

# Product data sheet

## Subminiature connectors

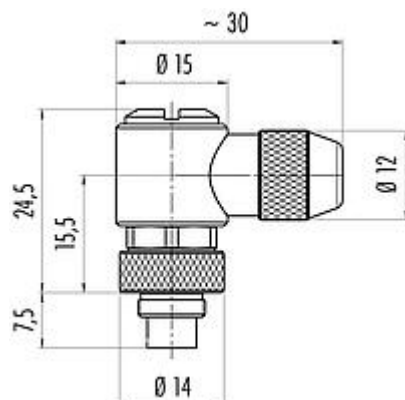


|                     |  |
|---------------------|--|
| Product description | M9 IP67 Male angled connector, Contacts: 8, 3.5-5.0 mm, shieldable, solder, IP67 |
| Area                | M9 IP67 series 712   |
| Part no.            | 99 0425 75 08  |

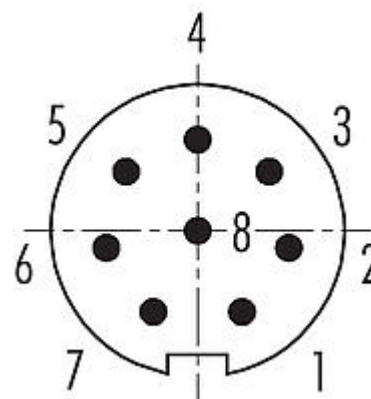
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

### Technical data

#### General features

|                                  |                                    |
|----------------------------------|------------------------------------|
| Part no.                         | <b>99 0425 75 08</b>               |
| Connector design                 | Male angled connector              |
| Version                          | Connector pin angled               |
| Connector locking system         | screw                              |
| Termination                      | solder                             |
| Degree of protection             | IP67                               |
| Cross-sectional area             | max. 0.14 mm <sup>2</sup> / AWG 26 |
| Cable outlet                     | 3.5-5.0 mm                         |
| Twistability                     | 180° (2 coding options)            |
| Temperature range from/to        | -40 °C / 85 °C                     |
| Tightening torque pressing screw | 0.3-0.4 Nm                         |
| Mechanical operation             | > 500 Mating cycles                |
| Weight (g)                       | 24.88                              |
| Customs tariff number            | 85369010                           |

#### Electrical parameters

|                       |                      |
|-----------------------|----------------------|
| Rated voltage         | 125 V                |
| Rated impulse voltage | 1500 V               |
| Rated current (40 °C) | 1.0 A                |
| Insulation resistance | ≥ 10 <sup>10</sup> Ω |
| Pollution degree      | 1                    |
| Overvoltage category  | II                   |

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Part no. **99 0425 75 08**

Insulating material group **III**  
EMC compliance **shieldable**  
Shield connection **Shielding ring**

### Material

Contact body material **PBT (UL94 V-0)**  
Contact material **CuZn (brass)**  
Contact plating **Au (gold)**  
Locking material **CuZn (brass)**  
REACH SVHC **CAS 96-45-7 (Imidazolidine-2-thione)  
CAS 7439-92-1 (Lead)**  
SCIP number **1072f35e-dfda-4ed5-b2ba-528d4fd6a78a**

### Classifications

eCl@ss 11.1 **27-44-01-02**  
ETIM 7.0 **EC002635**

### Declarations of conformity

Low Voltage Directive **2014/35/EU (EN 60204-1:2018;EN 60529:1991)**

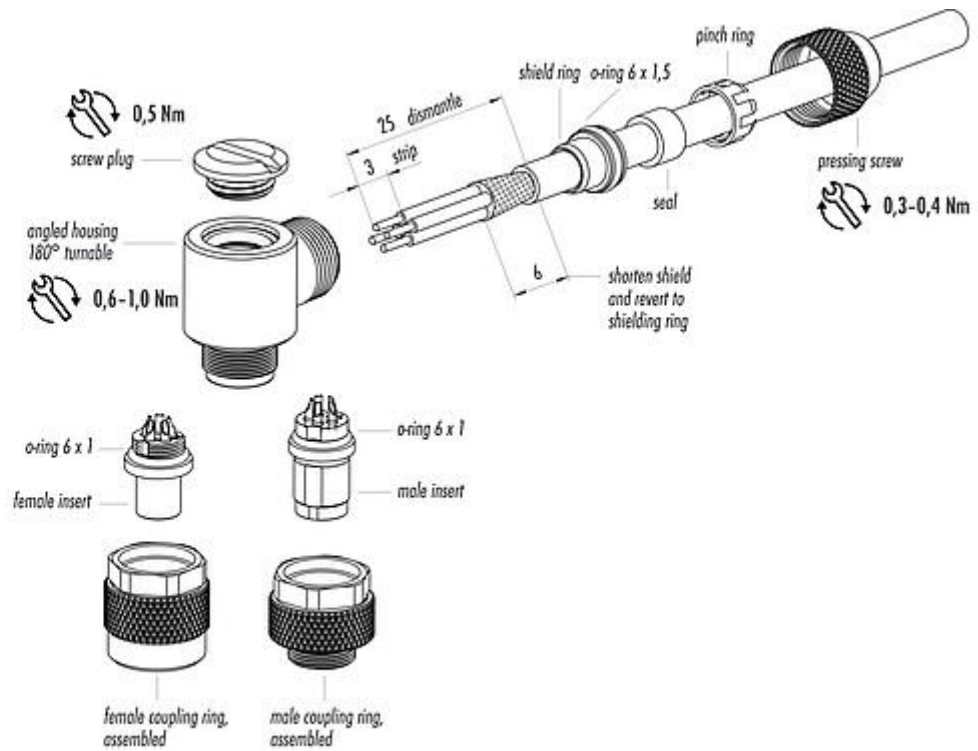
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### Assembly instructions

1. Bead parts to cable.
2. Dismantle cable to 25 mm length.
3. Strip single wires ( $L = 3$  mm), widen shield and revert to shielding ring.
4. Bead single wires through housing. Mount shielding ring, seal and pinch ring. Turn on pressing screw to fix the cable.
5. Solder single wires.
6. Screw housing to contact insert and tighten pressing screw.
7. Tighten screw plug.



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## Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).