

# Product data sheet

## Subminiature connectors

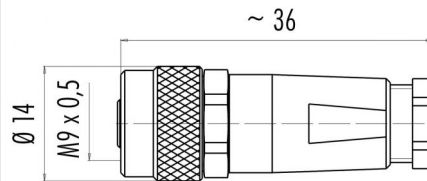


Product description	M9 IP67 female cable connector, Contacts: 7, 3.5 - 5.0 mm, shieldable, solder, IP67
Area	M9 IP67 series 712
Order number	99 0422 10 07

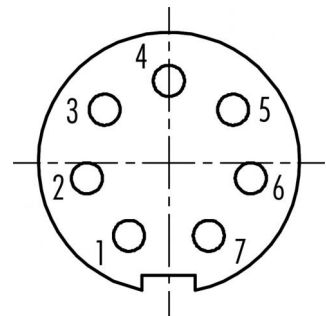
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



You can find the component part drawing and assembly instructions on the next page.

## Technical data

### General values

Connector design	female cable connector
Connector locking system	screw
Termination	solder
Wire gauge (mm)	max. 0.14 mm <sup>2</sup>
Wire gauge (AWG)	max. AWG 26
Cable outlet	3.5 - 5.0 mm
Upper limit temperature	85 °C
Lower limit temperature	-40 °C
Customs tariff number	85369010

### Electrical values

Rated current (40 °C)	1 A
Rated voltage	125 V
Rated impulse voltage	1500 V
Pollution degree	1
Overvoltage category	II
Insulating material group	III
Insulation resistance	≥ 10 <sup>10</sup> Ω
EMC compliance	shieldable
Degree of protection	IP67
Mechanical operation	> 500 Mating cycles

### Material

Contact material	CuSn (bronze)
Contact plating	Au (gold)
Contact body material	PA (UL94 V-0)
Housing material	PA/CuZn (Nickel-plated brass)
Locking material	CuZn (Brass nickel plated)
REACH SVHC	CAS 7439-92-1 (Lead)

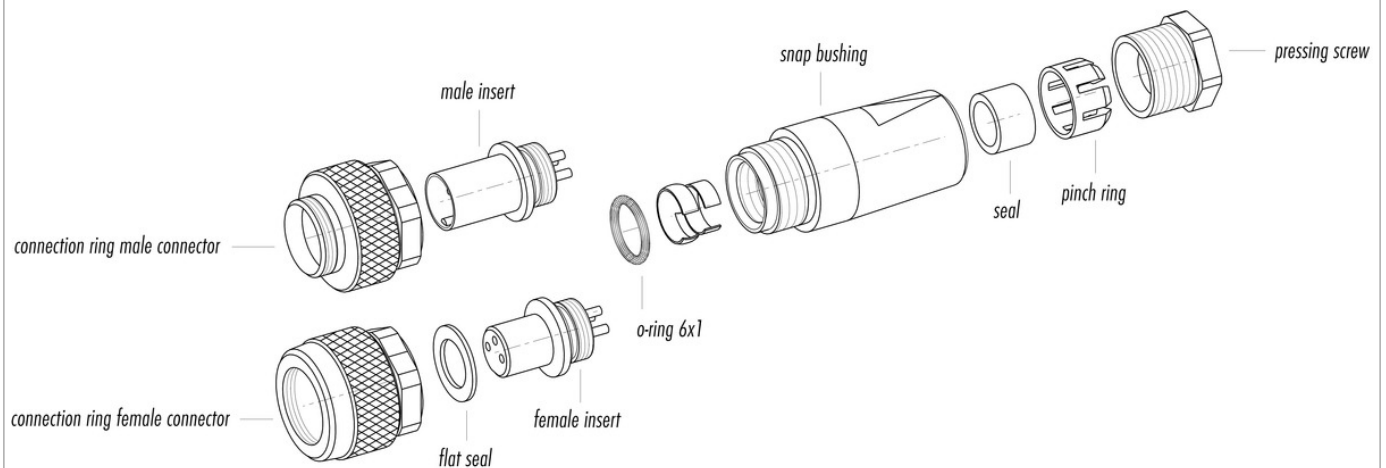
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### Component part drawing



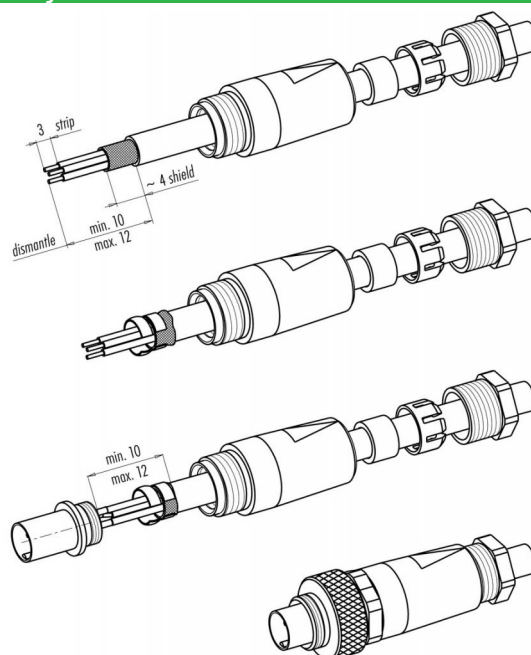
### Assembly instructions / Panel cut-out

1. Bead parts, dismantle cable, shorten shield, strip wire

2. Fold shield back, fit collar to cable diameter and solder with shield

3. Cut off projecting shielding braid, solder insert

4. Mount remaining parts acc. to figure



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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 IP 67 and IP 68 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).