SACC-DSI-MS-5CON-L180/12 SCO - Device connector rear mounting

1552311

https://www.phoenixcontact.com/us/products/1552311

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Device connector rear mounting, 5-position, Pin, straight, M12-SPEEDCON, coding: A, Rear mounting, Pg9, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240014

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- SPEEDCON fast locking system reduces cabling times

Commercial data

Item number	1552311
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Sales key	AB26
Product key	ABQEGL
Catalog page	Page 246 (C-2-2013)
GTIN	4046356162166
Weight per piece (including packing)	13.89 g
Weight per piece (excluding packing)	13.89 g
Customs tariff number	85366990
Country of origin	DE

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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.
Order information:	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting Pg9 With flat nut
Assembly note	With flat nut

Product properties

Product type	Circular connectors (device side)
Number of positions	5
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics	
Overvoltage category	II
Degree of pollution	3

Dimensions

Length of the solder pin	12 mm
	12 mm

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

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	60 V
Nominal current I_N	4 A

Connection data

Conductor connection

Connection method	Solder pins
Contact connection type	Pin
Tightening torque	2 Nm ... 3 Nm (Installation-side)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	A

Cable/line

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
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-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
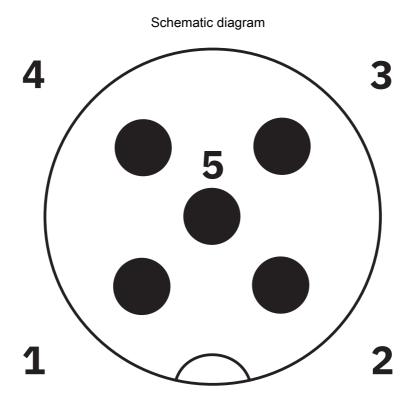
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

Drawings

Schematic diagram

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

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Approvals

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cULus Recognized
Approval ID: E221474-20140616

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	4 A	-	-

UL Recognized
Approval ID: E118976-20100522

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	4 A	22 - 22	-

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
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	2bfb673e-1e1b-4872-9900-bc088f555c2d

Accessories

SACC-PG9-SEAL CLM - Flat gasket

1556320

https://www.phoenixcontact.com/us/products/1556320

Pg9 flat gasket, for M12 flush-type connectors with Pg9 fastening thread

PROT-M12 FS - Sealing cap

1560251

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M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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PROT-M12 FS-M - Sealing cap

1430488

https://www.phoenixcontact.com/us/products/1430488

M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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