Product data sheet

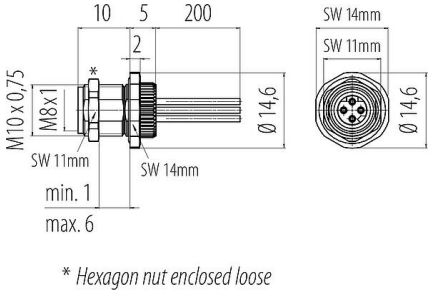
Automation technology - Data transmission

Product description	**M8 Female panel mount connector, Contacts: 4, unshielded, single wires, IP67, M8x1.0, Rear mounting**
Area	**M8-D**
Coding	**D-coded**
Series	**818**
Part no.	**76 6620 1011 00404-0200**

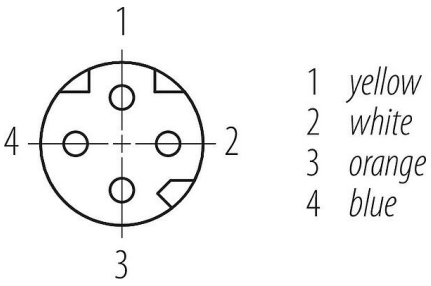
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	76 6620 1011 00404-0200
Connector design	Female panel mount connector
Coding	D-coded
Wire length	0.2 m (Standard 0.2 m. Other lengths are available on request).
Version	Panel mount Connectors
Connector locking system	screw
Termination	single wires
Degree of protection	IP67
Connection cross-section	0.25 mm² / AWG 24
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	9.25
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	63 V
Rated impulse voltage	1500 V
Rated current	4.0 A
Insulation resistance	> 10^8 Ω
Pollution degree	3
Overvoltage category	III
Insulating material group	III
EMC compliance	unshielded

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Material

Housing material	CuZn (Brass nickel plated)
Contact body material	Polymid
Contact material	CuZn (brass lead-free)
Contact plating	Au (gold)
REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

Wire Data - Structure of the wire

Cross section (mm²)	4 x 0.25 mm²
Cross section (AWG)	4 x AWG 24
Wire diameter	1,5 mm
Wire colors	white yellow blue orange
Sheath material	PVC
Wire material	Cu (tinned)
Wire structure	7 x 0.203 mm

Wire Data - Electrical properties

Rated voltage	300 V
Rated impulse voltage	3000 V
Wire resistance	90 Ω/Km (20°C)
Insulation resistance	20.0 MΩ/Km (20 °C)

Wire Data - Thermal properties

Temperature range wire in move from / to (°C)	-10 °C / 105 °C
Temperature range wire fixed from / to (°C)	-30 °C / 105 °C

Declarations of conformity

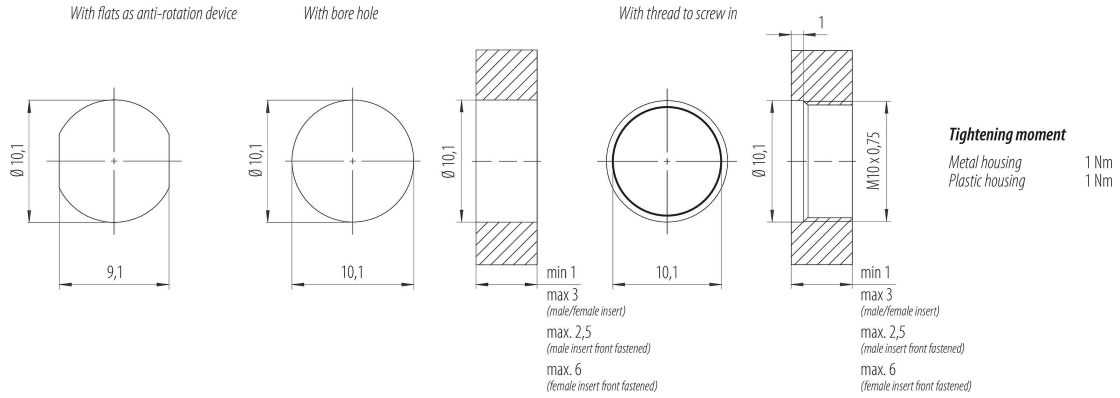
RoHS Directive	EN IEC 63000:2018

Product data sheet

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Assembly instructions / Panel cut-out



Tightening moment

Metal housing	1 Nm
Plastic housing	1 Nm

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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.

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. 40 cNm).