

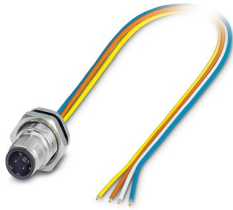
SACC-DSI-MSD-4CON-PG9/0,5 SCO - Device connector, rear mounting



1551532

<https://www.phoenixcontact.com/in/products/1551532>

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.



Device connector, rear mounting, PROFINET, 4-position, Flush-type male connector, straight, M12-SPEEDCON, coding: D , on free cable end, Rear mounting, Pg9, Individual wires, cable length: 0.1 m, 0.34 mm², TPE litz wire, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239988

Commercial Data

Item number	1551532
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	ABQ
Product Key	ABQCDG
Catalog Page	Page 46 (C-2-2019)
GTIN	4046356153607
Weight per Piece (including packing)	23.1 g
Weight per Piece (excluding packing)	22.6 g
Customs tariff number	85444290
Country of origin	DE

SACC-DSI-MSD-4CON-PG9/0,5 SCO - Device connector, rear mounting



1551532

<https://www.phoenixcontact.com/in/products/1551532>

Technical Data

Notes

Notes on operation

The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.

Safety note

Safety note

WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.

- **WARNING:** Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.

- **WARNING:** Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.

- The products are suitable for applications in plant, controller, and electrical device engineering.

- When operating the connectors in outdoor applications, they must be separately protected against environmental influences.

- Assembled products may not be manipulated or improperly opened.

- Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)).

- When using the product in direct connection with third-party manufacturers, the user is responsible.

- For operating voltages > 50 V AC, conductive connector housings must be grounded

- Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.

- Observe the corresponding technical data. You will find information:

- o On the product
- o On the packing label
- o In the supplied documentation
- o Online at [phoenixcontact.com/products](https://www.phoenixcontact.com/products) under the product

- Only use tools recommended by Phoenix Contact

- Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)

SACC-DSI-MSD-4CON-PG9/0,5 SCO - Device connector, rear mounting



1551532

<https://www.phoenixcontact.com/in/products/1551532>

	<ul style="list-style-type: none">• Ensure that the protective or functional ground has been properly connected.• VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector• The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).
--	---

Mounting

Mounting type	Rear mounting Pg9 With flat nut
Assembly instructions	With flat nut
Connection method	Individual wires

Product properties

Product type	Circular connectors (device side)
Number of positions	4
Sensor type	PROFINET
No. of cable outlets	1
Shielded	no
Coding	D

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated
Conductor material	Tin-plated Cu litz wires

Electrical properties

Rated surge voltage	6 kV AC
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	630 V (AC) 250 V (DC)
Nominal current I _N	12 A

Connection data

SACC-DSI-MSD-4CON-PG9/0,5 SCO - Device connector, rear mounting



1551532

<https://www.phoenixcontact.com/in/products/1551532>

Conductor connection

Connection method	Individual wires
Type of contact	Crimp contacts
Conductor cross section	0.34 mm ²
Tightening torque	2 Nm
	3 Nm

Connector

Connection 1

Head design	Flush-type male connector
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	D

Connection 2

Head design	free cable end
-------------	----------------

Cable/line

Cable length	0.1 m
Cable type	TPE litz wire
Signal type/category	PROFINET
Wire diameter incl. insulation	1.2 mm ±0.07 mm
Single wire, color	yellow, orange, white, blue
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.25 mm
AWG signal line	22
Material wire insulation	TPE
Thickness, insulation	0.21 mm
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Cable resistance	≤ 57.6 mΩ/m
Cable insulation resistance	≥ 20 MΩ*km
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/IP67
	-25 °C ... -85 °C

SACC-DSI-MSD-4CON-PG9/0,5 SCO - Device connector, rear mounting



1551532

<https://www.phoenixcontact.com/in/products/1551532>

Ambient temperature (operation)	-40 °C ... 85 °C (without mechanical actuation)
	-25 °C ... 85 °C (Cable, flexible installation)
	-40 °C ... 85 °C (cable, fixed installation)

Standards and regulations

M12

Standards/specifications	based on IEC 61076-2-111
--------------------------	--------------------------

Phoenix Contact 2023 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in