


# SACC-M 8FS-3CON-M-SH

Order No.: 1506927

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1506927>

Sensor/actuator connector, female, straight, 3-pos., M8, shielded,  
solder connection, metal knurl, cable diameter max. 5 mm

## Commercial data

GTIN (EAN)	 4 017918 881177
sales group	D121
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 42 (PC-2009)

## Product notes

WEEE/RoHS-compliant since:  
03/21/2006



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## Technical data

### General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Volume resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ

Ambient temperature (operation)	-40 °C ... 85 °C (Male connector / female connector)
<b>General characteristics</b>	
Standards/regulations	M8 connector IEC 61076-2-104
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Contact material	CuSn
Contact surface material	Au
Contact carrier material	PUR / PA66
Material of grip body	Nickel-plated brass
Material, knurls	Nickel-plated brass
Sealing material	NBR
Type of connection	Solder cup
Conductor cross section stranded min.	0.08 mm <sup>2</sup>
Conductor cross section stranded max.	0.25 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	22
External cable diameter	3.5 mm ... 5 mm
Status display	No

#### Certificates / Approvals

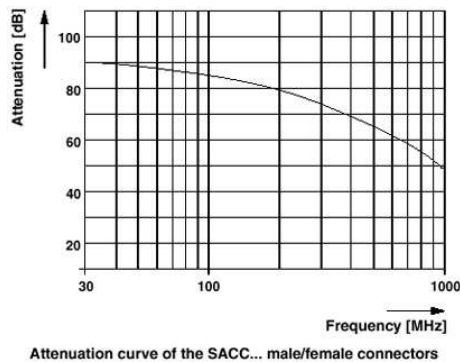


Certification

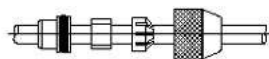
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## Diagrams/Drawings

### Diagram

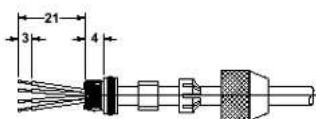


### Functional drawing



Assembly steps for M8 male/female connector and conductor

Slide parts onto the conductor

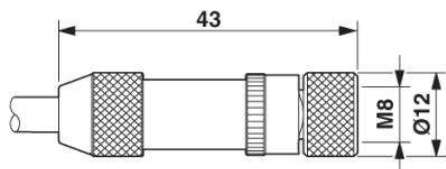


Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh.



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

### Dimensioned drawing

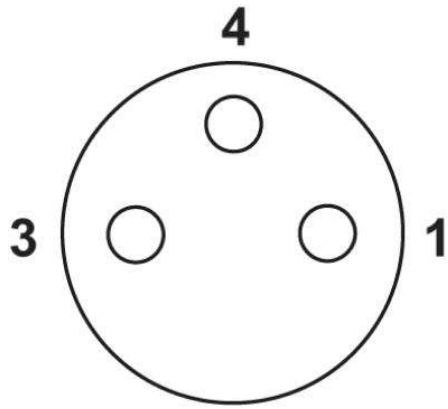


Socket M8 x 1, straight, shielded

Schematic diagram

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Pin assignment M8 socket, 3-pos., view female side



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