

SACC-M12FS-8CON-PG 9-SH


Order No.: 1511860



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Sensor/actuator connector, female, straight, 8-pos., M12, shielded, A-coded, screw connection, metal knurl, cable screw connection Pg9

Commercial data

EAN	 4 017918 908621
Pack	1 pcs.
Customs tariff	85366990
Gross weight in pieces	0.04982 KG
Net weight per piece (exclusive packing)	0.04982 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	2 A
Rated voltage	30 V
Number of positions	8
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	A - standard
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)
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 mm
Status display	No

Certificates / Approvals



Certification GOST

Certifications applied for:

Certification Ex:

Accessories

Item	Designation	Description
General		
1416567	VS-OE-OE-94B-100,0	Bus system cable, ETHERNET, 8-pos., PUR halogen-free blue, 4x2x26 AWG. Cable ring: 100 m
1416318	VS-OE-OE-94C-100,0	Ethernet cable, shielded, 4-pair, AWG 26 flexible cable conduit capable (19-wire), RAL 5021 (sea blue)
1416347	VS-OE-OE-94F-100,0	Bus system cable, ETHERNET, 8-wire, shielded, PUR halogen-free, blue outer sheath, 4 x 2 x 0.14 mm ² / AWG 26, cable ring: 100 m

Protection and sealing elements

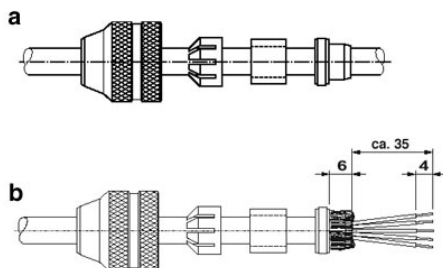
1430899	PROT-M12 MS-PA-CHAIN	M12 sealing cap with fixing band, for sensor cables, for free M12 sockets
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Tools

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

Diagrams/Drawings

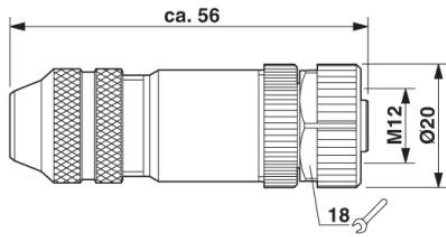
Functional drawing



Assembly steps for M12 male/female connector and conductor

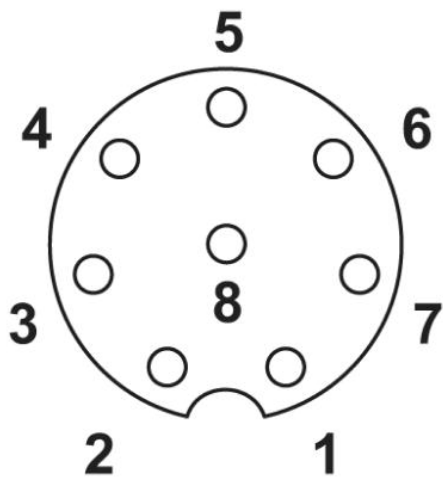
- a = Slide on parts
 b = Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh. Slide cores through the housing. Mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores. Mount male/female part. Tighten pressure screw.

Dimensioned drawing



M12 x 1 female connector, straight, shielded

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

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