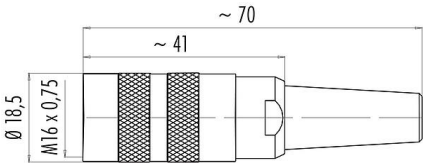
Product data sheet
Miniature connectors

Product description	**M16 IP40 Female cable connector, Contacts: 6 (06-a), 4.0-6.0 mm, shieldable, solder, IP40**
Area	**M16 IP40 series 581**
Part no.	**99 2022 19 06**

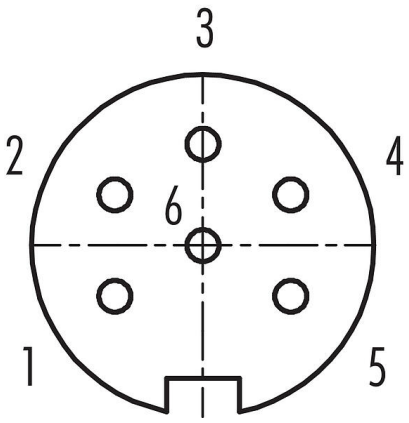
Illustration



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	**99 2022 19 06**
Connector design	Female cable connector
Version	Connector socket straight
Connector locking system	screw
Termination	solder
Degree of protection	IP40
Cross-sectional area	max. 0.75 mm² / AWG 18
Cable outlet	4.0-6.0 mm
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	32.24
Customs tariff number	85369010

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	1500 V
Rated current (40 °C)	5.0 A
Insulation resistance	≥ 10^{10} Ω
Pollution degree	1
Overvoltage category	I
Insulating material group	III
EMC compliance	shieldable
Shield connection	cable clamp

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Material

Contact body material	PBT (UL94 V-0)
Contact material	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	8f0ee9c8-affa-4cdd-a78d-8e9cc9eb1b6b

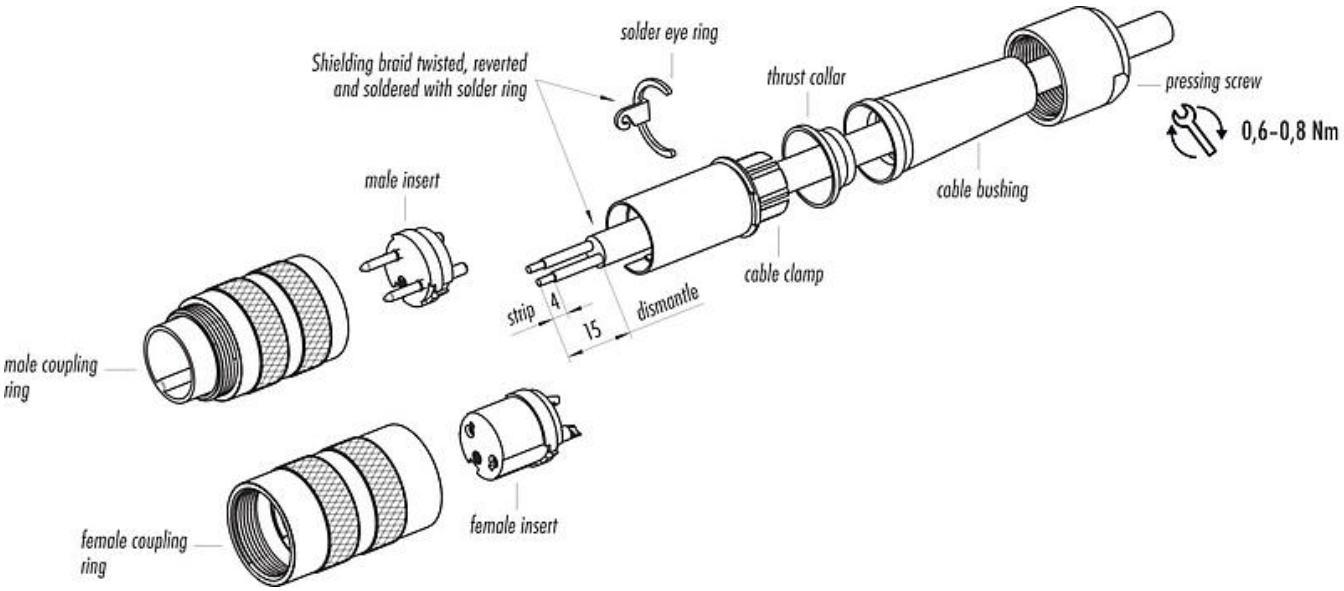
Classifications

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)

Assembly instructions



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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.

To protect against unintentional opening of the connector, the thread between the housing and the connector head must be secured with a suitable cyanoacrylate adhesive when used in circuits with voltages dangerous to the touch. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

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.

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).