

# SACC-FS-17PCON SCO

Order No.: 1559644



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



## Commercial data

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 046356 314862 |
| Pack                     | 1                                                                                                     |
| Customs tariff           | 85366990                                                                                              |
| Catalog page information | Page 112 (NTK-2010)                                                                                   |

## Product notes

WEEE/RoHS-compliant since:  
2010-02-25



## Technical data

### General data

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Rated current at 40°C           | 1.5 A                                                |
| Rated voltage                   | 30 V                                                 |
| Number of positions             | 17                                                   |
| Volume resistance               | ≤ 5 mΩ                                               |
| Insulation resistance           | ≥ 100 MΩ                                             |
| Ambient temperature (operation) | -25 °C ... 85 °C (Male connector / female connector) |

**General characteristics**

|                                                                             |                                |
|-----------------------------------------------------------------------------|--------------------------------|
| Coding                                                                      | A - standard                   |
| Surge voltage category                                                      | II                             |
| Pollution degree                                                            | 3                              |
| Degree of protection                                                        | IP67                           |
| Inflammability class acc. 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                            |
| Type of connection                                                          | Piercecon® fast connection     |
| Conductor cross section stranded min.                                       | 0.14 mm <sup>2</sup>           |
| Conductor cross section AWG/kcmil min.                                      | 26                             |
| Wire diameter including insulation                                          | 0.95 mm ... 1.05 mm            |
| Frequency of connections between conductors of the same cross section       | ≥ 5                            |
| External diameter                                                           | 5.4 mm ... 8.2 mm              |
| Wire insulation material                                                    | PVC                            |
| Wrench size, union nut                                                      | 13 mm                          |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 Class 6               |

**Accessories**

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

**Cable specification**

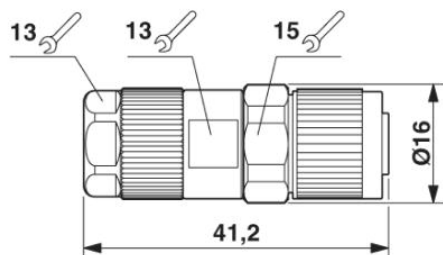
|         |                        |                                                                                                                         |
|---------|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 1441545 | SAC-17P-100,0-PVC/0,14 | Sensor/Actuator cable, 17-position, PVC, Black RAL 9005, Free conductor end, on Free conductor end, Cable length: 100 m |
|---------|------------------------|-------------------------------------------------------------------------------------------------------------------------|

**Tools**

|         |                 |                                                                                                                                                       |
|---------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1212487 | MICROFOX-SP-1   | Electronic diagonal cutter, tapered head, angled (21 degrees), without chamfer, with opening spring, non-reflective phosphate-treated surface         |
| 1208432 | SAC BIT M12-D15 | Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |
| 1208429 | TSD 04 SAC      | Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors                                                          |

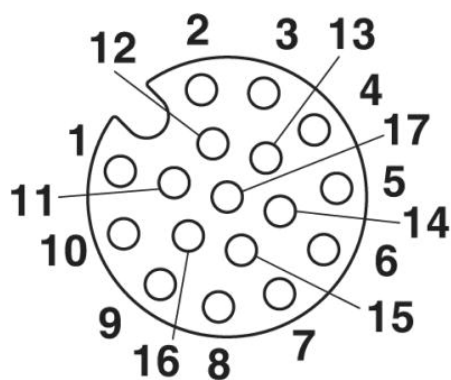
## Drawings

### Dimensioned drawing



M12 x 1 female connector, straight

### Schematic diagram



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