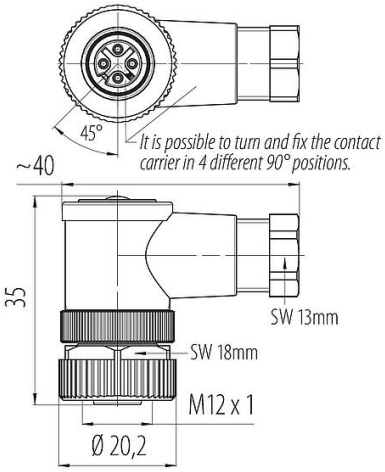
Product data sheet
Automation technology - Sensors and actuators

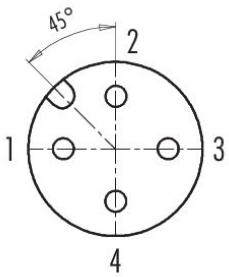
Product description	**M12 Female angled connector, Contacts: 4, 4.0-6.0 mm, unshielded, crimping (Crimp contacts must be ordered separately), IP67, UL**
Area	**M12-A**
Part no.	**99 0530 24 04**

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 0530 24 04
Connector design	Female angled connector
Type standard	DIN EN 61076-2-101
Version	Connector socket angled
Connector locking system	screw
Termination	crimping (Crimp contacts must be ordered separately)
Degree of protection	IP67
Cross-sectional area	0.34-1.50 mm² / AWG 22-16
Cable outlet	4.0-6.0 mm
Twistability	90° (4 coding options)
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	20.25
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	2500 V
Rated current	4 A (3 A UL)
Insulation resistance	> 10^8 Ω

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Pollution degree	3
Overvoltage category	II
Insulating material group	III
EMC compliance	unshielded

Material

Housing material	PA
Contact body material	PA
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 96-45-7 (Imidazolidine-2-thione)
SCIP number	9ec92b0b-7a0f-49da-987b-68a9804bd148

Authorization/approvals

Approvals	UL

Classifications

eCl@ss 11.1	27-44-01-02

Declarations of conformity

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

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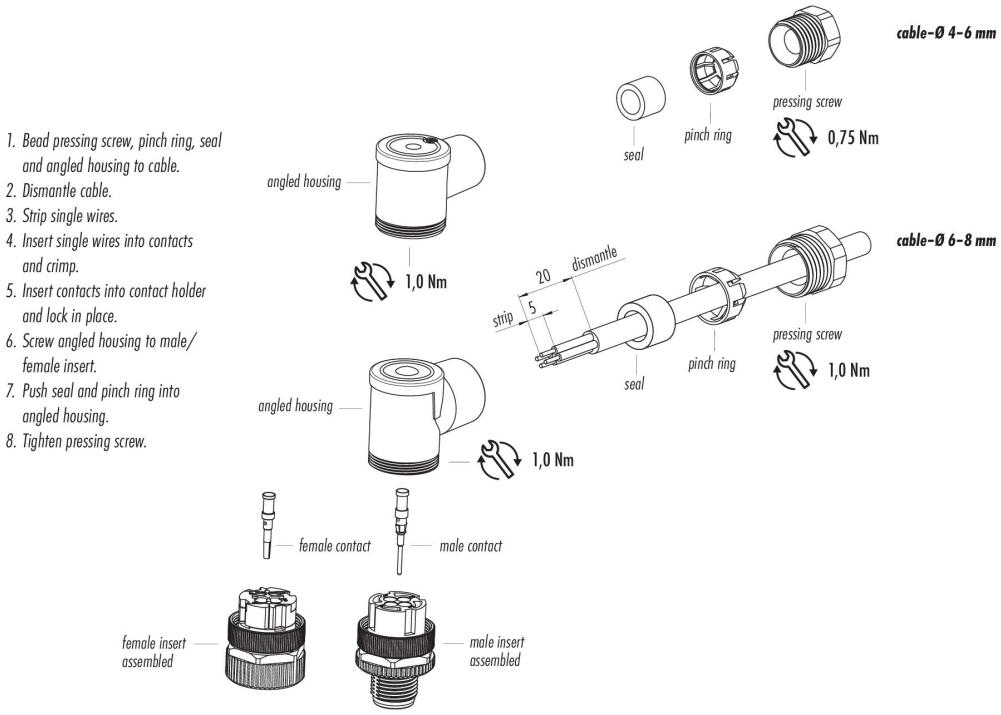
Assembly instructions



Date: 19.04.2024

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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.

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.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 60 cNm).

The user must take appropriate safety precautions to ensure that the connector cannot be accidentally disconnected. In addition, the user must ensure that the cable is suitably secured.