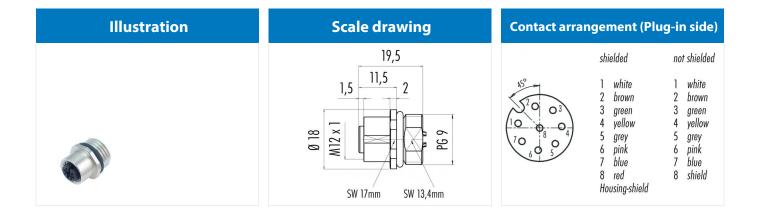
### **Product data sheet** Automation technology - sensors and actuators



Product description

M12-A female panel mount connector, Contacts: 8, shieldable, solder, IP68, UL, PG9

Area Order number M12-A series 713 86 0132 0002 00008



#### 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 0.25 mm<sup>2</sup> 24 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 1.5 A (2 A UL) 30 V 800 V 3 II III > 10<sup>8</sup> Ω shieldable IP68 > 100 Mating cycles

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



# **Product data sheet** Automation technology - sensors and actuators

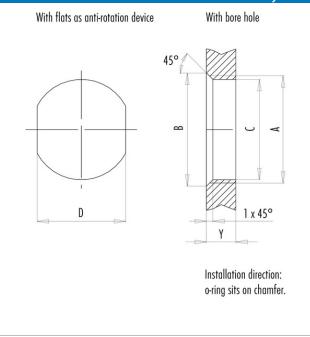


Product description

M12-A female panel mount connector, Contacts: 8, shieldable, solder, IP68, UL, PG9

Area Order number M12-A series 713 86 0132 0002 00008

### Assembly instructions / Panel cut-out



Thread	Measures			Tightening torque	
A	<b>B</b> (mm)	<b>C</b> (mm)	<b>D</b> (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	<ol> <li>Wall thickness:</li> </ol>
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 <sup>2)</sup>	3)1,5/4)2	6,5	4) Thread in wall of housing

# **Product data sheet** Automation technology - sensors and actuators



Product description

M12-A female panel mount connector, Contacts: 8, shieldable, solder, IP68, UL, PG9

Area Order number M12-A series 713 86 0132 0002 00008

### 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.

