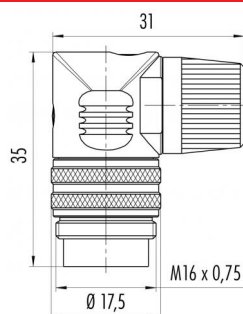


| | |
|---------------------|---|
| Product description | M16 IP40 male angled connector, Contacts: 6 DIN, 6.0 - 8.0 mm, unshielded, solder, IP40 |
| Area | M16 IP40 series 682 |
| Order number | 09 0143 78 06 |

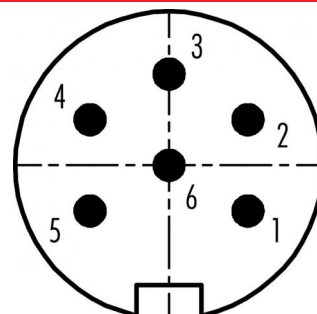
Illustration



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 | male angled connector |
| Connector locking system | screw |
| Termination | solder |
| Wire gauge (mm) | 0.75 mm ² |
| Wire gauge (AWG) | AWG 18 |
| 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) | 5 A |
| Rated voltage | 250 V |
| Rated impulse voltage | 1500 V |
| Pollution degree | 1 |
| Overvoltage category | I |
| Insulating material group | III |
| Insulation resistance | ≥ 10 ¹⁰ Ω |
| EMC compliance | unshielded |
| Degree of protection | IP40 |
| Mechanical operation | > 1000 Mating cycles |

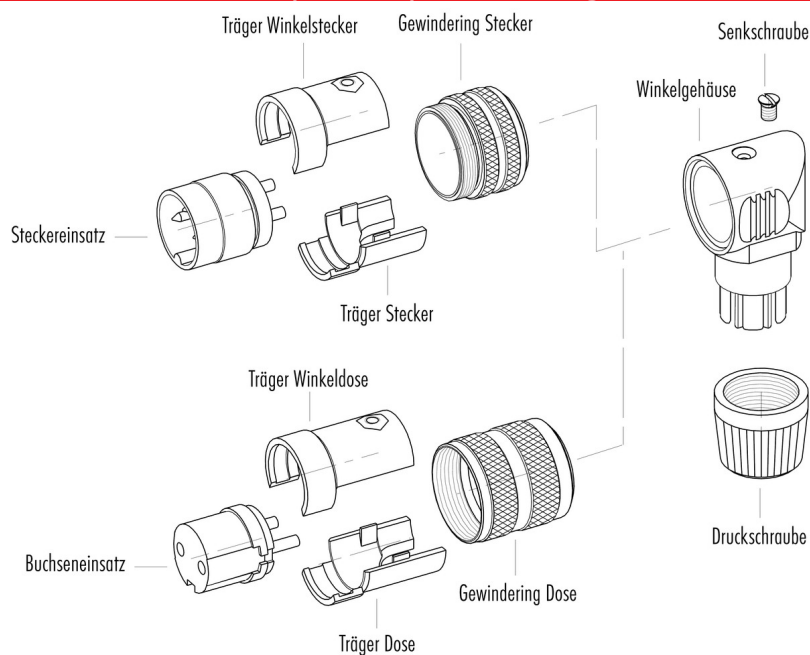
Material

| | |
|-----------------------|----------------------|
| Contact material | CuZn (brass) |
| Contact plating | Au (gold) |
| Contact body material | PBT (UL94 V-0) |
| Housing material | PA |
| REACH SVHC | CAS 7439-92-1 (Lead) |

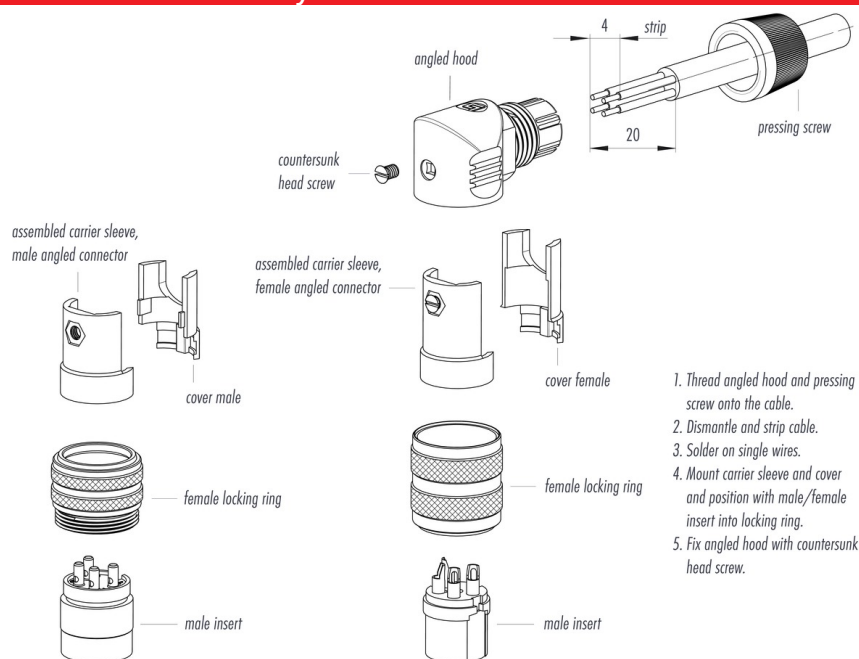
Product description **M16 IP40 male angled connector, Contacts: 6 DIN, 6.0 - 8.0 mm, unshielded, solder, IP40**

Area **M16 IP40 series 682**
Order number **09 0143 78 06**

Component part drawing



Assembly instructions / Panel cut-out



| | |
|---------------------|---|
| Product description | M16 IP40 male angled connector, Contacts: 6 DIN, 6.0 - 8.0 mm, unshielded, solder, IP40 |
| Area | M16 IP40 series 682 |
| Order number | 09 0143 78 06 |

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.

The plug connector is not suitable for mains voltages. Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".

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