SACC-M12MSD-4CON-PG 7-SH - Data connector

1521258

https://www.phoenixcontact.com/in/products/1521258

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Data connector, Ethernet CAT5 (100 Mbps), 4-position, shielded, Plug straight M12, D, Screw connection, knurl material: Nickel-plated brass, cable gland Pg7, external cable diameter 4 mm ... 6 mm

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Screw connection: proven connection technology for a large selection of different conductors
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference

Commercial Data

Item number	1521258
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF2
Product Key	BF2CBI
Catalog Page	Page 236 (C-4-2013)
GTIN	4017918968601
Weight per Piece (including packing)	55.7 g
Weight per Piece (excluding packing)	55.7 g
Customs tariff number	85366990
Country of origin	CN

Technical Data

Notes

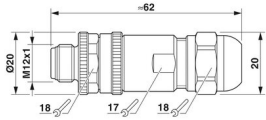|	
General	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling)
Assembly instruction:	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.

Product properties

Product type	Circular connector (cable-side)
Number of positions	4
Application	Data
No. of cable outlets	1
Shielded	yes
Coding	D
Pg screw connection	Pg7

Insulation characteristics	
Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	20 mm
Height	20 mm
Length	62 mm

External dimensions	
Outside diameter	4 mm ... 6 mm

Housing	
Diameter housing	20 mm

Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	Nickel-plated brass
Contact material	CuZn
Contact surface material	Au

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Contact carrier material	PA
Material for screw connection	Nickel-plated brass

Connection data

Conductor connection

Connection method	Screw connection
Connection cross section	0.25 mm² ... 0.75 mm² (without ferrule)
	0.14 mm² ... 0.75 mm² (with ferrule)
	0.25 mm² ... 0.75 mm² (solid)
Connection cross section AWG	24 ... 18 (without ferrule)
	26 ... 20 (with ferrule)
Stripping length of the individual wire	5 mm
Tightening torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure nut with coupling sleeve)

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	4 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Connector

Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12
Coding	D

Cable/line

Signal type/category	Ethernet CAT5 (on the basis of IEC 11801), 100 Mbps
Stripping length of the individual wire	5 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)

Standards and regulations

Standards/specifications	IEC 61076-2-101