

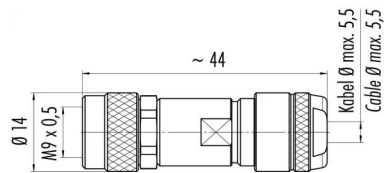
Product Area Female cable connector 360° EMC safe, shieldable, iris spring M9 connectors IP 67 serie 712

Pole 3  
Article number 99 0406 115 03

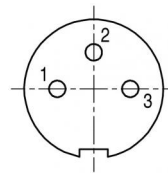
illustration



scale drawing



Contact Arrangement



|   | X     | Y    |
|---|-------|------|
| 1 | -1,55 | 0,00 |
| 2 | 0,00  | 1,55 |
| 3 | 1,55  | 0,00 |

You can find the item description and assembly instruction on the next page.

Technical data

Common values

|                   |                        |
|-------------------|------------------------|
| Connector Design  | Female cable connector |
| Termination       | solder                 |
| Wire gauge (mm)   | 0,25 mm <sup>2</sup>   |
| Wire gauge (AWG)  | 24                     |
| Cable outlet      | 3,5 - 5 mm             |
| Upper temperature | +85 °C                 |
| Lower temperature | -40 °C                 |

Electrical values

|                       |                    |
|-----------------------|--------------------|
| Rated voltage         | 125 V              |
| Rated impulse voltage | 1500 V             |
| Pollution degree      | I                  |
| Overvoltage category  | II                 |
| Material group        | III                |
| Rated current (40°C)  | 4 A                |
| Volume resistivity    | ≤ 3 mΩ             |
| Degree of protection  | IP 67              |
| Mechanical operation  | >500 mating cycles |

Material

|                          |                            |
|--------------------------|----------------------------|
| Material of contact      | CuSn (bronze)              |
| Contact plating          | Au (gold)                  |
| Material of contact body | PA (UL 94 V-0)             |
| Material of housing      | CUZn (brass nickel plated) |

Cable data

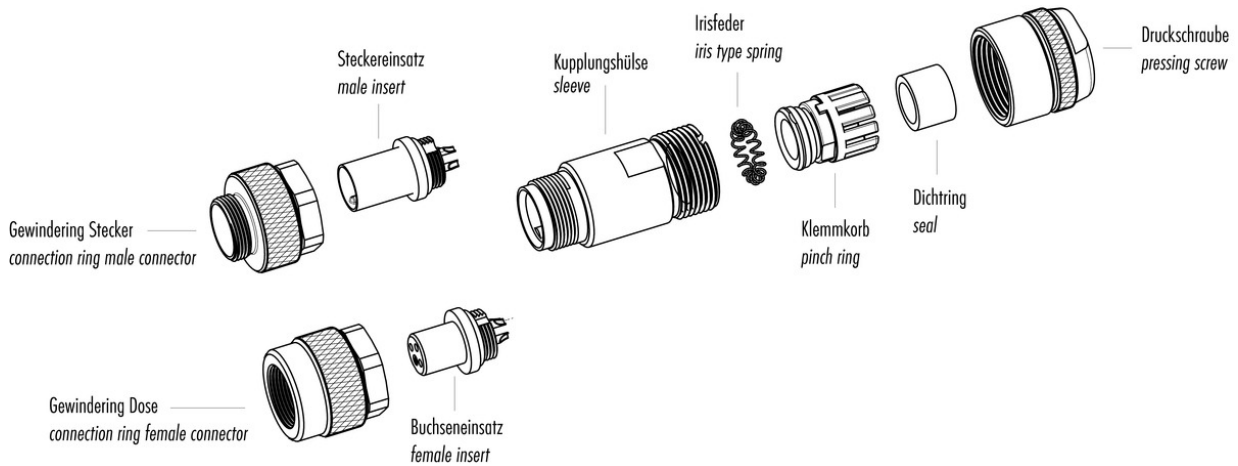
|                        |   |
|------------------------|---|
| material housing       | - |
| insulation single lead | - |
| single lead structure  | - |
| conductor resistance   | - |

Number of pins: 3, female cable connector, 360° EMC-safe, shieldable, iris spring



|              |  |                |                |
|--------------|--|----------------|----------------|
| Product Area | Female cable connector 360° EMC safe, shieldable, iris spring<br>M9 connectors IP 67 serie 712 | Pole           | 3              |
|              |  | Article number | 99 0406 115 03 |

Item description



Installation instructions / Mounting cutout

- Schirmdurchmesser > 3,5 mm**  
 1. Gehäuse auf Kabel auffädeln.  
 2. Abisolieren, Schirm kürzen.  
 3. Litzen anlöten.  
 4. Gehäuse mit Stecker- bzw. Buchseneinsatz verschrauben und Druckschraube festdrehen.

- 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.

- Schirmdurchmesser ≤ 3,5 mm**  
 1. Gehäuse auf Kabel auffädeln.  
 2. Abisolieren, Schirm kürzen, Schirm über Kabelmantel legen, mit Kupfer-Schirmfolie ca. 1 1/2 mal umwickeln und die Folie kürzen.  
 3. Litzen anlöten.  
 4. Gehäuse mit Stecker- bzw. Buchseneinsatz verschrauben und Druckschraube festdrehen.

- 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.

