

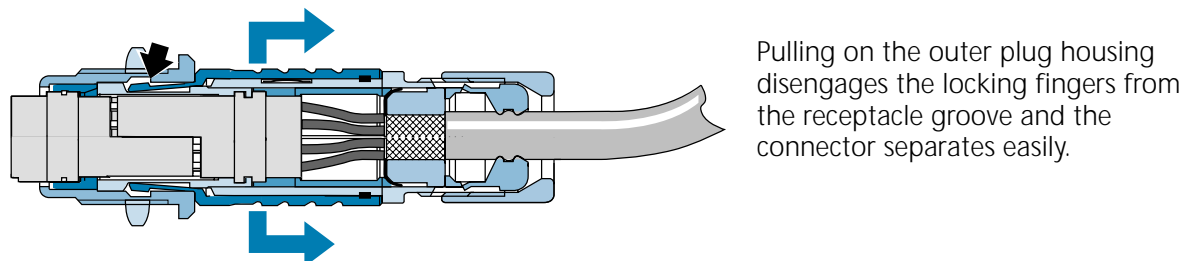
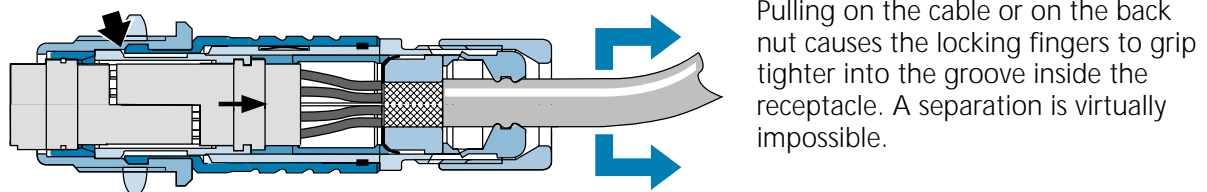
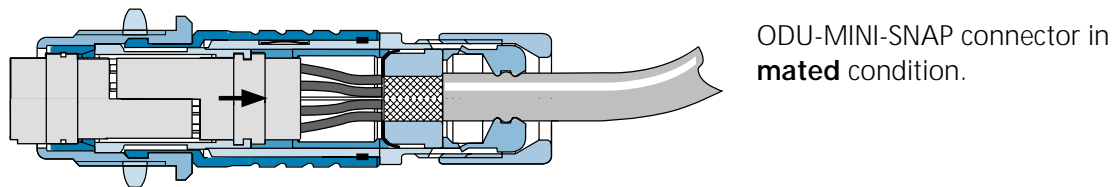
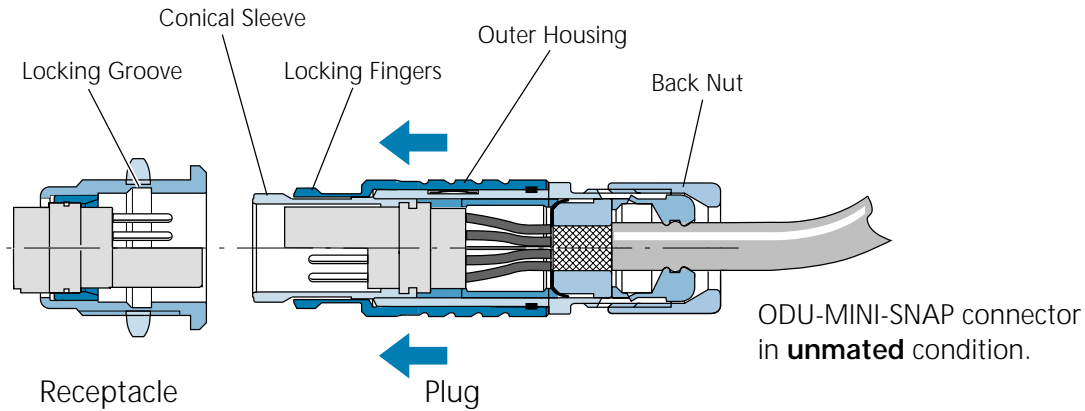
All shown connectors are according to  
DIN EN 61984:2009 connectors without  
breaking capacity (COC)



# ODU-MINI-SNAP

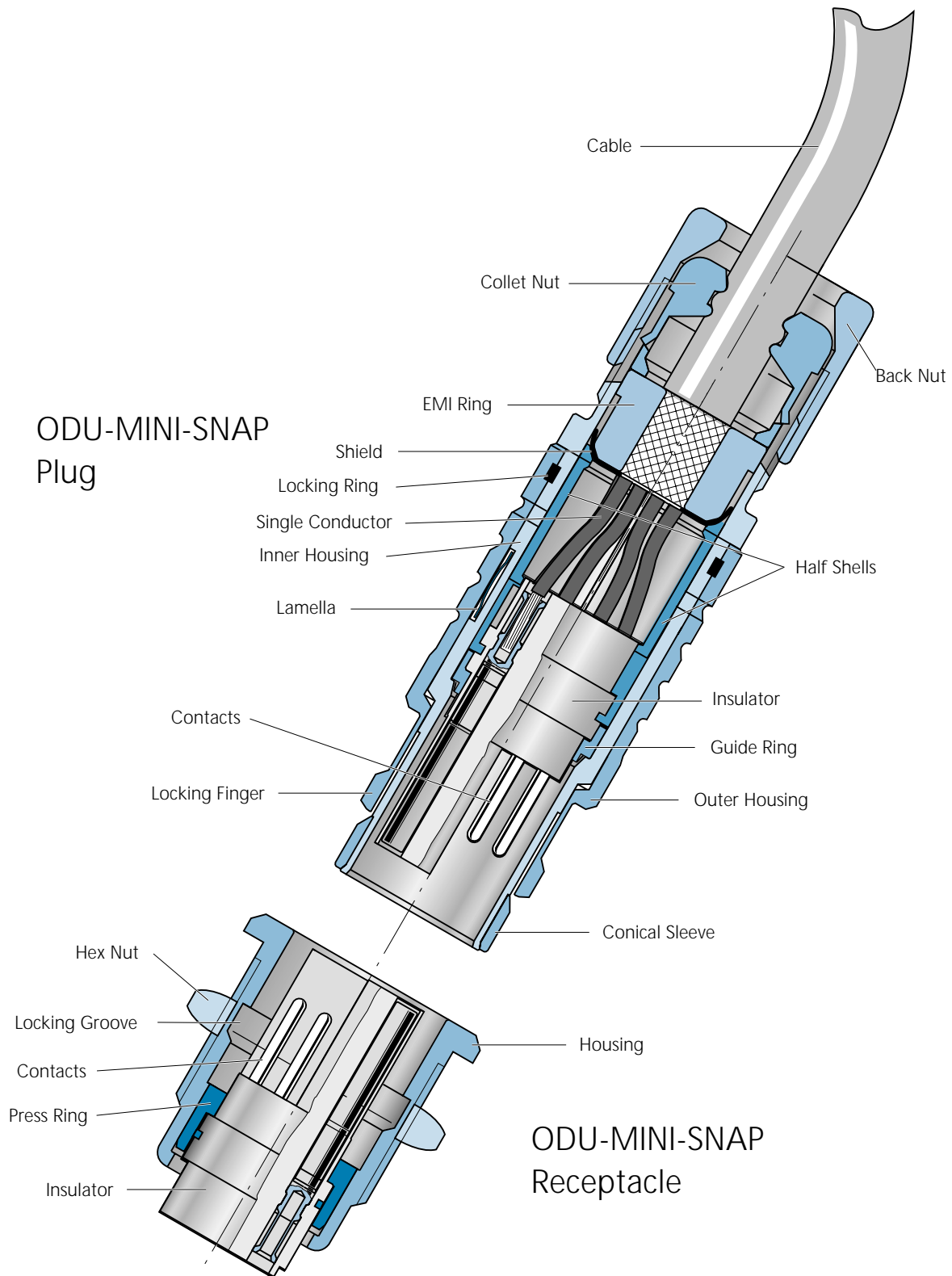
Series S - IP50 and IP68  
FP-Locking Concept  
Keying with Insulation Body

## The Push-Pull Locking Principle: FP



# ODU-MINI-SNAP

with FP-Locking Scheme in Cross Section



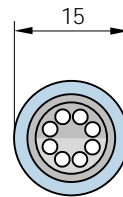
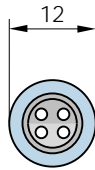
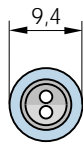
## Available Housing Sizes

(Scale 1 : 1)

**OD** = Outside Diameter (Plug)

**S** = Size

**OD:**



**S:**

0

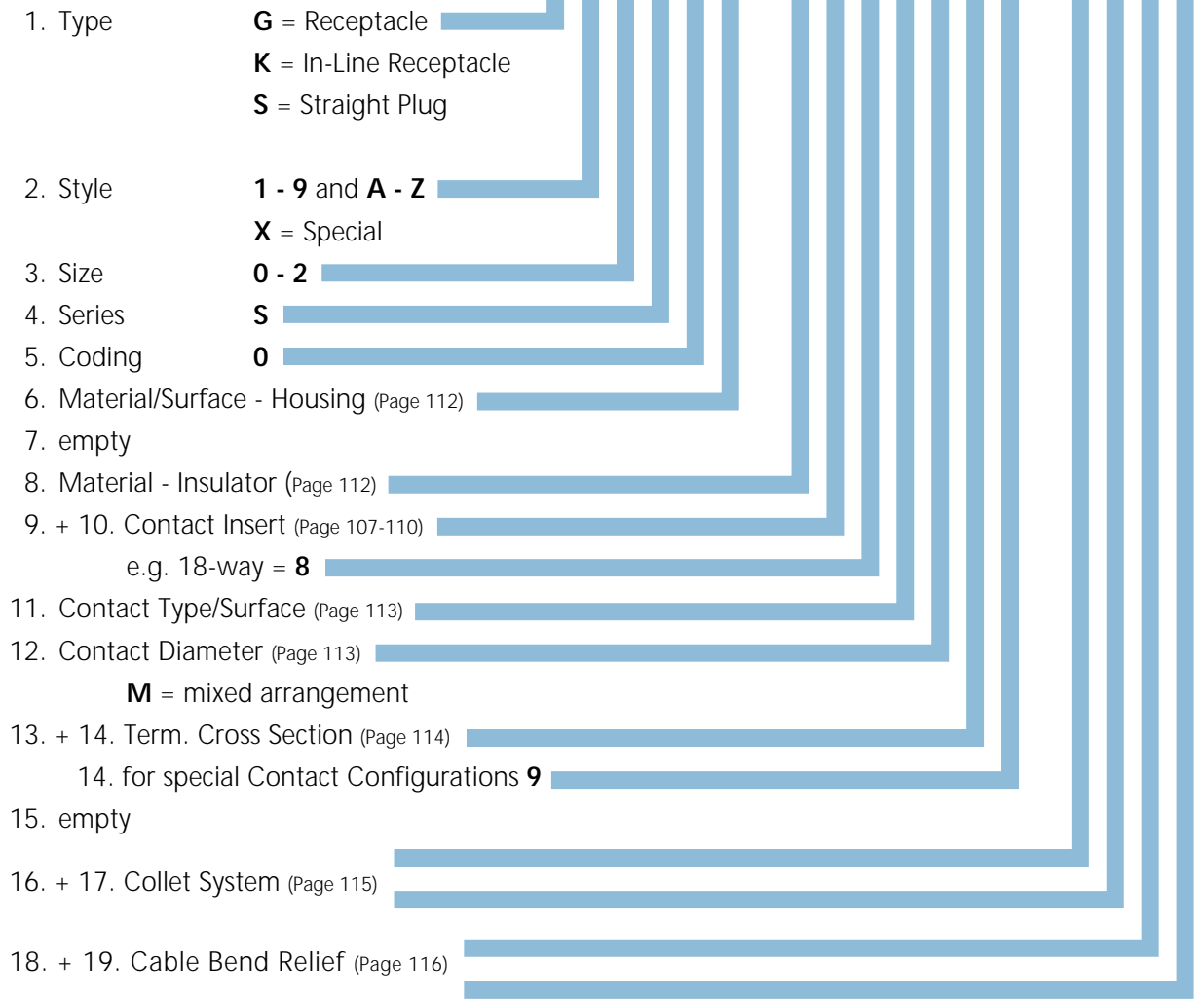
1

2

## The Part Number Key

### Part Number Key

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   |   | S | 0 |   | - |   |   |    |    |    |    |    |    | -  |    |    |    |



#### Example:

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| G | 5 | 2 | S | 0 | C | - | T | 0 | 8  | L  | J  | G  | 0  | -  | 0  | 0  | 0  | 0  |

Receptacle - Style 5 - Size 2 - Series S - Brass matt chromate Housing - PBT Insulator - 8pos. - Socket & Pin (solder) 0,75 µm Au - Term. Cross Section AWG22

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| S | 2 | 2 | S | 0 | C | - | T | 0 | 8  | M  | J  | G  | 0  | -  | 7  | 5  | E  | P  |

Plug - Style 2 - Size 2 - Series S - Brass matt chromate Housing - PBT Insulator - 8pos. - Pin & Socket (solder) 0,75 µm Au - Term. Cross Section AWG22 - Cable Diameter 7.1-7.5 -Blue Cable Bend Relief - Material PUR

### Part Number Key

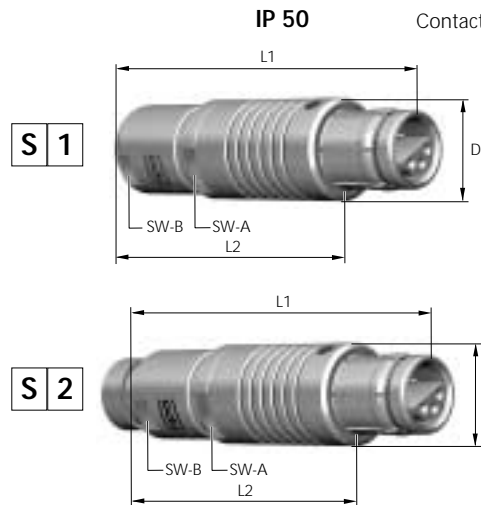
|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   |   | S | 0 |   | - |   |   |    |    |    |    |    | -  |    |    |    |    |



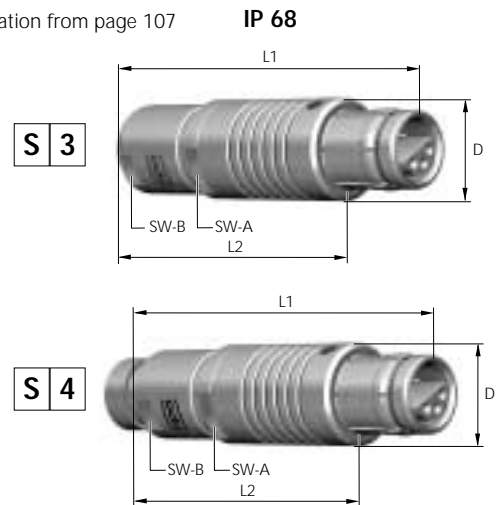
### Straight Plug

(Suitable for all following receptacles and in-line receptacles)

- S 1** - IP 50 – with Standard Back Nut
- S 2** - IP 50 – with Back Nut for Cable Bend Relief
- S 3** - IP 68 – watertight with Standard Back Nut
- S 4** - IP 68 – watertight with Back Nut for Cable Bend Relief



| Size | Dimensions in mm |      |     |      |      |
|------|------------------|------|-----|------|------|
|      | L1               | L2   | D   | SW-A | SW-B |
| 0    | ~ 37             | ~ 28 | 9,4 | 8    | 7    |
| 1    | ~ 47             | ~ 35 | 12  | 10   | 10   |
| 2    | ~ 50             | ~ 38 | 15  | 13   | 12   |



| Size | Dimensions in mm |      |     |      |      |
|------|------------------|------|-----|------|------|
|      | L1               | L2   | D   | SW-A | SW-B |
| 0    | ~ 40             | ~ 30 | 9,4 | 8    | 7    |
| 1    | ~ 49             | ~ 38 | 12  | 10   | 10   |
| 2    | ~ 53             | ~ 40 | 15  | 13   | 12   |

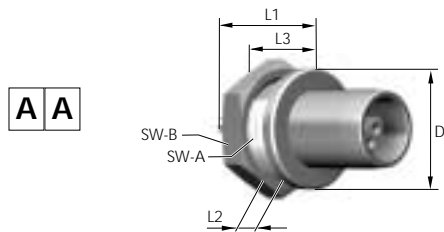
### Part Number Key

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   |   | S |   |   | - |   |   |    |    |    |    |    | -  |    |    | 0  | 0  |

### Panel-Mounted Plug

(Suitable for all following receptacles and in-line receptacles)

**A A** - IP 50 – with hex nut, non latching



Contact configuration from page 27

| Size | Dimensions in mm |     |      |    |      |      | Panel Cut-Out    |
|------|------------------|-----|------|----|------|------|------------------|
|      | L1               | L2  | L3   | D  | SW-A | SW-B |                  |
| 0    | 17               | 5,8 | 24,5 | 10 | 8,2  | 11   | SW 8,3 / Ø 9,1   |
| 1    | 22,3             | 10  | 29,5 | 14 | 10,5 | 14   | SW 10,6 / Ø 12,1 |
| 2    | 23,5             | 9,7 | 31,5 | 18 | 13,5 | 17   | SW 13,6 / Ø 15,1 |
| 3    | 29               | 12  | 33   | 22 | 16,5 | 22   | SW 16,6 / Ø 18,1 |

### Part Number Key

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   |   | S | 0 |   | - |   |   |    |    |    |    |    | -  |    |    |    |    |



### In-Line Receptacle

- K 1** - IP 50 – with Standard Back Nut
- K 2** - IP 50 – with Back Nut for Cable Bend Relief
- K 3** - IP 68 – watertight with Standard Back Nut
- K 4** - IP 68 – watertight with Back Nut for Cable Bend Relief

**IP 50**

Contact configuration from page 107

| Size | Dimensions in mm |    |      |      |
|------|------------------|----|------|------|
|      | L1               | D  | SW-A | SW-B |
| 0    | ~ 36             | 10 | 8    | 7    |
| 1    | ~ 43             | 12 | 10   | 10   |
| 2    | ~ 50             | 15 | 13   | 12   |

**IP 68**

| Size | Dimensions in mm |    |      |      |
|------|------------------|----|------|------|
|      | L1               | D  | SW-A | SW-B |
| 0    | ~ 40             | 10 | 8    | 7    |
| 1    | -                | -  | -    | -    |
| 2    | ~ 51             | 16 | 13   | 12   |

ODU-MINI-SNAP In-Line Receptacle connect to plug for cable-to-cable connection.



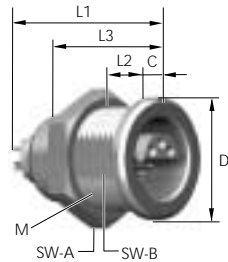
### Part Number Key

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   |   | S | 0 |   | - |   |   |    |    |    |    |    | -  |    |    |    |    |

<sup>1)</sup> L1 = Maximum Length incl. Contact Insert  
<sup>2)</sup> L3 = Length of Housing

## Receptacle

**G 1** Style 1 – ODU-MINI-SNAP RECEPTACLE IP 50, installation from front of panel

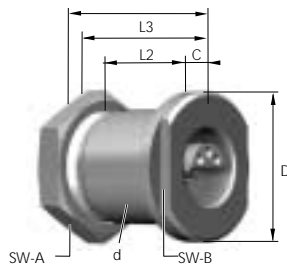


#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 107

| Size | Dimensions in mm |       |                  |        |      |      |      |     | Panel Cut-Out    |
|------|------------------|-------|------------------|--------|------|------|------|-----|------------------|
|      | <sup>1)</sup> L1 | L2    | <sup>2)</sup> L3 | M      | D    | SW-A | SW-B | C   |                  |
| 0    | ~19,5            | ~ 9,0 | 14,5             | 9x0,5  | 10,0 | 11,0 | 8,2  | 1,5 | SW 8,3 / Ø 9,1   |
| 1    | ~23,0            | ~ 8,0 | 16,5             | 12x1,0 | 14,0 | 14,0 | 10,0 | 1,5 | SW 10,1 / Ø 12,1 |
| 2    | ~25,5            | ~10,0 | 18,5             | 15x1,0 | 18,0 | 17,0 | 13,5 | 2,0 | SW 13,6 / Ø 15,1 |

**G 2** Style 2 – ODU-MINI-SNAP WATERTIGHT RECEPTACLE IP 68\*, installation from front of panel



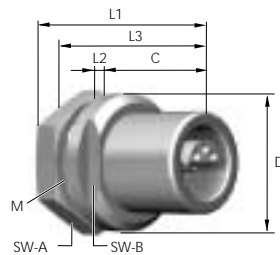
#### Technical Data

- IP 68
- contact configuration from page 107
- distance ring for wall-thickness adjustment, see page 163

| Size | Dimensions in mm |                  |                  |        |      |      |      |     |      | Panel Cut-Out |
|------|------------------|------------------|------------------|--------|------|------|------|-----|------|---------------|
|      | <sup>1)</sup> L1 | <sup>3)</sup> L2 | <sup>2)</sup> L3 | M      | D    | SW-A | SW-B | C   | d    |               |
| 2    | ~27,0            | ~13,0            | 23,0             | 16x1,0 | 22,0 | 19,0 | 17,0 | 4,0 | 16,0 | Ø 16,1        |

<sup>3)</sup> Min. wallthickness without using a distance ring

**G 4** Style 4 – ODU-MINI-SNAP WATERTIGHT RECEPTACLE IP 68\*, installation from front of panel with low rear profile



#### Technical Data

- IP 68
- contact configuration from page 107

| Size | Dimensions in mm |       |                  |        |      |      |      |      | Panel Cut-Out    |
|------|------------------|-------|------------------|--------|------|------|------|------|------------------|
|      | <sup>1)</sup> L1 | L2    | <sup>2)</sup> L3 | M      | D    | SW-A | SW-B | C    |                  |
| 0    | ~21,5            | ~ 4,5 | 18,5             | 9x0,5  | 14,5 | 11,0 | 12,0 | 12,0 | SW 8,3 / Ø 9,1   |
| 1    | ~25,0            | ~ 4,0 | 22,5             | 14x1,0 | 18,0 | 17,0 | 14,0 | 15,5 | SW 12,1 / Ø 14,1 |

\*Reference: Potted Receptacle please see page 183 III.

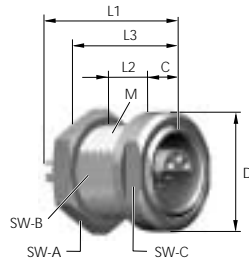
### Part Number Key

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   |   |   | S | 0 | - |   |   |    |    |    |    |    | -  |    |    |    |    |

<sup>1)</sup> L1 = Maximum Length incl. Contact Insert  
<sup>2)</sup> L3 = Length of Housing


## Receptacle

**G 5** **Style 5** – ODU-MINI-SNAP RECEPTACLE IP 50, CONTINUOUS THREAD, installation from rear or front of panel. Front extension adjustable

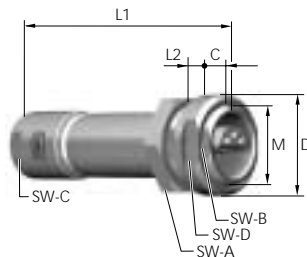


#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 107


| Size | Dimensions in mm |       |                  |        |      |      |      |      |     |  Panel Cut-Out |
|------|------------------|-------|------------------|--------|------|------|------|------|-----|---|
|      | <sup>1)</sup> L1 | L2    | <sup>2)</sup> L3 | M      | D    | SW-A | SW-B | SW-C | C   |   |
| 0    | ~19,5            | ~ 8,0 | 14,5             | 9x0,5  | 11,5 | 11,0 | 8,2  | 10,0 | 2,5 | SW 8,3 / Ø 9,1  |
| 1    | ~23,0            | ~ 7,0 | 16,5             | 12x1,0 | 15,0 | 14,0 | 10,5 | 13,0 | 4,0 | SW 10,6 / Ø 12,1  |

**G 6** **Style 6** – ODU-MINI-SNAP RECEPTACLE IP 50 WITH STRAIN RELIEF, without flange, with two nuts, installation from rear or front of panel

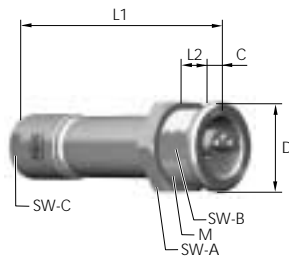


#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 107


| Size | Dimensions in mm |       |        |      |      |      |      |      |     |  Panel Cut-Out |
|------|------------------|-------|--------|------|------|------|------|------|-----|---|
|      | L1               | L2    | M      | D    | SW-A | SW-B | SW-C | SW-D | D   |   |
| 1    | ~44,0            | ~ 4,0 | 12x1,0 | 15,0 | 14,0 | 10,5 | 10,0 | 13,0 | 4,0 | SW 10,6 / Ø 12,1  |
| 2    | ~49,0            | ~ 7,0 | 15x1,0 | 20,0 | 17,0 | 13,5 | 12,0 | 17,0 | 4,0 | SW 13,6 / Ø 15,1  |

**G 7** **Style 7** – ODU-MINI-SNAP RECEPTACLE IP 50, WITH STRAIN RELIEF, installation from front of panel



#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 107

| Size | Dimensions in mm |      |       |      |      |      |      |     |  Panel Cut-Out |
|------|------------------|------|-------|------|------|------|------|-----|---|
|      | L1               | L2   | M     | D    | SW-A | SW-B | SW-C | C   |   |
| 0    | ~36,0            | ~7,0 | 9x0,5 | 10,0 | 11,0 | 8,2  | 7,0  | 1,5 | SW 8,3 / Ø 9,1  |

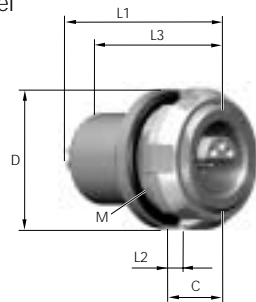
### Part Number Key

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   |   | S | 0 |   | - |   |   |    |    |    |    |    | -  |    |    |    |    |

<sup>1)</sup> L1 = Maximum Length incl. Contact Insert  
<sup>2)</sup> L3 = Length of Housing


## Receptacle

**G 8** **Style 8** – ODU-MINI-SNAP **WATERTIGHT RECEPTACLE IP 68\***, with slotted nut, installation from rear of panel

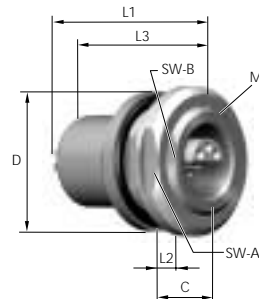


#### Technical Data

- IP 68
- anti-rotation feature
- contact configuration from page 107
- nutdriver for slotted mounting nut see page 168


| Size | Dimensions in mm |       |                  |        |      |     | <br>Panel Cut-Out |
|------|------------------|-------|------------------|--------|------|-----|---|
|      | <sup>1)</sup> L1 | L2    | <sup>2)</sup> L3 | M      | D    | C   |   |
| 0    | ~21,5            | ~ 3,5 | 18,5             | 10x0,5 | 14,5 | 6,5 | SW 9,1 / Ø 10,1   |
| 2    | ~27,0            | ~ 3,0 | 23,0             | 16x1,0 | 21,0 | 8,0 | SW 15,1 / Ø 16,1  |

**G D** **Style D** – ODU-MINI-SNAP **RECEPTACLE IP 68\***, with round nut, installation from rear of panel

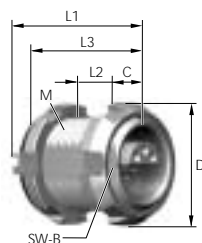


#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 107


| Size | Dimensions in mm |       |                  |        |      |      |      |     | <br>Panel Cut-Out |
|------|------------------|-------|------------------|--------|------|------|------|-----|--|
|      | <sup>1)</sup> L1 | L2    | <sup>2)</sup> L3 | M      | D    | SW-A | SW-B | C   |  |
| 0    | ~22,5            | ~ 4,0 | 18,5             | 10x0,5 | 14,5 | 12,0 | 9,0  | 6,5 | SW 9,1 / Ø 10,1  |
| 2    | ~29,0            | ~ 5,0 | 23,0             | 16x1,0 | 21,0 | 19,0 | 15,0 | 8,0 | SW 15,1 / Ø 16,1   |

**G Q** **Style Q** – ODU-MINI-SNAP **RECEPTACLE IP 50, CONTINUOUS THREAD**, (see style 5, but 2 special nuts) installation from rear or front of panel. Extension in front of panel is adjustable



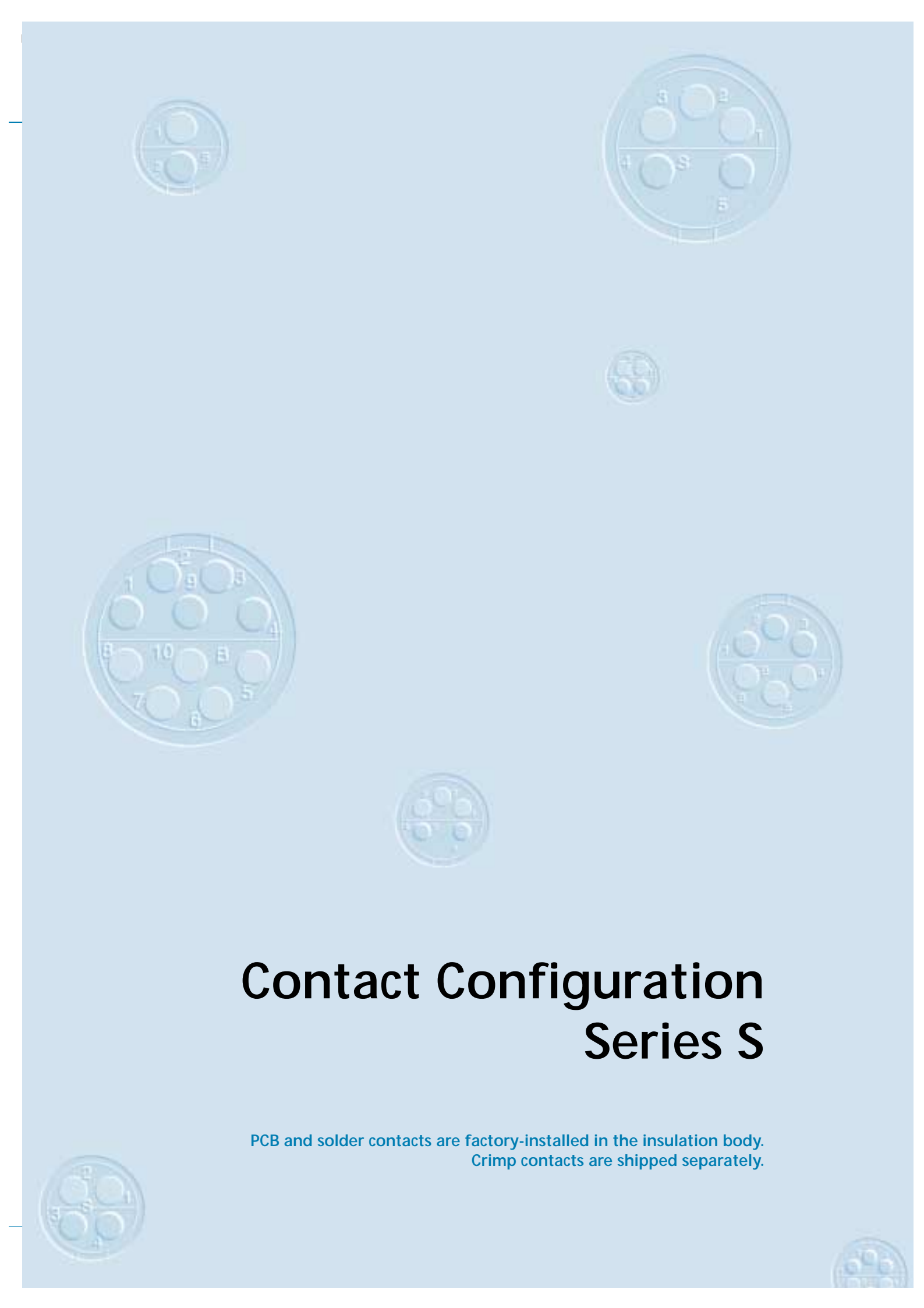
#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 107
- nutdriver for slotted mounting nut, see page 168

| Size | Dimensions in mm |       |                  |       |      |      |     | <br>Panel Cut-Out |
|------|------------------|-------|------------------|-------|------|------|-----|--|
|      | <sup>1)</sup> L1 | L2    | <sup>2)</sup> L3 | M     | D    | SW-B | C   |  |
| 0    | ~19,5            | ~ 7,0 | 14,5             | 9x0,5 | 12,0 | 8,2  | 3,0 | SW 8,3 / Ø 9,1   |

\*Reference: Potted Receptacle please see page 183 III.



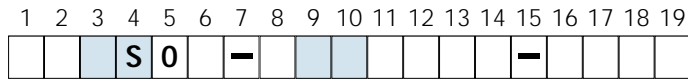


# Contact Configuration Series S

PCB and solder contacts are factory-installed in the insulation body.  
Crimp contacts are shipped separately.

## Size 0

### Part Number Key



|                                  | Size | Series | Positions | Positions | Contact <sup>2)</sup><br>Ø mm | Nominal Signal<br>Contact Current<br>Load in A * | Test Voltage<br>acc.<br>VDE 0627 <sup>1)</sup> | Terminations <sup>3)</sup> |                     |     | View on termination side |        |
|----------------------------------|------|--------|-----------|-----------|-------------------------------|--|--|----------------------------|---------------------|-----|--------------------------|--------|
|                                  |      |        |           |           |                               |  |  | Solder                     | Crimp <sup>7)</sup> | PCB | Pin Part                 | Socket |
| Standard-Polbilder <sup>4)</sup> | 0    | S      | 0         | 2         | 0,9                           | 10   | 1000 VAC                                       |                            | ●                   |     |                          |        |
|                                  | 0    | S      | 0         | 3         | 0,7                           | 7  | 875 VAC  | ●                          |                     |     |                          |        |
|                                  | 0    | S      | 0         | 4         | 0,7                           | 7  | 875 VAC  | ●                          |                     |     |                          |        |

<sup>1)</sup> In most cases the operating voltage according to MIL-STD-1344, Method 3001 is twice as high as according to VDE.

<sup>2)</sup> Termination cross section see page 114

<sup>3)</sup> Termination and surface see page 113

<sup>7)</sup> Tools for assembly see page 165 to 168

\* Derating Factor see page 186

<sup>4)</sup> Standard Contact Configuration (compatible with other manufacturers)

➔ **Crimp and Print Termination on request**

Coaxial and triaxial connectors please see on page 146

# Size 1

## Part Number Key

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   | S | 0 | - |   |   |   |   |    |    |    |    |    | -  |    |    |    |    |

| Standard-Polbilder <sup>A)</sup> | Size | Series | Positions | Positions | Contact <sup>2)</sup><br>Ø mm | Nominal Signal<br>Contact Current<br>Load in A * | Test Voltage<br>acc.<br>VDE 0627 <sup>1)</sup> | Terminations <sup>3)</sup> |     |          | View on termination side |  |
|----------------------------------|------|--------|-----------|-----------|-------------------------------|--|--|----------------------------|-----|----------|--------------------------|--|
|                                  |      |        |           |           |                               |  | Solder   | Crimp <sup>7)</sup>        | PCB | Pin Part | Socket                   |  |
|                                  | 1    | S      | 0         | 1         | 2,0                           | 22   | 1000 VAC                                       | ●                          |     |          |                          |  |
|                                  | 1    | S      | 0         | 2         | 1,3                           | 14   | 1000 VAC                                       | ●                          |     |          |                          |  |
|                                  | 1    | S      | 0         | 3         | 0,9                           | 10   | 1000 VAC                                       | ●                          |     |          |                          |  |
|                                  | 1    | S      | 0         | 4         | 0,9                           | 10   | 1000 VAC                                       | ●                          | ●   |          |                          |  |
|                                  | 1    | S      | 0         | 5         | 2x0,9<br>3x0,7                | 10<br>7  | 1000 VAC                                       | ●                          |     |          |                          |  |
|                                  | 1    | S      | 0         | 6         | 0,7                           | 7  | 1000 VAC                                       | ●                          |     |          |                          |  |

<sup>1)</sup> In most cases the operating voltage according to MIL-STD-1344, Method 3001 is twice as high as according to VDE.

<sup>2)</sup> Termination cross section see page 114

<sup>3)</sup> Termination and surface see page 113

<sup>7)</sup> Tools for assembly see page 165 to 168

\* Derating Factor see page 186

<sup>A)</sup> Standard Contact Configuration (compatible with other manufacturers)

➔ Crimp and Print Termination on request

Coaxial and triaxial connectors please see on page 146

## Size 2

### Part Number Key

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   | S | 0 | - |   |   |   |   |    |    |    |    |    | -  |    |    |    |    |

|  | Size | Series | Positions | Positions | Contact <sup>2)</sup><br>Ø mm | Nominal Signal<br>Contact Current<br>Load in A * | Test Voltage<br>acc.<br>VDE 0627 <sup>1)</sup> | Terminations <sup>3)</sup> |                     |     | View on termination side |        |
|--|------|--------|-----------|-----------|-------------------------------|--|--|----------------------------|---------------------|-----|--------------------------|--------|
|  |      |        |           |           |                               |  |  | Solder                     | Crimp <sup>7)</sup> | PCB | Pin Part                 | Socket |
| Standard Contact Configuration <sup>A)</sup> | 2    | S      | 0         | 2         | 1,6                           | 17   | 1500 VAC                                       | ●                          |                     |     |                          |        |
|  | 2    | S      | 0         | 4         | 1,3                           | 14   | 1250 VAC                                       | ●                          | ●                   |     |                          |        |
|  | 2    | S      | 0         | 5         | 1,3                           | 14   | 1250 VAC                                       | ●                          |                     |     |                          |        |
|  | 2    | S      | 0         | 6         | 1,3                           | 14   | 1250 VAC                                       | ●                          |                     |     |                          |        |
|  | 2    | S      | 0         | 8         | 0,9                           | 10   | 875 VAC  | ●                          | ●                   |     |                          |        |
|  | 2    | S      | 1         | 10        | 0,9                           | 10   | 875 VAC  | ●                          | ●                   |     |                          |        |

<sup>1)</sup> In most cases the operating voltage according to MIL-STD-1344, Method 3001 is twice as high as according to VDE.

<sup>2)</sup> Termination cross section see page 114

<sup>3)</sup> Termination and surface see page 113

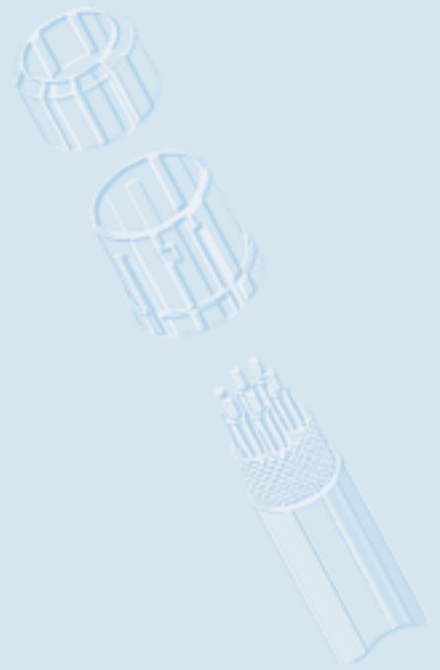
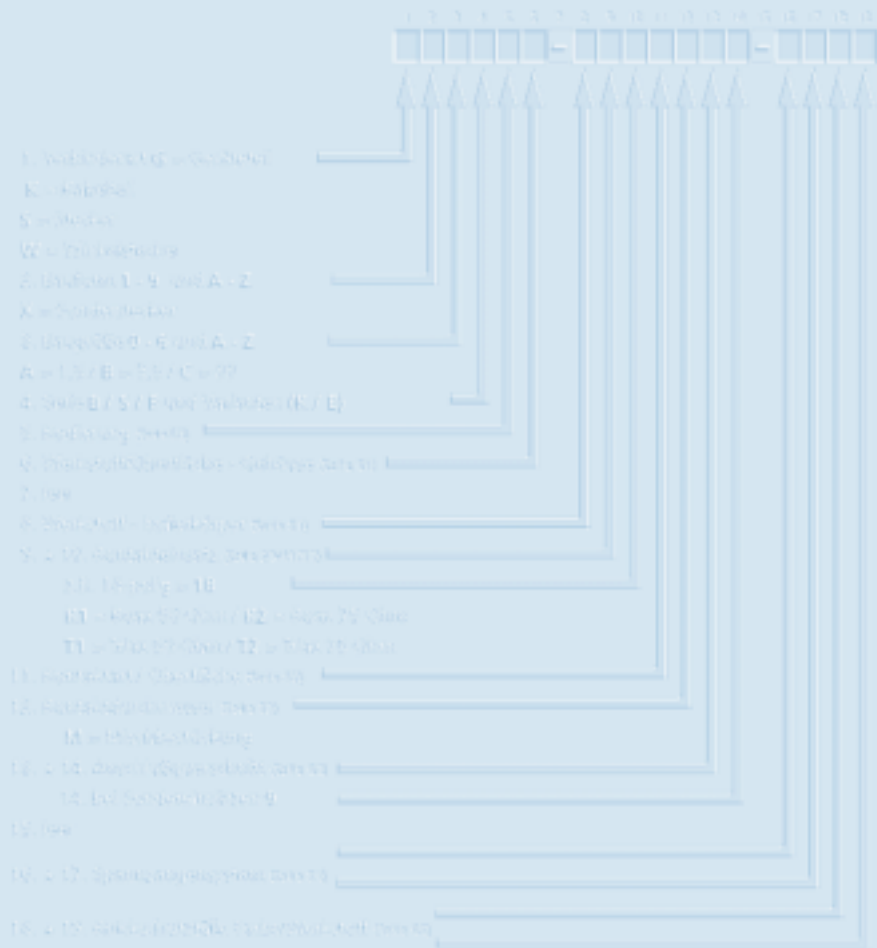
<sup>7)</sup> Tools for assembly see page 165 to 168

\* Derating Factor see page 186

<sup>A)</sup> Standard Contact Configuration (compatible with other manufacturers)

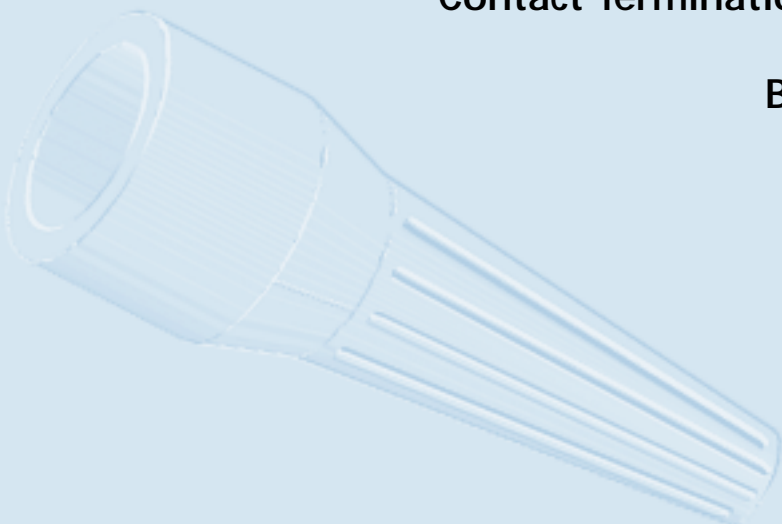
→ Crimp and Print Termination on request





# Details for the Part Number Key:

- Housing Materials / Surfaces
- Insulation Body Material
- Contacts
- Contact Termination Cross Section (AWG)
- Collet System
- Bend Protection Sleeves



### Housing Materials / Surfaces

#### Part Number Key

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   |   | S | 0 |   | - |   |   |    |    |    |    |    | -  |    |    |    |    |



- C** Standard  
Cu-alloy / matt chromate

---

- N** Special materials and surfaces on request.  
Cu-alloy / nickel

---

- S** Cu-alloy / black chromate

### Insulation Body Material

#### Part Number Key

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   |   | S | 0 |   | - |   |   |    |    |    |    |    | -  |    |    |    |    |



- T** PBT

---

- P** PEEK

---

- Additional materials on request.

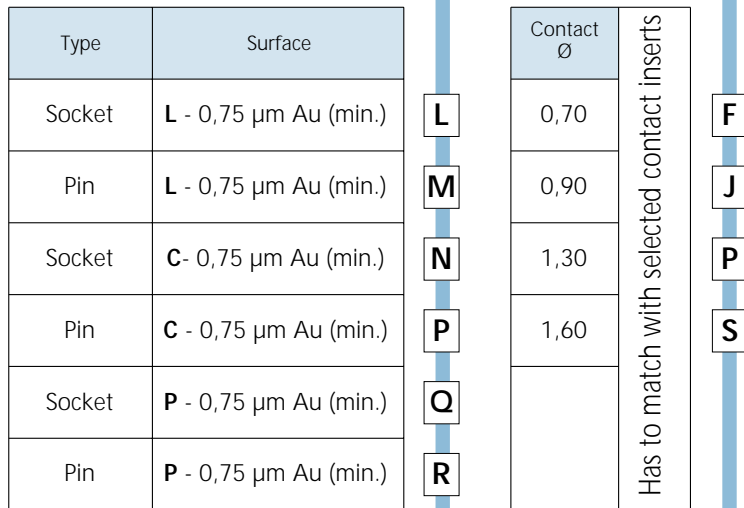
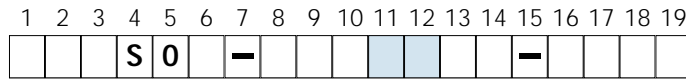
### Turned Contact

| Article Number     | PBT | PEEK |
|--------------------|-----|------|
| Solder Termination | ✓   | ✓    |
| Crimp Termination  | ✓   | -    |
| PCB Termination    | ✓   | ✓    |

✓ = available

### Contact Type / Contact Surface - Contact Diameter

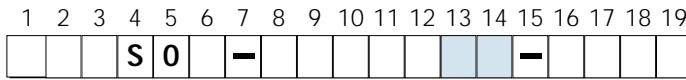
#### Part Number Key



- L = Solder termination
- C = Crimp termination
- P = PCB termination

### Contact Termination Cross Sections

#### Part Number Key



#### Crimp Contact

| Contact Ø | Size | AWG   | mm <sup>2</sup> |
|-----------|------|-------|-----------------|
| 0,9       | 0    | 24/26 | 0,25/0,15       |
| 0,9       | 0    | 22    | 0,38            |
| 0,9       | 2    | 24/26 | 0,25/0,15       |
| 0,9       | 2    | 20/22 | 0,50/0,38       |
| 1,3       | 2    | 18    | 1,0             |



|   |   |
|---|---|
| D | 0 |
| G | 0 |
| D | 0 |
| H | 0 |
| L | 0 |

Tools for crimping and their adjustments see Page 166.

#### Solder Contact

| Contact Ø | Term. Ø | Term. Cross |                 |
|-----------|---------|-------------|-----------------|
|           |         | AWG         | mm <sup>2</sup> |
| 0,7       | 0,6     | 26          | 0,15            |
| 0,9       | 0,85    | 22          | 0,38            |
| 1,3       | 1,1     | 20          | 0,50            |
| 1,6       | 1,5     | 18          | 1,00            |

|   |   |
|---|---|
| D | 0 |
| G | 0 |
| H | 0 |
| N | 0 |

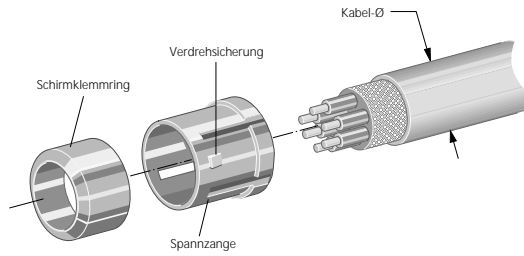
#### PCB Contact

| Contact Ø | Term. Ø |
|-----------|---------|
| 0,9       | 0,7     |

|   |   |
|---|---|
| 0 | 0 |
|---|---|

## Collet System

### Part Number Key

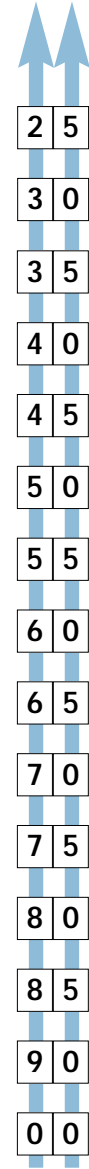


|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   |   | S | 0 |   | - |   |   |    |    |    |    |    |    | -  |    |    |    |

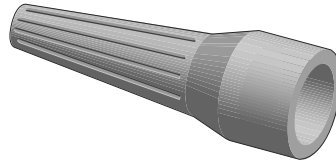
**Insert:** for all Plugs and In-Line Receptacles.

**Application:** **Collet nut** for strain relief,  
**EMI ring** for conductive path between shield and housing.

| Cable diameter in mm  | Size |   |   |
|-----------------------|------|---|---|
|                       | 0    | 1 | 2 |
| > 2,0 - 2,5           | ●    |   |   |
| > 2,5 - 3,0           | ●    | ● | ● |
| > 3,0 - 3,5           | ●    | ● | ● |
| > 3,5 - 4,0           | ●    | ● | ● |
| > 4,0 - 4,5           | ●    | ● | ● |
| > 4,5 - 5,0           | ●    | ● | ● |
| > 5,0 - 5,5           |      | ● | ● |
| > 5,5 - 6,0           |      | ● | ● |
| > 6,0 - 6,5           |      | ● | ● |
| > 6,5 - 7,0           |      | ● | ● |
| > 7,0 - 7,5           |      |   | ● |
| > 7,5 - 8,0           |      |   | ● |
| > 8,0 - 8,5           |      |   | ● |
| > 8,5 - 9,0           |      |   | ● |
| without collet system |      |   |   |



**Cable Bend Relief**



**Part Number Key**

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|   |   |   | S | 0 |   | - |   |   |    |    |    |    |    | -  |    |    |    |    |

**Color of the Cable Bend Relief**

| Color / RAL-Number<br><small>(similar)</small> |          |
|--|----------|
| red  | RAL 3020 |
| white  | RAL 9010 |
| yellow   | RAL 1016 |
| green  | RAL 6029 |
| blue   | RAL 5002 |
| grey   | RAL 7005 |
| black  | RAL 9005 |
| orange   | RAL 2004 |
| purple   | RAL 4005 |
| brown  | RAL 8016 |
| light green                                    | RAL 6018 |
| light blue                                     | RAL 5012 |
| Material                                       |          |
| PUR  |          |
| <b>without cable bend relief</b>               |          |



Temperature range  
 PUR -40 °C up to +80 °C  
 Short-term up to +120 °C