Product data sheet

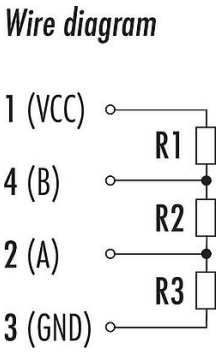
Automation technology - Data transmission

Product description	**M12 Male terminating connector, Contacts: 4, unshielded, IP69K, Profibus, PUR**
Area	**M12-B**
Coding	**B-coded**
Series	**766**
Part no.	**77 9835 0000 00004**

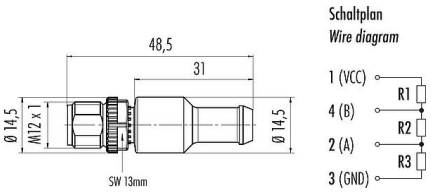
Illustration (may vary)



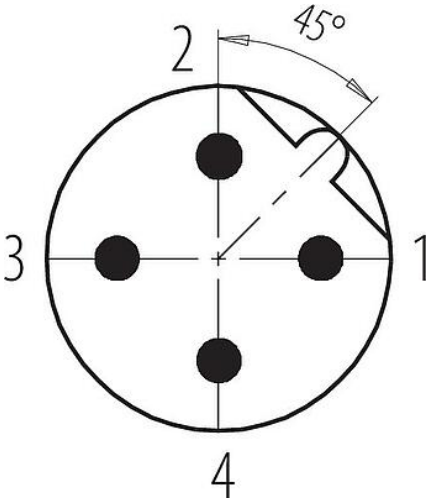
Pin assignment plans



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 9835 0000 00004 Alternative part no.: 79 4329 109 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 terminating connector

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Type standard	DIN EN 61076-2-101
Coding	B-coded
Version	Connector pin straight
Connector locking system	screw
Degree of protection	IP69K
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	9.58
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	1500 V
Rated current	4.0 A
Insulation resistance	> 10^{8} Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

Material

Housing material	PUR
Contact body material	PUR
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	6cc2faa4-858c-4022-823b-302c2973436d

Cable data - Structure of the cable

Cable type	Profibus
Sheath material	PUR
Single-lead structure	42 x 0.10 mm

Cable data - Other features

Halogen free	yes

Classifications

eCl@ss 11.1	27-06-03-11
ETIM 9.0	EC002638

Declarations of conformity

Low Voltage Directive	EN 60529:1991

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Ecodesign Directive	2009/125/EG

Date: 03.10.2026

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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).