


# SACC-M12MRB-5CON-PG 9-SH

Order No.: 1430417

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1430417>

Bus system connector, connector angled, 5-pos., M12 shielded, gold-plated contacts, B-coded, screw connection, metal knurl, cable gland Pg9

Commercial data	
GTIN (EAN)	4 046356 321495 
sales group	D124
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 71 (PC-2011)

**Product notes**WEEE/RoHS-compliant since:  
10/09/2007

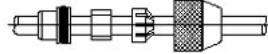
<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
<b>General data</b>	
Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Volume resistance	≤ 3 mΩ

Insulation resistance	≥ 100 MΩ
Ambient temperature (operation)	-40 °C ... 85 °C (Male connector / female connector)
<b>General characteristics</b>	
Standards/regulations	M8 connector IEC 61076-2-104
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Contact material	CuSn
Contact surface material	Au
Contact carrier material	PUR / PA66
Material of grip body	Nickel-plated brass
Material, knurls	Nickel-plated brass
Sealing material	NBR
Connection method	Screw connection
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	0.34 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	22
External cable diameter	3.5 mm ... 5.2 mm
Status display	No

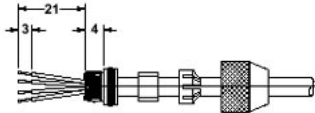
## Diagrams/Drawings

### Functional drawing

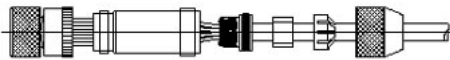


Assembly steps for M8 male/female connector and conductor

Slide parts onto the conductor

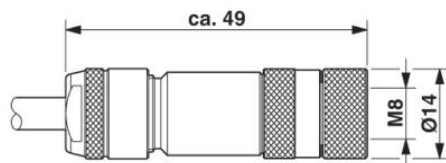


Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh.



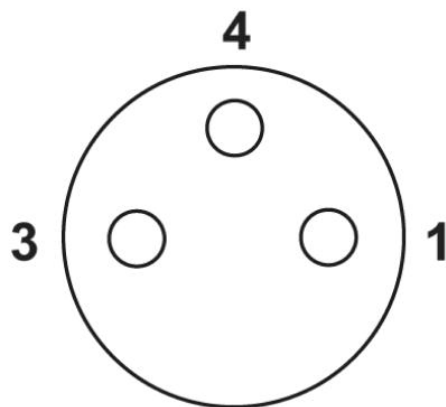
Slide cores through the housing, mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Solder on cores, mount male/female connector part and tighten pressure screw.

### Dimensioned drawing



Socket M8 x 1, straight, shielded

### Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact  
Technical modifications reserved;