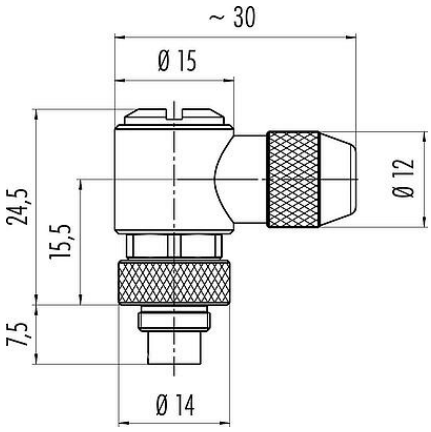
Product data sheet
Subminiature connectors

Product description	**M9 Male angled connector, Contacts: 7, 3.5-5.0 mm, shieldable, solder, IP67**
Area	**M9 IP67**
Series	**712**
Part no.	**99 0421 75 07**

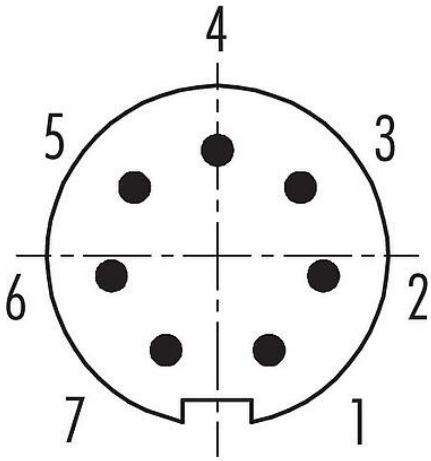
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	99 0421 75 07
Connector design	Male angled connector
Version	Connector pin angled
Connector locking system	screw
Termination	solder
Degree of protection	IP67
Connection cross-section	max. 0.14 mm² / AWG 26
Cable outlet	3.5-5.0 mm
Twistability	180° (2 coding options)
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	24.85
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	125 V
Rated impulse voltage	1500 V
Rated current	1.0 A
Insulation resistance	≥ 10^{8} Ω
Pollution degree	1
Overvoltage category	II
Insulating material group	III

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EMC compliance	shieldable
Shield connection	Shielding ring

Material

Contact body material	PBT (UL94 V-0)
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	CuZn (brass)
REACH SVHC	CAS 96-45-7 (Imidazolidine-2-thione) CAS 7439-92-1 (Lead)
SCIP number	c170b5d6-0fa9-4e44-92ec-ac4bb5970e5c

Classifications

eCl@ss 11.1	27-44-01-02
ETIM 9.0	EC002635

Declarations of conformity

Low Voltage Directive	EN 60529:1991 | EN 60204-1:2018

Trade-Compliance

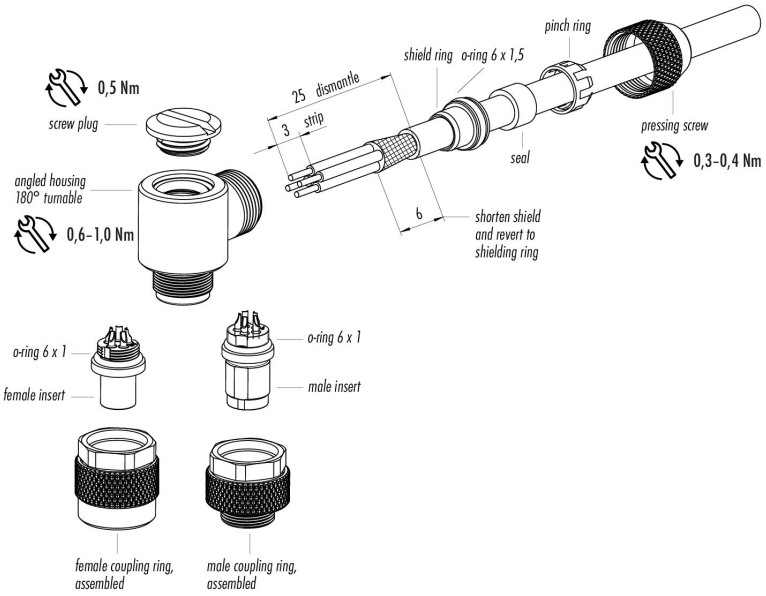
Copper (9903.78.01)	0.000221 kg

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Assembly instructions

1. *Bead parts to cable.*
2. *Dismantle cable to 25 mm length.*
3. *Strip single wires (L = 3 mm), widen shield and revert to shielding ring.*
4. *Bead single wires through housing. Mount shielding ring, seal and pinch ring. Turn on pressing screw to fix the cable.*
5. *Solder single wires.*
6. *Screw housing to contact insert and tighten pressing screw.*
7. *Tighten screw plug.*



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Subminiature connectors

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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 user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

Plug connectors with enclosure protection IP67 and IP68 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.

Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".