SACC-MR-5CON-PG 9-M SCO - Connector

1543003

https://www.phoenixcontact.com/us/products/1543003

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Connector, Universal, 5-position, Plug angled M12 SPEEDCON, coding: A, Screw connection, knurl material: Brass, 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 time, thanks to installation with SPEEDCON fast locking system
- Screw connection: proven connection technology for a large selection of different conductors

Commercial data

Item number	1543003
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	AF2CAA
GTIN	4046356097635
Weight per piece (including packing)	26 g
Weight per piece (excluding packing)	24.8 g
Customs tariff number	85366990
Country of origin	DE

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.

Mounting

Assembly note	The connector pin assignment can be rotated 90° to the cable outlet

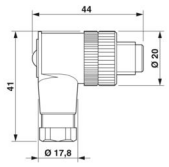
Product properties

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

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	
Length	41 mm

External dimensions

Outside diameter	6 mm ... 8 mm

Housing

Diameter housing	20 mm

Material specifications

Flammability rating according to UL 94	HB
Material grommet GRP	NBR
Material of grip body	PBT
Contact material	CuZn
Contact surface material	CuSnZn

Contact carrier material	PA
Material for screw connection	Brass, 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 with sleeve housing)

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 8 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

Connector

Connection 1

Head design	Plug
Head cable outlet	angled
Head thread type	M12
Head locking type	SPEEDCON
Coding	A

Interfaces

Signal type/category	Universal

Environmental and real-life conditions

Ambient conditions

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

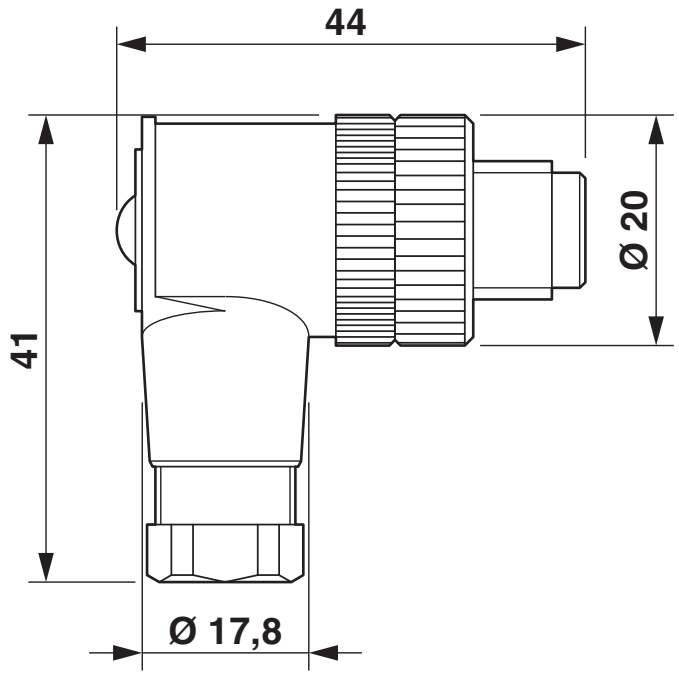
connector)	

Standards and regulations

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

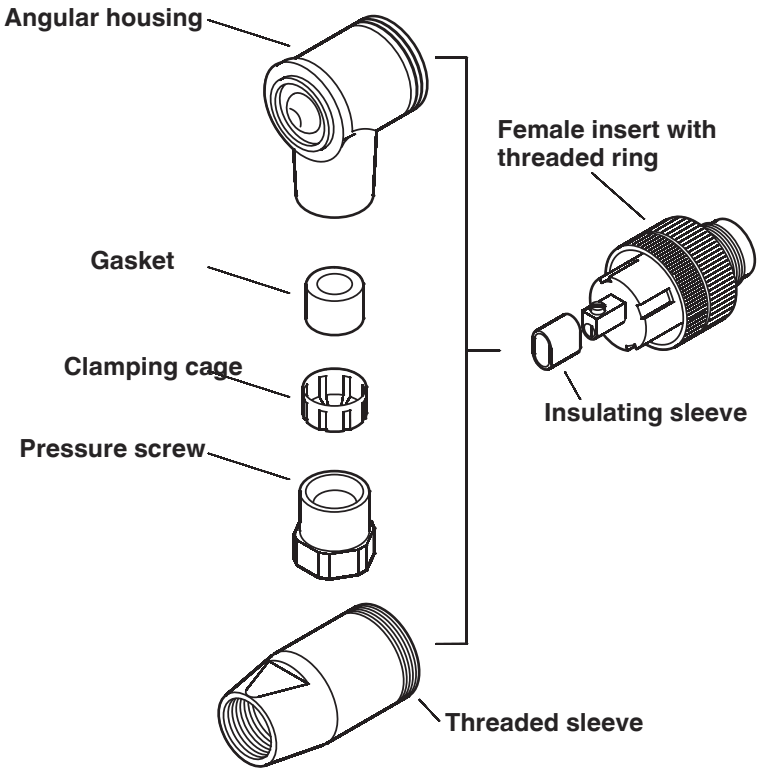
Drawings

Dimensional drawing



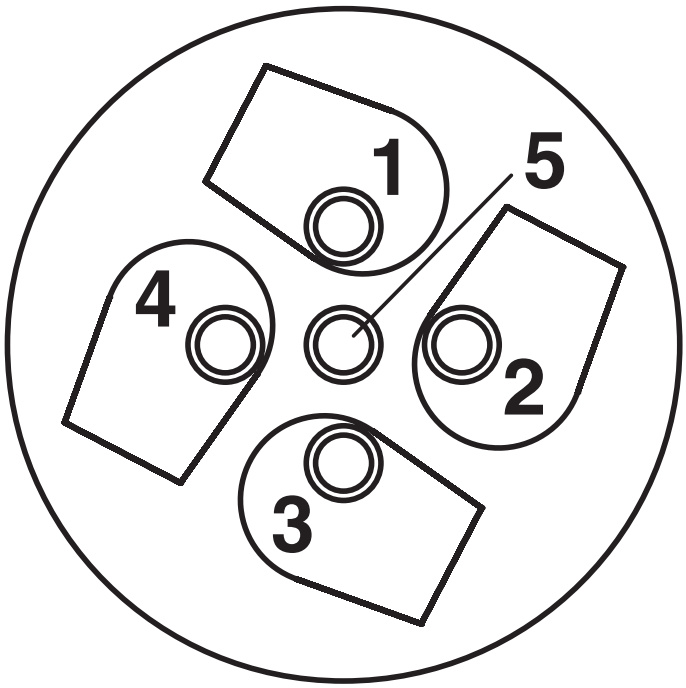
M12 x 1 male plug, angled

Schematic diagram



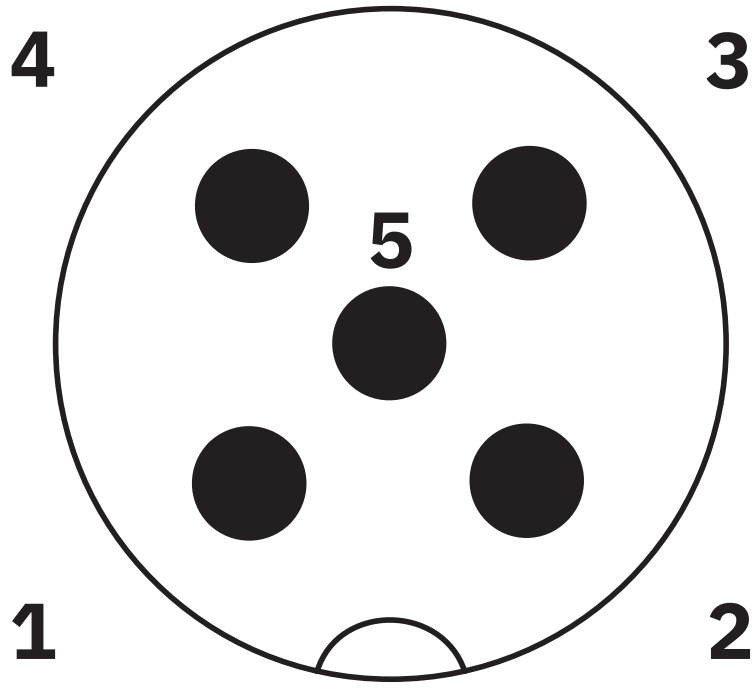
Male/Female M12

Schematic diagram



Cable connection side M12 (screw connection)

Schematic diagram



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

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	ac5687d4-e4fc-4398-a135-5f8f53ca33a2

EF3.1 Climate Change

CO2e kg	0.755 kg CO2e

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com