Product data sheet

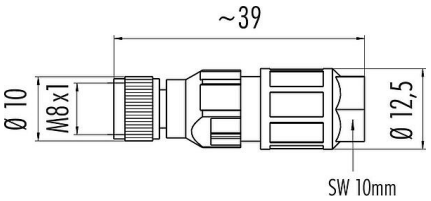
Automation technology - Sensors and actuators

Product description	**M8 Female cable connector, Contacts: 3, 2.5-5.0 mm, unshielded, IDC, IP67, UL**
Area	**M8**
Coding	**A-coded**
Series	**768**
Part no.	**99 3400 550 03**

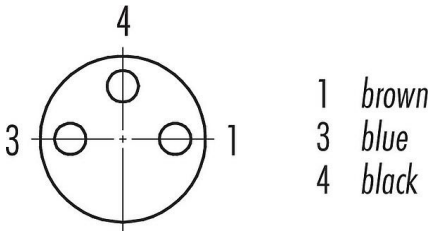
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	99 3400 550 03
Connector design	Female cable connector
Type standard	DIN EN 61076-2-104
Coding	A-coded
Version	Connector socket straight
Connector locking system	screw
Termination	IDC
Degree of protection	IP67
Connection cross-section	0.25-0.50 mm² / AWG 24-20
Cable outlet	2.5-5.0 mm
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	4.47
Customs tariff number	85366990
Country of Origin	DE

Electrical parameters

Rated voltage	60 V (UL 30 V)
Rated impulse voltage	1500 V
Rated current	4.0 A
Pollution degree	3
Overvoltage category	III
Insulating material group	III
EMC compliance	unshielded

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Material

Housing material	PA
Contact body material	TPU
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	33bcc575-b0e2-4bc1-b793-2dd4c7c863ae

Authorization/approvals

Approvals	UL

Classifications

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

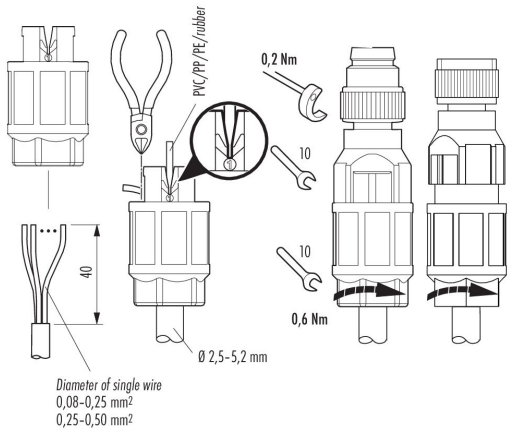
Declarations of conformity

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

Trade-Compliance

Copper (9903.78.01)	0.000221 kg

Assembly instructions



Wire gauge	0,08–0,25 mm² (AWG 28–24)	0,25–0,5 mm² (AWG 24–20)
Core-Ø incl. insulation	0,75–1,5 mm	
Material of core insulation	PVC/PE/PP/rubber	
Design of wire acc.to VDE 0295/ smallest wire-Ø of cores	class 2–6	
Termination frequency	10	

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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".

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).