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Extract from the online catalog

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

Order No.: 1641772



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

Sensor/actuator connector, female 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 921859 |
| 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>
 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 | 250 V |
| Number of positions | 4 |
| Volume resistance | ≤ 5 mΩ |

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| | |
|---------------------------------|--|
| 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 ² |
| Conductor cross section stranded max. | 0.75 mm ² |
| 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

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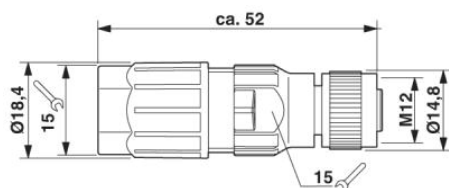
<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1641772>

Accessories

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

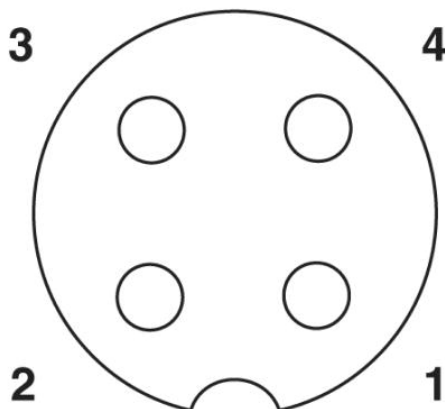
Diagrams/Drawings

Dimensioned drawing



M12 x 1 female connector, straight

Schematic diagram



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

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