

## Connector - SACC-M12MS-5CON-PG 9 - 1500774

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Sensor/actuator connector, male, straight, 5-pos., M12, A-coded, screw connection, plastic knurl, cable screw connection Pg9

### Why buy this product

- ✓ 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 pc  |
| GTIN                                 | <br>4 017918 610517 |
| Weight per Piece (excluding packing) | 19.3 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

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

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C (Plug / socket) |
| Degree of protection            | IP67                             |

#### General

|                       |                               |
|-----------------------|-------------------------------|
| Rated current at 40°C | 4 A                           |
| Rated voltage         | 60 V                          |
| Number of positions   | 5                             |
| Contact resistance    | ≤ 8 mΩ                        |
| Insulation resistance | ≥ 100 MΩ                      |
| Coding                | A - standard                  |
| Standards/regulations | M12 connector IEC 61076-2-101 |

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## Technical data

### General

|                             |  |
|-----------------------------|--|
| Status display              | No   |
| Surge voltage category      | II   |
| Pollution degree            | 3  |
| Connection method           | Screw connection   |
| Conductor cross section     | 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>  |
| AWG conductor cross section | 24 ... 18  |
| Insertion/withdrawal cycles | ≥ 100  |
| Torque                      | 0.4 Nm (M12 knurl)<br>0.2 Nm (Screw terminal blocks)<br>0.8 Nm ... 1 Nm (Pressure screw) |
| Tightening torque           | Screw plug insert with sleeve housing as far it will go                                  |
| Assembly instructions       | 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                        | Plastic |
| 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 |
| ETIM 4.0 | EC002062 |
| ETIM 5.0 | EC002062 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |

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## Classifications

### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 11    | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2  | 31251501 |

## Approvals

### Approvals

#### Approvals

GOST / GOST / UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

GOST

GOST

UL Recognized


|                    |      |
|--------------------|------|
| Nominal current IN | 4 A  |
| Nominal voltage UN | 60 V |

cUL Recognized

|                    |      |
|--------------------|------|
| Nominal current IN | 4 A  |
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### Approvals

cULus Recognized 

### Accessories

#### Accessories

#### Cable by the meter

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

Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873

M12 sealing cap made of plastic 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

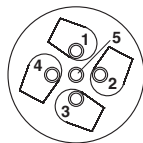
Torque screwdriver - TSD-M 1,2NM - 1212224



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

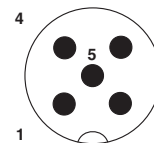
## Drawings

Schematic diagram



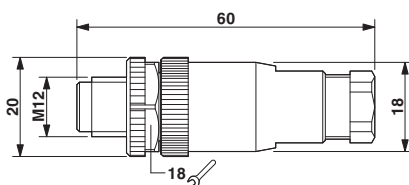
Cable connection side M12 (screw connection)

Schematic diagram



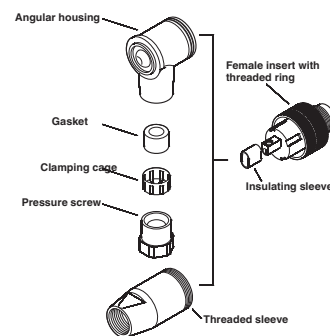
Pin assignment M12 male connector, 5-pos., A-coded, male side

Dimensioned drawing



M12 x 1 plug, straight

Schematic diagram



Male/Female M12