33 00 45</td> <td>45 00 33 21 00 9</td> </tr> <tr> <td>10 00 22 34 00 46</td> <td>46 00 34 22 00 10</td> </tr> <tr> <td>11 00 23 35 00 47</td> <td>47 00 35 23 00 11</td> </tr> <tr> <td>12 00 24 36 00 48</td> <td>48 00 36 24 00 12</td> </tr> </table> <p>female insert male insert</p>	1 ⊕ 00 13 25 00 37	37 00 25 13 00 1	2 00 14 26 00 38	38 00 26 14 00 2	3 00 15 27 00 39	39 00 27 15 00 3	4 00 16 28 00 40	40 00 28 16 00 4	5 00 17 29 00 41	41 00 29 17 00 5	6 00 18 30 00 42	42 00 30 18 00 6	7 00 19 31 00 43	43 00 31 19 00 7	8 00 20 32 00 44	44 00 32 20 00 8	9 00 21 33 00 45	45 00 33 21 00 9	10 00 22 34 00 46	46 00 34 22 00 10	11 00 23 35 00 47	47 00 35 23 00 11	12 00 24 36 00 48	48 00 36 24 00 12																											
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<h2>Contact arrangement</h2>																																																					

* for conductor size see series B 24

Description	Part No.	<p>Series BB 64 P + </p> <p>16 A / 500 V UL/CSA: 600 V</p>	  9	EAN No. 4015609...
<p>Crimp contact carriers</p> <p>Contact carriers for sleeve contacts 1 - 32 710 333 for sleeve contacts 33 - 64 710 364</p> <p>- Please order crimp contacts separately -</p>		 	<p>10 68 68</p>	<p>469093 469147</p>
<p>Contact carriers for pin contacts 1 - 32 710 433 for pin contacts 33 - 64 710 464</p> <p>- Please order crimp contacts separately -</p>		 	<p>10 58 58</p>	<p>469109 469154</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	Part No.	<p>Series BB 92 P + </p> <p>16 A / 500 V UL/CSA: 600 V</p>	  9	EAN No. 4015609...
<p>Crimp contact carriers</p> <p>Contact carriers for sleeve contacts 1 - 46 710 346 for sleeve contacts 47 - 92 710 392</p> <p>- Please order crimp contacts separately -</p>		 	<p>10 90 90</p>	<p>469123 469178</p>
<p>Contact carriers for pin contacts 1 - 46 710 446 for pin contacts 47 - 92 710 492</p> <p>- Please order crimp contacts separately -</p>		 	<p>10 74 74</p>	<p>469130 469185</p>
<p>Contact arrangement</p> <p>panel cut out:</p> 		<p>view from termination side</p>  <p>female insert</p>  <p>male insert</p>		