

## Connector - SACC-FS-17PCON SCO - 1559644

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Sensor/actuator connector, female connector, straight, 17-pos., M12 SPEEDCON, metal knurl, Piercecon<sup>®</sup>, maximum cable diameter of 8.2 mm

### Why buy this product

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: connectors for on-site assembly
- ✓ Save time, thanks to installation with SPEEDCON fast locking system
- ✓ Piercecon<sup>®</sup> connection: maximum contact density in a connector that can be assembled
- ✓ Save space – with high-pos. connectors



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 046356 314862 |
| Weight per Piece (excluding packing) | 35.5 g                                                                                                  |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|                                |                   |
|--------------------------------|-------------------|
| Wrench size, union nut         | 13 mm             |
| External diameter              | 5.4 mm ... 8.2 mm |
| Stripping length of the sheath | ≥ 60 mm           |

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| Degree of protection            | IP67                             |

#### General

|                       |       |
|-----------------------|-------|
| Rated current at 40°C | 1.5 A |
| Rated voltage         | 30 V  |

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## Technical data

### General

|                                                                             |                               |
|-----------------------------------------------------------------------------|-------------------------------|
| Rated surge voltage                                                         | 0.8 kV                        |
| Number of positions                                                         | 17                            |
| Contact resistance                                                          | ≤ 5 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                                                           | Piercecon® fast connection    |
| Conductor cross section                                                     | 0.14 mm²                      |
| AWG conductor cross section                                                 | 26                            |
| Wire diameter including insulation                                          | 0.95 mm ... 1.05 mm           |
| Frequency of connections between conductors of the same cross section       | ≥ 5                           |
| Wire insulation material                                                    | PUR/PVC                       |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 Class 6              |
| Insertion/withdrawal cycles                                                 | ≥ 100                         |
| Torque                                                                      | 0.4 Nm (M12 knurl)            |

### Material

|                                         |                              |
|-----------------------------------------|------------------------------|
| Inflammability class according to UL 94 | V0                           |
| Contact material                        | CuZn                         |
| Contact surface material                | Ni/Au                        |
| Contact carrier material                | PA                           |
| Material of grip body                   | Zinc die-cast, nickel-plated |
| Material, knurls                        | Zinc die-cast, nickel-plated |
| Sealing material                        | FKM                          |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| 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 2.0 | EC001121 |
|----------|----------|

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### Classifications

#### ETIM

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

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211824 |
| UNSPSC 7.0901 | 39121413 |
| UNSPSC 11     | 39121413 |
| UNSPSC 12.01  | 39121413 |
| UNSPSC 13.2   | 39121413 |

### Approvals

#### Approvals

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Approvals

EAC / EAC

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Ex Approvals

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Approvals submitted

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#### Approval details

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| EAC |
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| EAC |
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### Accessories

#### Accessories

Cable by the meter

Sensor/Actuator cable - SAC-17P-100,0-PVC/0,14 - 1441545



Sensor/Actuator cable, 17-position, PVC, Black RAL 9005, free cable end, on free cable end, Cable length: 100 m

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### Accessories

#### Electronics pliers

Diagonal cutter - MICROFOX-SP-1 - 1212487



Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version

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#### Protective cap

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

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



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#### Screwdriver tools

Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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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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#### 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

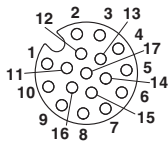


Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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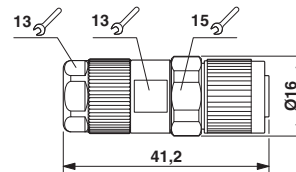
### Drawings

Schematic diagram



Pin assignment M12, 17-pos., socket side view

Dimensional drawing



M12 x 1 socket, straight