

**SACC-M12FS-4QO-0,34**

Order No.: 1641701

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1641701>

Sensor/actuator connector, socket, straight, 4-pos., M12, A-coded,  
QUICKON-ONE, plastic knurl, cable diameter max. 6 mm

**Commercial data**

|                          |                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------|
| GTIN (EAN)               | 4  017918 925154 |
| sales group              | D121                                                                                               |
| Pack                     | 1 pcs.                                                                                             |
| Customs tariff           | 85366990                                                                                           |
| Catalog page information | Page 48 (PC-2009)                                                                                  |

**Product notes**

WEEE/RoHS-compliant since:  
12/01/2005



[http://  
www.download.phoenixcontact.com](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****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) |
|---------------------------------|------------------------------------------------------|

#### 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                                                            | Plastic                       |
| Sealing material                                                            | NBR                           |
| Type of connection                                                          | 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/PP                     |
| 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

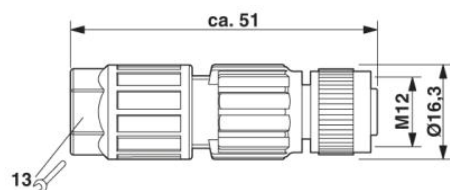
| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

### Tools

|         |                     |                                                                                                                                                       |
|---------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                               |

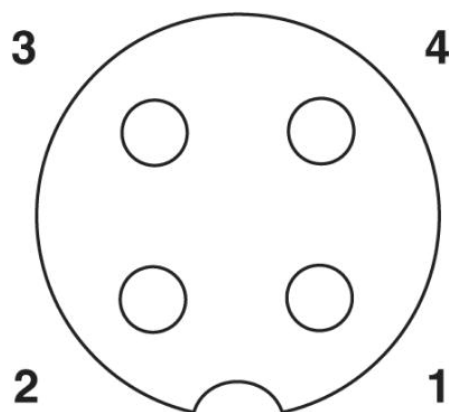
## Diagrams/Drawings

Dimensioned drawing



M12 x 1 female connector, straight

Schematic diagram



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

**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



© 2010 Phoenix Contact  
Technical modifications reserved;