


SACC-M 8FS-3PCON

Order No.: 1506778

<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=1506778>Sensor/actuator connector, female, straight, 3-pos., M8, Piercecon®,
metal knurl, cable diameter max. 5 mm**Commercial data**

| | |
|--------------------------|---|
| EAN |  4 017918 892692 |
| Pack | 1 Pcs. |
| Customs tariff | 85366990 |
| Product key | BF2BGA |
| Catalog page information | Page 69 (PC-2011) |

Product notesWEEE/RoHS-compliant since:
12/20/2005

[http://
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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 | 3 |
| Volume resistance | ≤ 3 mΩ |

| | |
|---------------------------------|--|
| Insulation resistance | ≥ 100 MΩ |
| Ambient temperature (operation) | -25 °C ... 85 °C (Male connector / female connector) |

General characteristics

| | |
|--|--|
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Coding | A - standard |
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP68 |
| Torque | 0.5 Nm (Pressure nut with coupling sleeve) 0.8 Nm (Connector with coupling sleeve) 0.2 Nm (M8 knurl) |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Contact carrier material | PA 66 |
| Material of grip body | PA 66 |
| Material, knurls | Nickel-plated brass |
| Sealing material | NBR |
| Connection method | Piercecon [®] fast connection |
| Conductor cross section stranded min. | 0.14 mm ² |
| Conductor cross section stranded max. | 0.38 mm ² |
| Conductor cross section AWG/kcmil min. | 22 |
| Conductor cross section AWG/kcmil max | 26 |
| Wire diameter including insulation | 1 mm ... 1.3 mm (Black wire clamping for 0.14 mm ² ... 0.25 mm ²) 1.3 mm ... 1.6 mm (White wire clamping for 0.25 mm ² ... 0.38 mm ²) |
| External cable diameter | 3 mm ... 5 mm |
| Status display | No |

Certificates / Approvals

Certification

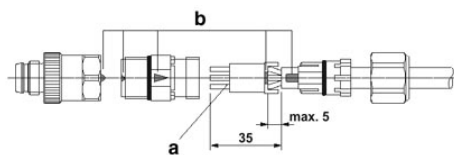
GOST

Accessories

| Item | Designation | Description |
|--------------|-----------------|--|
| Tools | | |
| 1208474 | SACC BIT M8-D12 | Nut for assembling SACC M8 connectors for free assembly with longitudinal knurl, excluding M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |
| 1208487 | TSD 02 SAC | Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors |

Drawings

Functional drawing



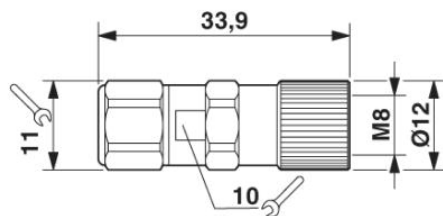
Assembly steps for M8 plug connector with Piercecon® connection

a = Cut flush

b = Coding

Strip the conductor by approx. 35 mm and slide on the union nut and cable clamp type cage. Without stripping the insulation of the individual cores, guide them into the corresponding chamber of the elastic core clamping and cut them off flush on the contact side. The coding marks must be flush when mounted.

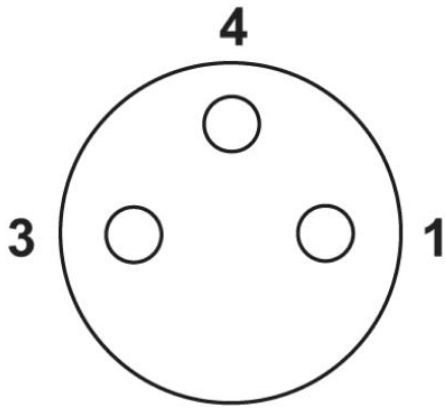
Dimensioned drawing



Socket M8 x 1, straight

Schematic diagram

Pin assignment M8 socket, 3-pos., view female side



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