Product data sheet

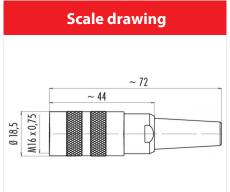
Miniature connectors

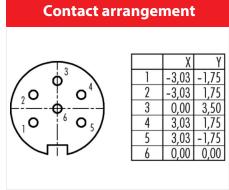


Product description Contacts: 6 DIN, female cable connector with solder eye, shieldable, cable outlet 4 - 6 mm, silver plated contacts

Area **M16 IP40 Series 581**Order number **99 2022 00 06**







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

Technical data

General values

Connector design Connector locking system Termination Wire gauge (mm) Wire gauge (AWG) Cable outlet Upper limit temperature Lower limit temperature

female cable connector bolted solder 0,75 mm² 20 4,0 - 6,0 mm 85 °C -40 °C

Electrical values

Rated current (40 °C) 5 A Rated voltage 250 V Rated impulse voltage 1500 V Pollution degree Overvoltage category Insulating material group Ш Volume resistivity $\leq 5 \text{ m}\Omega$ Insulation resistance $\geq 10^{10} \Omega$ shieldable EMC compliance Degree of protection IP40 > 500 Mating cycles Mechanical operation

Material

Contact material CuSn (bronze)
Contact plating Ag (silver)
Contact body material PBT (UL 94 V-0)

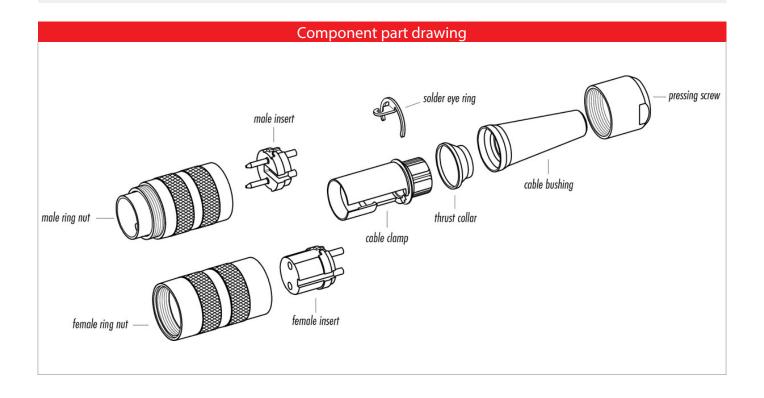
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Security notices

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.

The connector is not suitable for mains voltages. Please observe the pollution degrees and the overvoltage category. For further information refer to 'Technical support' in the Download Centre.

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