

## SACC-DSI-M12FSB-5CON-M16/0,5

Order No.: 1419674



Sensor/actuator flush-type socket, 5-pos., M12 SPEEDCON, B-encoded, rear/screw mounting with M16 thread, with 0.5 m TPE litz wire, 5 x 0.34 mm<sup>2</sup>



### Product notes

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



### Commercial data

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 046356 533522 |
| Note                     | Made-to-order                                                                                         |
| Pack                     | 1                                                                                                     |
| Customs tariff           | 85444290                                                                                              |
| Catalog page information | Page 107 (NTK-2010)                                                                                   |

### Technical data

#### General data

|                       |          |
|-----------------------|----------|
| Rated current at 40°C | 4 A      |
| Rated voltage         | 60 V     |
| Number of positions   | 5        |
| Volume resistance     | ≤ 3 mΩ   |
| Insulation resistance | ≥ 100 MΩ |
| Length of cable       | 0.5 m    |

**General characteristics**

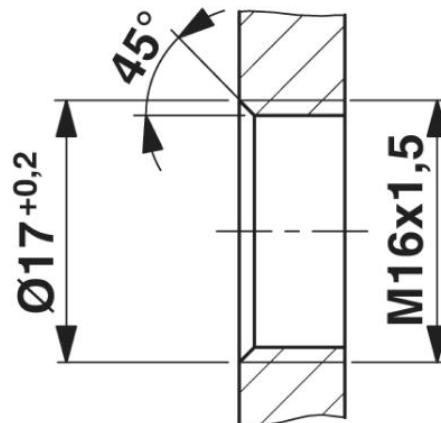
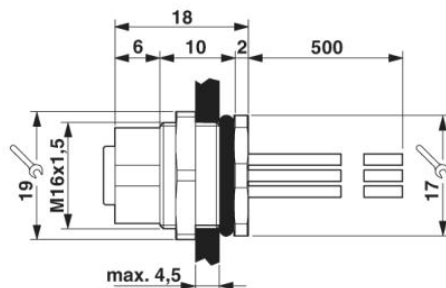
|                          |                                       |
|--------------------------|---------------------------------------|
| Standards/regulations    | M12 connector IEC 61076-2-101         |
| Coding                   | B - inverse                           |
| Surge voltage category   | 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            | 0.34 mm <sup>2</sup>            |
| AWG signal line                    | 22                              |
| Conductor structure signal line    | 7x 0.25 mm                      |
| Core diameter including insulation | 1.2 mm ±0.07 mm                 |
| Thickness, insulation              | 0.21 mm                         |
| Wire colors                        | Black, brown, blue, white, gray |
| Insulation resistance              | ≥ 20 MΩ*km                      |
| Conductor resistance               | ≤ 57.6 mΩ/m                     |
| Nominal voltage, conductor         | 300 V                           |
| Test voltage, conductor            | 2000 V AC                       |
| Material conductor insulation      | TPE                             |
| Conductor material                 | Tin-plated Cu litz wires        |

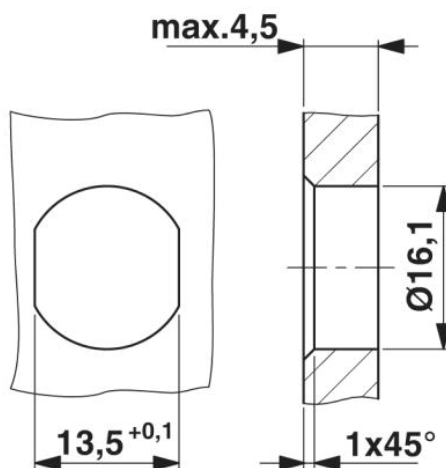
## Drawings

### 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 socket, 5-pos., B-coded, view socket side

