

## SACC-M12FS-5CON-PG 9-SH


Order No.: 1694318

The illustration shows the 4-pos. version



<http://eshop.phoenixcontact.sk/phoenix/treeViewClick.do?UID=1694318>

Sensor/actuator connector, female, straight, 5-pos., M12, shielded, A-coded, screw connection, metal knurl, cable screw connection Pg9

Commercial data	
EAN	 4 017918 181314
Pack	1 pcs.
Customs tariff	85366990
Gross weight in pieces	0.04854 kg
Catalog page information	Page 24 (C-4-2013)

### Product notes

WEEE/RoHS-compliant since:  
23.11.2005



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 at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
<b>Dimensions</b>	
External diameter	6 mm ... 8 mm
Stripping length of the sheath	35 mm
Stripping length of the individual wire	5 mm
<b>Ambient conditions</b>	
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

### General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Screw connection
Conductor cross section	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
AWG conductor cross section	24 ... 18
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl) 0.2 Nm (Screw terminal blocks) 0.8 Nm ... 1 Nm (Pressure nut with coupling sleeve)
Tightening torque	Screw plug insert with sleeve housing as far it will go
Assembly instructions	The wires can be connected both with ferrules and without ferrules

### Material

Inflammability class according to UL 94	HB
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

### Certificates



Certification

cULus Recognized, GOST

Certifications applied for:

Certification Ex:

### Accessories

Item	Designation	Description
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#### Protection and sealing elements

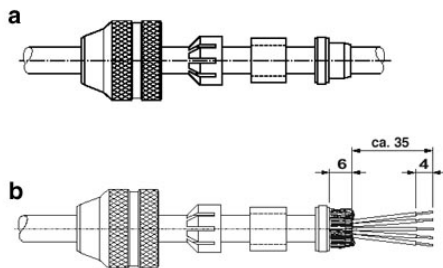
1430899	PROT-M12 MS-PA-CHAIN	M12 sealing cap with fixing band, for sensor cables, for free M12 sockets
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#### Tools

1208445	SACC BIT M12-D20	Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
1208429	TSD 04 SAC	Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors
1212224	TSD-M 1,2NM	Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm
1212600	TSD-M SAC-BIT ADAPTER	Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

### Drawings

Functional drawing

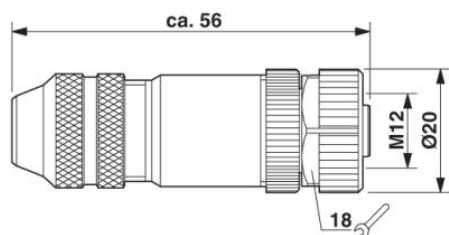


#### Assembly steps for M12 male/female plug and conductor

a = Slide on parts

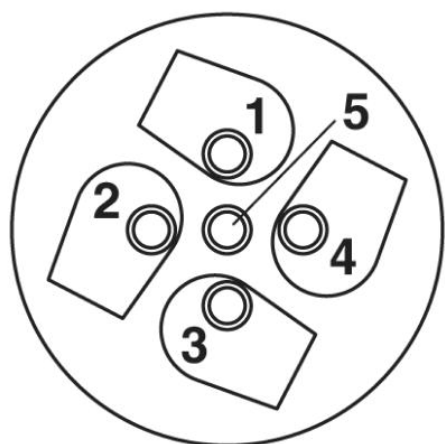
b= Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh. Slide cores through the housing. Mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores. Mount male/female part. Tighten pressure screw.

Dimensioned drawing

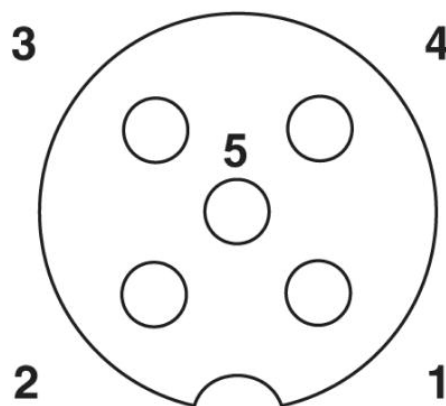


M12 x 1 socket, straight, shielded

Schematic diagram



Cable connection side M12 (screw connection)



Pin assignment M12 socket, 5-pos., A-coded, socket side view

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