


# SACC-M12FS-4QO-0,75-M

Order No.: 1641772



<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1641772>

Sensor/actuator plug-in connector, 4-position, Socket, straightLink:M12, A-coded, Insulation displacement connection, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 4 mm ... 8 mm

Commercial data	
EAN	 4 017918 921859
Pack	1 pcs.
Customs tariff	85366990
Gross weight in pieces	0.016 KG
Net weight per piece (exclusive packing)	0.0149 KG
Catalog page information	Page 73 (PC-2011)

#### Product notes

WEEE/RoHS-compliant since:  
07/01/2005



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
<b>General data</b>	
Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4

Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Ambient temperature (assembly)	-5 °C ... 50 °C (During assembly)

#### 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	IP65/67
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl) 1.2 Nm (Pressure nut)
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU
Material of grip body	PA 6
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR
Connection method	Insulation displacement connection
Conductor cross section	0.34 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
AWG conductor cross section	22 ... 18
Assembly instructions	AWG 18 wire cross section upon request
Wire diameter including insulation	1.3 mm ... 2.6 mm
Frequency of connections between conductors of the same cross section	10
External cable diameter	4 mm ... 8 mm
Wire insulation material	PVC / PE
Wrench size, union nut	15 mm
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Status display	No

## Certificates / Approvals



Certification

cULus Recognized, GOST

Certifications applied for:

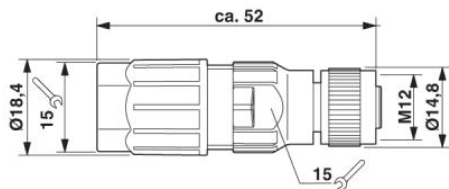
Certification Ex:

## Accessories

Item	Designation	Description
<b>Cable/conductor</b>		
1457461	SAC-4P-100,0-186/0,75	Cable ring, PUR/PVC black, 4-pos., conductor colors: brown / white / blue / black, cable length: 100 m
1501663	SAC-4P-100,0-PUR/0,34	Cable ring, PUR halogen-free black, 4-pos., conductor colors: brown / white / blue / black, cable length: 100 m
<b>Protection and sealing elements</b>		
1430899	PROT-M12 MS-PA-CHAIN	M12 sealing cap with fixing band, for sensor cables, for free M12 sockets
<b>Tools</b>		
1641992	QSS 15	Allen wrench, for loosening and fastening the QUICKON union nut, WAF 15 mm
1212513	SAC BIT M12-W14	SAC nut, for assembling M12 connectors with hexagonal high-grade steel knurl, with 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

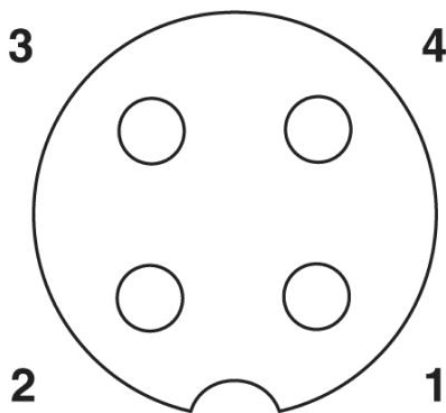
## Diagrams/Drawings

### Dimensioned drawing



M12 x 1 female connector, straight

### Schematic diagram



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

**Address**

PHOENIX CONTACT Ltd  
Halesfield 13  
Telford Shropshire TF7 4PG,GB  
Phone 01952 681 700  
Fax 01952 681 799  
<http://www.phoenixcontact.co.uk>



© 2013 Phoenix Contact  
Technical modifications reserved;