

**SACC-M12FS-4CON-PG 7-SH**

Order No.: 1694295

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1694295>

Sensor/actuator connector, female, straight, 4-pos., M12, shielded, A-coded, screw connection, metal knurl, cable screw connection Pg7

**Commercial data**

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| GTIN (EAN)               | <br>4 017918 181291 |
| sales group              | D124                                                                                                  |
| Pack                     | 1 pcs.                                                                                                |
| Customs tariff           | 85366990                                                                                              |
| Catalog page information | Page 51 (PC-2009)                                                                                     |

**Product notes**

WEEE/RoHS-compliant since:  
03/24/2006



<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         | 60 V     |
| Number of positions   | 4        |
| 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                  | M12 connector IEC 61076-2-101                        |
| Coding                                 | A - standard                                         |
| Surge voltage category                 | II                                                   |
| Pollution degree                       | 3                                                    |
| Degree of protection                   | IP67                                                 |
| Contact material                       | CuZn                                                 |
| Contact surface material               | Au                                                   |
| Contact carrier material               | PA 66                                                |
| Material of grip body                  | Zinc die-cast, nickel-plated                         |
| Material, knurls                       | Nickel-plated brass                                  |
| Sealing material                       | NBR                                                  |
| Type of connection                     | Screw connection                                     |
| Conductor cross section stranded min.  | 0.25 mm <sup>2</sup>                                 |
| Conductor cross section stranded max.  | 0.75 mm <sup>2</sup>                                 |
| Conductor cross section AWG/kcmil min. | 24                                                   |
| Conductor cross section AWG/kcmil max  | 18                                                   |
| External cable diameter                | 4 mm ... 6 mm                                        |
| Status display                         | No                                                   |

#### Certificates / Approvals

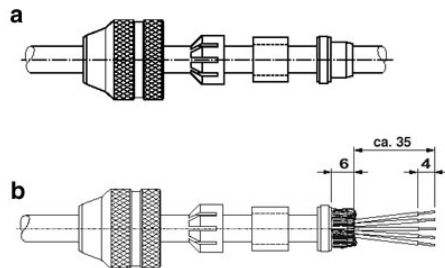


Certification

GOST

## Diagrams/Drawings

### Functional drawing

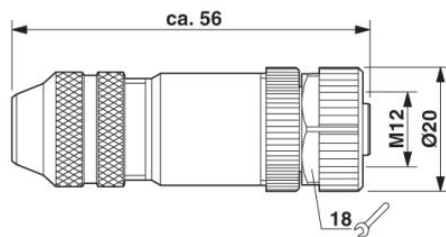


#### Assembly steps for M12 male/female connector and conductor

a = Slide on parts

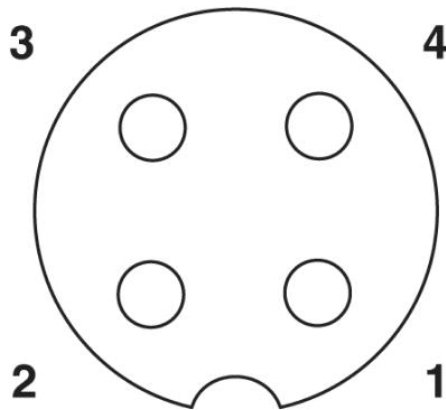
b= Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh. Slide cores through the housing. Mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores. Mount male/female part. Tighten pressure screw.

### Dimensioned drawing



M12 x 1 female connector, straight, shielded

### 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;