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Extract from the online catalog


## SACC-E-M12MS-5CON-PG 9/0,5 VA

Order No.: 1554568



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1554568>

Sensor/actuator flush-type connector, 5-pos., M12, A-coded, front/screw mounting with PG9 thread, with 0.5 m TPE litz wire, 5 x 0.25 mm<sup>2</sup>, high-grade steel version

Commercial data	
GTIN (EAN)	 4 046356 170321
sales group	D125
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 144 (PC-2009)

### Product notes

WEEE/RoHS-compliant since:  
11/10/2006



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

General data	
Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	≤ 3 mΩ

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Insulation resistance	> 100 MΩ
Length of cable	0.5 m
Ambient temperature (operation)	-25 °C ... 85 °C (Male connector / female connector)

**General characteristics**

Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67/IP69K
Contact material	Cu alloy
Contact surface material	Au
Contact carrier material	PA66 GF
Material, knurls	High-grade steel
Sealing material	NBR
Type of connection	Individual litz wires / solder connection
Status display	No

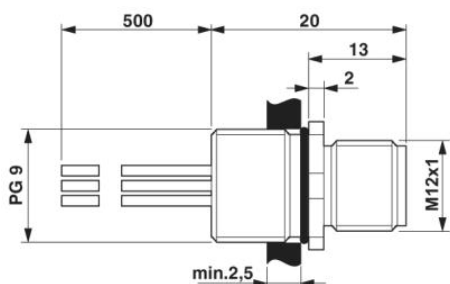
**Conductor data**

Cable type	TPE litz wire
Conductor cross section	0.25 mm <sup>2</sup>
AWG signal line	24
Conductor structure signal line	14x 0.15 mm
Core diameter including insulation	1.15 mm ±0.07 mm
Thickness, insulation	0.21 mm
Wire colors	Black, brown, blue, white, gray
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 80 Ω/km
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V AC
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Ambient temperature (operation)	-25 °C ... 90 °C (cable, fixed installation)

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**Diagrams/Drawings**

Dimensioned drawing



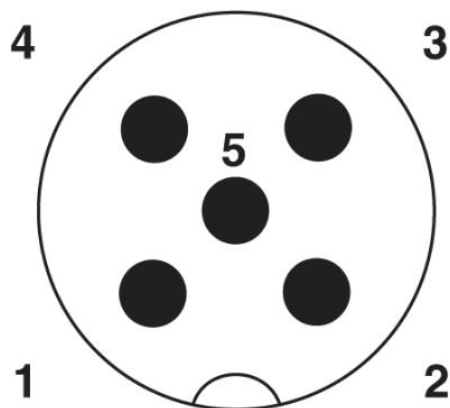
M12 flush-type connector, can be positioned

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

Schematic diagram



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

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