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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# SACC-DSI-M12FS-8CON-PG9/0,5 VA

Order No.: 1554720



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1554720>

Sensor/Actuator flush-type socket, 8-pos., M12, A-coded, rear/screw mounting with PG9 thread, with 0.5 m TPE litz wire, 8 x 0.25 mm<sup>2</sup>, on high-grade steel version

## Commercial data

GTIN (EAN)	4 046356 170376
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	2 A
Rated voltage	30 V
Number of positions	8
Volume resistance	≤ 3 mΩ

Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	0.5 m
Ambient temperature (operation)	-25 °C ... 85 °C (Male connector / female connector)

#### General characteristics

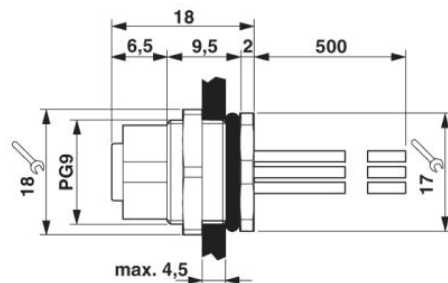
Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67/IP69K
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material, knurls	High-grade steel
Sealing material	NBR
Type of connection	Individual wires
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 $\pm$ 0.07 mm
Thickness, insulation	0.21 mm
Wire colors	Brown, blue, white, gray, pink, green, yellow, red
Insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$
Conductor resistance	$\leq 80 \text{ }\Omega/\text{km}$
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)

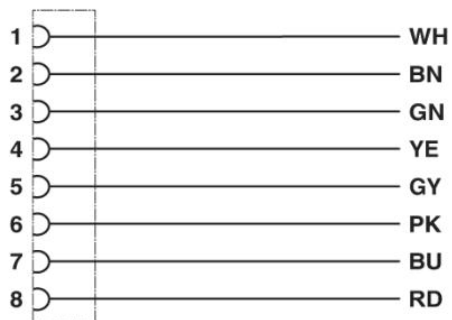
## Diagrams/Drawings

### Dimensioned drawing



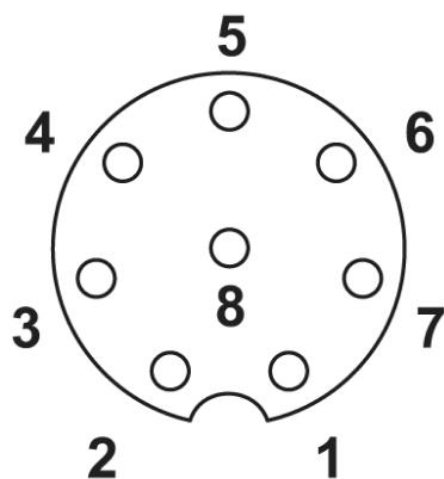
M12 flush-type connector

### Circuit diagram



Contact assignment of the M12 socket

### Schematic diagram



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



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