

SACC-M12MSD-4CON-PG 9-SH - Data connector



1521261

<https://www.phoenixcontact.com/au/products/1521261>

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.



Data connector, Ethernet CAT5 (100 Mbps), 4-position, shielded, Plug straight M12, coding: D, 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
- Screw connection: proven connection technology for a large selection of different conductors
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference

Commercial data

Item number	1521261
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AF2CBI
Product key	AF2CBI
Catalog page	Page 236 (C-4-2013)
GTIN	4017918968618
Weight per piece (including packing)	55.866 g
Weight per piece (excluding packing)	55.8 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

General	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling)
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.

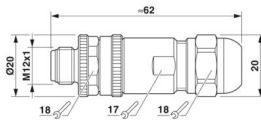
Product properties

Product type	Circular connector (cable-side)
Application	Data
Sensor type	Ethernet
Number of positions	4
No. of cable outlets	1
Shielded	yes
Coding	D
Pg screw connection	Pg9

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	20 mm
Height	20 mm
Length	62 mm

External dimensions

Outside diameter	6 mm ... 8 mm
------------------	---------------

Housing

Diameter housing	20 mm
------------------	-------

Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	Brass, nickel-plated
Contact material	CuZn

SACC-M12MSD-4CON-PG 9-SH - Data connector



1521261

<https://www.phoenixcontact.com/au/products/1521261>

Contact surface material	Au
Contact carrier material	PA
Material for screw connection	Brass, nickel-plated

Connection data

Conductor connection

Connection method	Screw connection
Connection cross section	0.25 mm ² ... 0.75 mm ² (without ferrule)
	0.14 mm ² ... 0.5 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	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure nut with coupling sleeve)

Electrical properties

Rated surge voltage	2.5 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
-----------------------------	-------

Connector

Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12
Coding	D

Cable/line

Signal type/category	Ethernet CAT5 (based on IEC 11801), 100 Mbps
Stripping length of the individual wire	5 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
----------------------	------

SACC-M12MSD-4CON-PG 9-SH - Data connector



1521261

<https://www.phoenixcontact.com/au/products/1521261>

Ambient temperature (operation) (male connector/female connector)

-40 °C ... 85 °C (Plug / socket)

Standards and regulations

Standard designation

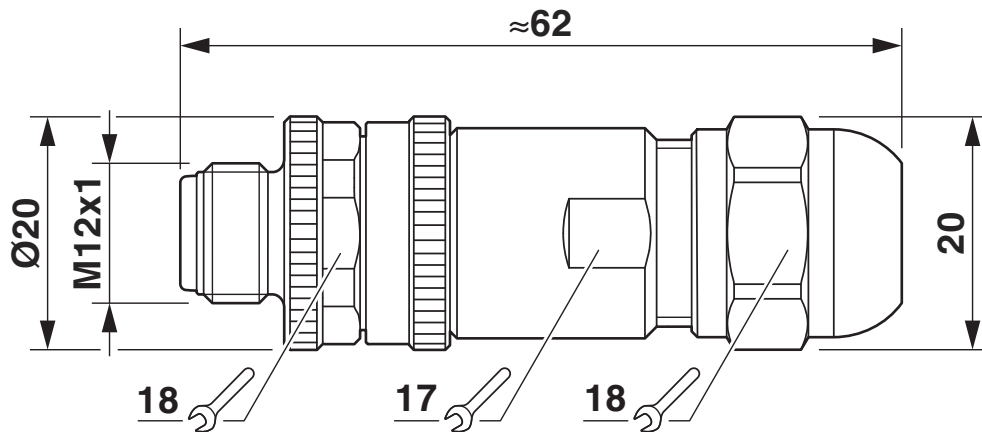
M12 connector

Standards/specifications

IEC 61076-2-101

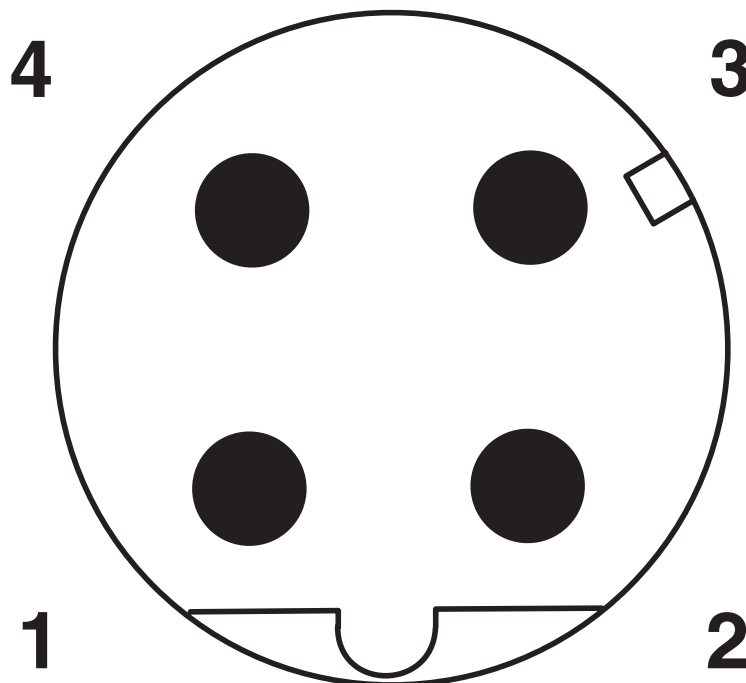
Drawings

Dimensional drawing



Plug, M12 x 1, straight, shielded

Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side

SACC-M12MSD-4CON-PG 9-SH - Data connector





1521261

<https://www.phoenixcontact.com/au/products/1521261>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/au/products/1521261>

	cUL Recognized Approval ID: FILE E 221474			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	250 V	4 A	-	-

	UL Recognized Approval ID: FILE E 221474			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	250 V	4 A	-	-

SACC-M12MSD-4CON-PG 9-SH - Data connector



1521261

<https://www.phoenixcontact.com/au/products/1521261>

Classifications

ECLASS

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	f3597e56-4b07-4c22-b732-db5ccf5e6c4b