

# Product data sheet

## Automation technology - Voltage and Power Supply

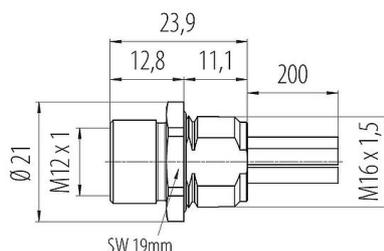


Product description	<b>M12 Female panel mount connector, Contacts: 4+FE, unshielded, single wires, IP68, M16x1.5, Front mounting, UL 2237 in preparation</b>
Area	<b>M12-L</b>
Coding	<b>L-coded</b>
Series	<b>823</b>
Part no.	<b>76 0244 0024 00855-0200</b>

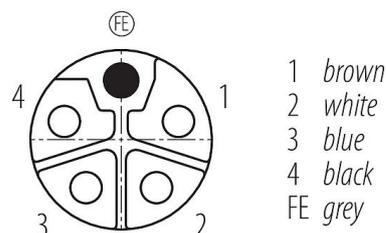
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

## Technical data

### General features

Part no.	<b>76 0244 0024 00855-0200</b> Alternative part no.: 09 0642 37 05
Connector design	Female panel mount connector
Coding	L-coded
Wire length	0.2 m (Standard 0.2m. Other lengths are available on request).
Version	Connector socket straight
Connector locking system	screw
Termination	single wires
Degree of protection	IP68
Connection cross-section	2.50 mm <sup>2</sup> / AWG 14
Temperature range from/to	-40 °C / 105 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	43.38
Customs tariff number	85369010
Country of Origin	DE

### Electrical parameters

Rated voltage	63 V
Rated impulse voltage	1500 V
Rated current	16.0 A
Insulation resistance	> 10 <sup>10</sup> Ω
Pollution degree	3
Overvoltage category	III
Insulating material group	I
EMC compliance	unshielded

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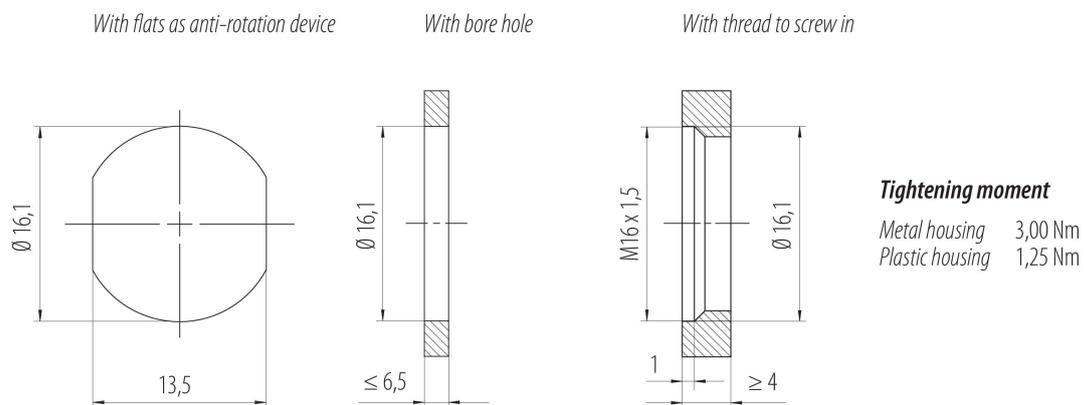
### Material

Housing material	Zinc die-cast nickel-plated
Contact body material	PA
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

### Classifications

ETIM 9.0	EC003569
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### Assembly instructions / Panel cut-out



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### **General Disclaim Notice**

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.

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. 60 cNm).