Product data sheet

Miniature connectors
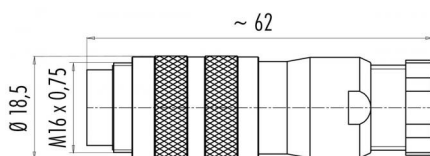
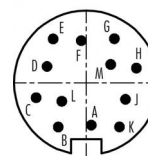|	
Product description	**M16 IP67 cable connector, Contacts: 12, 6.0 - 8.0 mm, shieldable, solder, IP67, UL**
Area	**M16 IP67 series 423**
Order number	**99 5629 15 12**

Illustration

Scale drawing

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Ø 18,5 M16 x 0,75

Contact arrangement (Plug-in side)

	X	Y
A	0,41	-3,45
B	-2,29	-3,61
C	-4,10	-1,21
D	-3,20	1,34
E	-2,71	3,59
F	-0,41	3,45
G	2,29	3,61
H	4,10	1,21
J	3,20	-1,34
K	2,71	-3,59
L	-2,00	-1,51
M	2,00	1,51

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

Technical data

General values

Connector design	cable connector
Connector locking system	screw
Termination	solder
Wire gauge (mm)	max. 0.25 mm²
Wire gauge (AWG)	max. 24
Cable outlet	6.0 - 8.0 mm
Upper limit temperature	95 °C
Lower limit temperature	– 30 °C
Customs tariff number	85369010
Packaging Unit	20

Cable data

Approval 1	UL

Electrical values

Rated current (40 °C)	3 A
Rated voltage	60 V
Rated impulse voltage	500 V
Pollution degree	1
Overvoltage category	I
Insulating material group	III
Insulation resistance	$\geq 10^{10}\,\Omega$
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)
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 Klemmringe mit dem Schirm zusammenschieben und überstehenden Schirm abschneiden.
4. Übrige Teile gemäß Darstellung montieren.

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Security notices

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 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).