Product data sheet

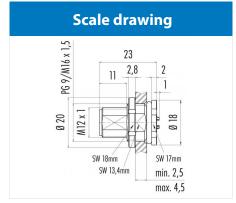
Automation technology - sensors and actuators

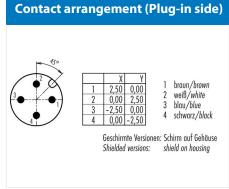


Product description M12-A male panel mount connector, Contacts: 4, not shielded, solder, IP68, UL, PG9, front mounting

Area **M12-A series 713**Order number **86 0531 1002 00004**

Illustration





You can find the assembly instructions on the next page.

Technical data

General values

Connector design
Connector locking system
Termination
Wire gauge (mm)
Wire gauge (AWG)
Upper limit temperature
Lower limit temperature
Customs tariff number
Packaging Unit

Cable data

Approval 1

male panel mount connector

screw solder 0.34 mm² 22 85 °C – 40 °C 85369010 20

UL

Electrical values

Rated current (40 °C)
Rated voltage
Rated impulse voltage
Pollution degree
Overvoltage category
Insulating material group
Insulation resistance
EMC compliance
Degree of protection
Mechanical operation

Material

Contact material Contact plating Contact body material Housing material REACH SVHC CuZn (brass) Au (gold) PA

4 A (3 A UL)

250 V

П

2500 V

 $> 10^{8} \, \Omega$

IP68

not shielded

> 100 Mating cycles

Zinc die-cast nickel-plated CAS 7439-92-1 (Lead)

Product data sheet

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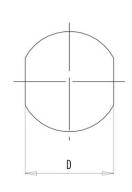
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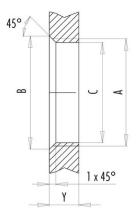
Area M12-A series 713
Order number 86 0531 1002 00004

Assembly instructions / Panel cut-out

With flats as anti-rotation device

With bore hole





Installation direction: o-ring sits on chamfer.

Thread	Measures			Tightening torque	
A	B (mm)	C (mm)	D (mm)	Metal housing/ Positioning sleeve	Plastic housing/ Positioning sleeve
PG 9	16,2	15,3	13,5	1,25 Nm	1,25 Nm
PG 11	20,2	18,7	17,0	2 Nm	-
PG 13,5	21,5	20,5	_	2 Nm	_
M12 x 0,5	-	12,1	_	-	0,4 Nm
M12 x 1	-	12,2	_	1 Nm	_
M14 x 1	15,2	14,2	_	1,25 Nm	_
M16 x 1,5	17,0	16,1	13,5	1,25 Nm	1,25 Nm
M20 x 1,5	21,0	20,1	-	2 Nm	1,25 Nm

Thickness of wall Y (mm)					
Version	min (mm)	max (mm)			
Fastened from back side	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 connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

