Product data sheet

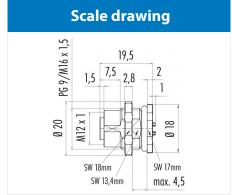
Automation technology - sensors and actuators

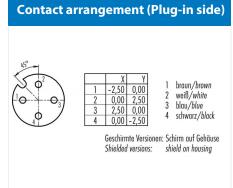


Product description M12-A female panel mount connector, Contacts: 4, not shielded, solder, IP68, UL, PG9, front mounting

Area **M12-A series 713**Order number **86 0532 1002 00004**

Illustration





You can find the assembly instructions on the next page.

Technical data

General values

Notice

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

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. female panel mount connector screw solder 0.34 mm² 22 85 ℃ – 40 °C 85369010 20

UL

Electrical values

Rated current (40 °C) 4 A (3 A UL) Rated voltage 250 V Rated impulse voltage 2500 V Pollution degree Overvoltage category Ш Insulating material group $> 10^{8} \, \Omega$ Insulation resistance not shielded EMC compliance IP68 Degree of protection Mechanical operation > 100 Mating cycles

Material

Contact material Contact plating Contact body material Housing material REACH SVHC CuSn (bronze) Au (gold) PA

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

Product data sheet

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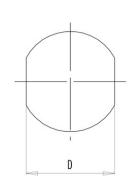
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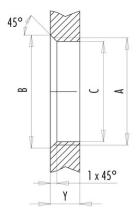
Area **M12-A series 713**Order number **86 0532 1002 00004**

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

Product data sheet

Automation technology - sensors and actuators



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

Area **M12-A series 713**Order number **86 0532 1002 00004**

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.

