

## SACC-DSI-M12FS-12CON-M16/0,5

Order No.: 1419713



Sensor/actuator flush-type socket, 12-pos., M12 SPEEDCON, rear/  
screw mounting with M16 thread, with 0.5 m halogen-free TPE litz  
wire, 12 x 0.14 mm<sup>2</sup>



| Commercial data          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 046356 533560 |
| Pack                     | 1                                                                                                     |
| Customs tariff           | 85444290                                                                                              |
| Catalog page information | Page 107 (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   | 12       |
| Volume resistance     | ≤ 3 mΩ   |
| Insulation resistance | ≥ 100 MΩ |
| Length of cable       | 0.5 m    |

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

**General characteristics**

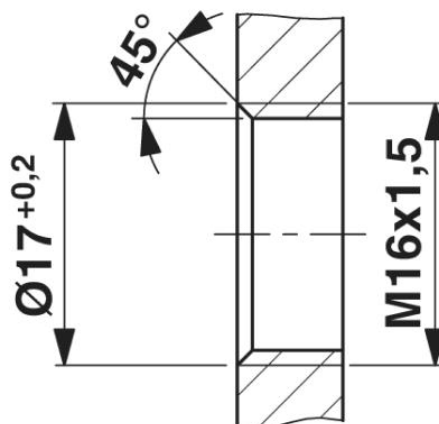
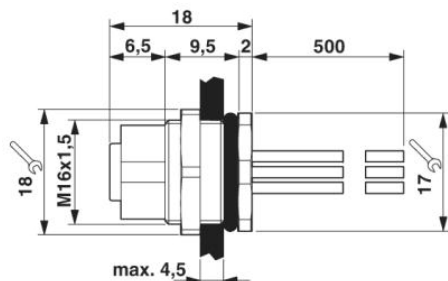
|                          |                                       |
|--------------------------|---------------------------------------|
| Standards/regulations    | M12 connector IEC 61076-2-101         |
| Coding                   | A - standard                          |
| Surge voltage category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

**Conductor data**

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Cable type                      | TPE litz wire                                |
| Conductor cross section         | 0.14 mm <sup>2</sup>                         |
| AWG signal line                 | 26                                           |
| Wire colors                     | Color-coded DIN 47100                        |
| Material conductor insulation   | TPE                                          |
| Conductor material              | Tin-plated Cu litz wires                     |
| Ambient temperature (operation) | -25 °C ... 85 °C (cable, fixed installation) |

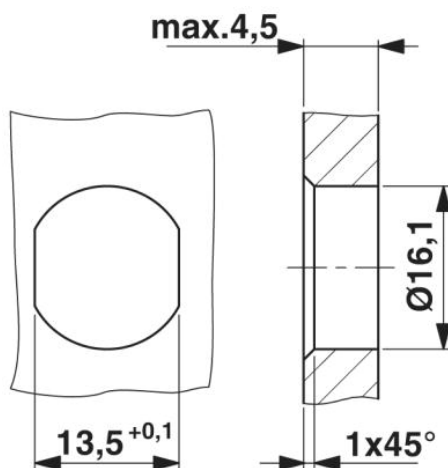
## Drawings

### Dimensioned drawing

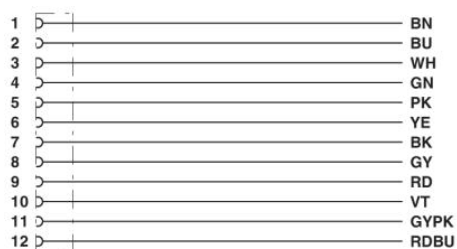


Housing cutout for M16 fastening thread, mounting panel with thread

Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)



### Circuit diagram



Contact assignment of the M12 socket

Schematic diagram

Pin assignment M12, 12-pos., female side view

