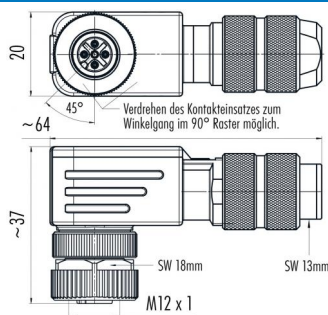


|                     |                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Product description | M12-A female angled connector, Contacts: 4, 6.0 - 8.0 mm, shieldable, crimp (Crimp contacts must be ordered separately), IP67, UL |
| Area                | M12-A series 713                                                                                                                  |
| Order number        | 99 1434 824 04                                                                                                                    |

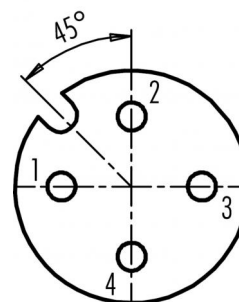
### Illustration



### 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              | crimp (Crimp contacts must be ordered separately) |
| Wire gauge (mm)          | 0.34 - 1.50 mm <sup>2</sup>                       |
| Wire gauge (AWG)         | AWG 22 - 16                                       |
| Cable outlet             | 6.0 - 8.0 mm                                      |
| Upper limit temperature  | 85 °C                                             |
| Lower limit temperature  | -40 °C                                            |
| Customs tariff number    | 85369010                                          |

### Electrical values

|                           |                     |
|---------------------------|---------------------|
| Rated current (40 °C)     | 4 A (3 A UL)        |
| Rated voltage             | 250 V               |
| Rated impulse voltage     | 2500 V              |
| Pollution degree          | 3                   |
| Overvoltage category      | II                  |
| Insulating material group | III                 |
| Insulation resistance     | > 10 <sup>8</sup> Ω |
| EMC compliance            | shieldable          |
| Degree of protection      | IP67                |
| Mechanical operation      | > 100 Mating cycles |

### Material

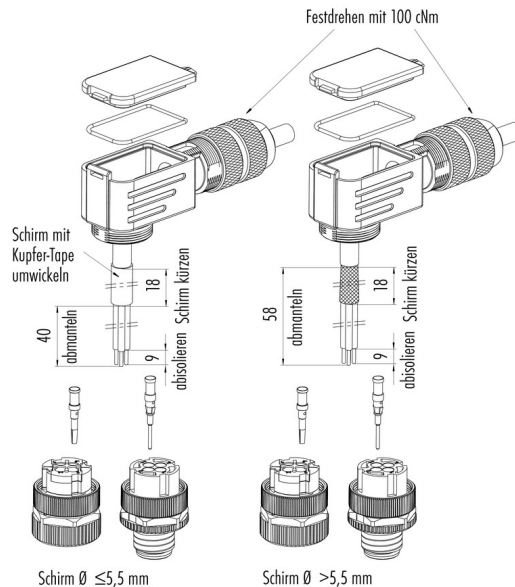
|                       |                             |
|-----------------------|-----------------------------|
| Contact material      | CuSn (bronze)               |
| Contact plating       | Au (gold)                   |
| Contact body material | PA                          |
| Housing material      | Zinc die-cast nickel-plated |
| REACH SVHC            | CAS 7439-92-1 (Lead)        |

### authorization/approvals

|            |    |
|------------|----|
| Approval 1 | UL |
|------------|----|

|                     |                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Product description | M12-A female angled connector, Contacts: 4, 6.0 - 8.0 mm, shieldable, crimp (Crimp contacts must be ordered separately), IP67, UL |
| Area                | M12-A series 713                                                                                                                  |
| Order number        | 99 1434 824 04                                                                                                                    |

## Assembly instructions / Panel cut-out



### Schirmdurchmesser ≤ 5,5 mm

1. Gehäuse auf Kabel auffädeln.
2. Abmanteln, absolieren, Schirm kürzen, Schirm auf Kabelmantel umschlagen und mit Kupfer-Tape umwickeln.
3. Litzen anschließen (crimpen).
4. 4 Kontakte bestücken.
5. Gehäuse mit Stecker- bzw. Buchseneinsatz verschrauben.
6. Kabel durch den Kabelabgang so weit zurückziehen, bis noch 2 mm vom Schirm sichtbar ist.
7. Deckel mit Dichtung einsetzen und Druckschraube festdrehen.

### Schirmdurchmesser > 5,5 mm

1. Gehäuse auf Kabel auffädeln.
2. Abmanteln, absolieren, Schirm kürzen.
3. Litzen anschließen (crimpen).
4. 4 Kontakte bestücken.
5. Gehäuse mit Stecker- bzw. Buchseneinsatz verschrauben.
6. Kabel durch den Kabelabgang so weit zurückziehen, bis noch 2 mm vom Schirm sichtbar ist.
7. Deckel mit Dichtung einsetzen und Druckschraube festdrehen.

|                     |                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Product description | M12-A female angled connector, Contacts: 4, 6.0 - 8.0 mm, shieldable, crimp (Crimp contacts must be ordered separately), IP67, UL |
| Area                | M12-A series 713                                                                                                                  |
| Order number        | 99 1434 824 04                                                                                                                    |

## 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.

To protect against unintentional opening of the connector, the thread between the housing and the connector head must be secured with a suitable cyanoacrylate adhesive when used in circuits with voltages dangerous to the touch. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

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).