

## Connector - SACC-M12FR-5CON-PG 7-VA - 1553297

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Sensor/actuator connector, female, angled, 5-pos., M12, screw connection, high-grade steel knurl, cable screw connection Pg7



### 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 046356 170215 |
| Weight per Piece (excluding packing) | 25.6 g                                                                                                  |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|                   |               |
|-------------------|---------------|
| External diameter | 4 mm ... 6 mm |
|-------------------|---------------|

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Degree of protection            | IP65             |
|                                 | IP67             |
|                                 | IP69K            |

#### General

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

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## Technical data

### General

|                             |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| Coding                      | A - standard                                                        |
| 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 mm² ... 0.75 mm²                                               |
| AWG conductor cross section | 24 ... 18                                                           |
| Insertion/withdrawal cycles | ≥ 100                                                               |
| Torque                      | 0.8 Nm ... 1 Nm (Pressure screw)                                    |
|                             | 0.2 Nm (Screw terminal blocks)                                      |
|                             | 0.4 Nm (M12 knurl)                                                  |
| 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 | V0               |
| Contact material                        | CuZn             |
| Contact surface material                | Au               |
| Contact carrier material                | PA 66            |
| Material of grip body                   | PA               |
| Material, knurls                        | High-grade steel |
| Sealing material                        | NBR              |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250313 |
| eCl@ss 4.1 | 27250313 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27279221 |
| eCl@ss 7.0 | 27440104 |
| eCl@ss 8.0 | 27440104 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC002062 |
| ETIM 4.0 | EC002062 |
| ETIM 5.0 | EC002062 |

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### Classifications

#### 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

GOST 

### Accessories

Accessories

Connector

Ferrule - A 0,25- 5 - 3202465



Ferrule, Length: 5 mm, Color: silver

Crimping tool

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### Accessories

Crimping pliers - CRIMPFOX 6H - 1212046



Crimping pliers, for ferrules according to DIN 46228, 0.14 - 6 mm<sup>2</sup>, pressure lock can be unlocked, lateral entry

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### 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

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Adapter - SAC BIT M12-W14 - 1212513



SAC nut, for assembling M12 connectors with hexagonal high-grade steel knurl, with 4 mm hexagonal drive

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### Seal

Connector - SACC-M 8-SET/2,2-3,5 - 1436945



Sensor/actuator connector, accessories, pressure screw and seal, for unshielded M8 connector, cable diameter 2.2 mm - 3.5 mm

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### Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



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

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### Accessories

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

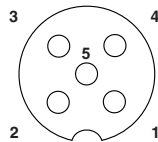


Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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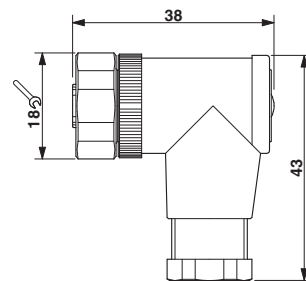
### Drawings

Schematic diagram



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

Dimensioned drawing



M12 x 1 socket, angled