

## Connector - SACC-M12FR-5CON-PG 9-VA - 1553307

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Sensor/actuator connector, female, angled, 5-pos., M12, screw connection, high-grade steel knurl, cable screw connection Pg9

### 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

|                  |               |
|------------------|---------------|
| package_quantity | 1             |
| GTIN             | 4046356170222 |

### Technical data

#### Dimensions

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

#### Ambient conditions

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

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## Technical data

### General

|                             |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| Insertion/withdrawal cycles | ≥ 100                                                               |
| Torque                      | 0.8 Nm ... 1 Nm (Pressure screw)                                    |
| Torque                      | 0.2 Nm (Screw terminal blocks)                                      |
| 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 |
| Assembly instructions       | 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                   | PBT              |
| 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 |

### UNSPSC

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

## approvals

GOST /

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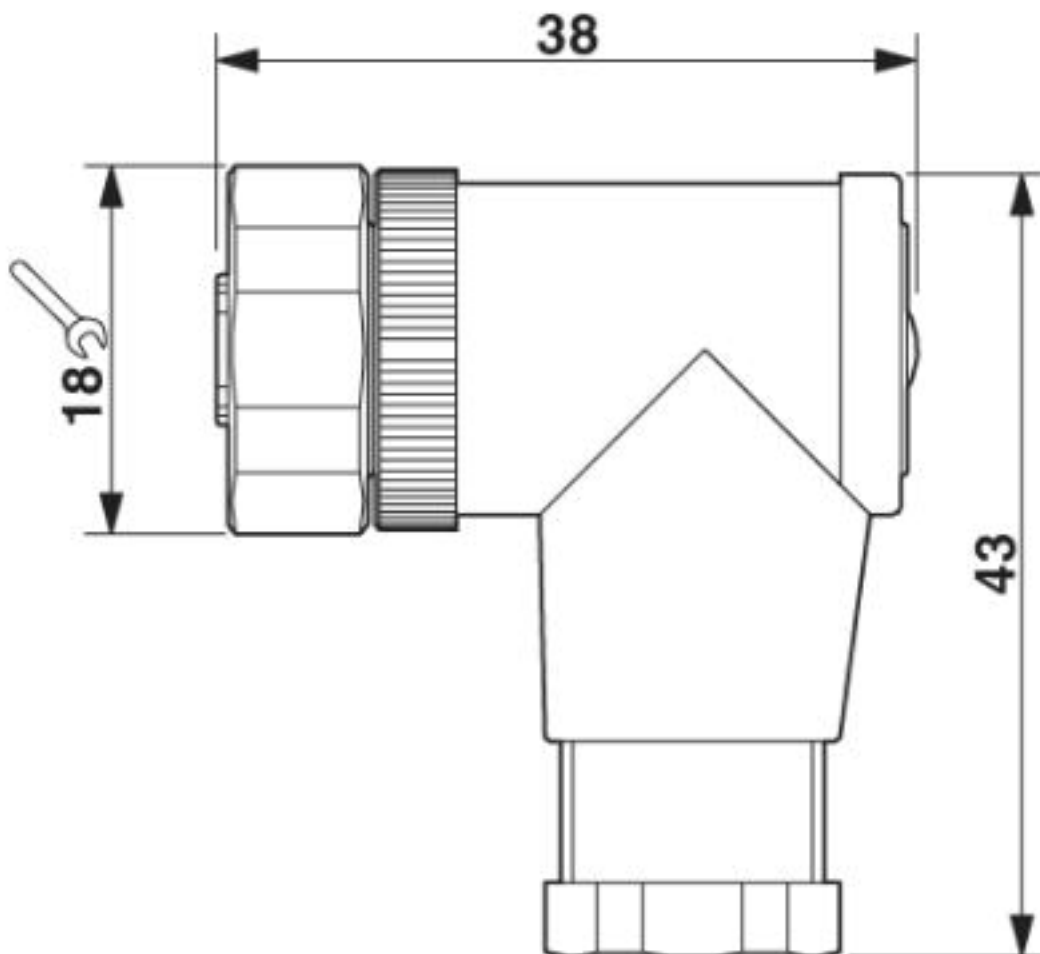
approvals

Approval details



Drawings

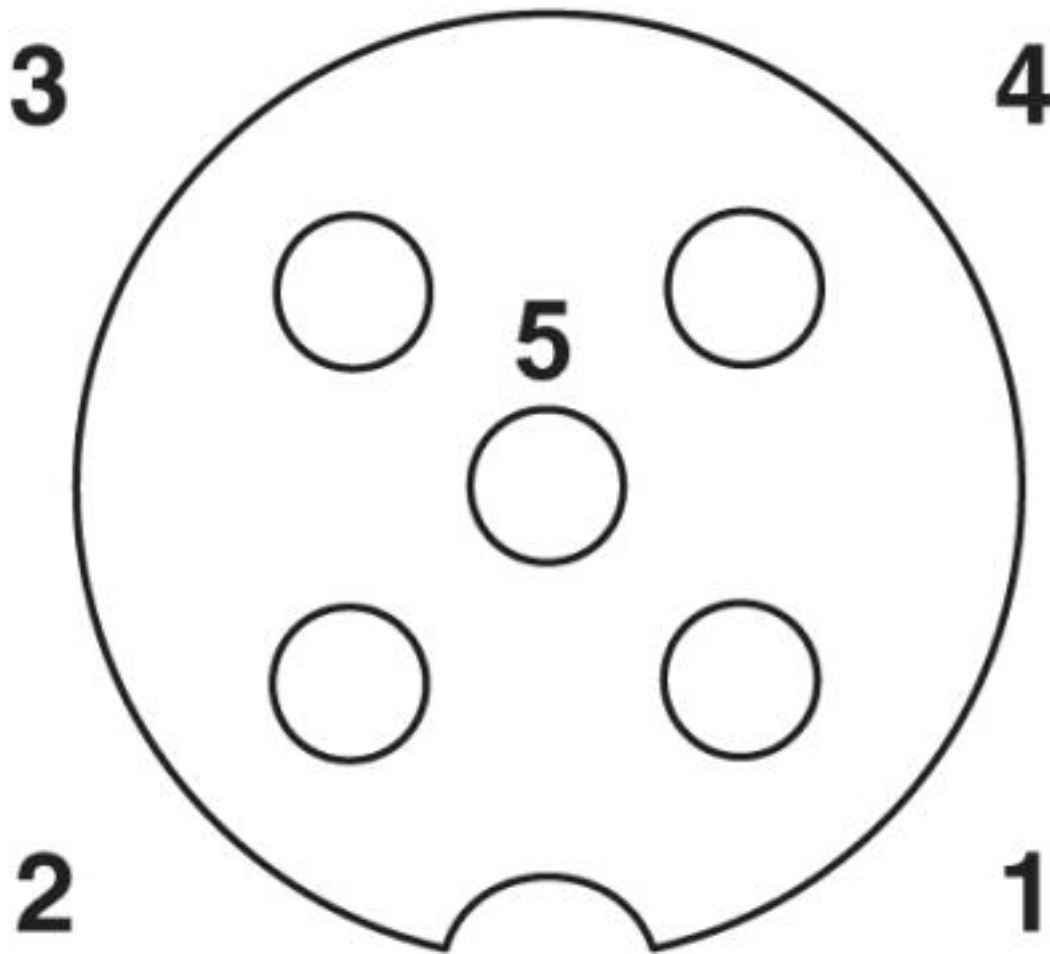
Dimensioned drawing



M12 x 1 socket, angled

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Schematic diagram



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

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