

Product data sheet

Automation technology - Voltage and Power Supply



Product description **M12 Male panel mount connector, Contacts: 4, unshielded, single wires, IP68, UL, M20x1.5**

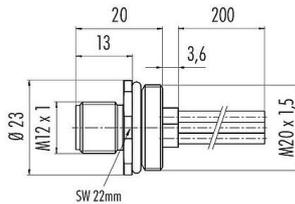
Area **series 813**

Part no. **76 0439 0115 00044-0200**

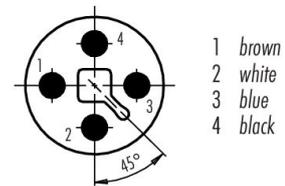
Illustration



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	76 0439 0115 00044-0200
	Alternative part no.: 09 0631 642 04
Notice	Please note that, due to the change from the old to the new order number, there may be deviations in the technical specifications. For questions about product details, please use the 'Contact Customer Service' form on the right.
Connector design	Male panel mount connector
Type standard	DIN EN IEC 61076-2-111:2018-10; VDE 0687-76-2-111:2018-10
Wire length	0.2 m (Standard 0.2 m. Other lengths are available on request).
Version	Connector pin straight
Connector locking system	screw
Termination	single wires
Degree of protection	IP68
Connection cross-section	1.38 mm ² / AWG 16
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	30.63
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	63 V
Rated impulse voltage	1500 V
Rated current	12.0 A
Pollution degree	3
Overvoltage category	III

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Insulating material group **II**
 EMC compliance **unshielded**

Material

Contact body material **PA**
 Contact material **CuZn (brass)**
 Contact plating **Au (gold)**
 REACH SVHC **CAS 7439-92-1 (Lead)**
 SCIP number **80783c68-1978-46f0-9581-02159c74d150**
 PFAS present **yes**

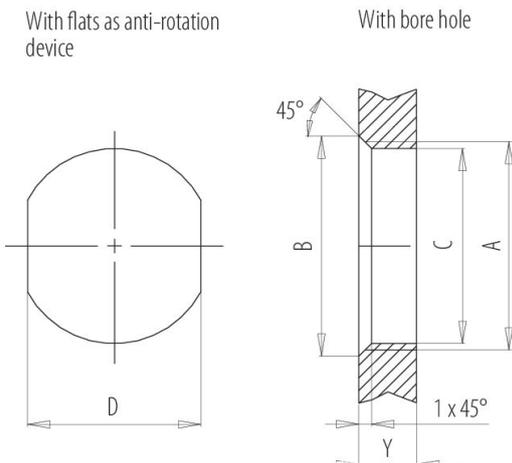
Authorization/approvals

Approvals **UL**

Classifications

eCl@ss 11.1 **27-44-01-09**
 ETIM 9.0 **EC003569**

Assembly instructions / Panel cut-out



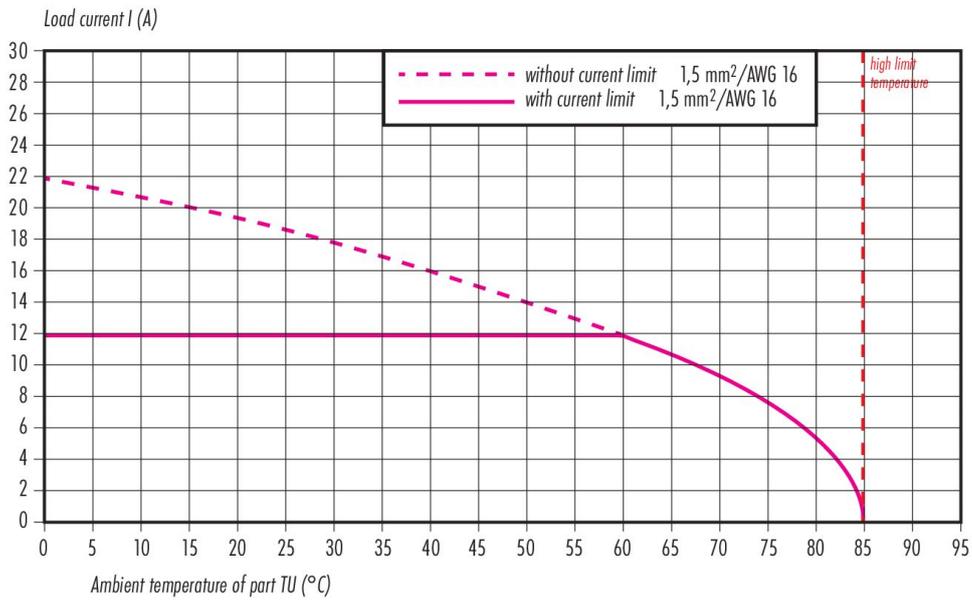
Thread	Measures			Tightening torque	
	B (mm)	C (mm)	D (mm)	Metal	Plastic
M16 x 1,5	17,0	16,1	13,5	1,25 Nm	1,25 Nm
M20 x 1,5	21,6	20,1	17,8	2 Nm	1,25 Nm

Thickness of wall Y (mm)		
Version	min (mm)	max (mm)
Fastened from rear	2	3,5
Front fastened	2	4,5
Screw clamp	2	3,5

Installation direction: o-ring sits on chamfer.

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Derating curve



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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. 60 cNm).