


# SACC-M12FS-4SC M

Order No.: 1513198

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1513198>

Sensor/actuator connector, female, straight, 4-pos., M12, A-coded, spring-cage connection, metal knurl, cable cross section max. 8 mm

## Commercial data

GTIN (EAN)	 4 017918 946562
sales group	D120
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 33 (PC-2007)

## Product notes

WEEE/RoHS-compliant since:  
08/01/2005



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## Technical data

### General data

Rated current at 40°C	4 A
Rated voltage	125 V
Number of positions	4
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ

Ambient temperature (operation)	-25 °C ... 80 °C (Male connector / female connector)
	-5 °C ... 50 °C (when the conductor is connected)

### General characteristics

Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/67
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	PA 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR
Connection method	QUICKON fast connection
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	0.34 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	22
Wire diameter including insulation	0.7 mm ... 1.6 mm
Frequency of connections between conductors of the same cross section	10
External cable diameter	3.5 mm ... 6 mm
Wire insulation material	PVC / PE
Tightening torque, union nut	0.8 Nm
Wrench size, union nut	13 mm
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Status display	No

### Certificates / Approvals



Certification

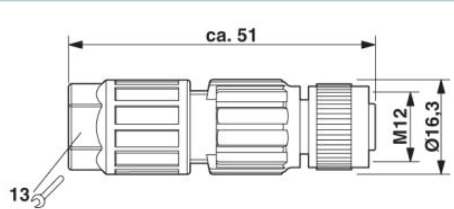
CUL, GOST, UL

**Accessories**

Item	Designation	Description
<b>Tools</b>		
1208432	SAC BIT M12-D15	Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
1212033	SAC BIT QUICKON-W13	Nut for assembling QUICKON pressure nuts with 13 mm wrench size, 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

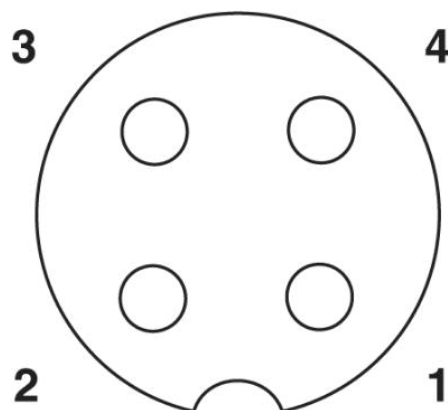
**Diagrams/Drawings**

Dimensioned drawing



M12 x 1 female connector, straight

Schematic diagram



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

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