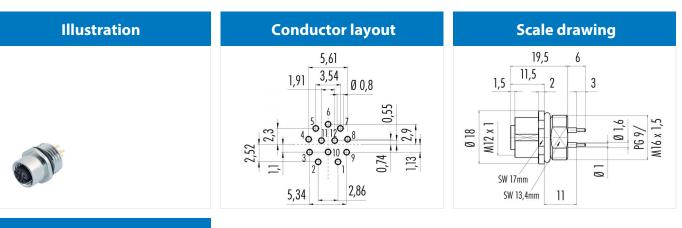
Product data sheet Automation technology - sensors and actuators



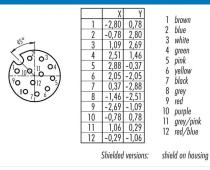
Product description

M12-A female panel mount connector, Contacts: 12, not shielded, dip-solder, IP68, UL, PG9

Area Order number M12-A series 713 86 0132 0000 00012



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General values

Connector design Connector locking system Termination Upper limit temperature Lower limit temperature Customs tariff number Packaging Unit

Cable data

Approval 1

female panel mount connector screw dip-solder 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 $\begin{array}{l} 1.5 \mbox{ A (2 A UL)} \\ 30 \mbox{ V} \\ 500 \mbox{ V} \\ 3 \\ II \\ III \\ > 10^8 \ \Omega \\ not shielded \\ IP68 \\ > 100 \ Mating cycles \end{array}$

CuSn (bronze) Au (gold) PA Zinc die-cast nickel-plated CAS 7439-92-1 (Lead)



Product data sheet Automation technology - sensors and actuators

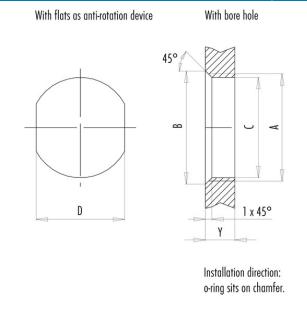


Product description

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Assembly instructions / Panel cut-out



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	Notes		
Version	min (mm)	max (mm)	1) Do not attach a chamfer
Fastened from back side	2	3,5	 Wall thickness:
Front fastened	2	4,5	use locknut 01-5385
Positioning possible 1)	2	3,5	up to 1,5 mm,
Screw clamp	2	3,5	>1,5 mm cut thread
Thread M12 x 1	2	3,0	3) Nut
Thread M14 x 1 ²⁾	3)1,5/4)2	6,5	4) Thread in wall of housing



Product data sheet Automation technology - sensors and actuators



Product description

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Area Order number M12-A series 713 86 0132 0000 00012

Security notices

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.

