SACC-M12FS-4CON-PG7-M SKIN - Connector

1430381

https://www.phoenixcontact.com/in/products/1430381

Sensor/actuator socket, straight, 4-pos., M12, A-coded, screw connection, metal knurl, cable gland Pg7 SKINTOP®

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	1430381
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF2
Product key	BF2CAA
Catalog page	Page 23 (C-2-2019)
GTIN	4046356315340
Weight per piece (including packing)	26.44 g
Weight per piece (excluding packing)	26.44 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Assembly note	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	4
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	straight
Pg screw connection	Pg7
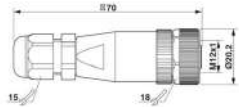
Data management status

Article revision	00

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	20.2 mm
Height	20.2 mm
Length	70 mm

External dimensions

Outside diameter	4 mm ... 6 mm

Housing

Diameter housing	20.2 mm

Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	PBT
Contact material	CuZn

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

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 screw)

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	≤ 8 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	250 V AC
	250 V DC
Nominal current I_N	4 A

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	5 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67

Ambient temperature (operation)	-20 °C ... 80 °C (Plug / socket)

Standards and regulations

M12

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

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Drawings

Schematic diagram
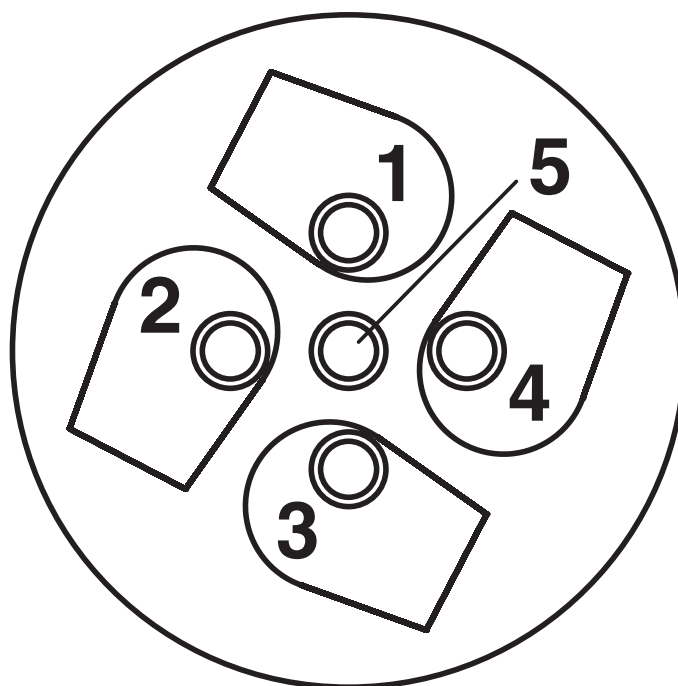
Cable connection side M12 (screw connection)

Schematic diagram

3 **4**

2 **1**
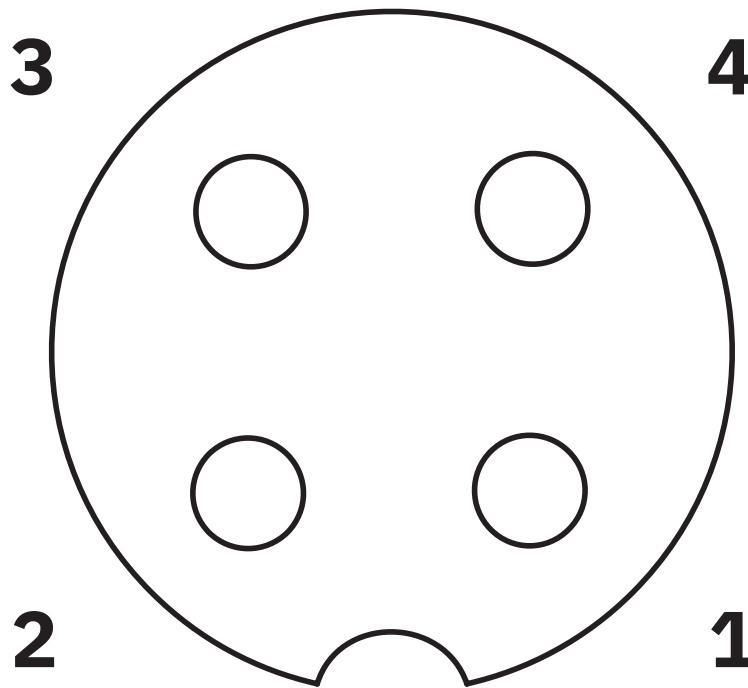
Pin assignment M12 socket, 4-pos., A-coded, view female side

Dimensional drawing

70

M12x1 Ø20,2

15 **18**
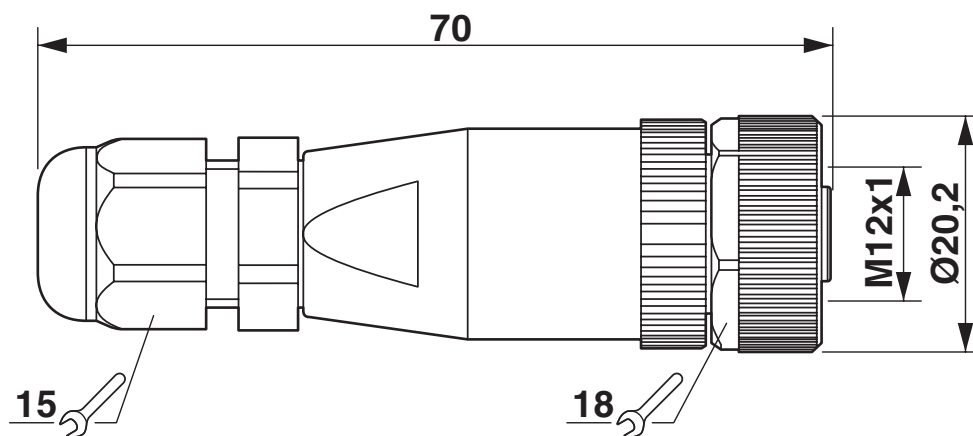
M12 x 1 socket, straight

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/in/products/1430381

	EAC
	Approval ID: RU C-DE.BL08.B.00511

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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	b04fc7a9-f6b6-4ee4-8010-e426a113b207

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Accessories

PROT-M12 MS-PA-CHAIN - Screw plug

1430899

https://www.phoenixcontact.com/in/products/1430899

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets

SAC-4P-100,0-PUR/0,25 - Cable reel

1501692

https://www.phoenixcontact.com/in/products/1501692

By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 4-wire, color single wire: brown, white, blue, black, cable length: 100 m

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SAC-4P-100,0-PUR/0,34 - Cable reel

1501663

https://www.phoenixcontact.com/in/products/1501663

By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 4-wire, color single wire: brown, white, blue, black, cable length: 100 m

SAC-4P-100,0-186/0,75 - Cable reel

1457461

https://www.phoenixcontact.com/in/products/1457461

By the meter, Cable reel, PUR, black-gray RAL 7021, 4-wire, color single wire: brown, white, blue, black, cable length: 100 m

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TSD 04 SAC - Torque screwdriver

1208429

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Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

TSD-M 1,2NM - Torque screwdriver

1212224

https://www.phoenixcontact.com/in/products/1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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TSD-M SAC-BIT ADAPTER - Adapter insert

1212600

https://www.phoenixcontact.com/in/products/1212600

Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

SACC BIT M12-D20 - Tool

1208445

https://www.phoenixcontact.com/in/products/1208445

Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

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SZF 1-0,6X3,5 - Screwdriver

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip