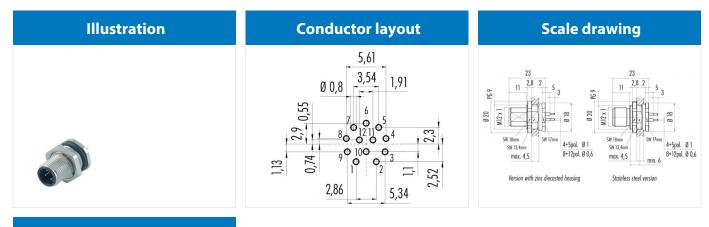


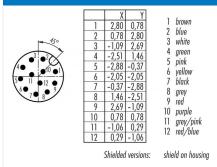
Product description

M12-A male panel mount connector, Contacts: 12, not shielded, dip-solder, IP68, UL, M16x1.5, front mounting

Area Order number M12-A series 713 86 0631 1100 00012



Contact arrangement (Plug-in side)



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

male panel mount connector screw dip-solder 85 °C - 40 °C 85369010 20

UL

You can find the assembly instructions on the next page.

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





Product description

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Area Order number M12-A series 713 86 0631 1100 00012

Technical data

Material

Contact material Contact plating Contact body material Housing material REACH SVHC CuZn (brass) Au (gold) PA Zinc die-cast nickel-plated CAS 80-05-7 (4,4'-isopropylidendiphenol) CAS 7439-92-1 (Lead) CAS 61788-32-7 (Terphenyl, hydrogenated)



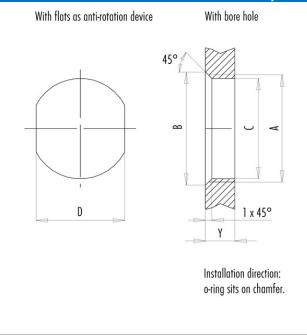


Product description

M12-A male panel mount connector, Contacts: 12, not shielded, dip-solder, IP68, UL, M16x1.5, front mounting

Area Order number M12-A series 713 86 0631 1100 00012

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)	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 description

M12-A male panel mount connector, Contacts: 12, not shielded, dip-solder, IP68, UL, M16x1.5, front mounting

Area Order number M12-A series 713 86 0631 1100 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.

