

SACC-DSI-M12FS-8CON-PG9/0,5 P - Device connector rear mounting



1436369

<https://www.phoenixcontact.com/us/products/1436369>

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, Universal, 8-position, Socket, straight, M12-Standard, A-coding, on free cable end, Individual wires, cable length: 0.5 m, 0.25 mm², TPE litz wire

Your advantages

- Preassembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- Standard pin assignments and codings for signal transmission with a uniform design-in design
- For high transmission safety: shield connection to the housing with optional EMC nut

Commercial data

Item number	1436369
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB24
Product key	ABQCPE
GTIN	4046356438339
Weight per piece (including packing)	20.2 g
Weight per piece (excluding packing)	20.2 g
Customs tariff number	85444290
Country of origin	DE

SACC-DSI-M12FS-8CON-PG9/0,5 P - Device connector rear mounting



1436369

<https://www.phoenixcontact.com/us/products/1436369>

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.
General	Contact connection method: Crimp connection

Mounting

Mounting type	Rear mounting (Pg9, with flat nut)
Tightening torque	1.25 Nm ... 1.5 Nm (Installation-side)

Product properties

Product type	Circular connectors (device side)
Application	Signal
Sensor type	Universal
Number of positions	8
No. of cable outlets	1
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Material Housing	PA 6.6
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	Viton
Flammability rating according to UL 94	HB
Conductor material	Tin-plated Cu litz wires

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	30 V (AC) 30 V (DC)

SACC-DSI-M12FS-8CON-PG9/0,5 P - Device connector rear mounting



1436369

<https://www.phoenixcontact.com/us/products/1436369>

Nominal current I_N	2 A
Max. conductor resistance	80 Ω /km

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Socket
Conductor cross-section	0.25 mm ²
Tightening torque	1.25 Nm ... 1.5 Nm (Installation-side)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Head locking type	Standard
Coding	A

Connection 2

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

Cable/line

Cable length	0.5 m
Cable type	TPE litz wire
Signal type/category	Universal
Wire diameter incl. insulation	1.15 mm \pm 0.07 mm
Single wire, color	brown, blue, white, gray, pink, green, yellow, red
Cable cross section	0.25 mm ²
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	14x 0.15 mm
AWG signal line	24
Material wire insulation	TPE
Thickness, insulation	0.21 mm
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Cable resistance	\leq 80 Ω /km
Cable insulation resistance	\geq 20 M Ω *km
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)

SACC-DSI-M12FS-8CON-PG9/0,5 P - Device connector rear mounting



1436369

<https://www.phoenixcontact.com/us/products/1436369>

	-25 °C ... 85 °C (Cable, flexible installation)
--	---

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Ambient temperature (operation) (Cable, flexible installation)	-25 °C ... 85 °C (Cable, flexible installation)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 85 °C (cable, fixed installation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

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

SACC-DSI-M12FS-8CON-PG9/0,5 P - Device connector rear mounting

1436369

<https://www.phoenixcontact.com/us/products/1436369>

Drawings

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

Circuit diagram



Contact assignment of the M12 socket

SACC-DSI-M12FS-8CON-PG9/0,5 P - Device connector rear mounting



1436369

<https://www.phoenixcontact.com/us/products/1436369>

Classifications

ECLASS

ECLASS-13.0	27440103
ECLASS-15.0	27440103

ETIM

ETIM 10.0	EC003570
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

SACC-DSI-M12FS-8CON-PG9/0,5 P - Device connector rear mounting



1436369

<https://www.phoenixcontact.com/us/products/1436369>

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	96c4901a-fb04-4243-8f29-106c7e4dc3e5

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