

**Series D7 - D 128**

4



Due to the large number of conductors, the higher series B housings are very advantageous, since they offer enough space and easy mounting.

**D7 inserts may only be installed in plastic housings, as no connection between protective earth conductor and housing can be established.**



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



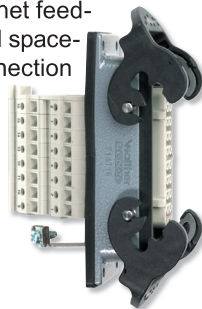
**Locking systems:**

- Housings for series **D7, D8, D15, D25** and **D128**: only with **single locking system**
- Housings for series **D50** and **D80**: only with **double locking system**
- Housings for series **D40** and **D64**: **both locking systems** possible



**Wiring adapters**

mounted directly into the panel housing - as cost-saving switch cabinet feed-through and space-saving connection element. With screw terminals.

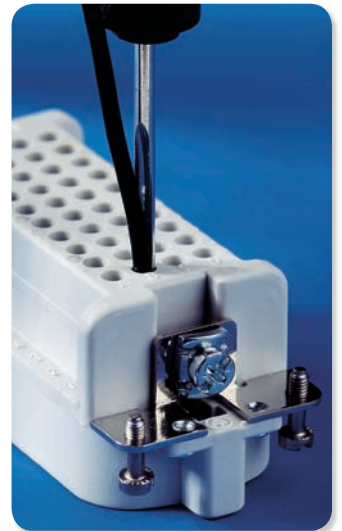


**Optical waveguide**

Instead of silver or gold-plated brass contacts for copper wires, also contacts for optical waveguide made of polymer optical fibre (POF) fit into the contact cavities of series D contact carriers.



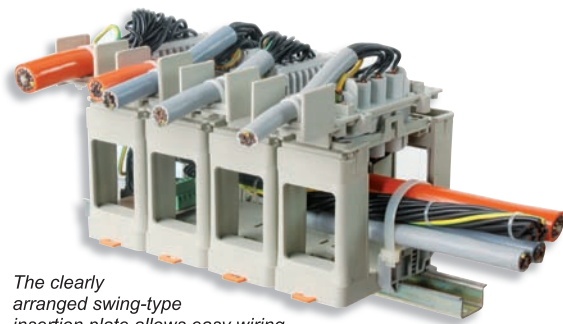
Series D contact carriers can only be equipped with crimp contacts, which have to be ordered separately according to the relevant conductor cross section. The contacts are crimped with a special crimping tool and then snapped into the contact carrier by means of an insertion tool. If required, they can be released with a special removal tool.



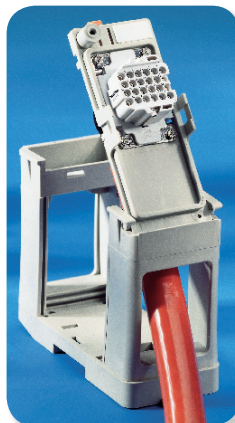
The millionfold proven crimp-type contacts guarantee a safe connection.

**Snap-on mounting adapters**

are ideal for mounting into switch cabinets.



*The clearly arranged swing-type insertion plate allows easy wiring.*



When installing several mounting plates side-by-side, an additional cable duct can be built up inside the switch cabinet, which then enables the installation of printed circuit boards.

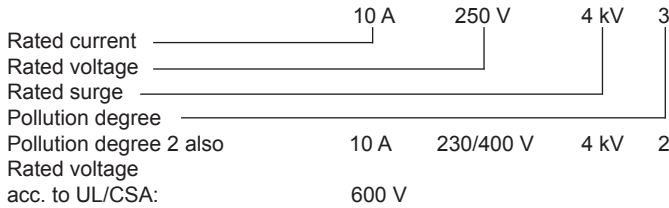
Mounting is made by snapping connectors onto DIN-rails in transverse direction.

# Series D

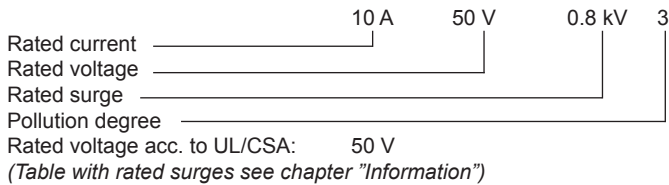
## Specifications

**Regulations:** DIN VDE 0627, DIN VDE 0110, DIN EN 61 984  
**Approvals:** UR, CSA, SEV, MEIE, EZÚ  
**Standards:** DIN EN 175 301-801  
**Number of poles:** 7, 15, 25, 40, 50 (2 x 25), 64, 80 (2 x 40), 128 (2 x 64) + PE

**Electrical data acc. to DIN EN 61 984 for series D7, D15, D25, D 40, D50, D64, D80 and D128:**



**Electrical data acc. to DIN EN 61 984 for series D 8:**



**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:** ≥ 500 mating cycles

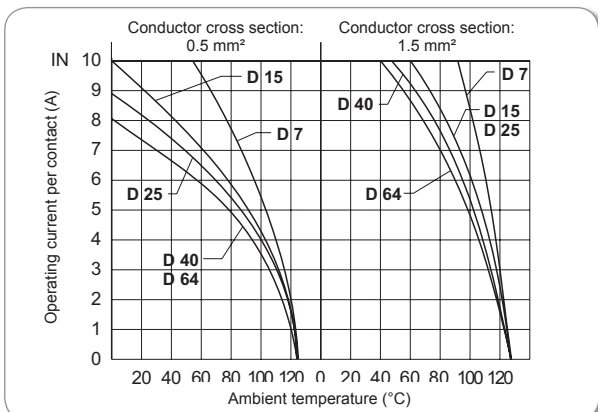
**Contacts**

**Material:** copper alloy  
**Surface** - hard silver plated: 3 µm Ag  
 - hard gold plated: 2 µm Au over 3 µm Ni  
**Contact resistance:** < 3 m Ω  
**Crimp type terminal:** 0.14 - 2.5 mm<sup>2</sup> (26 - 14) AWG  
**Wire stripping length:** 7 mm

**Application hint:**

**Industrial connectors are electrical devices which must not be connected or disconnected under load!**

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**

**Inserts**

**D 7-pole + ⊕, D 7 modified, D 3-pole + ⊕** **40**  
 - Short overview see page 90  
 - Matching housings see page 91



**Inserts**

**D 8-pole** **41**  
 - Short overview see page 90  
 - Matching housings see page 91-92



**Inserts**

**D 15-pole + ⊕, D 15 modified, D 7.1-pole + ⊕, D 5-pole + ⊕** **42-43**  
 - Short overview see page 94  
 - Matching housings see page 95-96



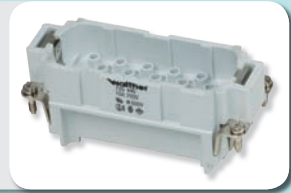
**Inserts**

**D 25-pole + ⊕, D 25 modified, D 11-pole + ⊕** **44-45**  
 - Short overview see page 98  
 - Matching housings see page 99-100



**Inserts**

**D 40-pole + ⊕, D 40 modified, D 20-pole + ⊕, D 16-pole + ⊕** **46-47**  
 - Short overview see page 118  
 - Matching housings see page 119-126



**Inserts**

**D 50-pole + ⊕, D 50 modified, D 22-pole + ⊕** **48**  
 - Short overview see page 102  
 - Matching housings see page 103-105



**Inserts**

**D 64-pole + ⊕, D 64 modified, D 32-pole + ⊕, D 28-pole + ⊕** **49-50**  
 - Short overview see page 128  
 - Matching housings see page 129-135



**Inserts**

**D 80-pole + ⊕, D 80 modified, D 40.1-pole + ⊕, D 32.1-pole + ⊕** **51-52**  
 - Short overview see page 136  
 - Matching housings see page 137-138



**Inserts**

**D 128-pole + ⊕, D 128 modified, D 64.1-pole + ⊕, D 56-pole + ⊕** **53-54**  
 - Short overview see page 140  
 - Matching housings see page 141



**Series D 7 P + ⊕**  
10 A / 250 V  
UL/CSA: 600 V



Description Part no. Part no.

4

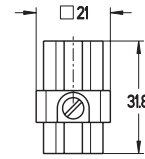
**Crimp contact carriers**

**Contact carrier**

only for plastic housings  
for sleeve contacts

**720 307**

Please order crimp and glass fibre cable contacts separately



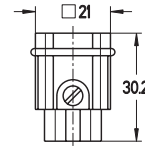
10  
8

**Contact carrier**

only for plastic housings  
for pin contacts

**720 407**

Please order crimp and glass fibre cable contacts separately



10  
7

**Contact arrangement**

D 7 completely equipped with 7 + PE contacts  
Rated voltage: 250 V

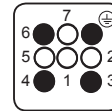
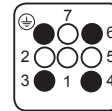
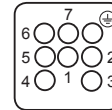
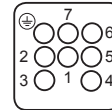
D 7 modified: **D 3-pole + PE**

D 7 equipped with 3 + PE contacts  
Rated voltage: 500 V

View from termination side

Female insert

Male insert

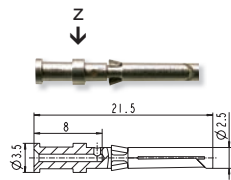


● working contact ○ without contact

**Contacts**

**Sleeve contacts D**

	silver-plated	gold-plated
crimp-type	<b>720 506</b>	720 686
solid, turned	<b>720 507</b>	720 687
weight per 100	<b>720 508</b>	720 688
	<b>720 509</b>	720 689
	<b>720 502</b>	720 690



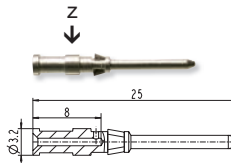
Terminal cross section marked by z

z	Terminal cross section	AWG
1	0.14 - 0.37 mm <sup>2</sup>	26 - 22 AWG
2	0.5 mm <sup>2</sup>	20 AWG
3	0.75 - 1 mm <sup>2</sup>	19 - 18 AWG
4	1.5 mm <sup>2</sup>	16 AWG
5	2.5 mm <sup>2</sup>	14 AWG

100  
65  
68  
70  
72  
62

**Pin contacts D**

	silver-plated	gold-plated
crimp-type	<b>720 516</b>	720 691
solid, turned	<b>720 517</b>	720 692
weight per 100	<b>720 518</b>	720 693
	<b>720 519</b>	720 694
	<b>720 512</b>	720 695



z	Terminal cross section	AWG
1	0.14 - 0.37 mm <sup>2</sup>	26 - 22 AWG
2	0.5 mm <sup>2</sup>	20 AWG
3	0.75 - 1 mm <sup>2</sup>	19 - 18 AWG
4	1.5 mm <sup>2</sup>	16 AWG
5	2.5 mm <sup>2</sup>	14 AWG

100  
60  
63  
65  
67  
70

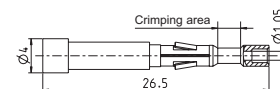
**Sleeve contact**

Optical waveguide for POF,  
solid, turned,  
weight per 100

**720 520**



POF\* Ø 1 mm



100  
89

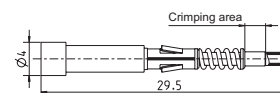
**Pin contact**

Optical waveguide for POF,  
solid, turned,  
weight per 100

**720 530**



POF\* Ø 1 mm



100  
74

**Dummy contact sleeve**

for coding with loss of  
one contact




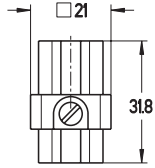

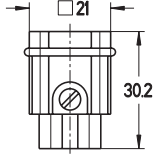

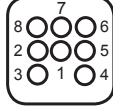
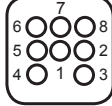
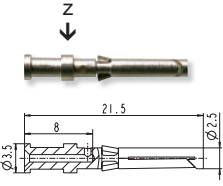
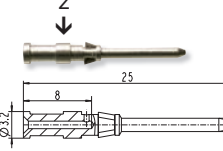

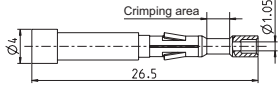

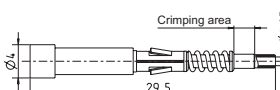

**720 696**



100  
1

To avoid wrong plugging of similar contact inserts, a coding system is required. Coding is achieved by inserting the dummy contact sleeve into a selected contact cavity of the female insert. The opposite male insert must not be equipped at this position.



Description	Part no.	<b>Series D 8 P</b> 10 A / 50 V UL/CSA: 50 V	 																																				
<b>Crimp contact carriers</b>		   	 10 8																																				
<b>Contact carrier</b> for sleeve contacts	<b>720 308</b>																																						
Please order crimp and glass fibre cable contacts separately	<b>Contact carrier</b> for pin contacts	<b>720 408</b>	10 7																																				
<b>Contact arrangement</b>		View from termination side <div style="display: flex; justify-content: space-around;"> <div data-bbox="1038 819 1150 992"> <p>Female insert</p>  </div> <div data-bbox="1193 819 1305 992"> <p>Male insert</p>  </div> </div>																																					
D 8 completely equipped with 8 contacts Rated voltage: 42 V																																							
<b>Contacts</b>			Terminal cross section marked by z <table border="1" data-bbox="1054 1223 1401 1350"> <tr> <th>z</th> <th>Area</th> <th>AWG</th> </tr> <tr> <td>1</td> <td>0.14 - 0.37 mm<sup>2</sup></td> <td>26-22 AWG</td> </tr> <tr> <td>2</td> <td>0.5 mm<sup>2</sup></td> <td>20 AWG</td> </tr> <tr> <td>3</td> <td>0.75 - 1 mm<sup>2</sup></td> <td>19-18 AWG</td> </tr> <tr> <td>4</td> <td>1.5 mm<sup>2</sup></td> <td>16 AWG</td> </tr> <tr> <td>5</td> <td>2.5 mm<sup>2</sup></td> <td>14 AWG</td> </tr> </table>	z	Area	AWG	1	0.14 - 0.37 mm <sup>2</sup>	26-22 AWG	2	0.5 mm <sup>2</sup>	20 AWG	3	0.75 - 1 mm <sup>2</sup>	19-18 AWG	4	1.5 mm <sup>2</sup>	16 AWG	5	2.5 mm <sup>2</sup>	14 AWG																		
z	Area	AWG																																					
1	0.14 - 0.37 mm <sup>2</sup>	26-22 AWG																																					
2	0.5 mm <sup>2</sup>	20 AWG																																					
3	0.75 - 1 mm <sup>2</sup>	19-18 AWG																																					
4	1.5 mm <sup>2</sup>	16 AWG																																					
5	2.5 mm <sup>2</sup>	14 AWG																																					
<b>Sleeve contacts D</b> crimp-type solid, turned weight per 100	<table border="1" data-bbox="469 1200 743 1350"> <tr> <th></th> <th>silver-plated</th> <th>gold-plated</th> </tr> <tr> <td>720 506</td> <td></td> <td>720 686</td> </tr> <tr> <td>720 507</td> <td></td> <td>720 687</td> </tr> <tr> <td>720 508</td> <td></td> <td>720 688</td> </tr> <tr> <td>720 509</td> <td></td> <td>720 689</td> </tr> <tr> <td>720 502</td> <td></td> <td>720 690</td> </tr> </table>		silver-plated	gold-plated	720 506		720 686	720 507		720 687	720 508		720 688	720 509		720 689	720 502		720 690	<table border="1" data-bbox="1054 1200 1401 1350"> <tr> <th>z</th> <th>Area</th> <th>AWG</th> </tr> <tr> <td>1</td> <td>0.14 - 0.37 mm<sup>2</sup></td> <td>26-22 AWG</td> </tr> <tr> <td>2</td> <td>0.5 mm<sup>2</sup></td> <td>20 AWG</td> </tr> <tr> <td>3</td> <td>0.75 - 1 mm<sup>2</sup></td> <td>19-18 AWG</td> </tr> <tr> <td>4</td> <td>1.5 mm<sup>2</sup></td> <td>16 AWG</td> </tr> <tr> <td>5</td> <td>2.5 mm<sup>2</sup></td> <td>14 AWG</td> </tr> </table>	z	Area	AWG	1	0.14 - 0.37 mm <sup>2</sup>	26-22 AWG	2	0.5 mm <sup>2</sup>	20 AWG	3	0.75 - 1 mm <sup>2</sup>	19-18 AWG	4	1.5 mm <sup>2</sup>	16 AWG	5	2.5 mm <sup>2</sup>	14 AWG	100 65 68 70 72 62
	silver-plated	gold-plated																																					
720 506		720 686																																					
720 507		720 687																																					
720 508		720 688																																					
720 509		720 689																																					
720 502		720 690																																					
z	Area	AWG																																					
1	0.14 - 0.37 mm <sup>2</sup>	26-22 AWG																																					
2	0.5 mm <sup>2</sup>	20 AWG																																					
3	0.75 - 1 mm <sup>2</sup>	19-18 AWG																																					
4	1.5 mm <sup>2</sup>	16 AWG																																					
5	2.5 mm <sup>2</sup>	14 AWG																																					
<b>Pin contacts D</b> crimp-type solid, turned weight per 100	<table border="1" data-bbox="469 1375 743 1525"> <tr> <th></th> <th>silver-plated</th> <th>gold-plated</th> </tr> <tr> <td>720 516</td> <td></td> <td>720 691</td> </tr> <tr> <td>720 517</td> <td></td> <td>720 692</td> </tr> <tr> <td>720 518</td> <td></td> <td>720 693</td> </tr> <tr> <td>720 519</td> <td></td> <td>720 694</td> </tr> <tr> <td>720 512</td> <td></td> <td>720 695</td> </tr> </table>		silver-plated	gold-plated	720 516		720 691	720 517		720 692	720 518		720 693	720 519		720 694	720 512		720 695	 <table border="1" data-bbox="1054 1397 1401 1525"> <tr> <th>z</th> <th>Area</th> <th>AWG</th> </tr> <tr> <td>1</td> <td>0.14 - 0.37 mm<sup>2</sup></td> <td>26-22 AWG</td> </tr> <tr> <td>2</td> <td>0.5 mm<sup>2</sup></td> <td>20 AWG</td> </tr> <tr> <td>3</td> <td>0.75 - 1 mm<sup>2</sup></td> <td>19-18 AWG</td> </tr> <tr> <td>4</td> <td>1.5 mm<sup>2</sup></td> <td>16 AWG</td> </tr> <tr> <td>5</td> <td>2.5 mm<sup>2</sup></td> <td>14 AWG</td> </tr> </table>	z	Area	AWG	1	0.14 - 0.37 mm <sup>2</sup>	26-22 AWG	2	0.5 mm <sup>2</sup>	20 AWG	3	0.75 - 1 mm <sup>2</sup>	19-18 AWG	4	1.5 mm <sup>2</sup>	16 AWG	5	2.5 mm <sup>2</sup>	14 AWG	100 60 63 65 67 70
	silver-plated	gold-plated																																					
720 516		720 691																																					
720 517		720 692																																					
720 518		720 693																																					
720 519		720 694																																					
720 512		720 695																																					
z	Area	AWG																																					
1	0.14 - 0.37 mm <sup>2</sup>	26-22 AWG																																					
2	0.5 mm <sup>2</sup>	20 AWG																																					
3	0.75 - 1 mm <sup>2</sup>	19-18 AWG																																					
4	1.5 mm <sup>2</sup>	16 AWG																																					
5	2.5 mm <sup>2</sup>	14 AWG																																					
<b>Sleeve contact</b> Optical waveguide for POF, solid, turned, weight per 100	<b>720 520</b>	 	100 89																																				
<b>Pin contact</b> Optical waveguide for POF, solid, turned, weight per 100	<b>720 530</b>	 	100 74																																				
<b>Dummy contact sleeve</b> for coding with loss of one contact  <i>To avoid wrong plugging of similar contact inserts, a coding system is required. Coding is achieved by inserting the dummy contact sleeve into a selected contact cavity of the female insert. The opposite male insert must not be equipped at this position.</i>	<b>720 696</b>		100 1																																				

**Series D 15 P +**

10 A / 250 V  
UL/CSA: 600 V



Description

Part no.

4

**Crimp contact carriers**

**Contact carrier**

for sleeve contacts

**720 315**

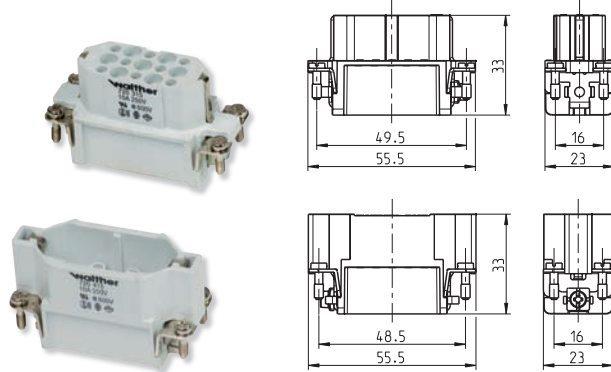
Please order crimp and glass fibre cable contacts separately

**Contact carrier**

for pin contacts

**720 415**

Please order crimp and glass fibre cable contacts separately

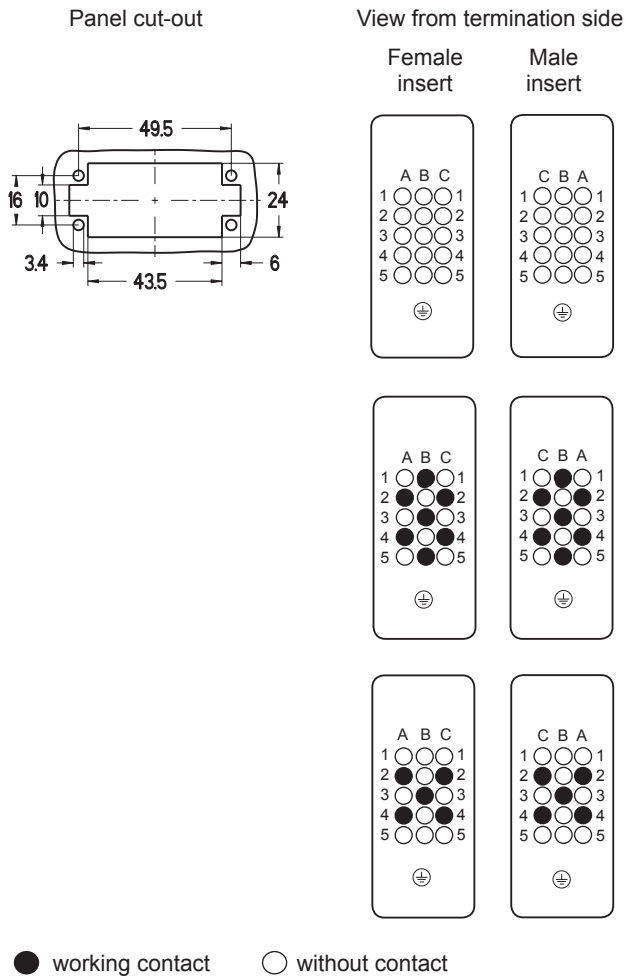


10  
29

10  
29

**Contact arrangement**

D 15 completely equipped with 15 contacts  
Rated voltage: 250 V



**D 15 modified: D 7.1-pole +**

D 15 equipped with 7 contacts  
Rated voltage: 400 V

**D 15 modified: D 5-pole +**

D 15 equipped with 5 contacts  
Rated voltage: 500 V

Description	Part no.	Part no.	<b>Series D 15 P +</b> 10 A / 250 V UL/CSA: 600 V	  9
<b>Contacts</b>			 z Terminal cross section marked by z	<b>100</b> 65 68 70 72 62
<b>Sleeve contacts D</b> crimp-type solid, turned weight per 100	silver-plated <b>720 506</b> <b>720 507</b> <b>720 508</b> <b>720 509</b> <b>720 502</b>	gold-plated 720 686 720 687 720 688 720 689 720 690		
<b>Pin contacts D</b> crimp-type solid, turned weight per 100	silver-plated <b>720 516</b> <b>720 517</b> <b>720 518</b> <b>720 519</b> <b>720 512</b>	gold-plated 720 691 720 692 720 693 720 694 720 695	 z Terminal cross section marked by z	<b>100</b> 60 63 65 67 70
<b>Sleeve contact</b> Optical waveguide for POF, solid, turned, weight per 100	<b>720 520</b>		 POF* Ø 1 mm	<b>100</b> 89
<b>Pin contact</b> Optical waveguide for POF, solid, turned, weight per 100	<b>720 530</b>		 POF* Ø 1 mm	<b>100</b> 74

\*POF= Polymer Optical Fibre

**Series D 25 P +**

10 A / 250 V  
UL/CSA: 600 V



Description

Part no.

4

**Crimp contact carriers**

**Contact carrier**

for sleeve contacts

**720 325**

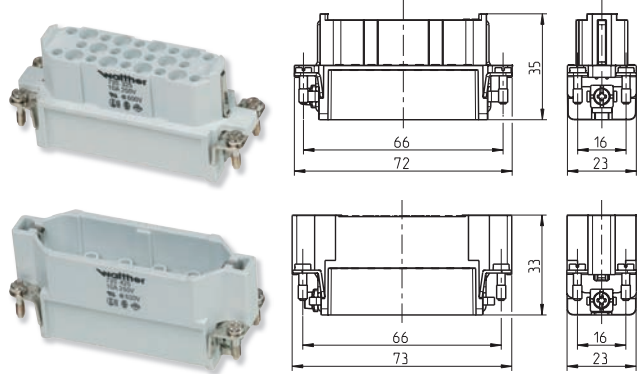
Please order crimp and glass fibre cable contacts separately

**Contact carrier**

for pin contacts

**720 425**

Please order crimp and glass fibre cable contacts separately



10  
36

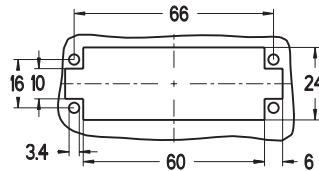
10  
34

**Contact arrangement**

D 25 completely equipped with 25 contacts  
Rated voltage: 250 V

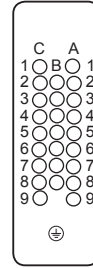
Panel cut-out

View from termination side



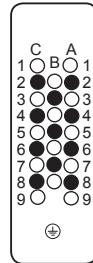
Female insert

Male insert




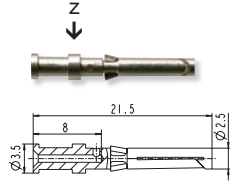
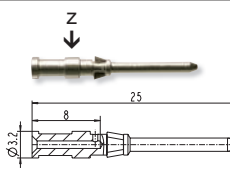






D 25 modified: **D 11-pole +**

D 25 equipped with 11 contacts  
Rated voltage: 500 V



- working contact
- without contact

Description	Part no.	Part no.	Series D	25 P + 	10 A / 250 V UL/CSA: 600 V	  9	
<b>Contacts</b>					Terminal cross section marked by z	<b>100</b> 65 68 70 72 62	
<b>Sleeve contacts D</b>	silver-plated	gold-plated			z		<b>100</b> 60 63 65 67 70
crimp-type	<b>720 506</b>	720 686	1	0.14 - 0.37 mm <sup>2</sup>	26-22 AWG		
solid, turned	<b>720 507</b>	720 687	2	0.5 mm <sup>2</sup>	20 AWG		
weight per 100	<b>720 508</b>	720 688	3	0.75 - 1 mm <sup>2</sup>	19-18 AWG		
	<b>720 509</b>	720 689	4	1.5 mm <sup>2</sup>	16 AWG		
	<b>720 502</b>	720 690	5	2.5 mm <sup>2</sup>	14 AWG		
<b>Sleeve contact</b>					POF* Ø 1 mm	<b>100</b> 89	
Optical waveguide for POF, solid, turned, weight per 100	<b>720 520</b>				POF* Ø 1 mm	<b>100</b> 74	
<b>Pin contact</b>					POF* Ø 1 mm		
Optical waveguide for POF, solid, turned, weight per 100	<b>720 530</b>				POF* Ø 1 mm		

**4**

\*POF= Polymer Optical Fibre



**Series D 40 P +**

10 A / 250 V  
UL/CSA: 600 V



Description

Part no.

Part no.

4

### Crimp contact carriers

#### Contact carrier

for sleeve contacts

720 340

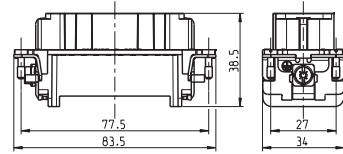
Please order crimp and glass fibre cable contacts separately

#### Contact carrier

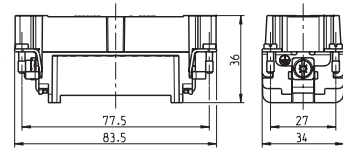
for pin contacts

720 440

Please order crimp and glass fibre cable contacts separately



10  
64



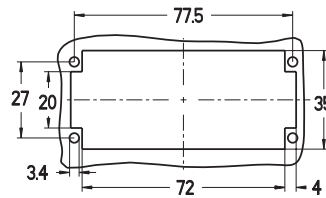
10  
57

### Contact arrangement

D 40 completely equipped with 40 contacts  
Rated voltage: 250 V

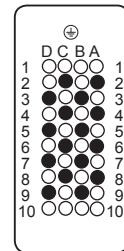
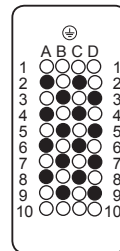
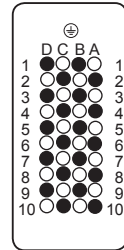
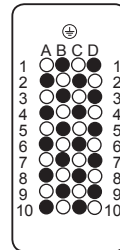
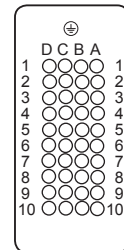
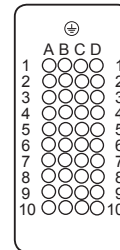
Panel cut-out

View from termination side



Female insert

Male insert



● working contact  
○ without contact

D 40 modified: **D 20-pole +**

D 40 equipped with 20 contacts  
Rated voltage: 400 V

D 40 modified: **D 16-pole +**

D 40 equipped with 16 contacts  
Rated voltage: 500 V

Description	Part no.	Part no.	Series D	40 P +			
<b>Contacts</b>							
<b>Sleeve contacts D</b>	silver-plated	gold-plated		<b>Terminal cross section marked by z</b> z 1 0.14-0.37 mm <sup>2</sup> 26-22 AWG 2 0.5 mm <sup>2</sup> 20 AWG 3 0.75-1 mm <sup>2</sup> 19-18 AWG 4 1.5 mm <sup>2</sup> 16 AWG 5 2.5 mm <sup>2</sup> 14 AWG	<b>100</b>	<b>4</b>	
crimp-type	<b>720 506</b>	720 686					65
solid, turned	<b>720 507</b>	720 687					68
weight per 100	<b>720 508</b>	720 688					70
	<b>720 509</b>	720 689					72
<b>720 502</b>	720 690		62				
<b>Pin contacts D</b>	silver-plated	gold-plated		1 0.14-0.37 mm <sup>2</sup> 26-22 AWG 2 0.5 mm <sup>2</sup> 20 AWG 3 0.75-1 mm <sup>2</sup> 19-18 AWG 4 1.5 mm <sup>2</sup> 16 AWG 5 2.5 mm <sup>2</sup> 14 AWG	<b>100</b>		
crimp-type	<b>720 516</b>	720 691					60
solid, turned	<b>720 517</b>	720 692					63
weight per 100	<b>720 518</b>	720 693					65
	<b>720 519</b>	720 694					67
<b>720 512</b>	720 695		70				
<b>Sleeve contact</b>	<b>720 520</b>			POF* Ø 1 mm	<b>100</b>	89	
Optical waveguide for POF, solid, turned, weight per 100							
<b>Pin contact</b>	<b>720 530</b>			POF* Ø 1 mm	<b>100</b>	74	
Optical waveguide for POF, solid, turned, weight per 100							
<b>Wiring adapters</b>			*POF= Polymer Optical Fibre				
<b>Female insert</b>					<b>10</b>	<b>64</b>	
Earth pin on the left 0.2 - 2.5 mm <sup>2</sup> (26-14 AWG)	<b>720 633</b>						
<b>Male insert</b>					<b>10</b>	<b>54</b>	
Earth pin on the left 0.2 - 2.5 mm <sup>2</sup> (26-14 AWG)	<b>720 632</b>						
<b>Combi snap element</b>	<b>710 807</b>				<b>10</b>	<b>4</b>	
for DIN-rail mounting 2 pieces required per adapter							

**Series D 50 P +**

10 A / 250 V  
UL/CSA: 600 V



Description Part no. Part no.

4

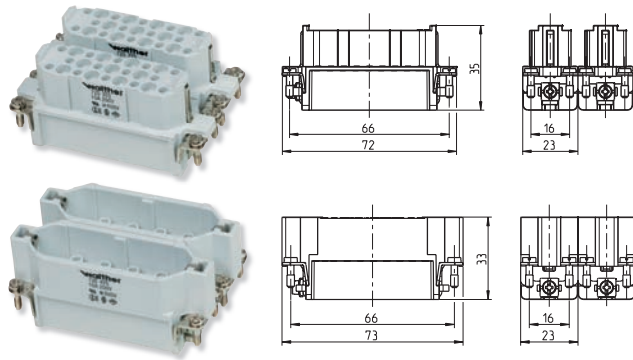
**Crimp contact carriers**

**Contact carrier**  
for sleeve contacts **2 x 720 325**

Please order crimp and glass fibre cable contacts separately

**Contact carrier**  
for pin contacts **2 x 720 425**

Please order crimp and glass fibre cable contacts separately



10  
36

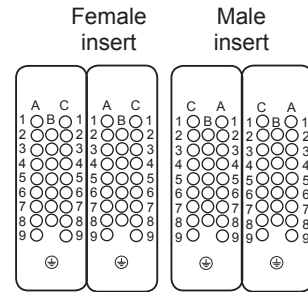
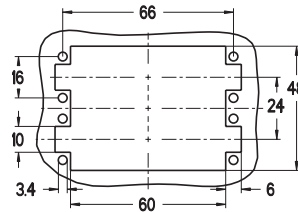
10  
34

**Contact arrangement**

D 50 completely equipped with 50 contacts  
Rated voltage: 250 V

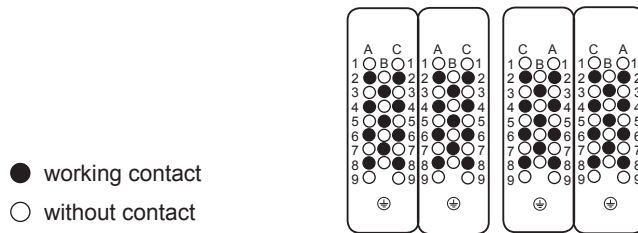
Panel cut-out

View from termination side



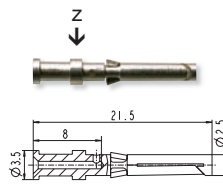
D 50 modified: **D 22-pole +**

D 50 equipped with 2 x 11 contacts  
Rated voltage: 500 V



**Contacts**

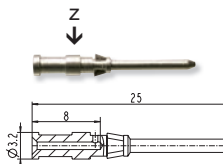
Sleeve contacts D	silver-plated	gold-plated
	crimp-type	<b>720 506</b>
solid, turned	<b>720 507</b>	720 687
weight per 100	<b>720 508</b>	720 688
	<b>720 509</b>	720 689
	<b>720 502</b>	720 690



z	Terminal cross section marked by z	
1	0.14 - 0.37 mm <sup>2</sup>	26 - 22 AWG
2	0.5 mm <sup>2</sup>	20 AWG
3	0.75 - 1 mm <sup>2</sup>	19 - 18 AWG
4	1.5 mm <sup>2</sup>	16 AWG
5	2.5 mm <sup>2</sup>	14 AWG

100  
65  
68  
70  
72  
62

Pin contacts D	silver-plated	gold-plated
	crimp-type	<b>720 516</b>
solid, turned	<b>720 517</b>	720 692
weight per 100	<b>720 518</b>	720 693
	<b>720 519</b>	720 694
	<b>720 512</b>	720 695



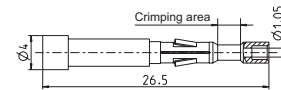
z	Terminal cross section marked by z	
1	0.14 - 0.37 mm <sup>2</sup>	26 - 22 AWG
2	0.5 mm <sup>2</sup>	20 AWG
3	0.75 - 1 mm <sup>2</sup>	19 - 18 AWG
4	1.5 mm <sup>2</sup>	16 AWG
5	2.5 mm <sup>2</sup>	14 AWG

100  
60  
63  
65  
67  
70

**Sleeve contact**  
Optical waveguide for POF,  
solid, turned,  
weight per 100 **720 520**



POF\* Ø 1 mm

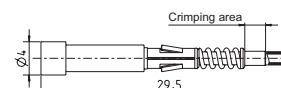


100  
89





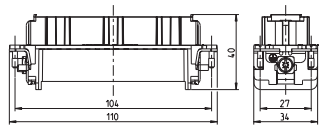

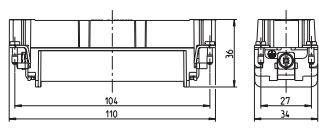


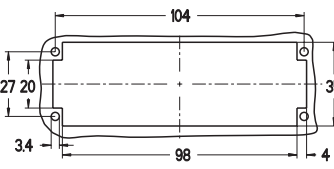
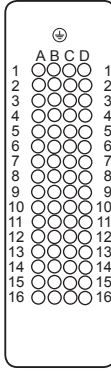
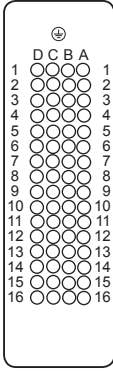

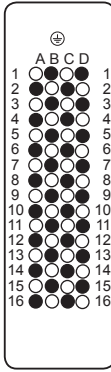
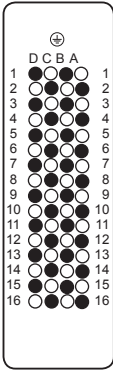

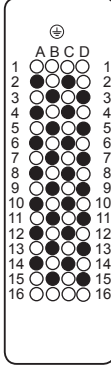
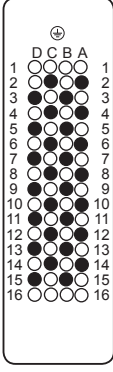
**Pin contact**  
Optical waveguide for POF,  
solid, turned,  
weight per 100 **720 530**



POF\* Ø 1 mm



100  
74

Description	Part no.	<b>Series D 64 P +</b>  10 A / 250 V UL/CSA: 600 V	  9
<b>Crimp contact carriers</b>		 	
<b>Contact carrier</b> for sleeve contacts	<b>720 364</b>	 	10 83
Please order crimp and glass fibre cable contacts separately			
<b>Contact carrier</b> for pin contacts	<b>720 464</b>	 	10 68
Please order crimp and glass fibre cable contacts separately			
<b>Contact arrangement</b>  D 64 completely equipped with 64 contacts Rated voltage: 250 V		Panel cut-out 	View from termination side Female insert  Male insert 
D 64 modified: <b>D 32-pole +</b>   D 64 equipped with 32 contacts Rated voltage: 400 V		 	
D 64 modified: <b>D 28-pole +</b>   D 64 equipped with 28 contacts Rated voltage: 500 V		 	● working contact ○ without contact

4

**Series D 64 P +**

10 A / 250 V  
UL/CSA: 600 V

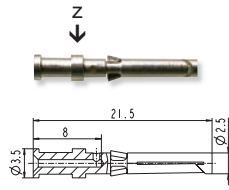


Description Part no. Part no.

4

**Contacts**

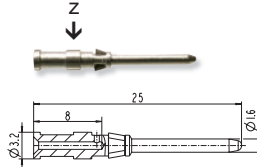
<b>Sleeve contacts D</b> crimp-type solid, turned weight per 100	silver-plated	gold-plated
	<b>720 506</b>	720 686
	<b>720 507</b>	720 687
	<b>720 508</b>	720 688
	<b>720 509</b>	720 689
<b>720 502</b>	720 690	



z	Terminal cross section marked by z	
1	0.14-0.37 mm <sup>2</sup>	26-22 AWG
2	0.5 mm <sup>2</sup>	20 AWG
3	0.75-1 mm <sup>2</sup>	19-18 AWG
4	1.5 mm <sup>2</sup>	16 AWG
5	2.5 mm <sup>2</sup>	14 AWG

100  
65  
68  
70  
72  
62

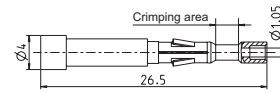
<b>Pin contacts D</b> crimp-type solid, turned weight per 100	silver-plated	gold-plated
	<b>720 516</b>	720 691
	<b>720 517</b>	720 692
	<b>720 518</b>	720 693
	<b>720 519</b>	720 694
<b>720 512</b>	720 695	



1	0.14-0.37 mm <sup>2</sup>	26-22 AWG
2	0.5 mm <sup>2</sup>	20 AWG
3	0.75-1 mm <sup>2</sup>	19-18 AWG
4	1.5 mm <sup>2</sup>	16 AWG
5	2.5 mm <sup>2</sup>	14 AWG

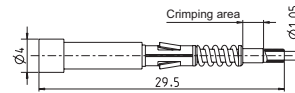
100  
60  
63  
65  
67  
70

<b>Sleeve contact</b> Optical waveguide for POF, solid, turned, weight per 100	720 520
---	---------



100  
89

<b>Pin contact</b> Optical waveguide for POF, solid, turned, weight per 100	720 530
--	---------



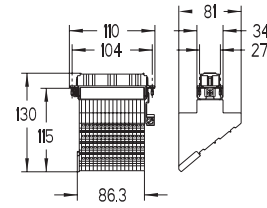
\*POF= Polymer Optical Fibre

100  
74

**Wiring adapters**

**Female insert**

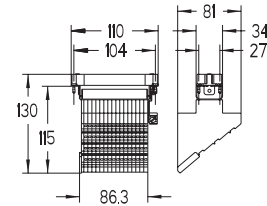
Earth pin on the left 0.2 - 2.5 mm <sup>2</sup> (26-14 AWG)	<b>720 635</b>
--	----------------



10  
82

**Male insert**

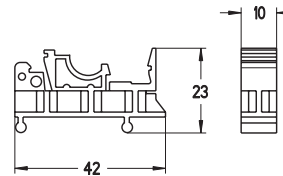
Earth pin on the left 0.2 - 2.5 mm <sup>2</sup> (26-14 AWG)	<b>720 634</b>
--	----------------



10  
67





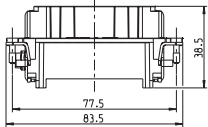
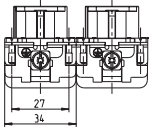

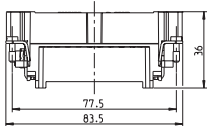
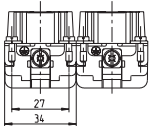
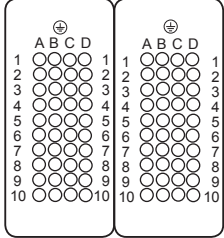
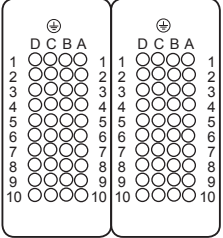
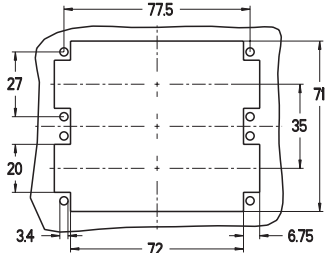

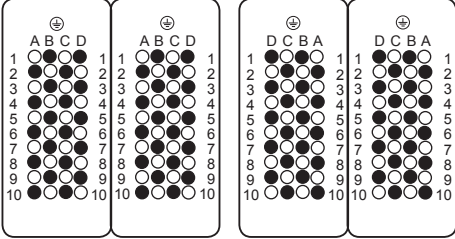

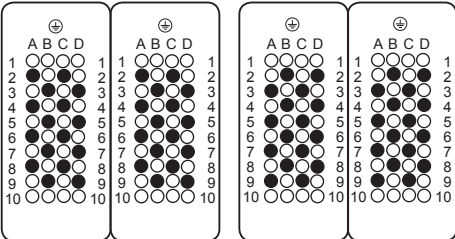
**Combi snap element**

for DIN-rail mounting 2 pieces required per adapter	<b>710 807</b>
--	----------------







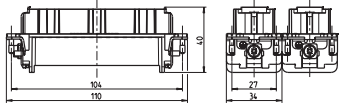

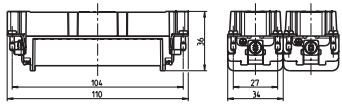


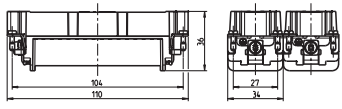

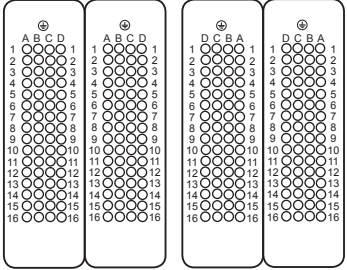
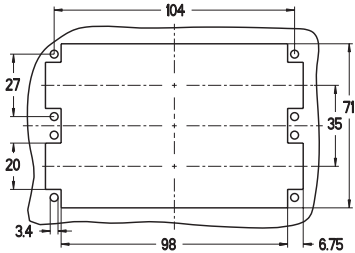

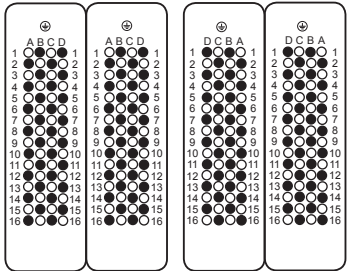

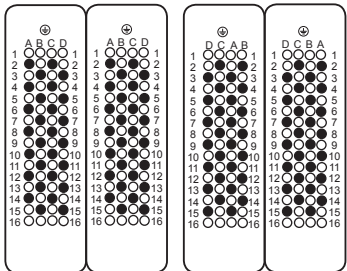


10  
4






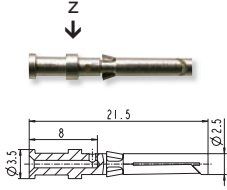
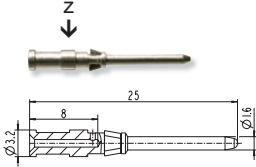
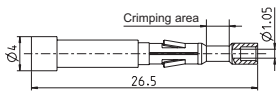
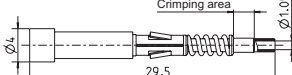
Description	Part no.	<b>Series D 80 P +</b>  10 A / 250 V UL/CSA: 600 V	  9
<b>Crimp contact carriers</b>		  	10 64
<b>Contact carrier</b> for sleeve contacts <b>2 x 720 340</b>	Please order crimp and glass fibre cable contacts separately	  	10 54
<b>Contact carrier</b> for pin contacts <b>2 x 720 440</b>	Please order crimp and glass fibre cable contacts separately	<p style="text-align: center;">View from termination side</p> <p style="text-align: center;">Female insert      Male insert</p>   <p style="text-align: center;">Panel cut-out</p>  <p style="text-align: center;">D 80 modified: <b>D 40.1-pole +</b> </p> <p>D 80 equipped with 2 x 20 contacts Rated voltage: 400 V</p>  <p style="text-align: center;">D 80 modified: <b>D 32.1-pole +</b> </p> <p>D 80 equipped with 2 x 16 contacts Rated voltage: 500 V</p>  <p style="text-align: center;">● working contact    ○ without contact</p>	

4

Description		Part no.	Part no.	Series D 80 P + $\oplus$		10 A / 250 V UL/CSA: 600 V		
<b>4</b> <b>Contacts</b>	<b>Sleeve contacts D</b> crimp-type solid, turned weight per 100	silver-plated	gold-plated		<b>Terminal cross section marked by z</b>  z  1 0.14-0.37 mm <sup>2</sup> 26-22 AWG 2 0.5 mm <sup>2</sup> 20 AWG 3 0.75-1 mm <sup>2</sup> 19-18 AWG 4 1.5 mm <sup>2</sup> 16 AWG 5 2.5 mm <sup>2</sup> 14 AWG	<b>100</b> 65 68 70 72 62		
		<b>720 506</b>	720 686					
		<b>720 507</b>	720 687					
		<b>720 508</b>	720 688					
		<b>720 509</b>	720 689					
<b>720 502</b>	720 690							
<b>Pin contact D</b> crimp-type solid, turned weight per 100	silver-plated	gold-plated		<b>100</b> 60 63 65 67 70				
	<b>720 516</b>	720 691						
	<b>720 517</b>	720 692						
	<b>720 518</b>	720 693						
	<b>720 519</b>	720 694						
<b>720 512</b>	720 695							
<b>Sleeve contact</b> Optical waveguide for POF, solid, turned, weight per 100	720 520			<b>100</b> 89				
<b>Pin contact</b> Optical waveguide for POF, solid, turned, weight per 100	720 530			<b>100</b> 74				

Description	Part no.	<b>Series D 128 P +</b>  10 A / 250 V UL/CSA: 600 V	  9
<b>Crimp contact carriers</b>		   	 <b>10</b> 82
<b>Contact carrier</b> for sleeve contacts <b>2 x 720 364</b>	Please order crimp and glass fibre cable contacts separately		
<b>Contact carrier</b> for pin contacts <b>2 x 720 464</b>	Please order crimp and glass fibre cable contacts separately	 	 <b>10</b> 67
<b>Contact arrangement</b>  D 128 (2xD64) completely equipped with 128 contacts Rated voltage: 250 V			<p>View from termination side</p> <p>Female insert      Male insert</p>  <p>Panel cut-out</p> 
D 128 modified: <b>D 64.1-pole +</b>   D 128 equipped with 2 x 32 contacts Rated voltage: 400 V			
D 128 modified: <b>D 56-pole +</b>   D 128 equipped with 2 x 28 contacts Rated voltage: 500 V		 <p> working contact     without contact</p>	

**4**

Description	Part no.	Part no.	<b>Series D 128 P +</b>  10 A / 250 V UL/CSA: 600 V	 																		
<div style="background-color: #00A0C0; color: white; padding: 5px; display: flex; align-items: center;"> <span style="font-size: 24px; font-weight: bold; margin-right: 10px;">4</span> <span style="font-size: 24px; font-weight: bold;">Contacts</span> </div>																						
<b>Sleeve contacts D</b> crimp-type solid, turned weight per 100	silver-plated <b>720 506</b> <b>720 507</b> <b>720 508</b> <b>720 509</b> <b>720 502</b>	gold-plated 720 686 720 687 720 688 720 689 720 690	 <table border="1" data-bbox="1018 322 1369 555"> <thead> <tr> <th>z</th> <th colspan="2">Terminal cross section marked by z</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.14-0.37 mm<sup>2</sup></td> <td>26-22 AWG</td> </tr> <tr> <td>2</td> <td>0.5 mm<sup>2</sup></td> <td>20 AWG</td> </tr> <tr> <td>3</td> <td>0.75-1 mm<sup>2</sup></td> <td>19-18 AWG</td> </tr> <tr> <td>4</td> <td>1.5 mm<sup>2</sup></td> <td>16 AWG</td> </tr> <tr> <td>5</td> <td>2.5 mm<sup>2</sup></td> <td>14 AWG</td> </tr> </tbody> </table>	z	Terminal cross section marked by z		1	0.14-0.37 mm <sup>2</sup>	26-22 AWG	2	0.5 mm <sup>2</sup>	20 AWG	3	0.75-1 mm <sup>2</sup>	19-18 AWG	4	1.5 mm <sup>2</sup>	16 AWG	5	2.5 mm <sup>2</sup>	14 AWG	<b>100</b> 65 68 70 72 62
z	Terminal cross section marked by z																					
1	0.14-0.37 mm <sup>2</sup>	26-22 AWG																				
2	0.5 mm <sup>2</sup>	20 AWG																				
3	0.75-1 mm <sup>2</sup>	19-18 AWG																				
4	1.5 mm <sup>2</sup>	16 AWG																				
5	2.5 mm <sup>2</sup>	14 AWG																				
<b>Pin contacts D</b> crimp-type solid, turned weight per 100	silver-plated <b>720 516</b> <b>720 517</b> <b>720 518</b> <b>720 519</b> <b>720 512</b>	gold-plated 720 691 720 692 720 693 720 694 720 695	 <table border="1" data-bbox="1018 591 1369 725"> <thead> <tr> <th>z</th> <th colspan="2">Terminal cross section marked by z</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.14-0.37 mm<sup>2</sup></td> <td>26-22 AWG</td> </tr> <tr> <td>2</td> <td>0.5 mm<sup>2</sup></td> <td>20 AWG</td> </tr> <tr> <td>3</td> <td>0.75-1 mm<sup>2</sup></td> <td>19-18 AWG</td> </tr> <tr> <td>4</td> <td>1.5 mm<sup>2</sup></td> <td>16 AWG</td> </tr> <tr> <td>5</td> <td>2.5 mm<sup>2</sup></td> <td>14 AWG</td> </tr> </tbody> </table>	z	Terminal cross section marked by z		1	0.14-0.37 mm <sup>2</sup>	26-22 AWG	2	0.5 mm <sup>2</sup>	20 AWG	3	0.75-1 mm <sup>2</sup>	19-18 AWG	4	1.5 mm <sup>2</sup>	16 AWG	5	2.5 mm <sup>2</sup>	14 AWG	<b>100</b> 60 63 65 67 70
z	Terminal cross section marked by z																					
1	0.14-0.37 mm <sup>2</sup>	26-22 AWG																				
2	0.5 mm <sup>2</sup>	20 AWG																				
3	0.75-1 mm <sup>2</sup>	19-18 AWG																				
4	1.5 mm <sup>2</sup>	16 AWG																				
5	2.5 mm <sup>2</sup>	14 AWG																				
<b>Sleeve contact</b> Optical waveguide for POF, solid, turned, weight per 100	<b>720 520</b>		 <p data-bbox="762 869 906 898">POF* Ø 1 mm</p>	<b>100</b> 89																		
<b>Pin contact</b> Optical waveguide for POF, solid, turned, weight per 100	<b>720 530</b>		 <p data-bbox="762 1025 906 1055">POF* Ø 1 mm</p>	<b>100</b> 74																		

