Product data sheet

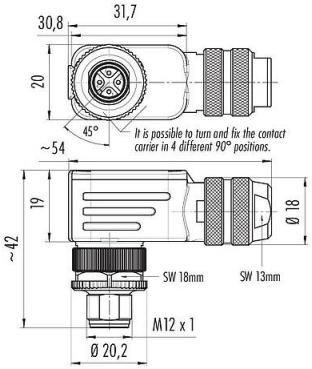
Automation technology - Sensors and actuators

Product description	**M12 Male angled connector, Contacts: 4, 4.0-6.0 mm, shieldable, screw clamp, IP67, UL**
Area	**series 713**
Part no.	**99 1429 824 04**

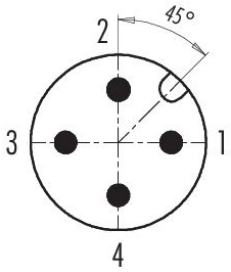
Illustration



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	99 1429 824 04
Connector design	Male angled connector
Type standard	DIN EN 61076-2-101
Version	Connector pin angled
Connector locking system	screw
Termination	screw clamp
Degree of protection	IP67
Cross-sectional area	max. 0.75 mm² / AWG 18
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)	69.33
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
Pollution degree	3

Product data sheet

Automation technology - Sensors and actuators

Product description	**M12 Male angled connector, Contacts: 4, 4.0-6.0 mm, shieldable, screw clamp, IP67, UL**
Area	**series 713**
Part no.	**99 1429 824 04**

Overvoltage category	II
Insulating material group	III
EMC compliance	shieldable
Shield connection	Shielding ring

Material

Housing material	Zinc die-cast nickel-plated
Contact body material	PA
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 96-45-7 (Imidazolidine-2-thione) CAS 7439-92-1 (Lead)
SCIP number	778904ef-a27b-432c-8785-b94daeb07d4f

Authorization/approvals

Approvals	UL

Classifications

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

Declarations of conformity

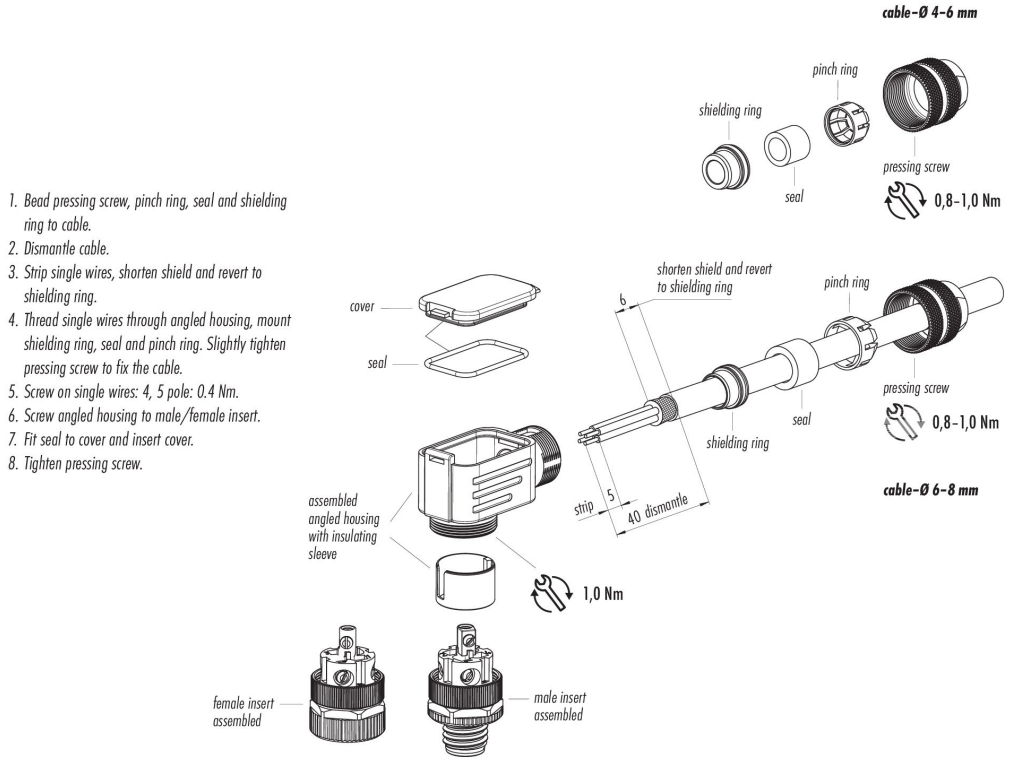
Low Voltage Directive	2014/35/EU (EN 60204-1:2018;EN 60529:1991)

Product data sheet

Automation technology - Sensors and actuators

Product description	**M12 Male angled connector, Contacts: 4, 4.0-6.0 mm, shieldable, screw clamp, IP67, UL**
Area	**series 713**
Part no.	**99 1429 824 04**

Assembly instructions



Date: 06.08.2024

Product data sheet

Automation technology - Sensors and actuators

Product description	**M12 Male angled connector, Contacts: 4, 4.0-6.0 mm, shieldable, screw clamp, IP67, UL**
Area	**series 713**
Part no.	**99 1429 824 04**

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.

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. 60 cNm).

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Franz Binder:

09-9749-20-03 14402780 79-3468-52-06 99-0430-27-04 99-0491-12-12 79 5001 20 04 09 0137 70 04
09 3463 00 06 09-3491-90-12 99-4929-00-08 09-0498-00-24 09-0981-00-04 09-3442-92-05
86 6919 0002 00703 99-3376-100-04 99-9475-100-07 09-0315-00-05 09-3481-679-08 99-0072-100-02
99-0401-10-02 99-0429-314-04 04 0722 000 09-3432-500-04 99-3400-00-03 99 0975 102 03
99-0096-100-05 99-0609-00-04 99-4905-00-03 99-9115-00-05 09-3105-86-03