


## SACC-M 8MS-3PCON

Order No.: 1506752

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1506752>

Sensor/actuator connector, male, straight, 3-pos., M8, Piercecon<sup>®</sup>,  
metal knurl, cable diameter max. 5 mm

### Commercial data

EAN	 4 017918 892678
Pack	1 pcs.
Customs tariff	85366990
Gross weight in pieces	0.017 KG
Net weight per piece (exclusive packing)	0.0166 KG
Catalog page information	Page 69 (PC-2011)

### Product notes

WEEE/RoHS-compliant since:  
12/20/2005



[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
Please note that the data given  
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information and data, please refer  
to the user documentation. The  
General Terms and Conditions of  
Use apply to Internet downloads.

### 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)	-25 °C ... 85 °C (Plug / socket)
<b>General characteristics</b>	
Standards/regulations	M8 plug-in connector IEC 61076-2-104
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP68
Insertion/withdrawal cycles	≥ 100
Torque	0.5 Nm (Pressure nut with coupling sleeve) 0.8 Nm (Connector with coupling sleeve) 0.2 Nm (M8 knurl)
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	PA 66
Material, knurls	Nickel-plated brass
Sealing material	NBR
Connection method	Piercecon® fast connection
Conductor cross section	0.14 mm² ... 0.38 mm²
AWG conductor cross section	22 ... 26
Wire diameter including insulation	1 mm ... 1.3 mm (Black wire clamping for 0.14 mm² ... 0.25 mm²) 1.3 mm ... 1.6 mm (White wire clamping for 0.25 mm² ... 0.38 mm²)
External cable diameter	3 mm ... 5 mm
Status display	No
Stripping length of the sheath	35 mm

### Certificates / Approvals



Certification GOST

Certifications applied for:

Certification Ex:

**Accessories**

Item	Designation	Description
<b>Cable/conductor</b>		
1501689	SAC-3P-100,0-PUR/0,25	Cable ring, PUR halogen-free black, 3-pos., conductor colors: Brown/blue/black, cable length: 100 m
1501650	SAC-3P-100,0-PUR/0,34	Cable ring, PUR halogen-free black, 3-pos., conductor colors: Brown/blue/black, cable length: 100 m

**Protection and sealing elements**

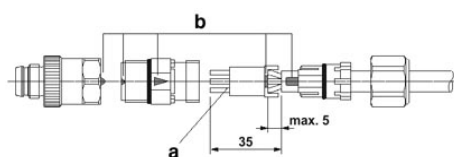
1430857	PROT-M 8 FS-PA-CHAIN	M8 sealing cap made of plastic with fixing band for sensor cables, for M8 plugs
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**Tools**

1208474	SACC BIT M8-D12	Nut for assembling SACC M8 connectors for free assembly with longitudinal knurl, excluding M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive
1208487	TSD 02 SAC	Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 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 M8 plug connector with Piercecon® connection

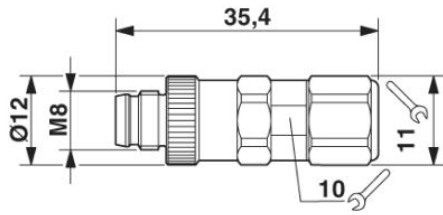
a = Cut flush

b = Coding

Strip the conductor by approx. 35 mm and slide on the union nut and cable clamp type cage. Without stripping the insulation of the individual cores, guide them into the corresponding chamber of the elastic core clamping and cut them off flush on the contact side. The coding marks must be flush when mounted.

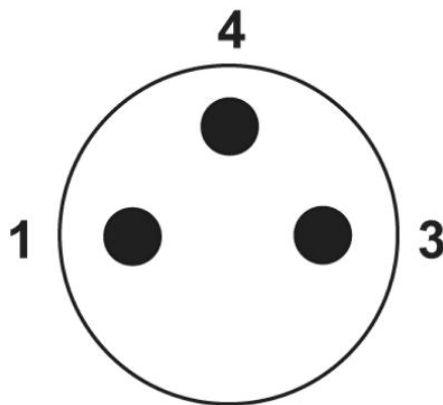
Dimensioned drawing

M8 x 1 male connector, straight version



Schematic diagram

Pin assignment M8 plug, 3-pos., view male side



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