

Product data sheet

Subminiature connectors

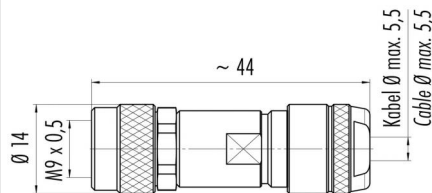


| | |
|---------------------|---|
| Product description | M9 IP67 female cable connector, Contacts: 8, 4.0 - 5.5 mm, shieldable, solder, IP67 |
| Area | M9 IP67 series 712 |
| Order number | 99 0426 115 08 |

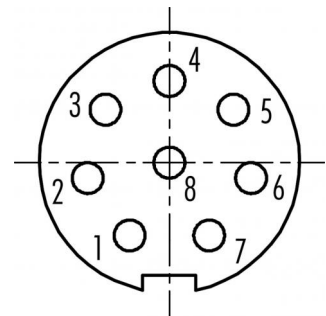
Illustration



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 ² |
| Wire gauge (AWG) | max. AWG 26 |
| Cable outlet | 4.0 - 5.5 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 ¹⁰ 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) |
| Locking material | CuZn (Brass nickel plated) |
| REACH SVHC | CAS 7439-92-1 (Lead) |

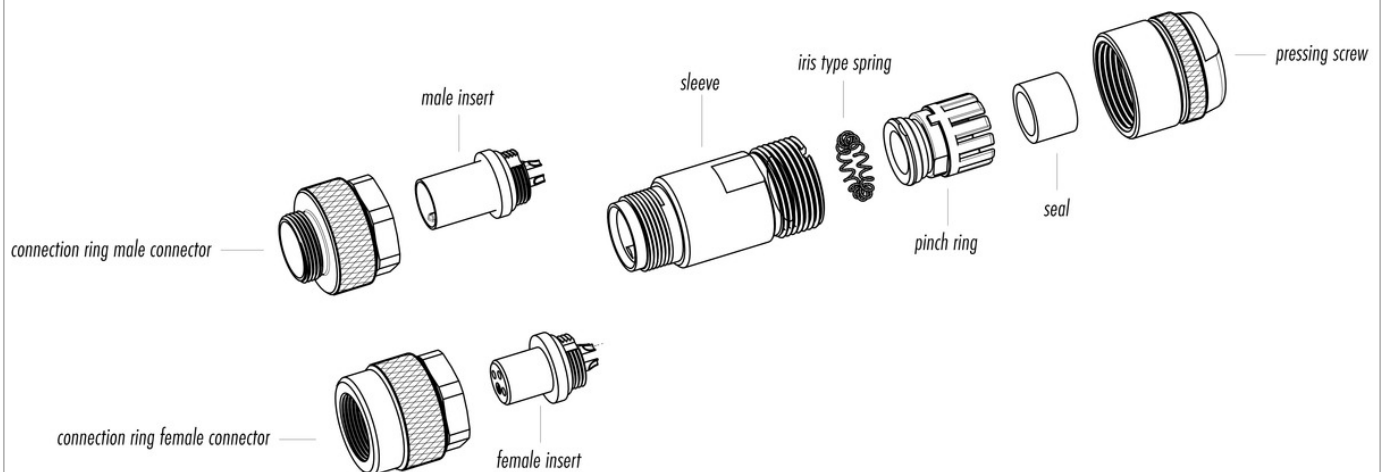
Product data sheet

Subminiature connectors



| | |
|---------------------|---|
| Product description | M9 IP67 female cable connector, Contacts: 8, 4.0 - 5.5 mm, shieldable, solder, IP67 |
| Area | M9 IP67 series 712 |
| Order number | 99 0426 115 08 |

Component part drawing

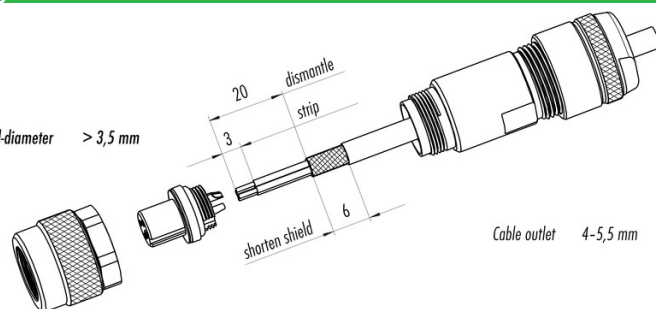


Assembly instructions / Panel cut-out

Shield-diameter > 3,5 mm

1. Bead housing to cable.
2. Strip single cores, shorten shielding braid.
3. Solder wires.
4. Screw housing to male or female contact carrier and fix pressing screw.

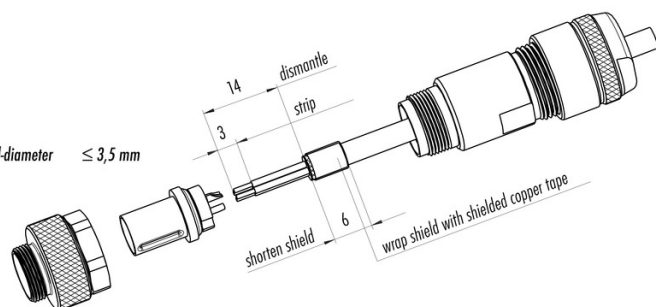
Shield-diameter > 3,5 mm



Shield-diameter ≤ 3,5 mm

1. Bead housing to cable.
2. Strip single cores, shorten shielding braid, put braid over cable coating, wrap it approx. 1 1/2 times with shielded copper tape and shorten tape.
3. Solder wires.
4. Screw housing to male or female contact carrier and fix pressing screw.

Shield-diameter ≤ 3,5 mm



| | |
|---------------------|---|
| Product description | M9 IP67 female cable connector, Contacts: 8, 4.0 - 5.5 mm, shieldable, solder, IP67 |
| Area | M9 IP67 series 712 |
| Order number | 99 0426 115 08 |

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).