

SACC-M12FS-5CON-PG 7-VA - Connector



1553255

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Connector, Universal, 5-position, Socket straight M12, coding: A, Screw connection, knurl material: Stainless steel 1.4404, 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

Commercial data

Item number	1553255
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF2CAA
Catalog page	Page 23 (C-2-2019)
GTIN	4046356170178
Weight per piece (including packing)	27.5 g
Weight per piece (excluding packing)	25.46 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General

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)
Sensor type	Universal
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	straight
Pg screw connection	Pg7

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing



Length

54 mm

External dimensions

Outside diameter

4 mm ... 6 mm

Housing

Diameter housing

20 mm

Material specifications

Seal material	NBR
Material of grip body	PA
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material for screw connection	Stainless steel 1.4404

Connection data

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Conductor connection

Connection method	Screw connection
Connection cross section	0.25 mm ² ... 0.75 mm ² (without ferrule)
	0.14 mm ² ... 0.75 mm ² (with ferrule)
	0.25 mm ² ... 0.75 mm ² (solid)
Connection cross section AWG	24 ... 18 (without ferrule)
	26 ... 20 (with ferrule)
Stripping length of the individual wire	5 mm
Tightening torque	0.8 Nm ... 1 Nm (Pressure screw)
	0.2 Nm (Screw terminal blocks)
	0.4 Nm (M12 knurl)

Electrical properties

Rated surge voltage	1.5 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
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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	5 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
	IP69K
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)

Standards and regulations

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Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

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