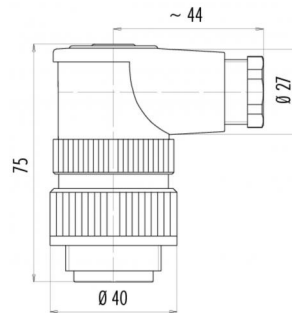


Product description **RD30 male angled connector, Contacts: 12+PE, 10.0 - 12.0 mm, Shielding is not possible, solder, IP65**  
 Area **RD30 series 694**  
 Order number **99 0717 70 13**

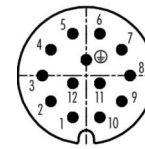
### Illustration



### Scale drawing

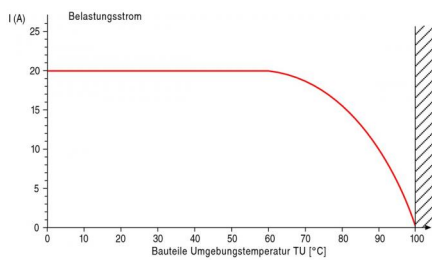


### Contact arrangement



	X	Y
1	-2,38	-7,33
2	-6,23	-4,53
3	-7,70	0,00
4	-6,23	4,53
5	-2,38	7,33
6	2,38	7,33
7	6,23	4,53
8	7,70	0,00
9	6,23	-4,53
10	2,38	-7,33
11	2,38	-1,37
12	-2,38	-1,37
⊕	0,00	2,74

### Derating curve



**You can find the assembly instructions on the next page.**

## Technical data

### General values

Connector design male angled connector  
 Connector locking system screw  
 Termination solder  
 Wire gauge (mm) 1.00 mm<sup>2</sup>  
 Wire gauge (AWG) 17  
 Cable outlet 10.0 - 12.0 mm  
 Upper limit temperature 100 °C  
 Lower limit temperature - 40 °C  
 Customs tariff number 85369010

### Electrical values

Rated current (40 °C) 6 A  
 Rated voltage 250 V  
 Rated impulse voltage 4000 V  
 Pollution degree 3  
 Overvoltage category III  
 Insulating material group III  
 Volume resistivity ≤ 5 mΩ  
 Insulation resistance ≥ 10<sup>10</sup> Ω  
 EMC compliance Shielding is not possible  
 Degree of protection IP65  
 Mechanical operation > 500 Mating cycles

### Material

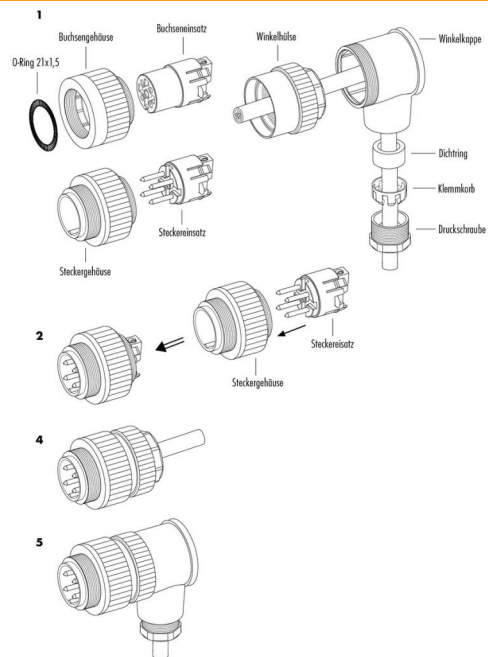
Contact material CuZn (brass)  
 Contact plating Ag (silver)  
 Contact body material PA (UL 94 HB)  
 Housing material PA

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### Assembly instructions / Panel cut-out

1. Winkelkoppe, Winkelhülse, Dichtung, Klemmkorb und Druckschraube auffädeln.
2. Kontakteinsatz in Gehäuse einclippen.
3. Leiter abmontieren, abisolieren und anschließen.
4. Winkelhülse mit vormontiertem Gehäuse bis zum mechanischen Anschlag fest verschrauben.
5. Teile gemäß Darstellung montieren.



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## Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

To prevent the connector being opened unintentionally when used in electrical circuits containing hazardous life parts, the thread between the housing and the connector head must be secured using a suitable cyanoacrylate adhesive. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

Connectors used in electrical circuits containing hazardous life parts must only be assembled and used by or under the supervision of persons with the requisite electrotechnical training, taking the applicable regulations and standards into account.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).