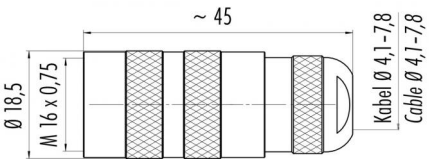
Product data sheet

Miniature connectors

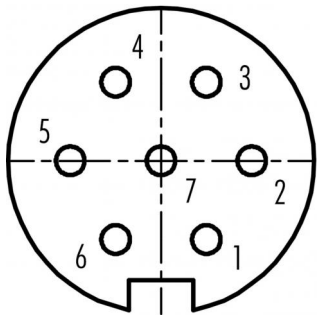
Product description	**M16 IP67 female cable connector, Contacts: 7, 4.1 - 7.8 mm, unshielded, solder, IP67, UL**
Area	**M16 IP67 series 423**
Order number	**99 5126 40 07**

Illustration

Scale drawing



Contact arrangement (Plug-in side)



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 mm²
Wire gauge (AWG)	max. AWG 18
Cable outlet	4.1 - 7.8 mm
Upper limit temperature	95 °C
Lower limit temperature	-30 °C
Customs tariff number	85369010

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	≥ 10^{10} Ω
EMC compliance	unshielded
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 7439-92-1 (Lead)

authorization/approvals

Approval 1	UL

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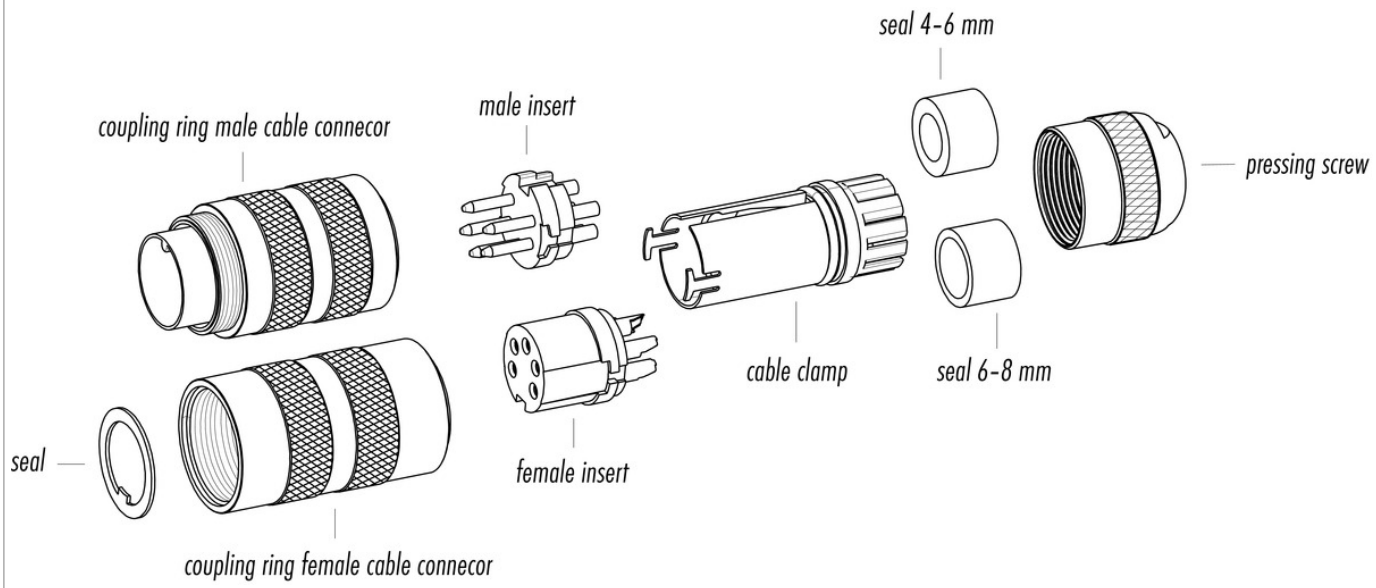
Component part drawing

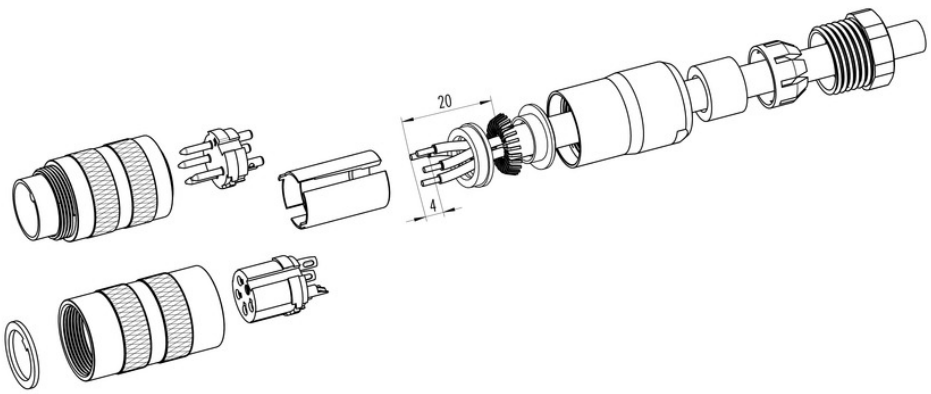


Assembly instructions / Panel cut-out

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 cutt off projecting shielding braid.*
4. *Assemble remaining parts according to picture.*



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Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.
The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.
Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.
Plug connectors with enclosure protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.
To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).