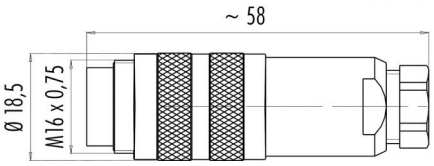
Product data sheet

Miniature connectors

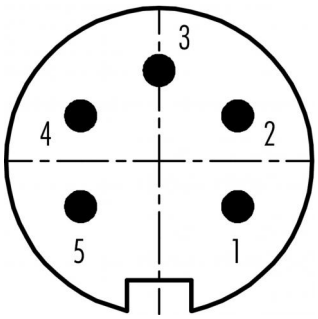
Product description	**M16 IP67 male cable connector, Contacts: 5, 4.0 - 6.0 mm, shieldable, solder, IP67, UL**
Area	**M16 IP67 series 423**
Order number	**99 5113 00 05**

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 features

Order number	99 5113 00 05
Connector design	male cable connector
Version	connector male straight
Connector locking system	screw
Termination	solder
Degree of protection	IP67
Cross-sectional area	max. 0.75 mm² / max. AWG 18
Cable outlet	4.0 - 6.0 mm
Temperature range from/to	-30 °C / 95 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	48.439
Customs tariff number	85369010

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	1500 V
Rated current (40 °C)	6 A
Insulation resistance	≥ 10^{10} Ω
Pollution degree	1
Overvoltage category	I
Insulating material group	III
EMC compliance	shieldable
Shield connection	cable clamp

Material

Contact body material	PBT (UL94 V-0)
Contact material	CuZn (brass)
Contact plating	Ag (silver)
REACH SVHC	CAS 7439-92-1 (Lead)

Classifications

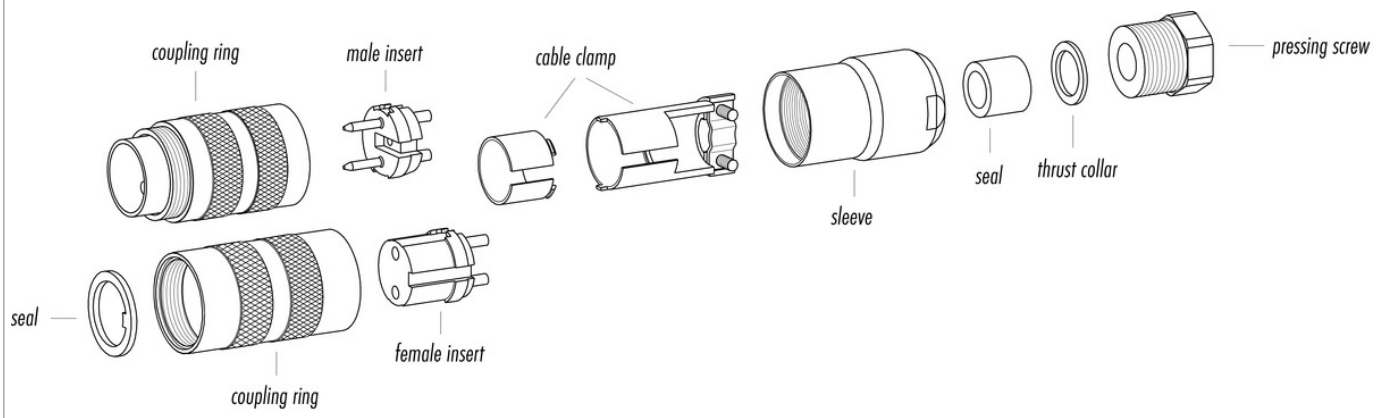
eCl@ss 11.1	27-44-01-02
ETIM 7.0	EC002635

Declarations of conformity

Low Voltage Directive	2014/35/EU (EN 60204-1:2018;EN 60529:1991)

Product description	**M16 IP67 male cable connector, Contacts: 5, 4.0 - 6.0 mm, shieldable, solder, IP67, UL**
Area	**M16 IP67 series 423**
Order number	**99 5113 00 05**

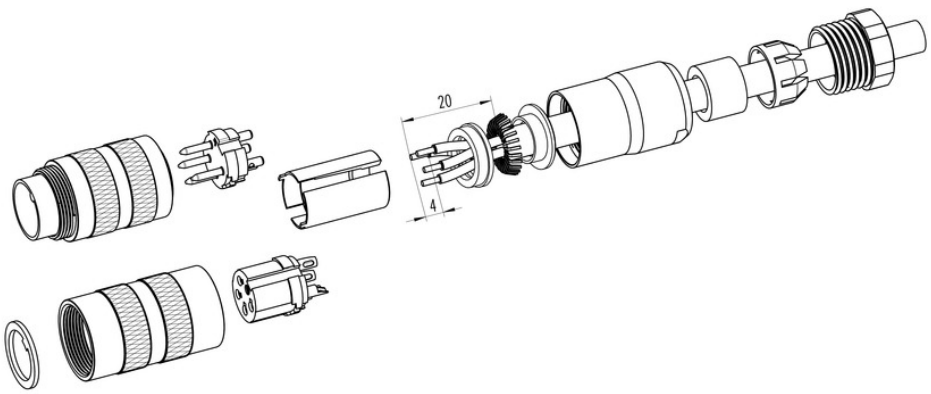
Component part drawing



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.*



Product description	**M16 IP67 male cable connector, Contacts: 5, 4.0 - 6.0 mm, shieldable, solder, IP67, UL**
Area	**M16 IP67 series 423**
Order number	**99 5113 00 05**

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.
The plug connector is not suitable for mains voltages Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".
To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).