

Product description	M12-A male panel mount connector, Contacts: 8, unshielded, single wires, IP68, UL, PG9
Area	M12-A series 713
Order number	76 0131 0011 00008-0200

Illustration	Scale drawing	Contact arrangement (Plug-in side)																		
		<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>shielded</th> <th>not shielded</th> </tr> </thead> <tbody> <tr><td>1 white</td><td>1 white</td></tr> <tr><td>2 brown</td><td>2 brown</td></tr> <tr><td>3 green</td><td>3 green</td></tr> <tr><td>4 yellow</td><td>4 yellow</td></tr> <tr><td>5 grey</td><td>5 grey</td></tr> <tr><td>6 pink</td><td>6 pink</td></tr> <tr><td>7 blue</td><td>7 blue</td></tr> <tr><td>8 red</td><td>8 shield</td></tr> </tbody> </table> <p style="text-align: center;">Housing-shield</p>	shielded	not shielded	1 white	1 white	2 brown	2 brown	3 green	3 green	4 yellow	4 yellow	5 grey	5 grey	6 pink	6 pink	7 blue	7 blue	8 red	8 shield
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You can find the assembly instructions on the next page.

Technical data

General features

Order number	76 0131 0011 00008-0200
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
Wire length	0,2 m
Version	connector male 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)	14.855
Customs tariff number	85369079

Electrical parameters

Rated voltage	30 V
Rated impulse voltage	800 V
Rated current (40 °C)	1.5 A
Insulation resistance	> 10 ⁸ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	III
EMC compliance	unshielded

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)

Authorization/approvals

Approval 1	UL
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Classifications

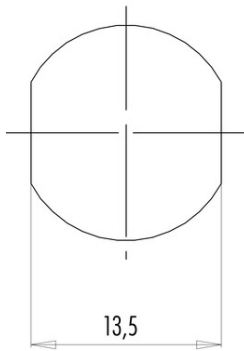
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ETIM 7.0	EC003570

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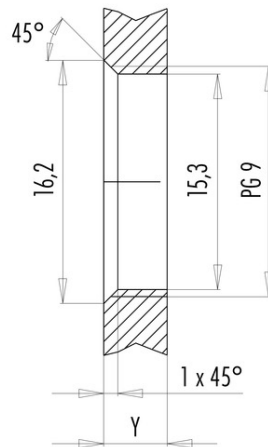
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Assembly instructions / Panel cut-out

With flats as anti-rotation device



With bore hole



Installation direction: o-ring sits on chamfer.

Tightening moment

Metall 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 locknut 01-5385 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 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.

Plug connectors with enclosure protection IP 67 and IP 68 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.