SACC-M12FS-12SOL-PG 9-M SH - Connector

1404411

https://www.phoenixcontact.com/in/products/1404411

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Connector, Universal, 12-position, shielded, Socket straight M12, A, Solder connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg9, external cable diameter 6 mm ... 8 mm

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Save space – with high-pos. connectors
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference

Commercial Data

Item number	1404411
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF2
Product Key	BF2CGA
Catalog Page	Page 26 (C-2-2019)
GTIN	4046356693844
Weight per Piece (including packing)	45.68 g
Weight per Piece (excluding packing)	45.68 g
Customs tariff number	85366990
Country of origin	DE

Technical Data

Notes

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.

Mounting

Connection method	Solder connection

Product properties

Product type	Circular connector (cable-side)
Number of positions	12
Sensor type	Universal
No. of cable outlets	1
Shielded	yes
Coding	A
Cable outlet	straight
Pg screw connection	Pg9

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	19.6 mm
Height	19.6 mm
Length	56 mm
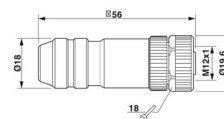
External dimensions

Outside diameter	6 mm ... 8 mm

Housing

Diameter housing	19.6 mm

Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	Zinc die-cast, nickel-plated
Contact material	CuZn

Contact surface material	Au
Contact carrier material	PA
Material for screw connection	Zinc die-cast, nickel-plated

Connection data

Conductor connection

Connection method	Solder connection
Connection cross section	0.08 mm² ... 0.25 mm² (without ferrule)
	0.08 mm² ... 0.25 mm² (solid)
Connection cross section AWG	28 ... 24 (without ferrule)
Stripping length of the individual wire	4 mm
Tightening torque	0.4 Nm (M12 knurl)
	0.8 Nm ... 1 Nm (Pressure screw)

Electrical properties

Min. AWG, flexible, multi-strand	28
Rated surge voltage	0.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	> 10 GΩ
Nominal voltage U_N	30 V AC
	30 V DC
Nominal current I_N	1.5 A (up to 40 °C)

Mechanical properties

Mechanical data
Insertion/withdrawal cycles	≥ 100

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	A

Cable/line

Signal type/category	Universal
Stripping length of the individual wire	4 mm

Environmental and real-life conditions

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

Standards and regulations

M12

Standards/specifications	IEC 61076-2-101