

## Flush-type connector - SACC-E-MS-4CON-M16/0,5 SCO - 1523450

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Sensor/Actuator flush-type plug, 4-pos., M12-SPEEDCON, A-coded, front/screw mounting with M16 thread, with 0.5 m TPE litz wire, 4 x 0.34 mm<sup>2</sup>



### Key commercial data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 1                                                                                                       |
| Minimum order quantity | 1                                                                                                       |
| Catalog page           | Page 28 (PC-2011)                                                                                       |
| GTIN                   | <br>4 046356 021289 |
| Custom tariff number   | 85444290                                                                                                |
| Country of origin      | GERMANY                                                                                                 |

### Technical data

#### General data

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Rated current at 40°C           | 4 A                                                  |
| Rated voltage                   | 250 V                                                |
| Number of positions             | 4                                                    |
| 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 plug-in 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          |

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## Technical data

### General characteristics

|                   |                          |
|-------------------|--------------------------|
| Sealing material  | NBR                      |
| Mounting type     | Front mounting M16 x 1.5 |
| Connection method | Individual wires         |
| Status display    | No                       |

### Conductor data

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Cable type                         | TPE litz wire                                |
| Conductor cross section            | 0.34 mm²                                     |
| 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 (Core insulation)                    |
| Wire colors                        | brown, white, blue, black                    |
| Material conductor insulation      | TPE                                          |
| Conductor material                 | Tin-plated Cu litz wires                     |
| Insulation resistance              | ≥ 20 MΩ*km                                   |
| Conductor resistance               | ≤ 57.6 mΩ/m                                  |
| Nominal voltage, conductor         | 300 V                                        |
| Test voltage, conductor            | 2000 V AC                                    |
| Ambient temperature (operation)    | -25 °C ... 85 °C (cable, fixed installation) |

## Classifications

### eclass

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27449001 |

### etim

|          |          |
|----------|----------|
| ETIM 2.0 | EC001297 |
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC002061 |

### unspsc

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 31251501 |

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## Approvals

Approvals

Approvals

UL Recognized

Ex Approvals

Approvals submitted

## Approval details

|                                                                                                 |       |
|-------------------------------------------------------------------------------------------------|-------|
| UL Recognized  |       |
|                                                                                                 |       |
| mm²/AWG/kcmil                                                                                   | 26-2  |
| Nominal current I <sub>N</sub>                                                                  | 4 A   |
| Nominal voltage U <sub>N</sub>                                                                  | 250 V |

## Accessories

Accessories

Assembly

Flat nut - SACC-E-MU-M16 - 1504097

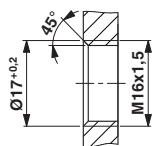


Flat nut with M16 thread

## Drawings

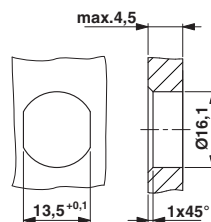
## Flush-type connector - SACC-E-MS-4CON-M16/0,5 SCO - 1523450

Dimensioned drawing



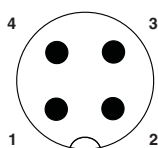
Housing cutout for M16 fastening thread, mounting panel with thread

Dimensioned drawing



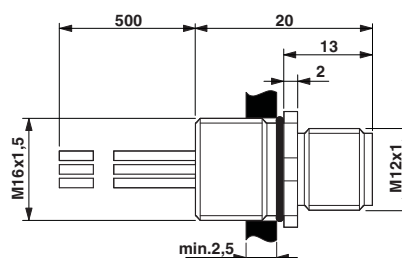
Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Schematic diagram



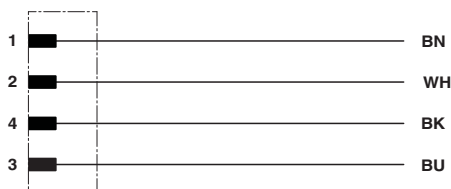
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Dimensioned drawing



M12 flush-type connector

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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