

# SACC-M12MS-4QO-0,75-M

Order No.: 1641785



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1641785>

Sensor/actuator connector, male connector, straight, 4-pos., M12, A-encoded, QUICKON-ONE, high-grade steel knurl, maximum cable diameter of 8 mm

## Commercial data

|                          |                   |
|--------------------------|-------------------|
| GTIN (EAN)               | 4 017918 921866   |
| sales group              | D120              |
| Pack                     | 1 pcs.            |
| Customs tariff           | 85366990          |
| Catalog page information | Page 48 (PC-2009) |

## Product notes

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



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## Technical data

### General data

|                       |        |
|-----------------------|--------|
| 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 (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                                                            | Zinc die-cast, (nickel-plated) |
| Sealing material                                                            | NBR                            |
| Type of connection                                                          | QUICKON fast connection        |
| Conductor cross section stranded min.                                       | 0.34 mm <sup>2</sup>           |
| Conductor cross section stranded max.                                       | 0.75 mm <sup>2</sup>           |
| Conductor cross section AWG/kcmil min.                                      | 22                             |
| Conductor cross section AWG/kcmil max                                       | 18                             |
| 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/PP                      |
| Tightening torque, union nut                                                | 1.2 Nm                         |
| 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

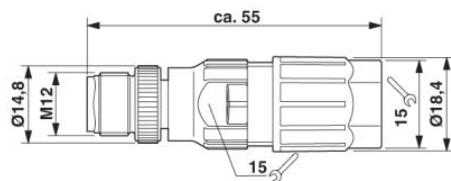
CUL, GOST, UL

Accessories

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

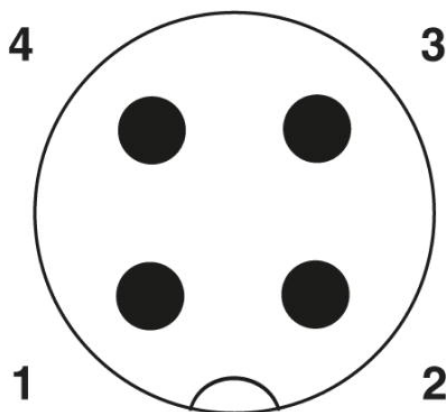
Diagrams/Drawings

Dimensioned drawing



M12 x 1 male connector, straight

Schematic diagram



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

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