SACC-M12MS-5CON-PG7-M SKIN - Connector

1456466

https://www.phoenixcontact.com/us/products/1456466

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Sensor/actuator connector, straight, 5-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	1456466
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	AF2CAA
GTIN	4046356616836
Weight per piece (including packing)	25.26 g
Weight per piece (excluding packing)	25.26 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.

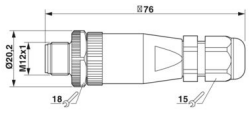
Product properties

Product type	Circular connector (cable-side)
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A
Pg screw connection	Pg7

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	20.2 mm
Height	20.2 mm
Length	76 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	1.5 kV
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	A

Interfaces

Signal type/category	Universal

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-20 °C ... 80 °C (Plug / socket)

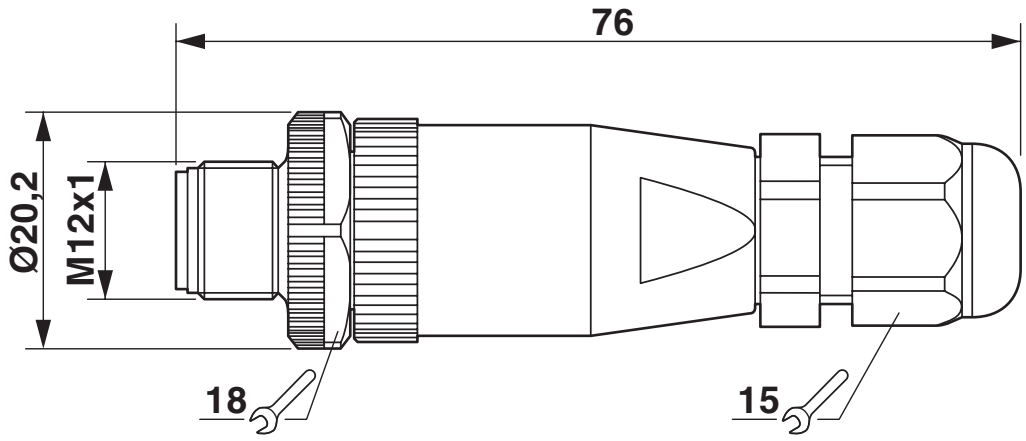
Standards and regulations

M12

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

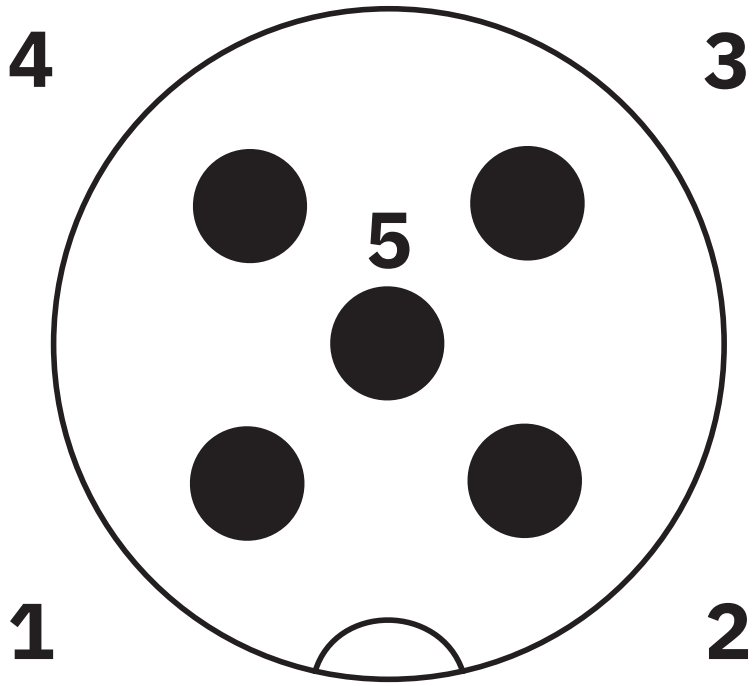
Drawings

Dimensional drawing



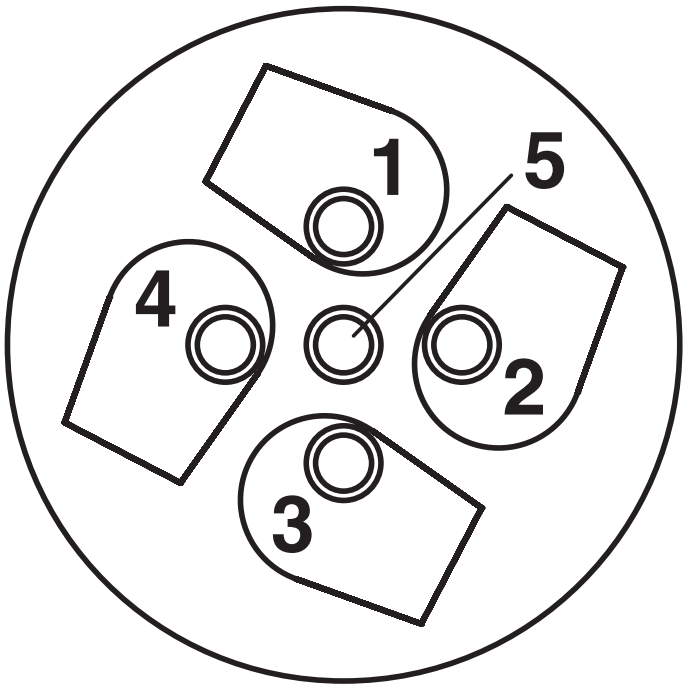
Plug, M12 x 1, straight

Schematic diagram



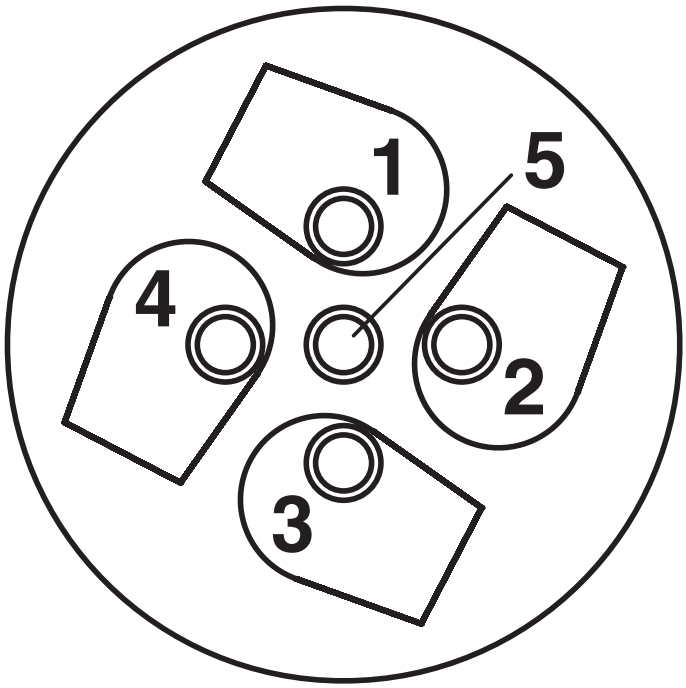
Pin assignment M12 male connector, 5-pos., A-coded, male side

Schematic diagram



Cable connection side M12 (screw connection)

Schematic diagram



Cable connection side M12 (screw connection)

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	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	8e62e57f-d971-489d-81aa-a19bc48d6397

EF3.1 Climate Change

CO2e kg	0.704 kg CO2e

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