SACC-M12FSB-5CON-PG 9 - Data connector

1533699

https://www.phoenixcontact.com/us/products/1533699

PHŒNIX CONTACT

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Data connector, 5-position, Socket straight M12, coding: B, Screw connection, knurl material: Plastic, cable gland Pg9, external cable diameter 6 mm ... 8 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	1533699
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	BF2CAA
GTIN	4017918992248
Weight per piece (including packing)	16.57 g
Weight per piece (excluding packing)	16.16 g
Customs tariff number	85366990
Country of origin	HU

Technical data

Notes

Assembly note	NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.

Product properties

Product type	Circular connector (cable-side)
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	B
Cable outlet	straight
Pg screw connection	Pg9

Data management status

Article revision	01

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

External dimensions

Outside diameter	6 mm ... 8 mm

Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	PA
Contact material	CuZn
Contact surface material	CuSnZn
Contact carrier material	PA
Material for screw connection	Plastic

Connection data

Conductor connection

Connection method	Screw connection
Connection cross section	0.25 mm² ... 0.75 mm²
Connection cross section AWG	24 ... 18
Stripping length of the individual wire	5 mm
	0.4 Nm (M12 knurl)

| Tightening torque | 0.2 Nm (Screw terminal blocks) |
| | 0.8 Nm ... 1 Nm (Pressure screw with sleeve housing) |

Electrical properties

Contact resistance	≤ 8 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	60 V DC
	48 V AC
Nominal current I_N	4 A

Mechanical properties

Mechanical data

| Insertion/withdrawal cycles | ≥ 50 |

Connector

Connection 1

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

Cable/line

| 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

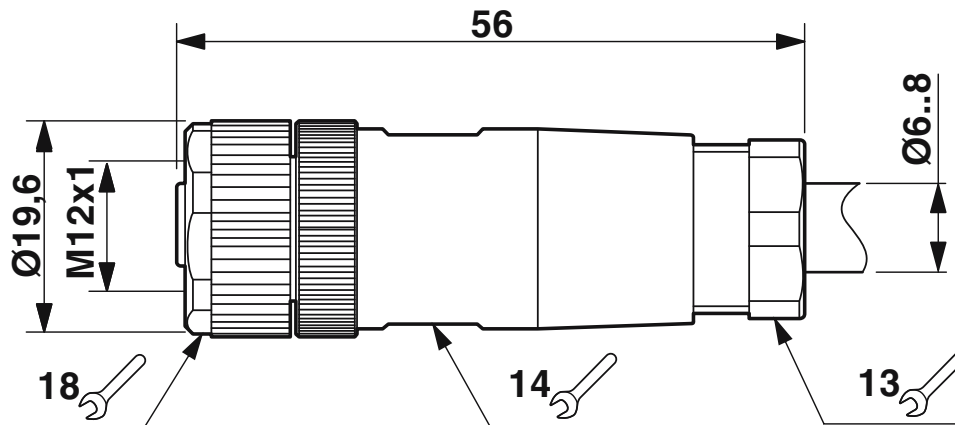| Standard designation | M12 connector |
| Standards/specifications | IEC 61076-2-101 |

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Drawings

Dimensional drawing

M12 x 1 socket, straight

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1533699

cUL Recognized
Approval ID: FILE E 221474

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	4 A	-	-

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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	2363b3db-ac3f-44ce-b0f3-1419ed8dd589