

# SACC-EC-FS-8CON-M16/0,5 SCO

Order No.: 1523489



Sensor/Actuator flush-type socket, 8-pos., M12-SPEEDCON, A-coded, front/screw mounting with M16 thread, can be positioned, with 0.5 m TPE litz wire, 8 x 0.25 mm<sup>2</sup>



## Commercial data

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 046356 021319 |
| Pack                     | 1                                                                                                     |
| Customs tariff           | 85444290                                                                                              |
| Catalog page information | Page 25 (PC-2009)                                                                                     |

## Product notes

WEEE/RoHS-compliant since:  
2006-08-09



## Technical data

### General data

|                       |          |
|-----------------------|----------|
| Rated current at 40°C | 2 A      |
| Rated voltage         | 30 V     |
| Number of positions   | 8        |
| Volume resistance     | ≤ 3 mΩ   |
| Insulation resistance | ≥ 100 MΩ |
| Length of cable       | 0.5 m    |

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Male connector / female connector) |
|---------------------------------|------------------------------------------------------|

**General characteristics**

|                          |                                           |
|--------------------------|-------------------------------------------|
| Standards/regulations    | M12 connector IEC 61076-2-101             |
| Coding                   | A - standard                              |
| Surge voltage category   | II                                        |
| Pollution degree         | 3                                         |
| Degree of protection     | IP67                                      |
| Contact material         | CuZn                                      |
| Contact surface material | Ni/Au                                     |
| Contact carrier material | PA 66                                     |
| Material, knurls         | Zinc die-cast, (nickel-plated)            |
| Sealing material         | NBR                                       |
| Mounting type            | Front mounting M16 x 1.5 With locking nut |
| Type of connection       | Individual wires                          |
| Status display           | No                                        |

**Conductor data**

|                                    |                                                    |
|------------------------------------|----------------------------------------------------|
| Cable type                         | TPE litz wire                                      |
| Conductor cross section            | 0.25 mm <sup>2</sup>                               |
| AWG signal line                    | 24                                                 |
| Conductor structure signal line    | 14x 0.15 mm                                        |
| Core diameter including insulation | 1.15 mm ±0.07 mm                                   |
| Thickness, insulation              | 0.21 mm (Core insulation)                          |
| Wire colors                        | Brown, blue, white, gray, pink, green, yellow, red |
| Insulation resistance              | ≥ 20 MΩ*km                                         |
| Conductor resistance               | ≤ 80 mΩ/m                                          |
| Nominal voltage, conductor         | 300 V                                              |
| Test voltage, conductor            | 2000 V AC                                          |
| Material conductor insulation      | TPE                                                |
| Conductor material                 | Tin-plated Cu litz wires                           |
| Ambient temperature (operation)    | -25 °C ... 90 °C (cable, fixed installation)       |

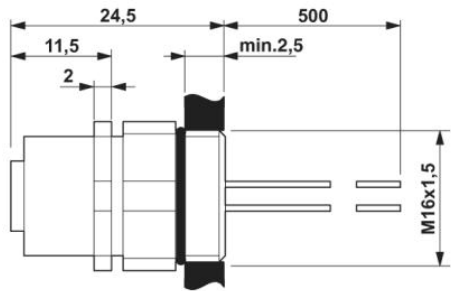
**Certificates**

Certification

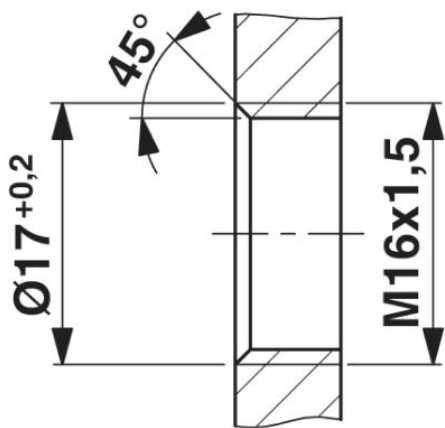
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Drawings

Dimensioned drawing

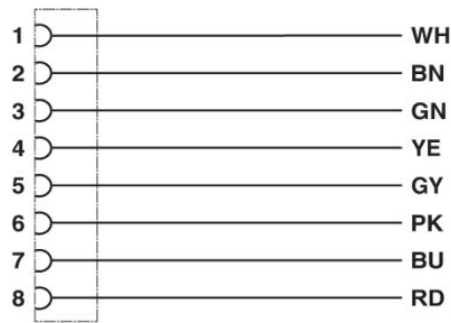


M12 flush-type socket, can be positioned



Housing cutout for M16 fastening thread,  
mounting panel with thread

Circuit diagram



Contact assignment of the M12 socket

Schematic diagram

Pin assignment M12 socket, 8-pos., A-coded, view female side

