

# SACC-DSI-MS-8CON-M12/0,5 SCO

Order No.: 1551914



Sensor/actuator flush-type connector, 8-pos., M12 SPEEDCON, rear/screw mounting with M12 thread, with 0.5 m TPE litz wire, 8 x 0.25 mm<sup>2</sup>



## Commercial data

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 046356 161978 |
| Pack                     | 1                                                                                                     |
| Customs tariff           | 85444290                                                                                              |
| Catalog page information | Page 27 (PC-2009)                                                                                     |

## Product notes

WEEE/RoHS-compliant since:  
2007-04-13



## 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**

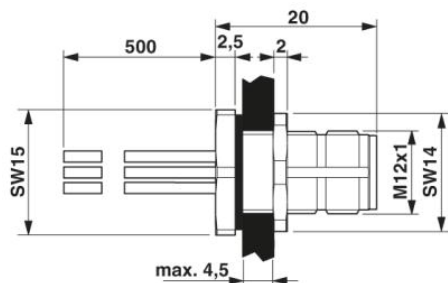
|                          |                                     |
|--------------------------|-------------------------------------|
| Standards/regulations    | M12 connector IEC 61076-2-101       |
| Coding                   | A - standard                        |
| Surge voltage category   | II                                  |
| Pollution degree         | 3                                   |
| Degree of protection     | IP67                                |
| Contact material         | CuZn                                |
| Contact surface material | Au                                  |
| Contact carrier material | PA 66                               |
| Material, knurls         | Zinc die-cast, (nickel-plated)      |
| Sealing material         | NBR                                 |
| Mounting type            | Rear mounting M12 x 1 With flat nut |
| Type of connection       | Individual wires                    |
| Status display           | No                                  |

**Conductor data**

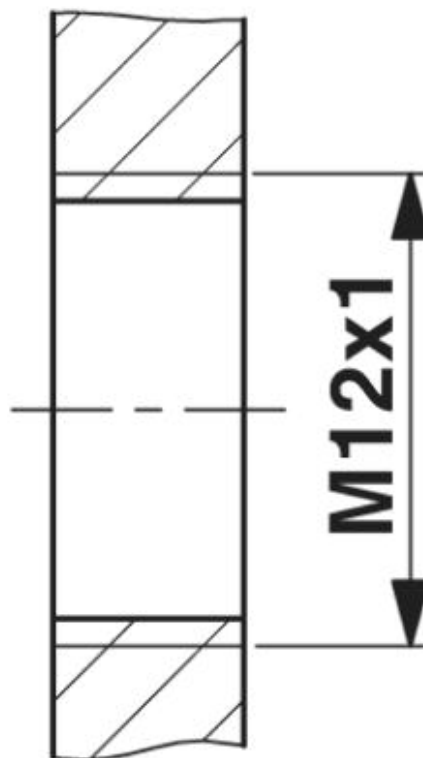
|                                    |                                                    |
|------------------------------------|----------------------------------------------------|
| Cable type                         | TPE litz wire                                      |
| Conductor cross section            | 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                                            |
| 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 ... 85 °C (cable, fixed installation)       |

## Drawings

### Dimensioned drawing

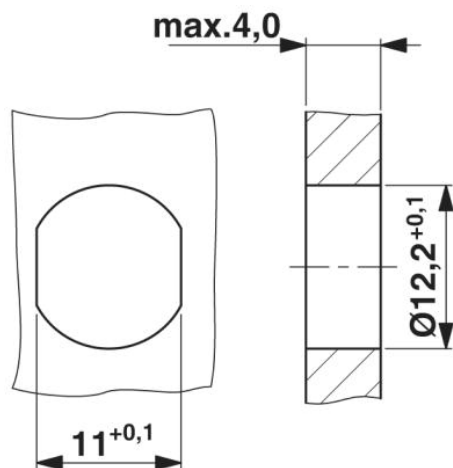


M12 flush-type connector

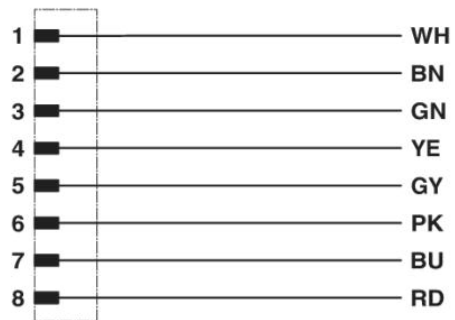


Housing cutout for M12 fastening thread, mounting panel with thread

Housing cutout for M12 fastening thread, mounting panel with feed-through hole (alternative with surface as protection against rotation)

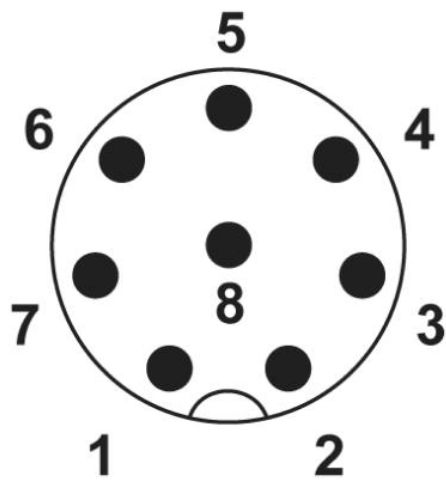


Circuit diagram



Contact assignment of the M12 plug and the M12 socket

Schematic diagram



Pin assignment M12 plug, 8-pos., view plug side