

## Connector - SACC-M12FST-3PECON-PG11-M - 1404644

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Connector, 4-position, Socket straight M12, T-coded, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg11, External cable diameter 8 mm ... 10 mm

### 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
- ✓ High-performance: DC connectors for up to 12 A and 60 V DC
- ✓ Protection against incorrect connection using special T-coding



### Key commercial data

|                      |   |
|----------------------|---|
| Packing unit         | 1 PCE   |
| GTIN                 | <br>4 046356 707756 |
| Custom tariff number | 85366990  |
| Country of origin    | GERMANY   |

### Technical data

#### Dimensions

|                   |                |
|-------------------|----------------|
| External diameter | 8 mm ... 10 mm |
|-------------------|----------------|

#### Ambient conditions

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

#### General

|      |   |
|------|---|
| Note | Strip 22 mm off the cable sheath, strip 7 mm off the conductor insulation, crimp the ferrule, then shorten this to 5 mm. Length of conductor with |
|------|---|

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## Technical data

### General

|                             |   |
|-----------------------------|---|
|                             | shortened ferrule: 20 mm. Connect conductors and tighten the mounting screws with 0.2 Nm. |
| Rated current at 40°C       | 12 A  |
| Rated voltage               | 60 V  |
| Number of positions         | 4   |
| Contact resistance          | ≤ 3 mΩ  |
| Insulation resistance       | > 10 GΩ   |
| Coding                      | T power   |
| Signal type/category        | Universal   |
| Status display              | No  |
| Surge voltage category      | III   |
| Pollution degree            | 3   |
| Connection method           | Screw connection  |
| Conductor cross section     | 0.75 mm² ... 1.5 mm²  |
| AWG conductor cross section | 18 ... 16   |
| Insertion/withdrawal cycles | ≥ 100   |
| Torque                      | 0.4 Nm (M12 knurl)  |
|                             | 1 Nm ... 1.4 Nm (Pressure nut with coupling sleeve)                                       |
|                             | 0.4 Nm (Connector with coupling sleeve)   |
|                             | 0.2 Nm (Screw terminal blocks)  |
| 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 46                        |
| Material of grip body                   | PA 66                        |
| Material, knurls                        | Zinc die-cast, nickel-plated |
| Sealing material                        | Viton (M12 socket)           |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |

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#### eCl@ss

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

### Accessories

#### Accessories

#### Tools

Torque screwdriver - TSD 04 SAC - 1208429



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

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

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Stripping tool - WIREFOX 6SC - 1212158



Stripping tool, for cables and conductors (especially for cables protected against short circuits and ground leakages) 1.5 - 6 mm<sup>2</sup>, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm<sup>2</sup> stranded/1.5 mm<sup>2</sup> solid, replaceable stripping blade

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

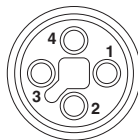
Ferrule - A 1,5 - 7 - 3200263



Ferrule, Length: 7 mm, Color: silver

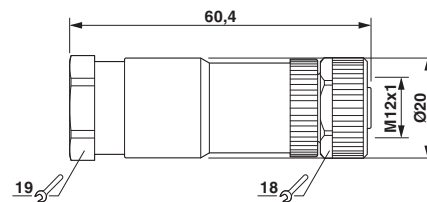
## Drawings

Schematic diagram



Connector pin assignment of M12 socket, 4-pos., T-coded, view of socket side

Dimensioned drawing



M12 x 1 socket, straight