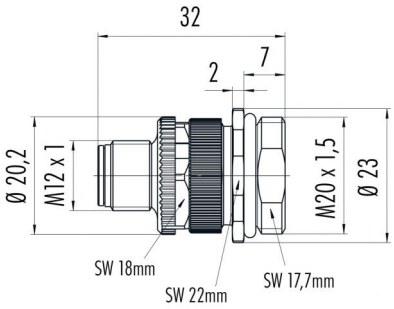
Product data sheet

Automation technology - data transmission and power supply

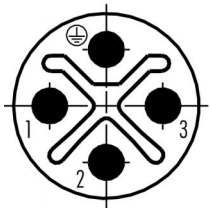
Product description	**M12-S male panel mount connector, Contacts: 3+PE, screw clamp, IP68, UL, VDE, for the power supply**
Area	**M12-S series 814**
Order number	**99 0693 500 04**

Illustration

Scale drawing



Contact arrangement (Plug-in side)



1 black
2 black
3 black
4 yellow/green

You can find the assembly instructions on the next page.

Technical data

General values

Connector design	male panel mount connector
Connector locking system	screw
Termination	screw clamp
Wire gauge (mm)	max. 1.50 mm²
Wire gauge (AWG)	max. 16
Upper limit temperature	85 °C
Customs tariff number	85369010
Packaging Unit	100

Electrical values

Rated current (40 °C)	12 A
Rated voltage	630 V
Rated impulse voltage	6000 V
Pollution degree	3
Overvoltage category	III
Insulating material group	II
Degree of protection	IP68
Mechanical operation	> 100 Mating cycles

Cable data

Approval 1	UL
Approval 2	VDE

Material

Contact material	CuZn (brass)
Contact plating	Au (gold)
Contact body material	PA
Housing material	PA
REACH SVHC	CAS 7439-92-1 (Lead)

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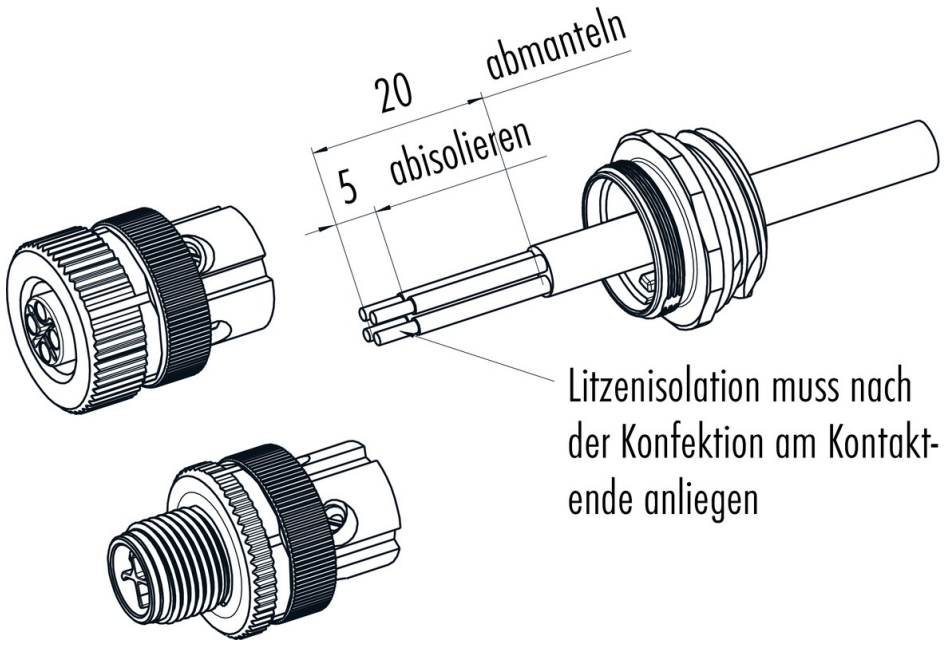
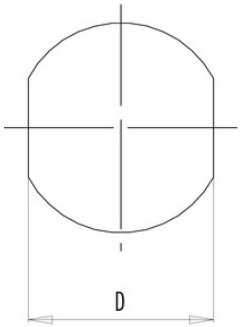
Assembly instructions / Panel cut-out

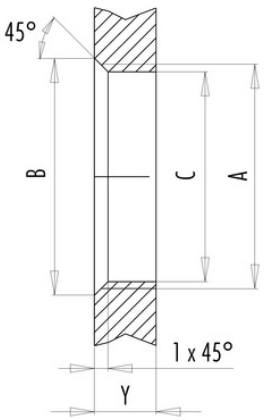


Assembly instructions / Panel cut-out

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
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
Screw clamp	2	3,5

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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.
The end user must take suitable safety measures to ensure that the connector cannot be disconnected accidentally.
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.