

Connector - SACC-M12FR-5CON-PG9-M SKIN - 1556812

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Sensor/actuator socket, angled, 5-pos., M12, A-coded, screw connection, metal knurl, cable gland Pg9 SKINTOP®



Product Features

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: connectors for on-site assembly
- ✓ Screw connection: proven connection technology for a large selection of different conductors



Key commercial data

| | |
|--------------------------------------|----------|
| Packing unit | 1 1 |
| Weight per Piece (excluding packing) | 40.0 GRM |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|-------------------|---------------|
| External diameter | 6 mm ... 8 mm |
|-------------------|---------------|

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -20 °C ... 80 °C (Plug / socket) |
| Degree of protection | IP67 |

General

| | |
|-----------------------|--------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 125 V |
| Number of positions | 5 |
| Contact resistance | ≤ 8 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |

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Technical data

General

| | |
|-----------------------------|---|
| Standards/regulations | M12 connector IEC 61076-2-101 |
| Status display | No |
| Surge voltage category | II |
| Pollution degree | 3 |
| Connection method | Screw connection |
| Conductor cross section | 0.25 mm ² ... 0.75 mm ² |
| AWG conductor cross section | 24 ... 18 |
| Insertion/withdrawal cycles | ≥ 100 |
| Torque | 0.4 Nm (M12 knurl) 0.2 Nm (Screw terminal blocks) 0.8 Nm ... 1 Nm (Pressure screw) |
| Tightening torque | Screw plug insert with sleeve housing as far it will go |
| Assembly instructions | The connector pin assignment can be rotated 90° to the cable outlet The wires can be connected both with ferrules and without ferrules |

Material

| | |
|---|------------------------------|
| Inflammability class according to UL 94 | HB |
| Contact material | CuZn |
| Contact surface material | CuSnZn |
| Contact carrier material | PA 66 |
| Material of grip body | PBT |
| Material, knurls | Zinc die-cast, nickel-plated |
| Sealing material | NBR |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27279221 |
| eCl@ss 7.0 | 27440104 |
| eCl@ss 8.0 | 27440104 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001121 |
| ETIM 3.0 | EC002062 |

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ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC002062 |
| ETIM 5.0 | EC002062 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 31251501 |

Approvals

Approvals

Approvals

GOST

Ex Approvals

Approvals submitted

Approval details

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| GOST  |
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Accessories

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Cable by the meter

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Accessories

Sensor/Actuator cable - SAC-5P-100,0-186/0,75 - 1535590



Cable ring, PUR/PVC black, 5-pos., conductor colors: Brown/white/blue/black/gray, cable length: 100 m

Protective cap

Screw plug - PROT-M12 MS-PA-CHAIN - 1430899

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets



Screwdriver tools

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Torque tool

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Accessories

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

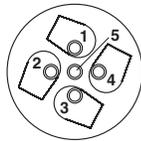
Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

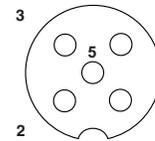
Drawings

Schematic diagram



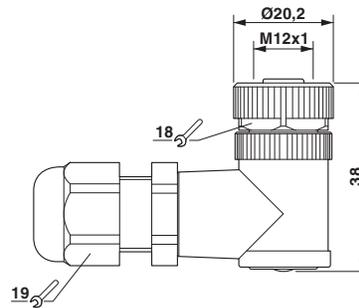
Cable connection side M12 (screw connection)

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

Dimensioned drawing



M12 x 1 socket, angled

