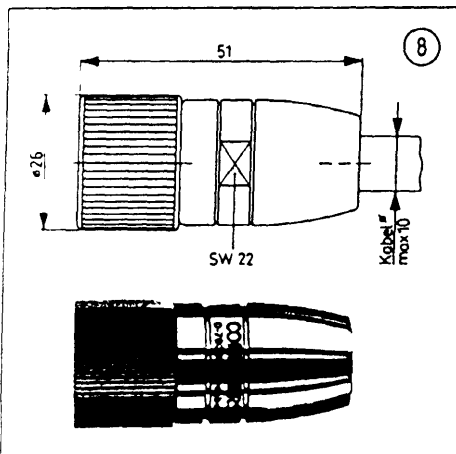
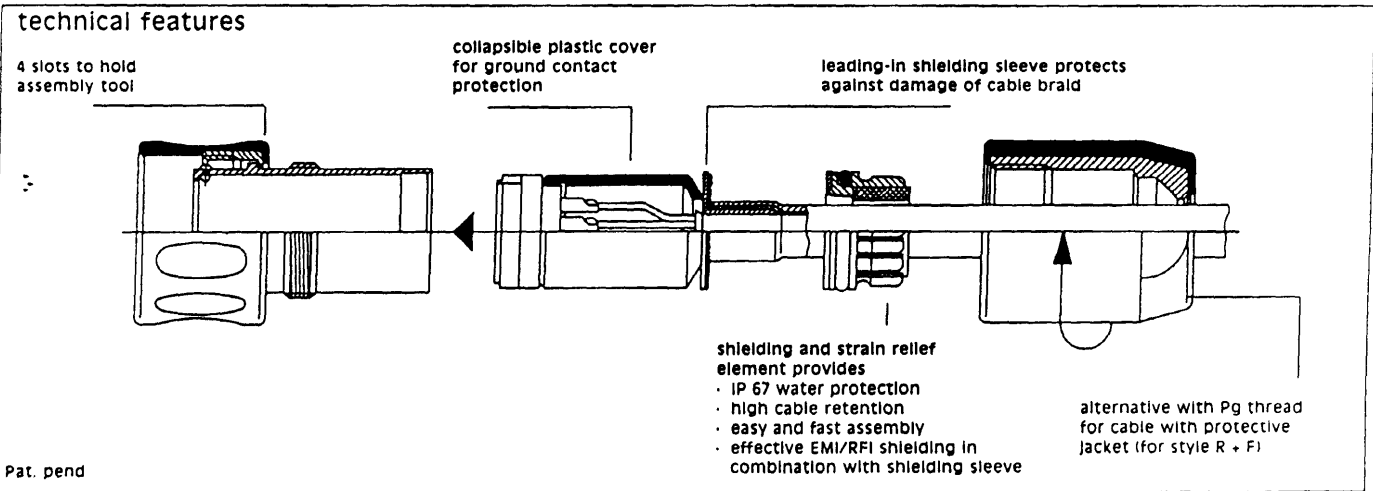
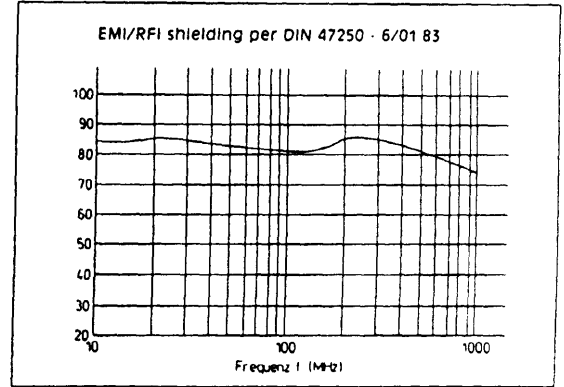


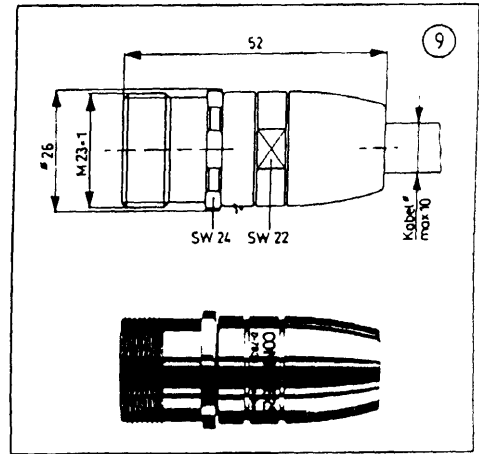
# Cable Plugs and cable-connecting receptacles shieldable versions

- effective EMI/RFI shielding
- braided cable shield-contacts horizontally and vertically to shell
- easy assembly
- inside cable strain relief
- large selection of shielding sleeves to accommodate most cable types



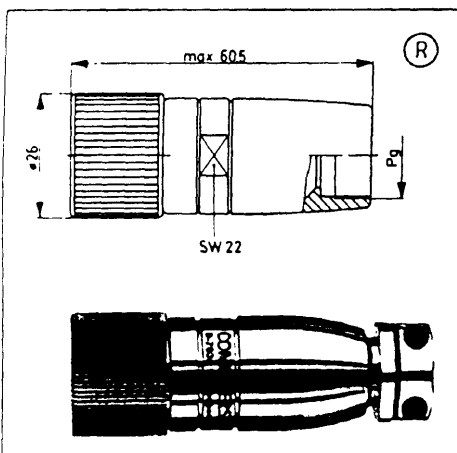
**style 8**  
cable plug  
straight cable entry  
(no Pg thread)

Partno.: X8 X9: 80

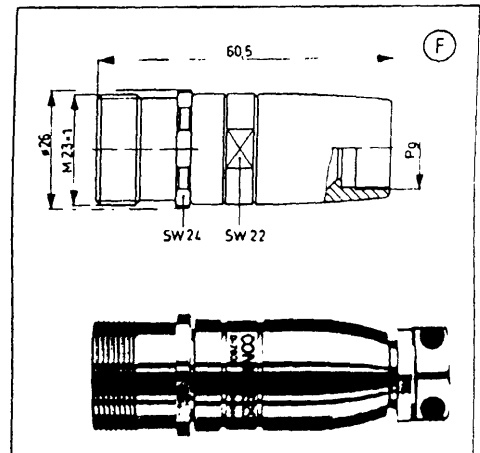


**style 9**  
cable-connecting receptacle  
straight cable entry  
(no Pg thread)

Partno.: X8 X9: 90

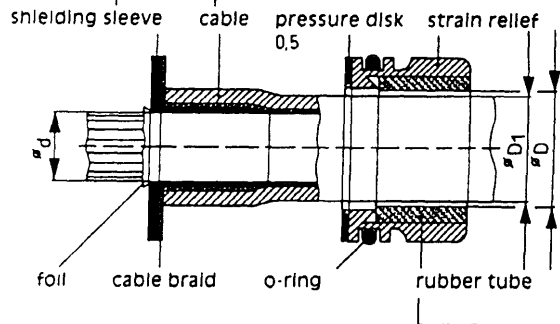


**style R**  
cable plug  
straight cable entry with Pg 9  
or Pg 11 add. strain relief  
for cable with protective jacket  
Partno.: X8: R  
X9: see cable glands



**style F**  
cable-connecting receptacle  
straight cable entry with Pg 9  
or Pg 11 add. strain relief  
for cable with protective jacket  
Partno.: X8: F  
X9: see cable glands

# Standard shielding sleeves

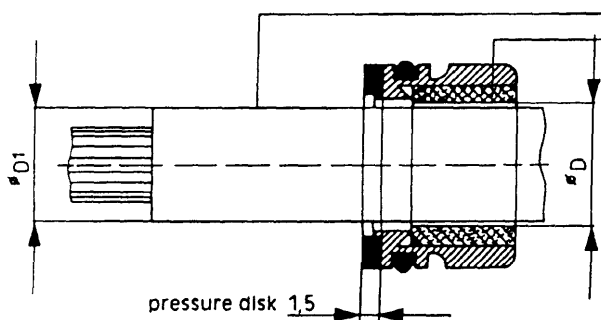


Due to the large selection of different shielding sleeve diameters most cable types can be accommodated. CONINVERS may assist in determining the most suitable shielding sleeve and rubber tube upon sending a cable sample.

add. versions e.g. for double shielded cable available

d	D <sub>1</sub>	D	X <sub>10</sub> X <sub>11</sub>	d	D <sub>1</sub>	D	X <sub>10</sub> X <sub>11</sub>
2,5	3,0	4,0	53	4,6	7,5	8,5	03
2,5	4,0	5,0	57	5,2	6,5	7,5	63
3,2	4,0	5,0	58	5,2	7,5	8,5	64
3,2	5,0	6,0	50	5,2	9,0	10,0	05
3,6	5,0	6,0	59	5,5	7,0	7,5	84
3,6	6,5	7,5	60	5,5	7,5	8,5	49
3,8	5,0	6,0	61	5,5	9,5	10,0	04
3,8	8,5	10	99	6,2	9,5	10,0	00
3,8	6,5	7,5	62	6,6	9,5	10,0	06
4,1	5,0	6,0	54	7,0	9,5	10,0	52
4,1	6,5	7,5	56	7,4	9,5	10,0	51
4,1	7,5	8,5	95	7,4	10,0	11,0	96
4,6	6,5	7,5	55	7,7	8,5	10,0	98
				7,7	10,0	11,0	97

## Lead through version



to be able to use the advantages of the shieldable type connectors – without shielding – the strain relief element requires a different pressure disk.

cable o.d. max = D<sub>1</sub>  
rubber tube i.d. = D

Ø D	D <sub>1</sub>	X <sub>10</sub> X <sub>11</sub>
4,0	2,5 - 3,5	M1
5,0	3,5 - 4,5	P1
6,0	4,5 - 5,5	Q1
7,5	5,5 - 7,0	R1
8,5	7,0 - 8,0	S1
10,0	8,0 - 9,5	T1
11,0	9,5 - 10,5	U1

# Technical data

## Mechanical data

Shell : copper-zinc alloy (CuZn), zinc diecasting  
 plating : nickel (standard), black chromated  
 inserts : thermoplastic polyester (UL 94V-0)  
 contacts : copper-zinc alloy (CuZn)  
           plating: hardgold  
 gaskets : neoprene (CR) standard, Viton

operating temperature : -40 °C / +125 °C

## environmental

protection : IP 67 per DIN 40050 (mated)

cable inlet : Pg 7-Pg 13,5 for cable o.d. 4-14 mm (page 19)  
               shielded versions strain relief element for cable o.d. 4-10 mm (page 14)

approvals : UL recognized File # E 153 698

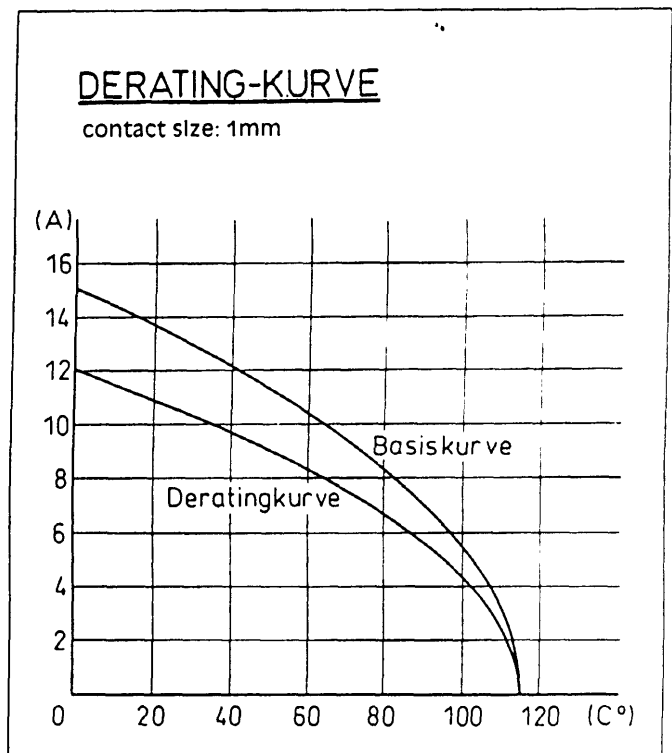
UNDERWRITERS LABORATORIES INC.



## Electrical data

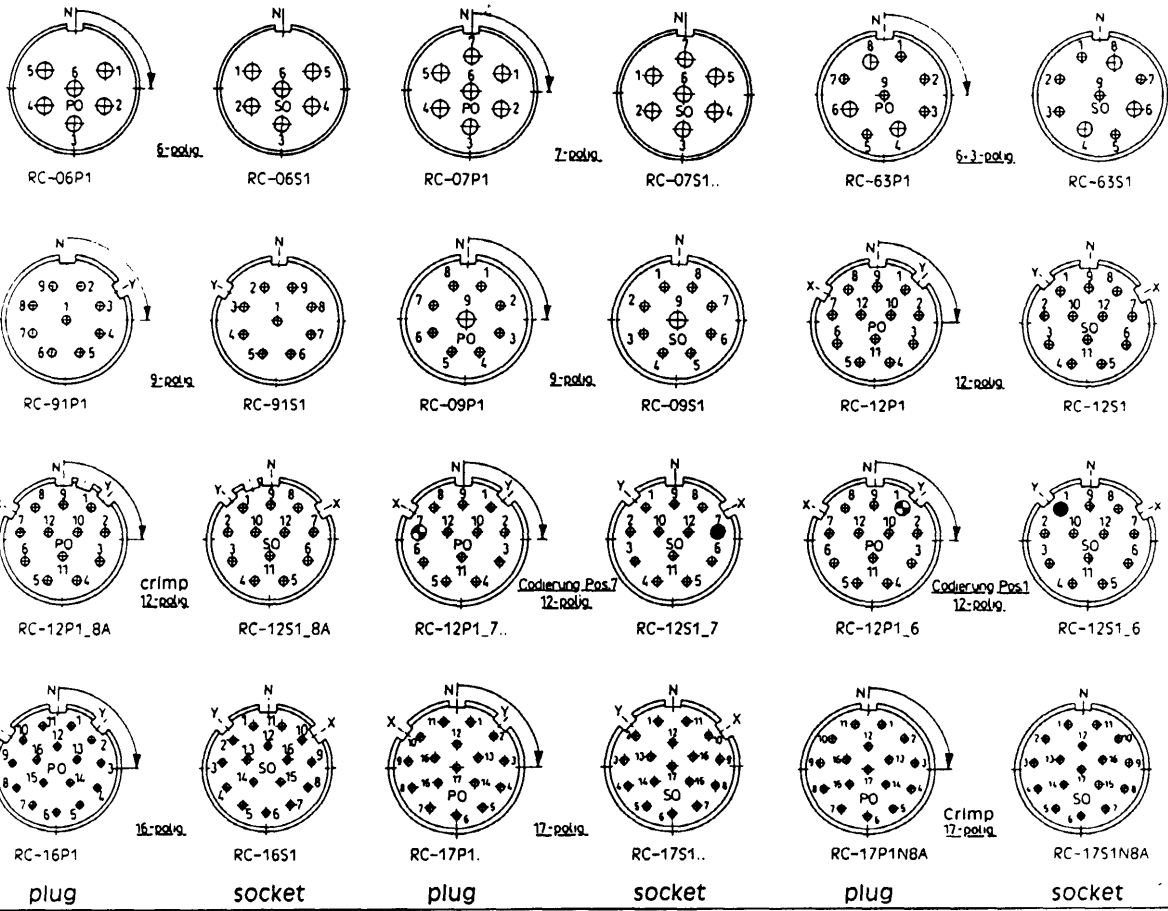
Number of positions	6, 7	9	12	16	17
Current rating contact size 1 mm		7,5 A	7,5 A	7,5 A	7,5 A
contact size 2 mm	16 A	16 A			
voltage rating (per VDE 0110b, 2/79)	380 - V 450 - V	250 - V 300 - V	250 - V 300 - V	125 - V 150 - V	125 - V 150 - V
insulation group	A	A	A	A	A
	125 - V 150 - V B	60 - V 75 - V B	60 - V 75 - V B	60 - V 75 - V B	60 - V 75 - V B
	60 - V 75 - V C				
test voltage	1,5 KV -	1,5 KV -	1,5 KV -	1,0 KV -	1,0 KV -
contact resistance	< 5 m Ohm	< 5 m Ohm	< 5 m Ohm	< 5 m Ohm	< 5 m Ohm
insulation resistance	> 10 <sup>8</sup> Ohm	> 10 <sup>8</sup> Ohm	> 10 <sup>8</sup> Ohm	> 10 <sup>8</sup> Ohm	> 10 <sup>8</sup> Ohm

Tropic or see water resistant versions upon request

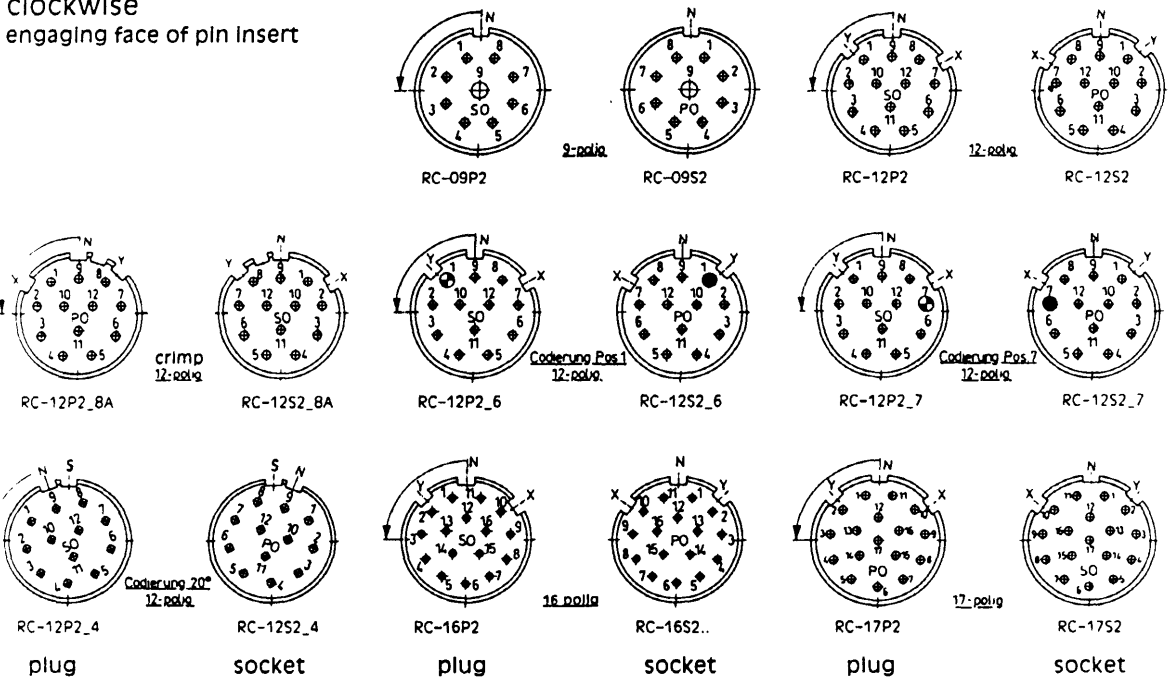


# Contact arrangements

numbering clockwise  
engaging face of pin Insert



numbering counter  
clockwise  
engaging face of pin Insert



⊕ coding pin: 2 mm dia.      ● coding bore (socket) 2,2 mm dia.

IMPORTANT: Part number definition of numbering of socket Insert (clockwise/counterclockwise) is made only by defining plug insert. Use part numbers only as shown. Versions clockwise and counterclockwise are plug compatible - do NOT use mixed.

720 6689  
 720 6690  
 720 6707  
 720 6719

Part No.: RC- X1 X2 X3 X4 X5 X6 X7 X8 X9 X10

**Number of positions**

- 05 = 5 pos.
- 07 = 7 pos.
- 09 = 9 pos. (8 + 1)
- 63 = 9 pos. (6 + 3)
- 91 = 9 pos. (9 x 1)
- 12 = 12 pos.
- 2R = 12 pos. (+ spring blade)
- 16 = 16 pos.
- 17 = 17 pos.

**Contact version**

- P = pin
- S = socket
- A = pin/socket (type S + V)
- B = pin/pin (type S + V)
- C = socket/socket (type S + V)
- E = socket/pin (type S)

**Insert numbering**

- 1 = clockwise
- 2 = counterclockwise
- 3 = clockwise/coupling nut lockable
- 4 = counterclockw./coupling nut locka

**Insert position**

- N = normal
- X = coding 60°
- Y = coding 45°
- S = coding 20°
- L = Insert unassembled

**Contact termination**

- 1 = solder cup
- 6 = solder cup + cod. In pos. 1
- 7 = solder cup + cod. In pos. 7
- F = dip solder
  - ∅ 1,0 x 3,0 lg. contact ∅ 1
  - ∅ 1,5 x 3,0 lg. contact ∅ 2
- G = dip solder ∅ 1,5 x 3,0 lg. contact ∅ 2
- 2 = dip solder
  - ∅ 0,6 x 3,5 lg. contact ∅ 1
  - ∅ 1,5 x 3,5 lg. contact ∅ 2
- 9 = dip solder
  - ∅ 1,0 x 3,5 lg. contact ∅ 1
  - ∅ 1,5 x 3,5 lg. contact ∅ 2
- 3 = dip solder
  - ∅ 1,0 x 4,5 lg. contact ∅ 1
  - ∅ 1,5 x 4,5 lg. contact ∅ 2
- E = dip solder ∅ 1,5 x 4,5 lg. contact ∅ 1
- D = dip solder ∅ 1,2 x 11,0 lg. contact ∅ 1
- B = dip solder ∅ 1,5 x 11,0 lg. contact ∅ 1
- C = dip solder
  - ∅ 1,2 x 11,0 lg. contact ∅ 1
  - ∅ 1,5 x 11,0 lg. contact ∅ 2
- 5 = dip solder
  - ∅ 1,2 x 17,5 lg.\*\* contact ∅ 1
  - ∅ 1,5 x 17,5 lg. contact ∅ 2
- 8 = crimp insert (contacts page 17)
- 4 = Hybridcontact solder/crimp 0,14 - 0,40 mm<sup>2</sup>
- K = Hybridcontact solder/crimp 0,14 - 0,65 mm<sup>2</sup>
- L = Hybridcontact solder/crimp 0,50 - 1,00 mm<sup>2</sup>

**Contact plating**

- 0 = 0,8µ Au (microns)
- 1 = 0,5µ Au (microns)
- 2 = 0,2µ Au (standard)
- A = crimp insert (contacts page 17)

**Connector shell style**

1 through Z (see page 6)

**For shell styles with**

Pg thread		for receptacles: type of seals/ mounting def
0 = Pg 7	thread only	
1 = Pg 9	thread only	
2 = Pg 11	thread only	
3 = Pg 13,5	thread only	(ordering inf see pages 8-11)
4 = Pg 7	Incl. standard cable gland	
5 = Pg 9	Incl. standard cable gland	
6 = Pg 11	Incl. standard cable gland	
7 = Pg 13,5	Incl. standard cable gland	
A = Pg 7	Incl. screw lever version	
B = Pg 9	Incl. screw lever version	
C = Pg 11	Incl. screw lever version	
D = Pg 13,5	Incl. screw lever version	
H = Pg 7	Incl. IP 68 version	
I = Pg 9	Incl. IP 68 version	
K = Pg 11	Incl. IP 68 version	
L = Pg 13,5	Incl. IP 68 version	

Shielding sleeve size (see page 14) and/or modifications