

# SACC-DSI-MSD-4CON-PG9/0,5 SCO

Order No.: 1551532



Bus system flush-type connector, PROFINET, 4-pos., M12  
SPEEDCON, D-coded, front/screw mounting with PG9 thread, with 0.5  
m TPE litz wire, 4 x 0.34 mm<sup>2</sup>



## Commercial data

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 046356 153607 |
| 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

|                       |                                                                                                                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note                  | This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling) |
| Rated current at 40°C | 4 A                                                                                                                                                                                                                  |
| Rated voltage         | 250 V                                                                                                                                                                                                                |
| Number of positions   | 4                                                                                                                                                                                                                    |

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Volume resistance               | $\leq 3 \text{ m}\Omega$                             |
| Insulation resistance           | $\geq 100 \text{ M}\Omega$                           |
| 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                   | D - data                        |
| 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 Pg9 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 $\pm$ 0.07 mm                         |
| Thickness, insulation              | 0.21 mm                                      |
| Wire colors                        | Yellow, orange, white, blue                  |
| Insulation resistance              | $\geq 20 \text{ M}\Omega \cdot \text{km}$    |
| Conductor resistance               | $\leq 57.6 \text{ m}\Omega/\text{m}$         |
| 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) |

## Certificates

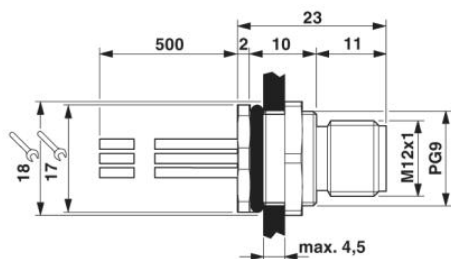


Certification

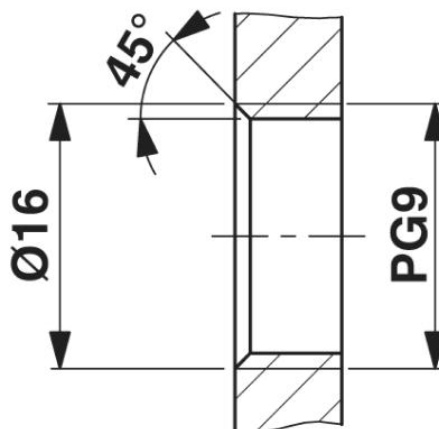
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## Drawings

Dimensioned drawing

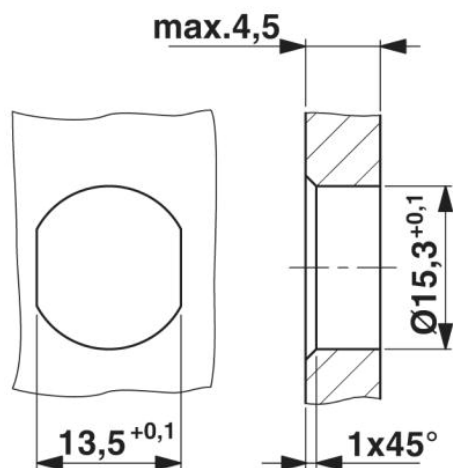


M12 flush-type connector

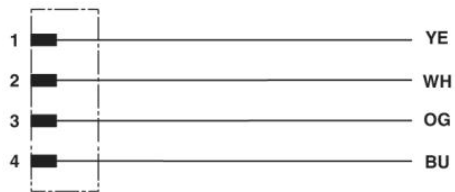


Housing cutout for Pg9 fastening thread, mounting panel with thread

Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

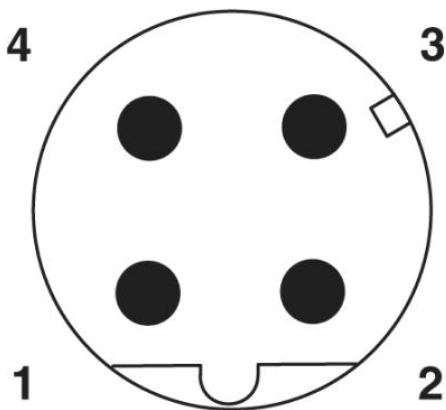


Circuit diagram



Contact assignment of the M12 plug and the M12 socket

Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side