


SACC-M12MR-4CON-PG7

Order No.: 1681091

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1681091>

Sensor/actuator connector, male, angled, 4-pos., M12, A-coded, screw connection, plastic knurl, cable screw connection Pg7

| Commercial data | |
|--------------------------|---|
| GTIN (EAN) |  4 017918 157494 |
| sales group | D120 |
| Pack | 1 pcs. |
| Customs tariff | 85366990 |
| Catalog page information | Page 70 (PC-2011) |

Product notes

WEEE/RoHS-compliant since:
11/23/2005



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Technical data**General data**

| | |
|-----------------------|----------|
| Rated current at 40°C | 4 A |
| Rated voltage | 60 V |
| Number of positions | 3 |
| Volume resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |

| | |
|---|--|
| Ambient temperature (operation) | -25 °C ... 80 °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 | IP65/67 |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Material of grip body | PA 6 |
| Material, knurls | Nickel-plated brass |
| Connection method | QUICKON fast connection |
| Conductor cross section stranded min. | 0.25 mm ² |
| Conductor cross section stranded max. | 0.5 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 22 |
| Frequency of connections between conductors of the same cross section | 10 |
| External cable diameter | 2.5 mm ... 5 mm +/-0.2 mm |
| Wire insulation material | PVC/PE/PP |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | Class 2-6 |
| Status display | No |

Certificates / Approvals

| | |
|---------------|---------|
| Certification | CUL, UL |
|---------------|---------|

Accessories

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

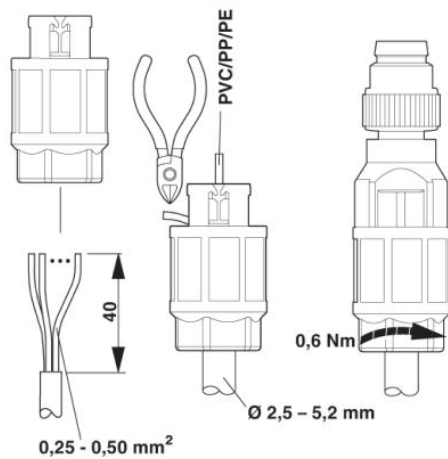
Tools

| | | |
|---------|----------------|---|
| 1208461 | SAC BIT M8-D10 | Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |
|---------|----------------|---|

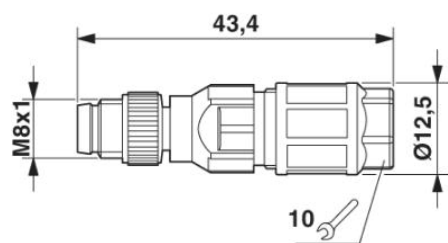
| | | |
|---------|------------|---|
| 1208487 | TSD 02 SAC | Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors |
|---------|------------|---|

Diagrams/Drawings

Functional drawing

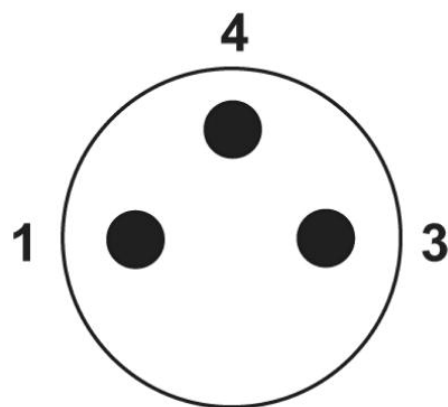


Dimensioned drawing



M8 x 1 male connector, straight version

Schematic diagram



Pin assignment M8 plug, 3-pos., view male side

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