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Extract from the online catalog

## SACC-M12MSD-4CON-PG 7-SH

Order No.: 1521258



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1521258>


Bus system plug connector, male, straight, 4-pos., M12, shielded, D-coded, screw connection, metal knurl, cable screw connection Pg7



Ethernet



### Commercial data

GTIN (EAN)	 4 017918 968601
sales group	D124
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 51 (PC-2009)

### Product notes

WEEE/RoHS-compliant since:  
04/13/2006



<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	4
Volume resistance	≤ 3 mΩ

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Insulation resistance	≥ 100 MΩ
Ambient temperature (operation)	-40 °C ... 85 °C (Male connector / female connector)

**General characteristics**

Standards/regulations	M12 connector IEC 61076-2-101
Coding	D - data
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Insertion/withdrawal cycles	≥ 100
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Nickel-plated brass
Sealing material	NBR
Type of connection	Screw connection
Conductor cross section stranded min.	0.25 mm <sup>2</sup>
Conductor cross section stranded max.	0.75 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	18
Frequency of connections between conductors of the same cross section	≥ 100
External cable diameter	4 mm ... 6 mm
Status display	No

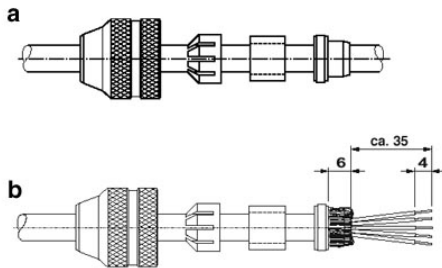
**Conductor data**

Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
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**Diagrams/Drawings**

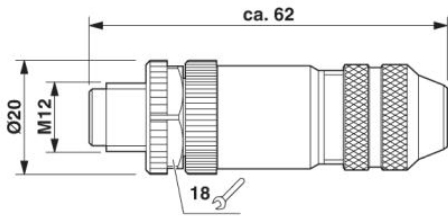
Functional drawing



**Assembly steps for M12 male/female connector and conductor**

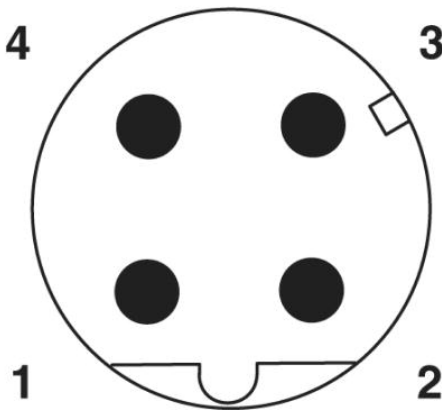
a = Slide on parts  
 b= Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh. Slide cores through the housing. Mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores. Mount male/female part. Tighten pressure screw.

Dimensioned drawing

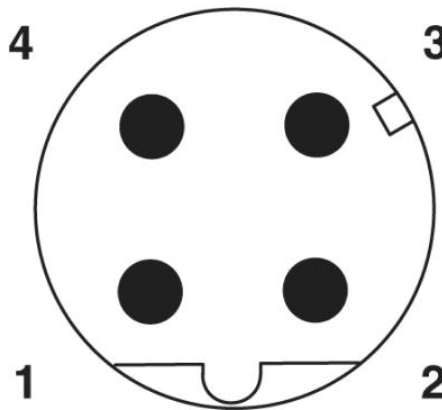


M12 x 1 male connector, straight, shielded

Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side



Pin assignment M12 male connector, 4-pos., D-coded, male side

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