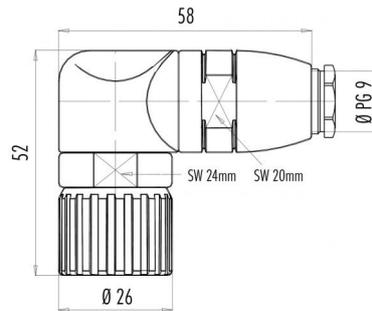


Product description **M23 female angled connector, Contacts: 12, 6.0 - 10.0 mm, shielding is not possible, solder, IP67**  
 Area **M23 series 623**  
 Order number **99 4606 70 12**

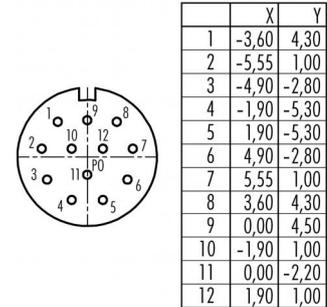
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

## Technical data

### General values

Connector design female angled connector  
 Connector locking system screw  
 Termination solder  
 Arrangement of contacts clockwise  
 Wire gauge (mm) max. 1.00 mm<sup>2</sup>  
 Wire gauge (AWG) max. 17  
 Cable outlet 6.0 - 10.0 mm  
 Upper limit temperature 125 °C  
 Lower limit temperature - 20 °C  
 Customs tariff number 85369010  
 Packaging Unit 8

### Electrical values

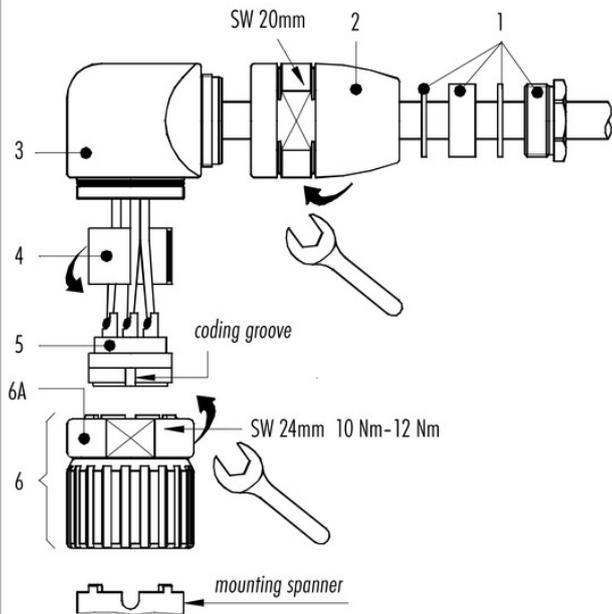
Rated current (40 °C) 8 A  
 Rated voltage 150 V  
 Rated impulse voltage 1500 V  
 Pollution degree 3  
 Overvoltage category II  
 Insulating material group III  
 Insulation resistance  $\geq 10^{10} \Omega$   
 EMC compliance shielding is not possible  
 Degree of protection IP67  
 Mechanical operation > 50 Mating cycles

### Material

Contact material CuSn (bronze)  
 Contact plating Au (gold)  
 Contact body material PBT/PA66  
 REACH SVHC CAS 7439-92-1 (Lead)

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### Assembly instructions / Panel cut-out



- Push the cable screw connection (1), adapter (2) and angled housing (3) onto the cable.
- Strip the cable coating by 30 mm.
- Trim foil, filler and inner insulation.
- Strip the single wires by 3.5 mm, twist and tin.
- Solder the single wires to the contacts.
- Insert the distance shell (4).
- Guide the insert (5) and distance shell (4) into the unit (6), mind that the desired coding groove of the insert (5) is pushed into the coding bar.
- Insert the entire unit into the angle housing (Attention: eight coding options) and secure with nut (6A) (torque: 10 Nm up to 12 Nm).
- Screw the adapter (2) as tight as possible.
- Screw the cable gland (1) as tight as possible.

Please note: torque for clamping screw for contact insert (5) with screw contacts:

- max. 0.1 Nm for screw contacts with mating dia. 1 mm
- max. 0.2 Nm for screw contacts with mating dia. 2 mm

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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.

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).