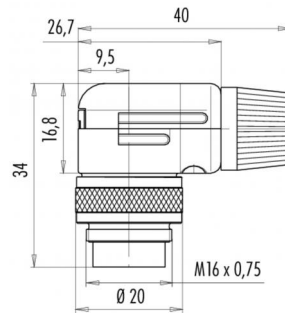


Product description **M16 IP40 male angled connector, Contacts: 7, 4.0 - 6.0 mm, shieldable, solder, IP40**
 Area **M16 IP40 series 682**
 Order number **99 0145 10 07**

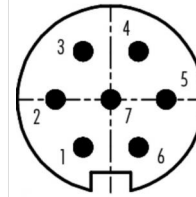
Illustration



Scale drawing



Contact arrangement



	X	Y
1	-1,75	-3,03
2	-3,50	0,00
3	-1,75	3,03
4	1,75	3,03
5	3,50	0,00
6	1,75	-3,03
7	0,00	0,00

You can find the component part drawing on the next page.

Technical data

General values

Connector design male angled connector
 Connector locking system screw
 Termination solder
 Wire gauge (mm) 0.75 mm²
 Wire gauge (AWG) 18
 Cable outlet 4.0 - 6.0 mm
 Upper limit temperature 85 °C
 Lower limit temperature - 40 °C
 Customs tariff number 85369010
 Packaging Unit 50

Electrical values

Rated current (40 °C) 5 A
 Rated voltage 125 V
 Rated impulse voltage 800 V
 Pollution degree 1
 Overvoltage category I
 Insulating material group III
 Insulation resistance $\geq 10^{10} \Omega$
 EMC compliance shieldable
 Degree of protection IP40
 Mechanical operation > 500 Mating cycles

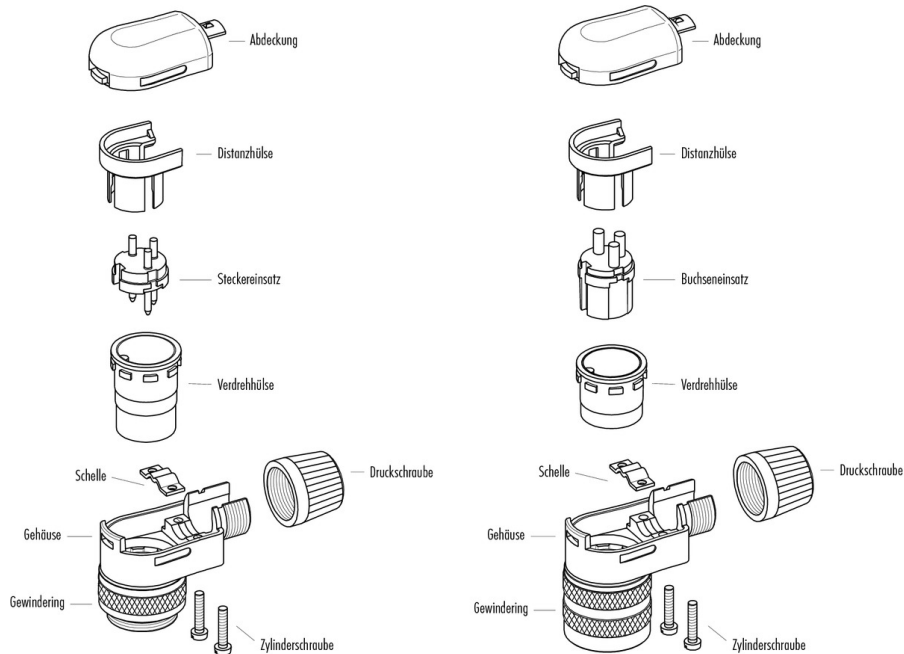
Material

Contact material CuZn (brass)
 Contact plating Ag (silver)
 Contact body material PBT (UL94 V-0)
 Housing material PA

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Component part drawing



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Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

To prevent the connector being opened unintentionally when used in electrical circuits containing hazardous life parts, the thread between the housing and the connector head must be secured using a suitable cyanoacrylate adhesive. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

Connectors used in electrical circuits containing hazardous life parts must only be assembled and used by or under the supervision of persons with the requisite electrotechnical training, taking the applicable regulations and standards into account.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).