


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

Order No.: 1641688

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1641688>

Sensor/actuator connector, female connector, straight, 4-pos., M12, A-coded, QUICKON-ONE, high-grade steel knurl, maximum cable diameter of 6 mm

Commercial data

| | |
|--|--|
| EAN |  4 017918 925178 |
| Pack | 1 pcs. |
| Customs tariff | 85366990 |
| Gross weight in pieces | 0.0144 KG |
| Net weight per piece (exclusive packing) | 0.01216 KG |
| Catalog page information | Page 73 (PC-2011) |

Product notes

WEEE/RoHS-compliant since:
06/01/2005



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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 (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) 0.8 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 | 0.14 mm ² ... 0.34 mm ² |
| AWG conductor cross section | 26 ... 22 |
| Assembly instructions | AWG 20 conductor cross section upon request |
| 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 |
| 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 cULus Recognized, GOST

Certifications applied for:

Certification Ex:

Accessories

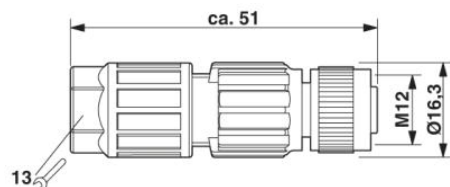
| Item | Designation | Description |
|------------------------|-----------------------|---|
| Cable/conductor | | |
| 1501692 | SAC-4P-100,0-PUR/0,25 | Cable ring, PUR halogen-free black, 4-pos., conductor colors: brown / white / blue / black, cable length: 100 m |
| 1501663 | SAC-4P-100,0-PUR/0,34 | Cable ring, PUR halogen-free black, 4-pos., conductor colors: brown / white / blue / black, cable length: 100 m |

| | | |
|--|----------------------|---|
| Protection and sealing elements | | |
| 1430899 | PROT-M12 MS-PA-CHAIN | M12 sealing cap with fixing band, for sensor cables, for free M12 sockets |

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

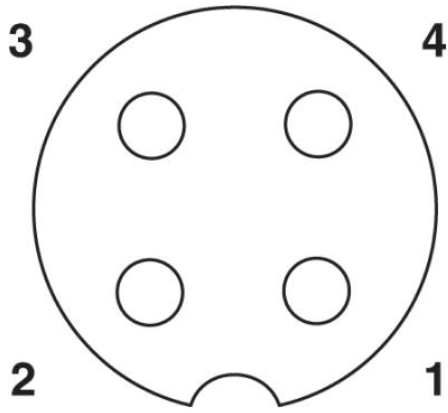
Dimensioned drawing



M12 x 1 female connector, straight

Schematic diagram

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



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