



Extract from the online catalog

SACC-M12MS-4CON-PG 7-SH

Order No.: 1693830



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1693830>

Sensor/actuator connector, male, straight, 4-pos., M12, shielded, A-coded, screw connection, metal knurl, cable screw connection Pg7

Commercial data	
EAN	4017918188689
Pack	1 pcs.
Customs tariff	85366990
Weight/Piece	0.0481 KG
Catalog page information	Page 51 (PC-2009)

Product notes

WEEE/RoHS-compliant since: 02/06/2006

<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	
Nominal current I_N	4 A
Nominal voltage U_N	60 V
Number of positions	4
Volume resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$

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Ambient temperature (operation)	-40 °C ... 85 °C (plug/socket)
General characteristics	
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
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 ²
Conductor cross section stranded max.	0.75 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	18
Min. diameter	4 mm
Max. diameter	6 mm
Status display	No

Certificates / Approvals



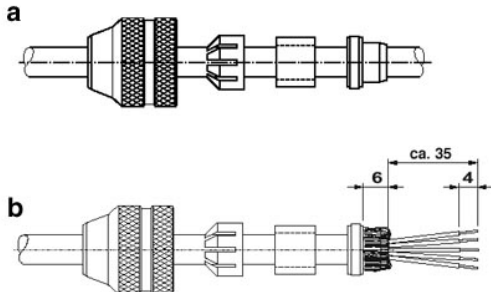
Certification

GOST

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Diagrams/Drawings

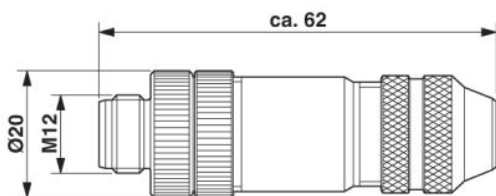
Functional drawing



Assembly steps for M12 male/female connector and conductor

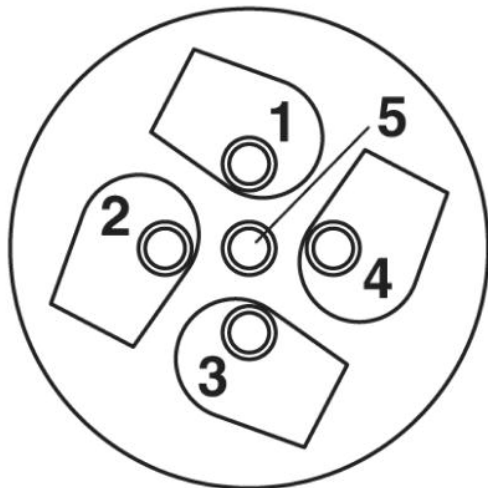
a = Slide on parts
b= Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh. Slide cores through the housing. Mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores. Mount male/female part. Tighten pressure screw.

Dimensioned drawing

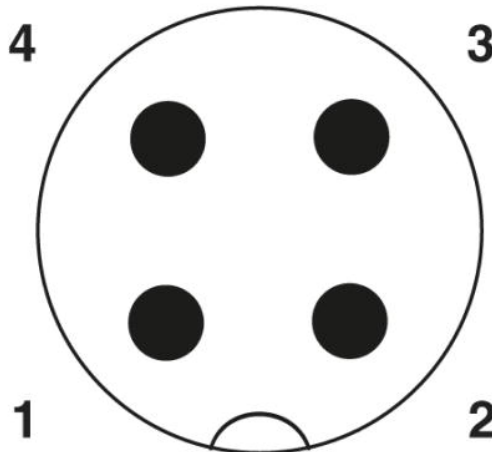


M12 x 1 male connector, straight, shielded

Schematic diagram



Cable connection side M12 (screw connection)



Pin assignment M12 plug, 4-pos., A-coded, view plug side

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