



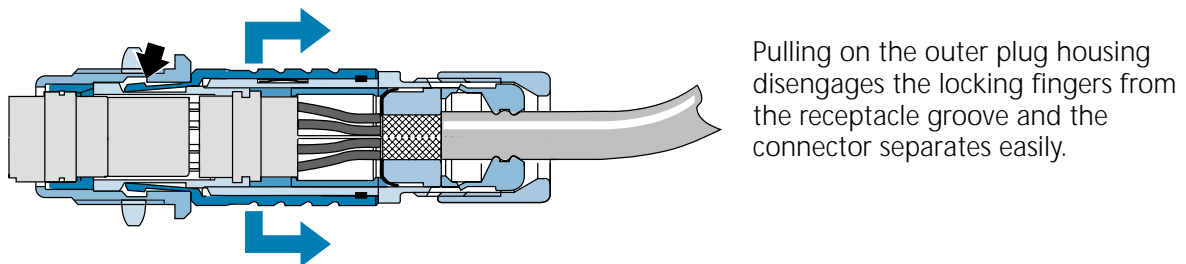
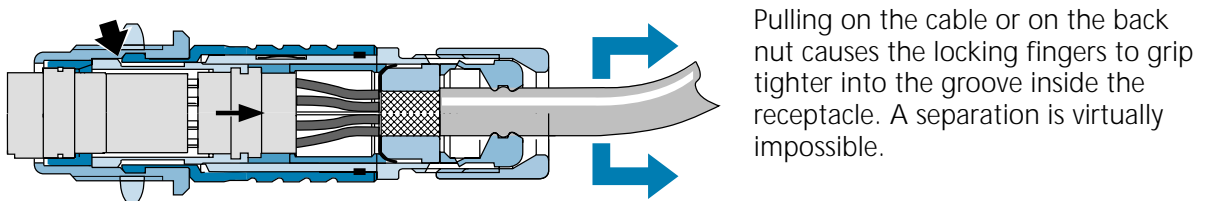
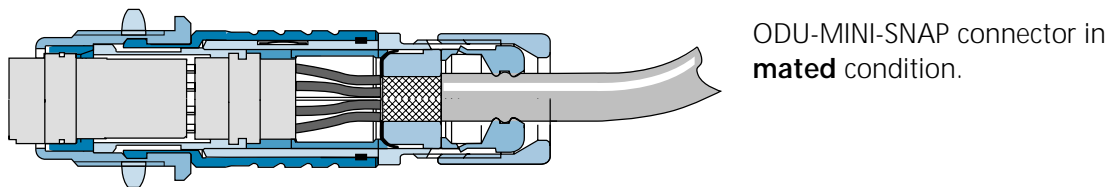
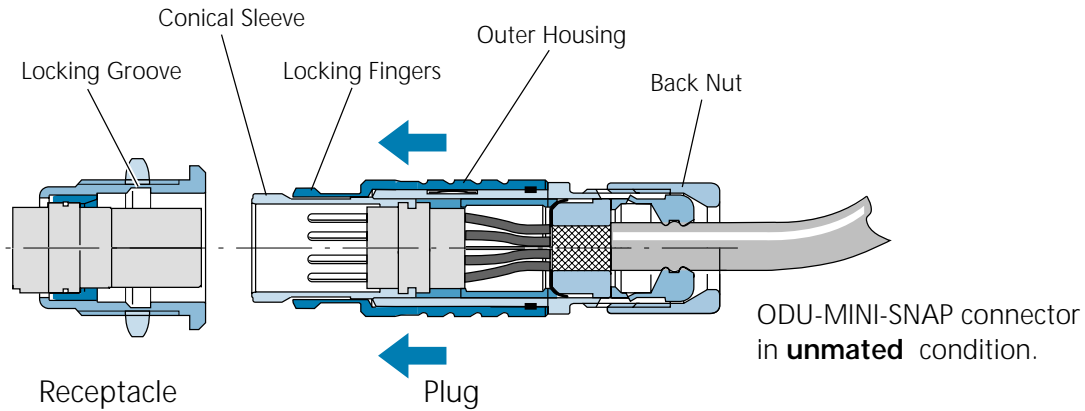
# ODU-MINI-SNAP

Series F - IP50 and IP68

FP-Locking Concept

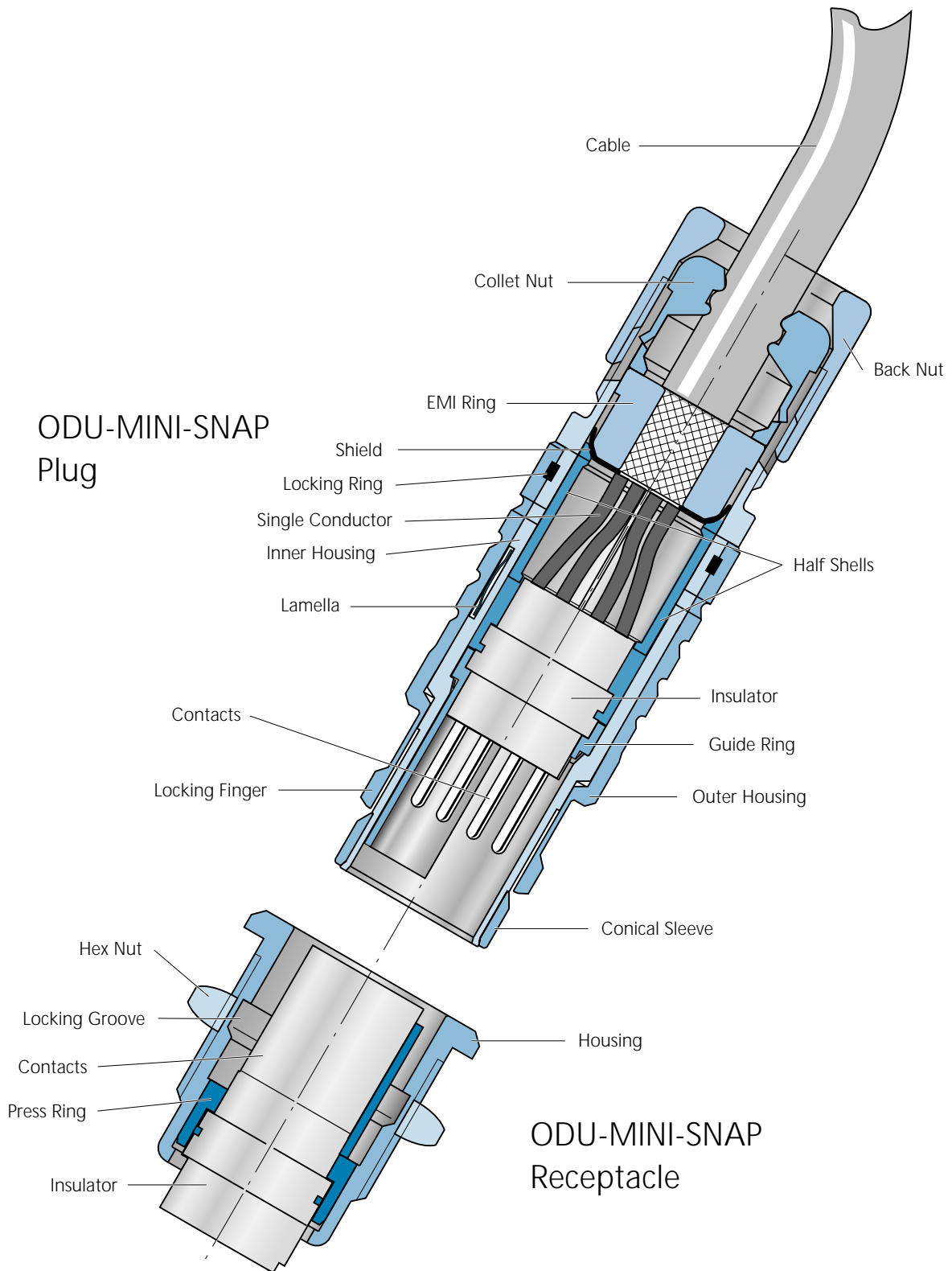
Keying with Halfshells

## The Push-Pull Locking Principle: FP



# ODU-MINI-SNAP

with FP-Locking Scheme in Cross Section

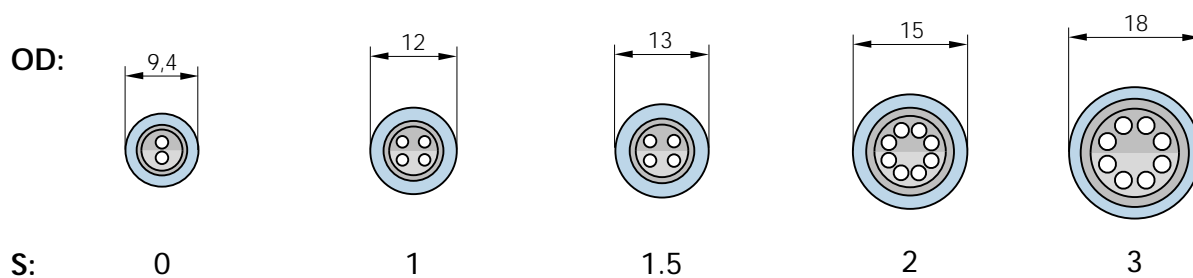


## Available Housing Sizes

(Scale 1 : 1)

**OD** = Outside Diameter (Plug)

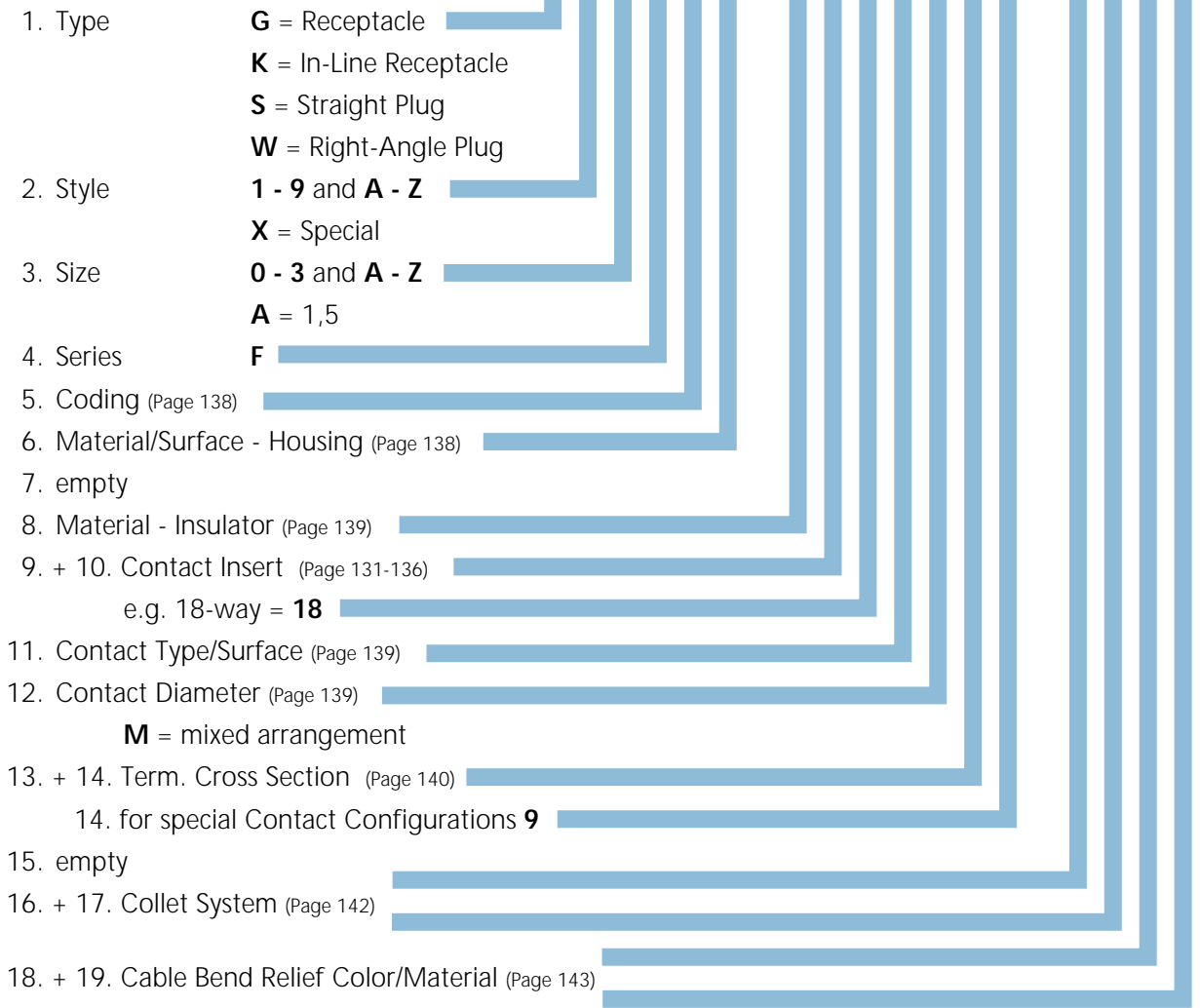
**S** = Size



## 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	
			F			-									-				



**Example:**

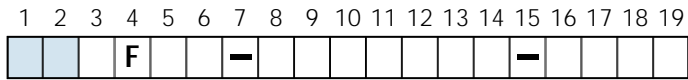
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
G	5	2	F	1	C	-	T	1	6	L	F	D	0	-	0	0	0	0

Receptacle - Style 5 - Size 2 - Series F - Coding 1 - Brass matt chromate Housing - PBT Insulator - 16pos. - Socket(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	F	1	C	-	P	1	6	M	F	D	0	-	7	5	E	P

Plug - Style 2 - Size 2 - Series F - Coding 1 - Brass matt chromate Housing - PEEK Insulator - 16pos. - Pin (solder) 0,75 µm Au - Term. Cross Section AWG22 - Cable Diameter 7.1-7.5 -Blue Cable Bend Relief - Material PUR

### Part Number Key

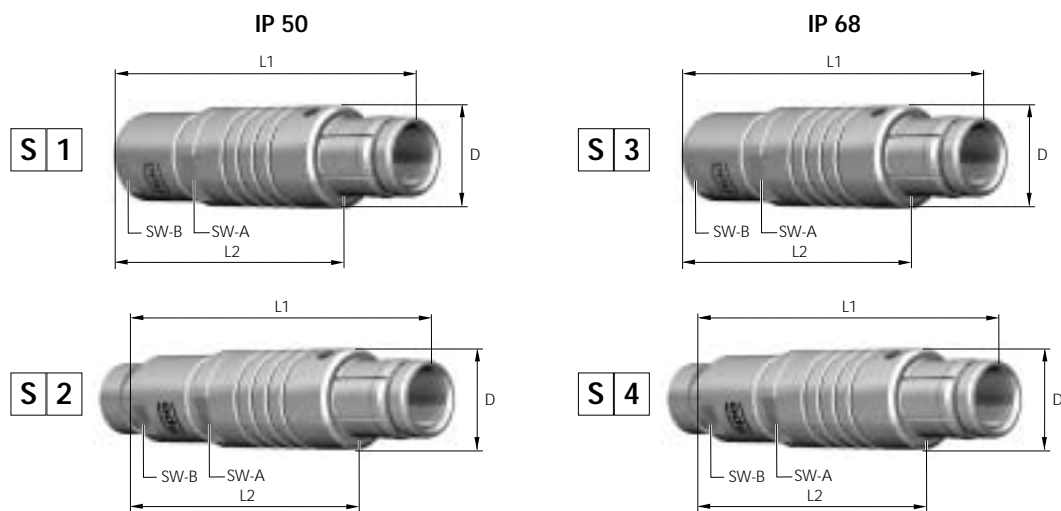


### Straight Plug

(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

Contact configuration from page 131



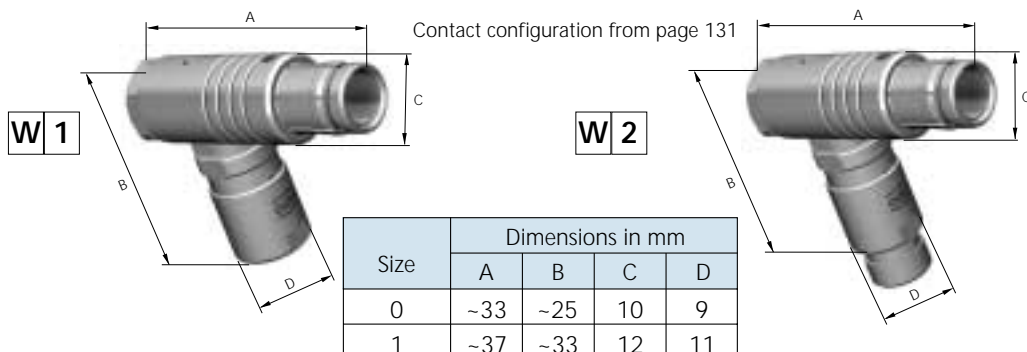
Size	Dimensions in mm				
	L1	L2	D	SW-A	SW-B
0	~ 37	~ 28	9,4	8	7
1	~ 47	~ 35	12	10	10
1,5	~ 48	~ 38	13	11	12
2	~ 50	~ 38	15	13	12
3	~ 60	~ 46	18	16	15

Size	Dimensions in mm				
	L1	L2	D	SW-A	SW-B
0	~ 40	~ 30	9,4	8	7
1	~ 49	~ 38	12	10	10
1,5	~ 50	~ 40	13	11	12
2	~ 53	~ 40	15	13	12
3	~ 62	~ 47	18	16	15

### Right-Angle Plug

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

- W 1** - IP 50 – with Standard Back Nut
- W 2** - IP 50 – with Back Nut for Cable Bend Relief



Size	Dimensions in mm			
	A	B	C	D
0	~33	~25	10	9
1	~37	~33	12	11

### Part Number Key

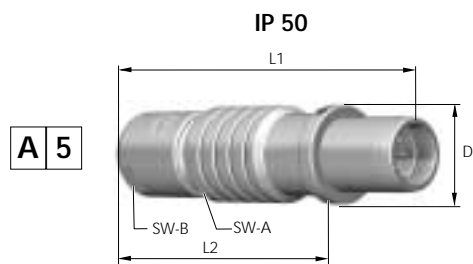
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			F			-								-			0	0



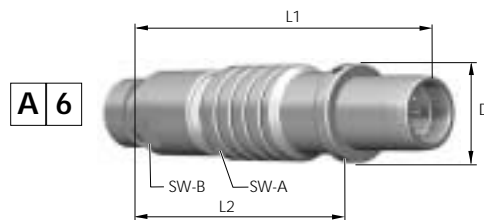
### Break-Apart-Plug

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

- A 5** - IP 68 – watertight, with Standard Back Nut
- A 6** - IP 68 – watertight, with Back Nut for Cable Bend Relief\*



Contact configuration from page 131



Bau- größe	Abmessungen in mm				
	L1	L2	D	SW-A	SW-B
3	~ 61	~ 46	18	16	14

### Part Number Key

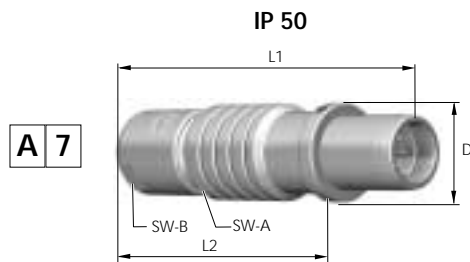
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			F			-								-			0	0



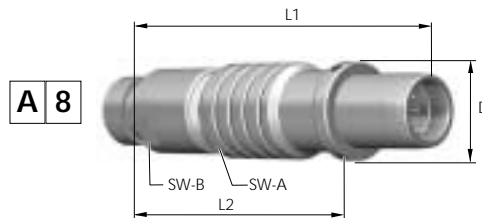
### Break-Apart-Plug

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

- A 7** - IP 68 – with Standard Back Nut
- A 8** - IP 68 – with Back Nut for Cable Bend Relief\*



Contact configuration from page 131



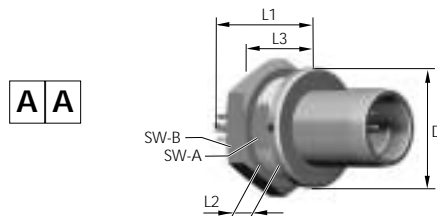
Size	Dimensions in mm				
	L1	L2	D	SW-A	SW-B
1	~ 47	~ 35	12	10	10
2	~ 50	~ 38	15	13	12

### Part Number Key


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

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

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



Contact configuration from page 131

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

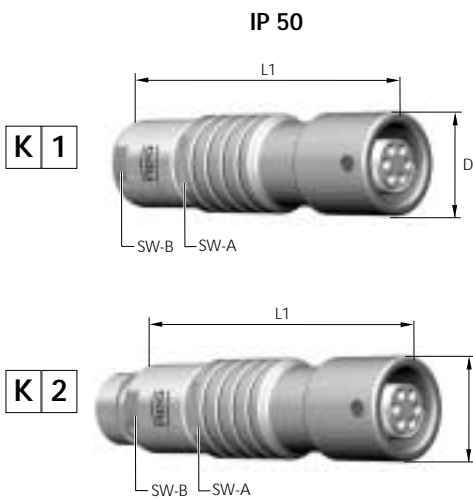
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			F			-								-				



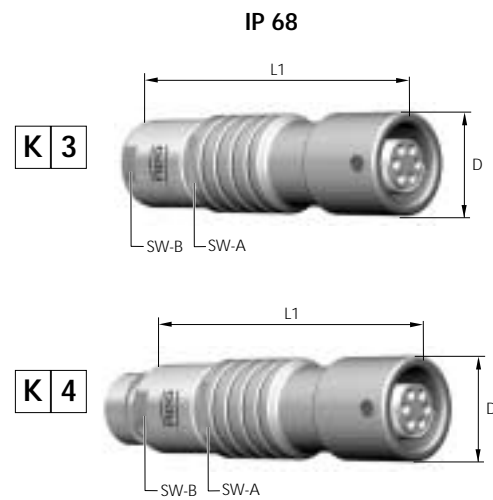
### In-Line Receptacle

- 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

Contact configuration from page 131



Size	Dimensions in mm			
	L1	D	SW-A	SW-B
0	~ 35	9,5	8	7
1	~ 43	12	10	10
2	~ 50	15	13	12
3	~ 56	18	16	15



Size	Dimensions in mm			
	L1	D	SW-A	SW-B
0	-	-	-	-
1	~ 45	13	10	10
2	-	-	-	-
3	-	-	-	-

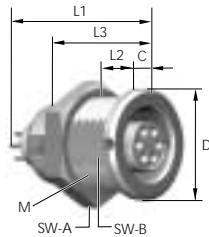
### Part Number Key

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

<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

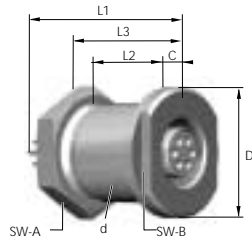


#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 131


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	~24,0	~ 8,0	16,5	12x1	14,0	14,0	10,0	1,5	SW 10,1 / Ø 12,1
2	~27,5	~10,0	18,5	15x1	18,0	17,0	13,5	2,0	SW 13,6 / Ø 15,1
3	~33,0	~13,0	22,5	18x1	22,0	22,0	16,5	2,0	SW 16,6 / Ø 18,1

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



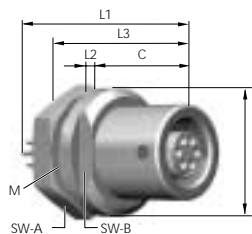
#### Technical Data

- IP 68
- contact configuration from page 131
- 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		
0	~22,5	~8,0	18,5	9x0,5	14,5	11,0	11,0	3,0	10,0	Ø 10,1	
1	~26,0	~9,0	22,5	14x1	18,0	17,0	14,0	3,0	14,0	Ø 14,1	
2	~29,0	~8,0	23,0	16x1	22,0	19,0	17,0	4,0	16,0	Ø 16,1	
3	~32,0	~32,0	26,5	20x1	26,0	25,0	24,0	4,0	20,0	Ø 20,1	

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

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



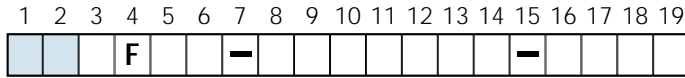
#### Technical Data

- IP 68
- anti-rotation feature
- contact configuration from page 131

Size	Dimensions in mm								Panel Cut-Out
	<sup>1)</sup> L1	L2	<sup>2)</sup> L3	M	D	SW-A	SW-B	C	
0	~22,5	~ 4,5	18,5	9x0,5	14,5	11,0	12,0	12,0	SW 8,3 / Ø 9,1
1	~26,0	~ 4,0	22,5	14x1	18,0	17,0	14,0	15,5	SW 12,1 / Ø 14,1
1,5	~28,0	~ 5,0	21,6	14x1	19,0	17,0	15,0	13,6	SW 12,1 / Ø 14,1
2	~28,0	~ 4,5	23,0	16x1	21,0	19,0	17,0	11,5	SW 14,1 / Ø 16,1

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

### Part Number Key

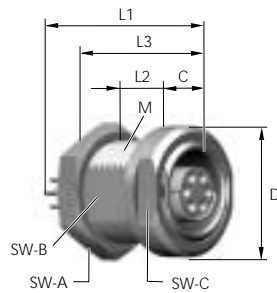


<sup>1)</sup> L1 = Maximum Length incl. Contact Insert  
<sup>2)</sup> L3 = Length of Housing



### Receptacle

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



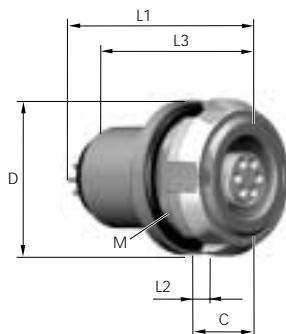
#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 131

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	~19,0	~ 8,0	14,5	9x0,5	11,5	11,0	8,0	10,0	2,5	SW 8,1 / Ø 9,1
1	~24,0	~ 8,0	16,5	12x1	15,0	14,0	10,0	13,0	4,0	SW 10,1 / Ø 12,1
1,5	~24,0	~ 8,0	15,5	14x1	19,0	17,0	12,0	17,0	3,0	SW 12,1 / Ø 14,1
2	~27,5	~10,0	18,5	15x1	20,0	17,0	13,5	17,0	4,0	SW 13,6 / Ø 15,1
3	~33,0	~14,0	22,5	18x1	23,0	22,0	16,5	20,0	5,0	SW 16,6 / Ø 18,1



**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 131
- nutdriver for slotted mounting nut see page 168

Size	Dimensions in mm						Panel Cut-Out	
	<sup>1)</sup> L1	L2	<sup>2)</sup> L3	M	D	C	Ø	SW
0	~22,0	~ 3,5	17,0	9x0,5	14,0	6,5	8,3	Ø 9,1**)
1	~26,0	~ 4,0	21,0	14x1	18,0	8,0	12,1	Ø 14,1*)
1,5	~24,0	~ 3,0	19,5	14x1	19,0	7,0	12,1	Ø 14,1*)
2	~28,0	~ 3,0	23,0	16x1	21,0	8,0	14,4	Ø 16,1**)
3	~30,0	~ 6,0	26,5	20x1	26,0	11,0	18,2	Ø 20,1*)

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

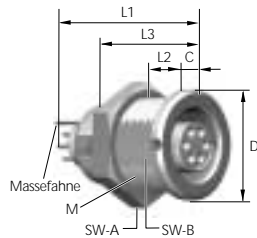
### Part Number Key

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

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

### Receptacle

**G B** **Style B** – ODU-MINI-SNAP RECEPTACLE IP 50 (similar style 1), with grounding tab, installation from front of panel

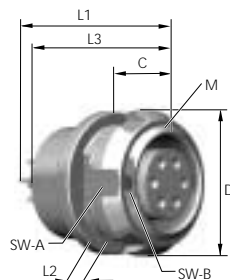


#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 131

Size	Dimensions in mm								Panel Cut-Out
	<sup>1)</sup> L1	L2	<sup>2)</sup> L3	M	D	SW-A	SW-B	C	
0	~20,7	~ 9,0	14,5	9x0,5	10,0	11,0	8,2	1,5	SW 8,3 / Ø 9,1
1	~24,2	~10,0	16,5	12x1	13,9	14,0	10,0	1,5	SW 10,1 / Ø 12,1
3	~30,2	~13,0	22,5	18x1	21,8	22,0	16,5	2,0	SW 13,6 / Ø 15,1

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

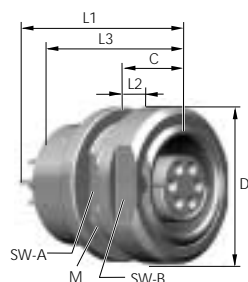


#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 131
- nutdriver for slotted mounting nut see page 168

Size	Dimensions in mm							Panel Cut-Out	
	<sup>1)</sup> L1	L2	<sup>2)</sup> L3	M	D	SW-B	C	Ø*	Ø**)
1,5	~22,5	~ 3,0	17,0	14x1	16,0	12,0	7,0	SW 12,1 / Ø 14,1*)	
2	~23,5	~ 5,0	18,0	15x1	18,85	14,0	9,0	SW 14,1 / Ø 15,1**)	
3	~31,3	~12,0	22,0	18x1	21,8	17,2	17,0	SW 17,3 / Ø 18,1**)	

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



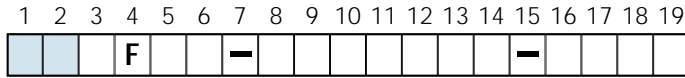
#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 131

Size	Dimensions in mm								Panel Cut-Out
	<sup>1)</sup> L1	L2	<sup>2)</sup> L3	M	D	SW-A	SW-B	C	
1	~26,0	~ 5,0	21,0	14x1	17,9	17,0	12,0	8,0	SW 12,1 / Ø 14,1

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

### Part Number Key

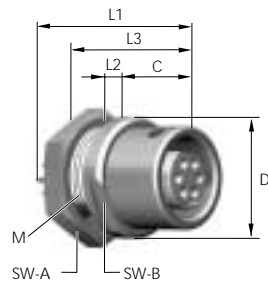


<sup>1)</sup> L1 = Maximum Length incl. Contact Insert  
<sup>2)</sup> L3 = Length of Housing



### Receptacle

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



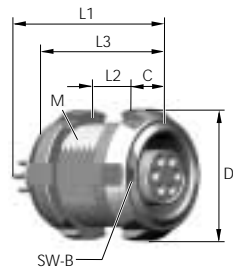
#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 131

Size	Dimensions in mm								 Panel Cut-Out
	<sup>1)</sup> L1	L2	<sup>2)</sup> L3	M	D	SW-A	SW-B	C	
0	~19,3	~ 3,0	16,0	9x0,5	10,9	11,0	-	10,0	SW 8,2 / Ø 9,1
1	~24,0	~ 4,5	17,5	12x1	14,0	14,0	12,0	7,5	SW 10,4 / Ø 12,1
1,5	~26,0	~ 5,0	17,0	14x1	18,0	17,0	15,0	9,0	SW 12,1 / Ø 14,1
2	~26,0	~ 6,0	19,5	16x1	19,0	19,0	17,0	11,0	SW 13,6 / Ø 16,1



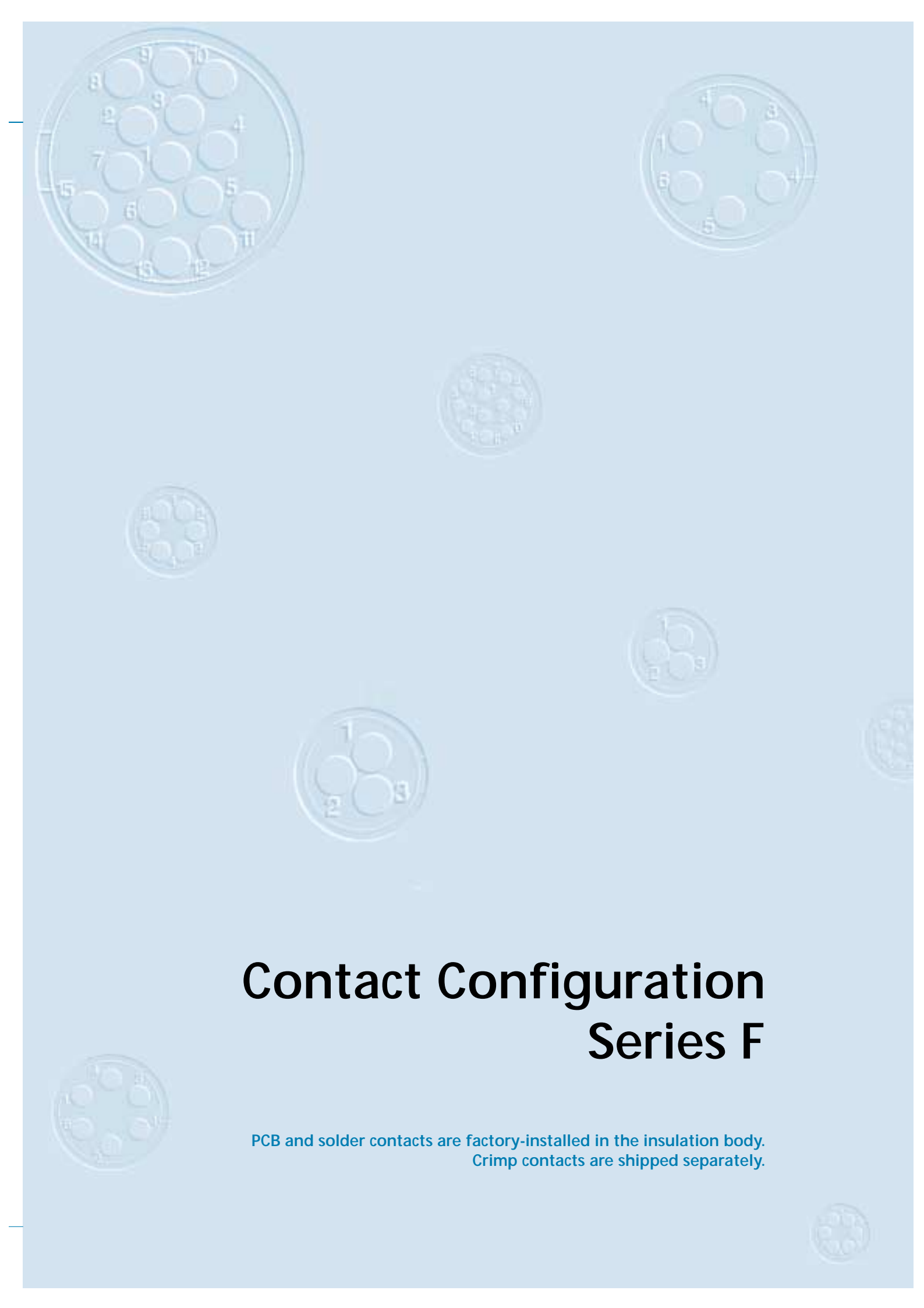
**G Q** Style Q – ODU-MINI-SNAP RECEPTACLE IP 50, CONTINUOUS THREAD, (see Style 5, but 2 special nuts) installation from rear or front of panel. Extension in front of panel is adjustable



#### Technical Data

- IP 50
- anti-rotation feature
- contact configuration from page 131
- nutdriver for slotted mounting nut, see page 168

Size	Dimensions in mm							 Panel Cut-Out
	<sup>1)</sup> L1	L2	<sup>2)</sup> L3	M	D	SW-B	C	
0	~19,0	~ 8,0	14,5	9x0,5	11,5	8,0	3,0	SW 8,1 / Ø 9,1
1	~24,2	~ 7,0	16,5	12x1	15,0	10,0	4,0	SW 10,1 / Ø 12,1
1,5	~24,0	~ 6,0	15,5	14x1	18,0	12,0	4,0	SW 12,1 / Ø 14,1
2	~27,5	~ 9,0	18,5	15x1	19,0	13,5	4,0	SW 13,6 / Ø 15,1
3	~33,0	~11,0	22,5	18x1	23,0	16,5	5,0	SW 16,6 / Ø 18,1



# Contact Configuration Series F

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

## Size 0

### Part Number Key

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

		Size	Series	Positions	Positions	Contact <sup>2)</sup> Ø mm	Nominal Signal Contact Current Load in A *	Test Voltage acc. VDE 0627 <sup>1)</sup>	Sloder	Crimp <sup>7)</sup>	PCB <sup>4)</sup>	Terminations <sup>3)</sup>		View on termination side	
														Pin Part	Socket
Standard Contact Configuration <sup>6)</sup>		0	F	0	2	0,9	10	875 VAC	●	●					
		0	F	0	3	0,9	10	875 VAC	●	●					
		0	F	0	4	0,7	7	750 VAC	●	●	●				
		0	F	0	5	0,7	7	750 VAC	●	●	●				
		0	F	0	7	0,5	5	750 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 140

<sup>3)</sup> Termination and surface see page 139

<sup>4)</sup> PCB-Layout und Printlängen auf separatem

<sup>6)</sup> PCB Layout and pin length on request

<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)



## Size 1,5

### Part Number Key

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

Standard Contact Configuration <sup>A</sup>	Size	Series	Positions	Positions	Contact <sup>2)</sup> Ø mm	Nominal Signal Contact Current Load in A *	Test Voltage acc. VDE 0627 <sup>1)</sup>	Terminations <sup>3)</sup>			View on termination side	
								Solder	Crimp <sup>7)</sup>	PCB <sup>4)</sup>	Pin Part	Socket
A F	1,5	F	10	10	0,7	7	875 VAC	●		●		
A F	1,5	F	12	12	0,7	7	875 VAC	●	●	●		
A F	1,5	F	19	19	0,5	5	750 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 140

<sup>3)</sup> Termination and surface see page 139

<sup>4)</sup> PCB Layout and pin length on request

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

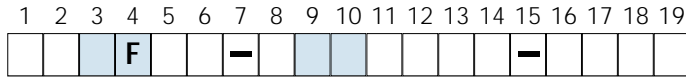
\* Derating Factor see page 186

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



## Size 3

### Part Number Key



Standard Contact Configuration <sup>2)</sup>	Size		Series		Positions		Positions		Contact <sup>2)</sup> Ø mm	Nominal Signal Contact Current Load in A *	Test Voltage acc. VDE 0627 <sup>1)</sup>	Terminations <sup>3)</sup>			View on termination side	
	3	F	1	5	2	4	Solder <sup>7)</sup>	Crimp <sup>7)</sup>				PCB <sup>4)</sup>	Pin Part	Socket		
	3	F	2	7	0,9	10	875 VAC	●				●	●			
	3	F	2	4	0,7	7	750 VAC	●	●	●						
	3	F	2	7	0,7	7	750 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 140

<sup>3)</sup> Termination and surface see page 139

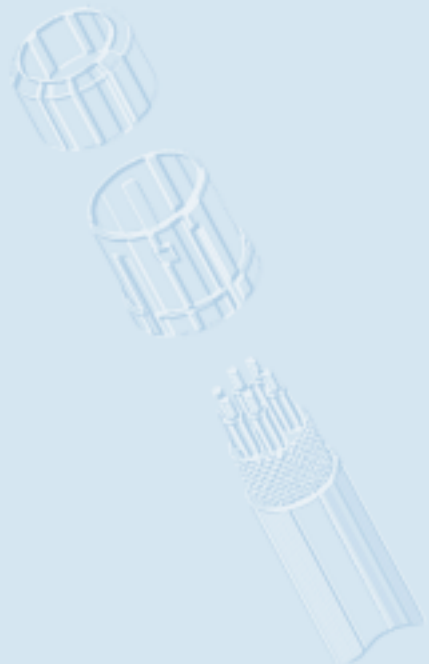
<sup>4)</sup> PCB Layout and pin length on request

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

\* Derating Factor see page 186

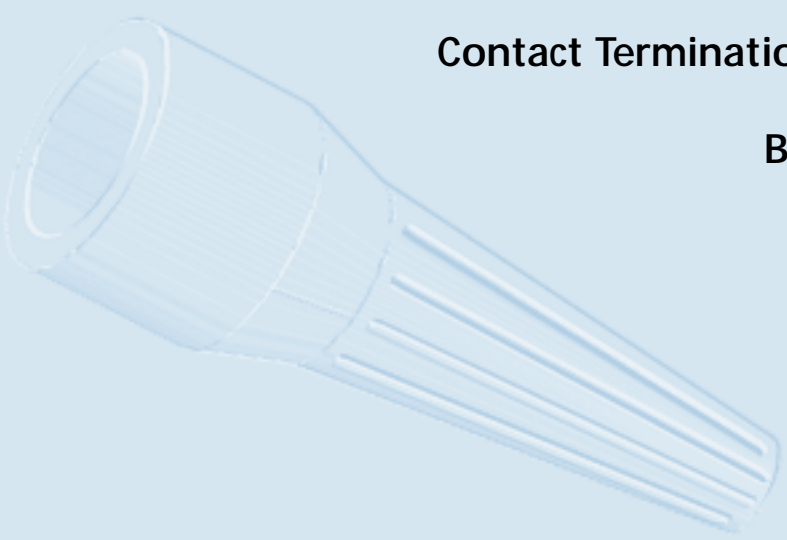


- 1. Wire Size (AWG) - Contact Size
- 2. Keying
- 3. Housing Material
- 4. Insulation Body Material
- 5. Contact Termination Cross Section (AWG)
- 6. Collet System
- 7. Bend Protection Sleeves
- 8. Housing Material / Surfaces
- 9. Contact Termination Cross Section (AWG)
- 10. Keying
- 11. Housing Material / Surfaces
- 12. Contact Termination Cross Section (AWG)
- 13. Keying
- 14. Contact Termination Cross Section (AWG)
- 15. Keying
- 16. Contact Termination Cross Section (AWG)



# Details for the Part Number Key:

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



### Coding

#### Part Number Key

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



#### Series F

	Angle	Receptacle Front View	Baugröße				
			0	1	1,5	2	3
1			●	●	●	●	●
2			●	○	○	○	●
3						○	●

● standard types  
○ on request  
Color coding on request.

### 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
			F			-								-				



#### Standard

**C** Cu-alloy / matt chromate

#### Special materials and surfaces on request.

**N** 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
			F			-								-				

T

P

PBT

---

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

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

Type	Surface
Socket	L - 0,75 µm Au (min.)
Pin	L - 0,75 µm Au (min.)
Socket	C - 0,75 µm Au (min.)
Pin	C - 0,75 µm Au (min.)
Socket	P - 0,75 µm Au (min.)
Pin	P - 0,75 µm Au (min.)

L

M

N

P

Q

R

Contact Ø in mm
0,50
0,70
0,90
mixed
1,30
1,50
1,60
2,00
3,00
4,00

Has to match with selected contact inserts

C

F

J

M

P

Q

S

T

V

W

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

### Contact Termination Cross Sections

#### Part Number Key

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

#### Crimp Contact

Contact Ø	Size	AWG	mm <sup>2</sup>	
0,7	0	24/26	0,25/0,15	D 0
0,7	0	22	0,38	G 0
0,9	0	24/26	0,25/0,15	D 0
0,9	0	22	0,38	G 0
0,7	1	24/26	0,25/0,15	D 0
0,7	1	22	0,38	G 0
0,9	1	24/26	0,25/0,15	D 0
0,9	1	20/22	0,50/0,38	H 0
1,3	1	18	1,0	L 0
0,7	2	24/26	0,25/0,15	D 0
0,7	2	22	0,38	G 0
0,9	2	24/26	0,25/0,15	D 0
0,9	2	22	0,38	G 0
0,9	2	20/22	0,50/0,38	H 0
1,3	2	18	1,0	L 0
0,7	3	24/26	0,25/0,15	D 0
0,7	3	22	0,38	G 0
0,7	3	28/30	0,08/0,05	C 0
0,9	3	24/26	0,25/0,15	D 0
0,9	3	20/22	0,50/0,38	H 0
1,3	3	18	1,0	L 0
1,6	3	16	-	N 0



Tools for crimping and their adjustments  
see Page 166.

### Contact Termination Cross Sections

#### Part Number Key

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

#### Solder Contact

Contact Ø	Term. Ø	Term. Cross	
		AWG	mm <sup>2</sup>
0,5	0,4	28	0,08
0,7	0,6	26	0,15
0,7	0,85	22	0,38
0,9	0,85	22	0,38
1,3	1,1	20	0,50
1,6	1,4	18	1,00
2,0	1,85	14	1,5
2,0	2,4	-	2,5



C	0
D	0
G	0
G	0
H	0
N	0
Q	0
S	0

#### PCB Contact

Contact Ø	Term. Ø
0,5	0,5
0,7	0,5
0,9	0,7
1,3	0,7
1,6	0,7
2,0	0,7

0	0
0	0
0	0
0	0
0	0
0	0

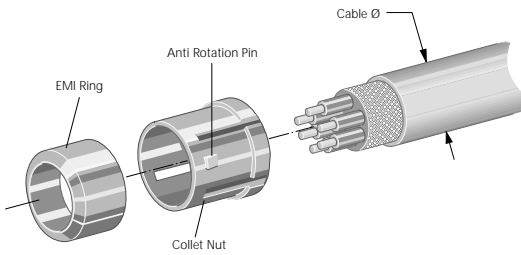
For mixed inserts

0	0
---	---

(Please provide details of termination cross section!)

## Collet System

### Part Number Key



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

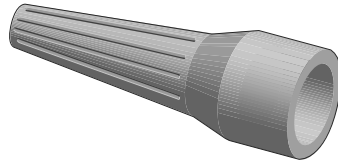
Insert: for all Plugs and In-Line Receptacles.

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

Cable diameter in mm	Size				
	0	1	1,5	2	3
> 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				●	●
> 9,0 - 9,5					●
> 9,5 - 10,0					●
> 10,0 - 10,5					●
> 10,5 - 11,5					●
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
			F			-								-				

**Color of the Cable Bend Relief**

Color / RAL-Number <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

### Right-Angled Print Contacts in the Receptacle

#### Part Number Key

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

Right-Angled Print Contact



PCB-Layout on request