


SACC-M12MSB-5CON-PG9 SH AU

Order No.: 1507764

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1507764>

Bus system plug-in plug, male straight, 5-pos., M12, shielded, gold-plated contacts, B-coded, screw connection, metal knurl, cable screw connection Pg9

**Commercial data**

EAN	 4 017918 900427
Pack	1 pcs.
Customs tariff	85366990
Gross weight in pieces	0.0451 KG
Net weight per piece (exclusive packing)	0.04501 KG
Catalog page information	Page 71 (PC-2011)

Product notes

WEEE/RoHS-compliant since:
11/23/2005



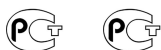
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Technical data**General data**

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	≤ 3 mΩ

Insulation resistance	≥ 100 MΩ
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
General characteristics	
Standards/regulations	M12 plug-in connector IEC 61076-2-101
Coding	B - inverse
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure screw for outer cable diameter 4 mm ... 8 mm)
	1 Nm ... 1.4 Nm (Pressure screw for outer cable diameter 8 mm ... 12 mm)
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
Connection method	Screw connection
Conductor cross section	0.25 mm ² ... 0.75 mm ²
AWG conductor cross section	24 ... 18
Assembly instructions	The wires can be connected both with ferrules and without ferrules
External cable diameter	6 mm ... 8.5 mm
Status display	No

Certificates / Approvals



Certification

GOST

Certifications applied for:

Certification Ex:

Accessories

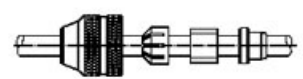
Item	Designation	Description
Protection and sealing elements		
1430873	PROT-M12 FS-PA-CHAIN	M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 sockets

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

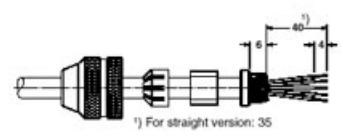
Diagrams/Drawings

Functional drawing

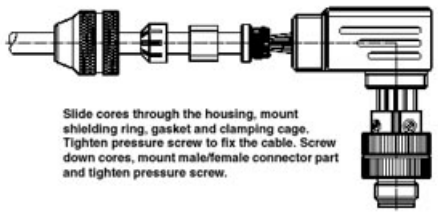
Assembly steps for M 12 male/female connector and conductor



Slide parts onto the conductor

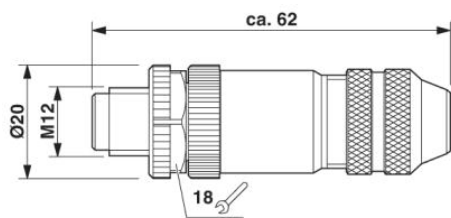


Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh.



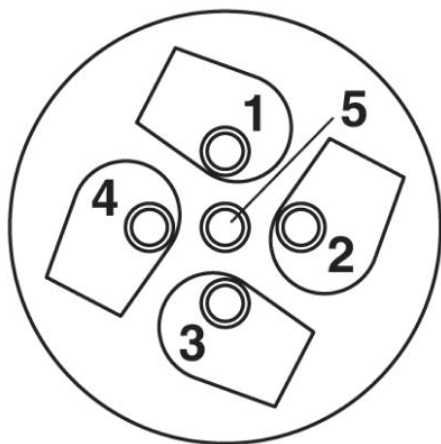
Slide cores through the housing, mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores, mount male/female connector part and tighten pressure screw.

Dimensioned drawing

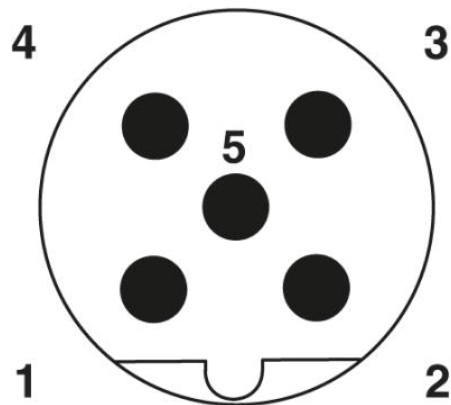


Plug, M12 x 1, straight, shielded

Schematic diagram



Cable connection side M12 (screw connection)



Pin assignment M12 male connector, 5-pos., B-coded, male side

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