

# Product data sheet

## Miniature connectors

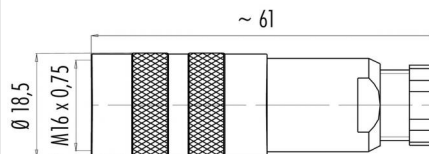


Product description	<b>M16 IP67 female cable connector, Contacts: 3 DIN, 4.0 - 6.0 mm, shieldable, solder, IP67, UL</b>
Area	<b>M16 IP67 series 423</b>
Order number	<b>99 5106 19 03</b>

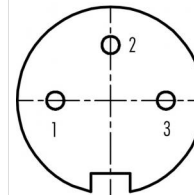
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



	X	Y
1	-3,50	0,00
2	0,00	3,50
3	3,50	0,00

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

## Technical data

### General values

Connector design	female cable connector
Connector locking system	screw
Termination	solder
Wire gauge (mm)	max. 0.75 mm <sup>2</sup>
Wire gauge (AWG)	max. 18
Cable outlet	4.0 - 6.0 mm
Upper limit temperature	95 °C
Lower limit temperature	- 30 °C
Customs tariff number	85369010
Packaging Unit	20

### Cable data

Approval 1	UL
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### Electrical values

Rated current (40 °C)	7 A
Rated voltage	250 V
Rated impulse voltage	1500 V
Pollution degree	1
Overvoltage category	I
Insulating material group	III
Insulation resistance	≥ 10 <sup>10</sup> Ω
EMC compliance	shieldable
Degree of protection	IP67
Mechanical operation	> 500 Mating cycles

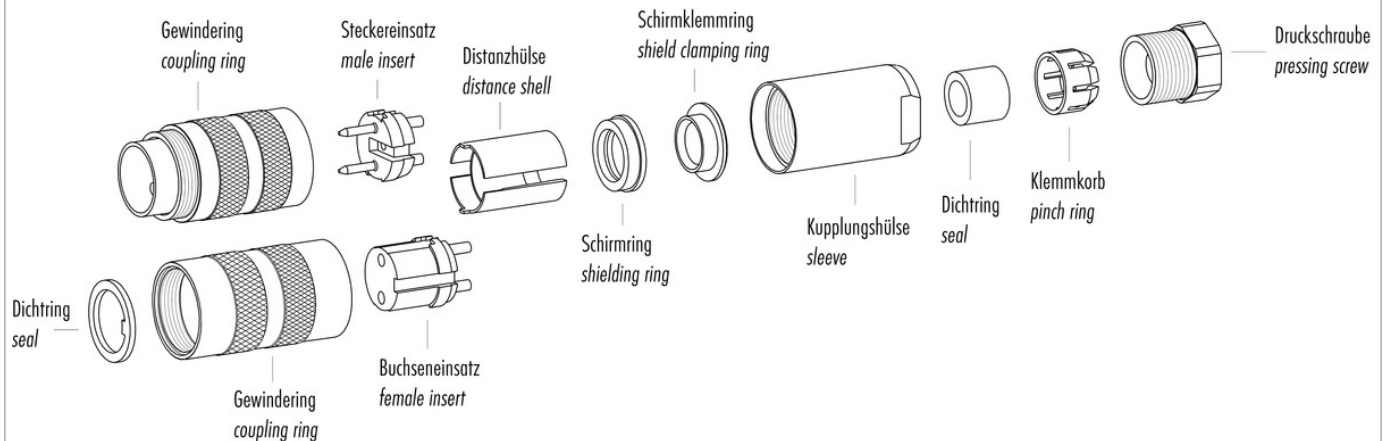
### Material

Contact material	CuSn (bronze)
Contact plating	Au (gold)
Contact body material	PBT (UL94 V-0)
REACH SVHC	CAS 96-45-7 (Imidazolidine-2-thione) CAS 7439-92-1 (Lead)

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## Component part drawing



## Assembly instructions / Panel cut-out

### Gerade Version

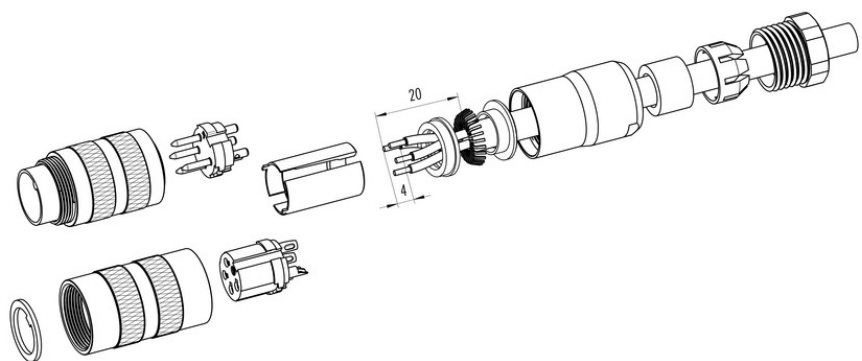
(Ausführung mit Schirmklemmring)

1. Druckschraube, Klemmkorb, Dichtung, Distanzhülse und ersten Schirmklemmring auffädeln.
2. Litzen abisolieren, Schirm aufweiten und zweiten Schirmklemmring auffädeln.
3. Litzen anlöten, Distanzhülse montieren, die beiden Klemmrings mit dem Schirm zusammenschieben und überstehenden Schirm abschneiden.
4. Übrige Teile gemäß Darstellung montieren.

### Straight version

(Version with shield clamping ring)

1. Bead pressing screw, pinch ring, seal, distance shell and first shield clamping ring on cable.
2. Strip wires, widen shield and bead second shield clamping ring.
3. Solder wires, snap distance shell, push the two shield clamping rings together and cut off projecting shielding braid.
4. Assemble remaining parts according to picture.



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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.

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).