

## Flush-type connector - SACC-DSI-M 8MS-4CON-M 8/0,5 - 1453481

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Sensor/actuator flush-type plug, 4-pos., M8, rear/screw mounting, with M8 thread, with 0.5 m TPE litz wire, 4 x 0.25 mm<sup>2</sup>



### Key commercial data

|                                      |                                                                                                        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                   |
| GTIN                                 | <br>4 046356 554374 |
| Weight per Piece (excluding packing) | 12.1 g                                                                                                 |
| Custom tariff number                 | 85444290                                                                                               |
| Country of origin                    | Germany                                                                                                |

### Technical data

#### Dimensions

|                 |       |
|-----------------|-------|
| Length of cable | 0.5 m |
|-----------------|-------|

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| Degree of protection            | IP67                             |

#### General

|                        |                              |
|------------------------|------------------------------|
| Rated current at 40°C  | 4 A                          |
| Rated voltage          | 30 V                         |
| Number of positions    | 4                            |
| Contact resistance     | ≤ 3 mΩ                       |
| Insulation resistance  | ≥ 100 MΩ                     |
| Coding                 | A - standard                 |
| Standards/regulations  | M8 connector IEC 61076-2-104 |
| Status display         | No                           |
| Surge voltage category | II                           |
| Pollution degree       | 3                            |
| Connection method      | Individual wires             |

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## Technical data

### General

|               |                      |
|---------------|----------------------|
| Mounting type | Rear mounting M8 x 1 |
|---------------|----------------------|

### Material

|                                         |                     |
|-----------------------------------------|---------------------|
| Inflammability class according to UL 94 | HB                  |
| Contact material                        | Cu alloy            |
| Contact surface material                | Au                  |
| Contact carrier material                | PUR / PA66          |
| Material, knurls                        | Nickel-plated brass |
| Sealing material                        | FKM                 |

### Cable

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| 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                                      |
| Wire colors                        | brown, white, blue, black                    |
| Material conductor insulation      | TPE                                          |
| Conductor material                 | Tin-plated Cu litz wires                     |
| Insulation resistance              | ≥ 20 MΩ*km                                   |
| Conductor resistance               | ≥ 80 Ω/km                                    |
| Nominal voltage, cable             | 300 V                                        |
| Test voltage, cable                | 2000 V AC                                    |
| Ambient temperature (operation)    | -25 °C ... 90 °C (cable, fixed installation) |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250313 |
| eCl@ss 4.1 | 27250313 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27279220 |
| eCl@ss 7.0 | 27440103 |
| eCl@ss 8.0 | 27440103 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC002061 |
| ETIM 5.0 | EC002061 |

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### Classifications

#### UNSPSC

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

### Approvals

#### Approvals

##### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

##### Ex Approvals

##### Approvals submitted

#### Approval details

|                                                                                                   |       |
|---------------------------------------------------------------------------------------------------|-------|
| UL Recognized  |       |
| Nominal current I <sub>N</sub>                                                                    | 4 A   |
| Nominal voltage U <sub>N</sub>                                                                    | 125 V |

|                                                                                                    |       |
|----------------------------------------------------------------------------------------------------|-------|
| cUL Recognized  |       |
| Nominal current I <sub>N</sub>                                                                     | 4 A   |
| Nominal voltage U <sub>N</sub>                                                                     | 125 V |

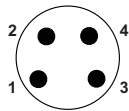
|     |
|-----|
| EAC |
|-----|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

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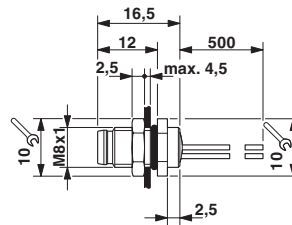
## Drawings

Schematic diagram



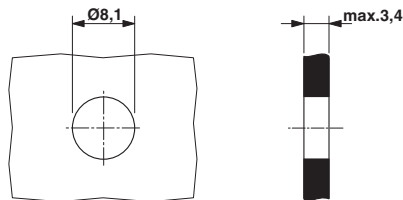
Pin assignment M8 plug, 4-pos., view male side

Dimensioned drawing



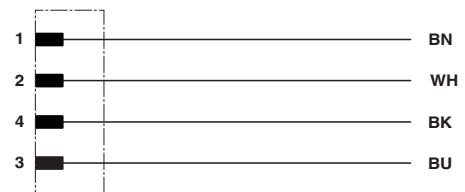
M8 flush-type plug

Dimensioned drawing



Housing cutout for M8 flush-type connector, connector, one-section

Circuit diagram



Contact assignment of M8 plugs/sockets