

Date: 03.10.2026

Product data sheet

Automation technology - Data transmission



Product description	M8 Male panel mount connector, Contacts: 4, unshielded, single wires, IP67, M8x1.0, Front mounting
Area	M8-D
Coding	D-coded
Series	818
Part no.	76 6221 0011 00404-0200

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
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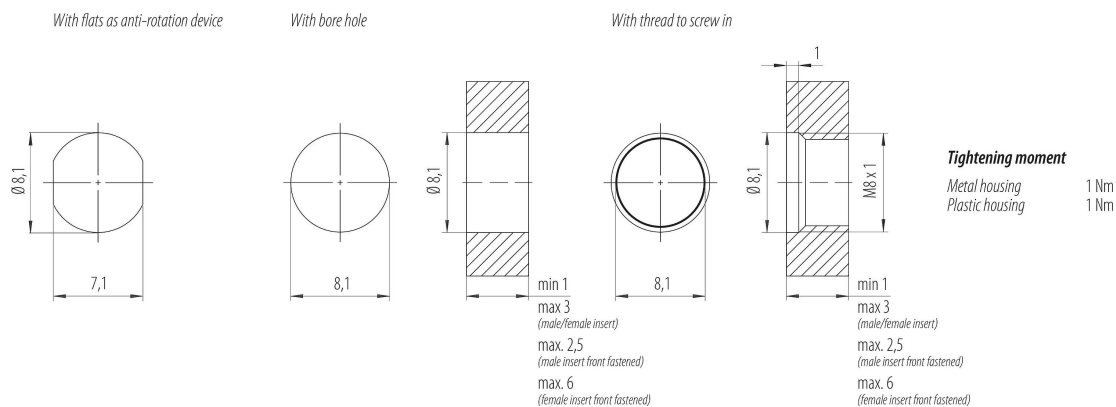
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Assembly instructions / Panel cut-out



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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).