Product data sheet

Miniature connectors

### General values
- **Connector design**: cable connector
- **Connector locking system**: screw
- **Termination**: solder
- **Wire gauge (mm²)**: 0.75
- **Wire gauge (AWG)**: 18
- **Cable outlet**: 6.0 - 8.0 mm
- **Upper limit temperature**: 95 °C
- **Lower limit temperature**: −30 °C
- **Customs tariff number**: 85369010
- **Packaging Unit**: 30

### Cable data
- **Approval 1**: UL

### Electrical values
- **Rated current (40 °C)**: 5 A
- **Rated voltage**: 125 V
- **Rated impulse voltage**: 800 V
- **Pollution degree**: 1
- **Overvoltage category**: II
- **Insulating material group**: III
- **Insulation resistance**: ≥ 10¹⁰ Ω
- **EMC compliance**: shieldable
- **Degree of protection**: IP67
- **Mechanical operation**: > 500 Mating cycles

### Material
- **Contact material**: CuZn (brass)
- **Contact plating**: Au (gold)
- **Contact body material**: PBT (UL94 V-0)

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You can find the component part drawing and assembly instructions on the next page.
Product data sheet

Miniature connectors

Product description
M16 IP67 cable connector, Contacts: 7, 6.0 - 8.0 mm, shieldable, solder, IP67, UL

Area
M16 IP67 series 423

Order number
99 5625 19 07

Component part drawing

Assembly instructions / Panel cut-out

Gerade Version
(Ausführung mit Schirmklemmring)
1. Druckschraube, Klemmkorb, Dichtung, Distanzhülse und ersten Schirmklemmring auföfnen.
2. Litzen absolieren, Schirm aufweiten und zweiten Schirmklemmring auföfnen.
3. Litzen anlöten, Distanzhülse montieren, die beiden Klemmringe mit dem Schirm zusammenschwenken und überstehenden Schirm abschneiden.
4. Übrige Teile gemäß Darstellung montieren.
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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.

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.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection 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).