

Product data sheet

Automation technology - data transmission

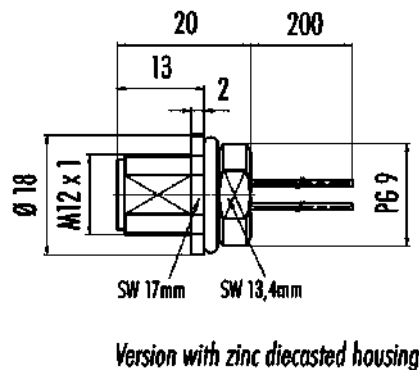


Product description	M12-B Male panel mount connector, Contacts: 4, unshielded, single wires, IP68, PG 9
Area	M12-B series 766
Part no.	09 4431 00 04

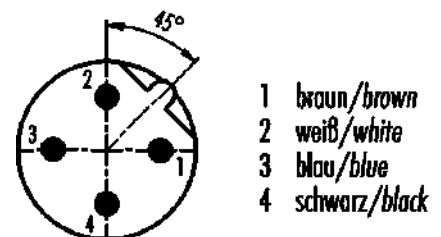
Illustration



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	09 4431 00 04
Connector design	Male panel mount connector
Wire length	0.2 m
Version	Connector pin straight
Connector locking system	screw
Termination	single wires
Degree of protection	IP68
Cross-sectional area	0.25 mm ² / AWG 24
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	11.35
Customs tariff number	85369010

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	2500 V
Rated current (40 °C)	4.0 A
Insulation resistance	> 10 ⁹ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

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Material

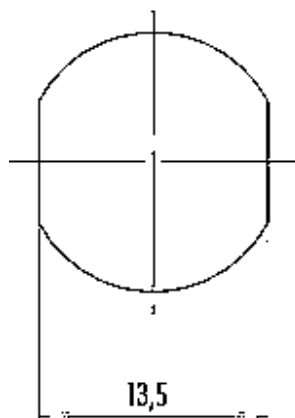
Housing material	Zinc die-cast nickel-plated
Contact body material	PA black
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	a7319fa7-a4ba-4354-bdf0-7962d6ffe70d

Classifications

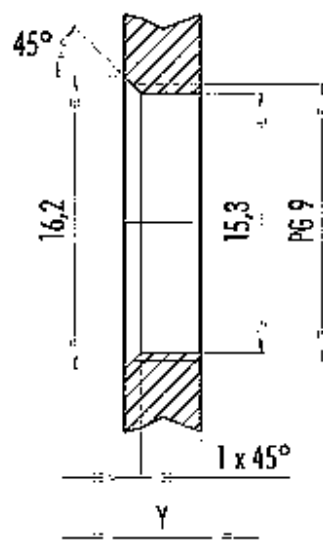
eCl@ss 11.1	27-44-01-03
ETIM 7.0	EC003570

Assembly instructions / Panel cut-out

With flats as anti-rotation device



With bore hole



Installation direction: o-ring sits on chamfer.

Tightening moment

Metal housing/Plastic housing 1,25 Nm

Thickness of wall Y (mm)		
Version	min (mm)	max (mm)
Fastened from rear	2	3,5
Front fastened	2	4,5
positioning possible ¹⁾	2	3,5
Screw clamp	2	3,5
Thread M12 x 1	2	3,0
Thread M14 x 1 ²⁾	³⁾ 1,5/ ⁴⁾ 2	6,5

Notes

¹⁾ Do not attach a chamfer

²⁾ Wall thickness:

use nut 38 5385 100 001 up to 1,5 mm,
>1,5 mm cut thread

³⁾ Nut

⁴⁾ Thread in wall of housing

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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.

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. For further information on the IP protection classes, please refer to the "Technical Information" download centre.