

# SACC-M12MSD-4CON-PG 7-SH

Order No.: 1521258



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1521258>

Bus system plug connector, male, straight, 4-pos., M12, shielded, D-coded, screw connection, metal knurl, cable screw connection Pg7



Ethernet



## Commercial data

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| GTIN (EAN)               | <br>4 017918 968601 |
| sales group              | D124                                                                                                  |
| Pack                     | 1 pcs.                                                                                                |
| Customs tariff           | 85366990                                                                                              |
| Catalog page information | Page 51 (PC-2009)                                                                                     |

## Product notes

WEEE/RoHS-compliant since:  
04/13/2006



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## Technical data

### General data

|                       |        |
|-----------------------|--------|
| Rated current at 40°C | 4 A    |
| Rated voltage         | 60 V   |
| Number of positions   | 4      |
| Volume resistance     | ≤ 3 mΩ |

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Insulation resistance           | $\geq 100 \text{ M}\Omega$                           |
| Ambient temperature (operation) | -40 °C ... 85 °C (Male connector / female connector) |

#### General characteristics

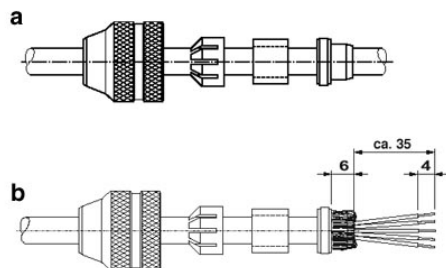
|                                                                       |                               |
|-----------------------------------------------------------------------|-------------------------------|
| Standards/regulations                                                 | M12 connector IEC 61076-2-101 |
| Coding                                                                | D - data                      |
| Surge voltage category                                                | II                            |
| Pollution degree                                                      | 3                             |
| Degree of protection                                                  | IP67                          |
| Insertion/withdrawal cycles                                           | $\geq 100$                    |
| Contact material                                                      | CuZn                          |
| Contact surface material                                              | Au                            |
| Contact carrier material                                              | PA 66                         |
| Material of grip body                                                 | Zinc die-cast, nickel-plated  |
| Material, knurls                                                      | Nickel-plated brass           |
| Sealing material                                                      | NBR                           |
| Type of connection                                                    | Screw connection              |
| Conductor cross section stranded min.                                 | 0.25 mm <sup>2</sup>          |
| Conductor cross section stranded max.                                 | 0.75 mm <sup>2</sup>          |
| Conductor cross section AWG/kcmil min.                                | 24                            |
| Conductor cross section AWG/kcmil max                                 | 18                            |
| Frequency of connections between conductors of the same cross section | $\geq 100$                    |
| External cable diameter                                               | 4 mm ... 6 mm                 |
| Status display                                                        | No                            |

#### Conductor data

|                                         |                                              |
|-----------------------------------------|----------------------------------------------|
| Transmission characteristics (category) | CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001) |
|-----------------------------------------|----------------------------------------------|

## Diagrams/Drawings

### Functional drawing

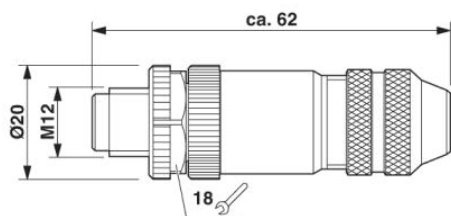


#### Assembly steps for M12 male/female connector and conductor

a = Slide on parts

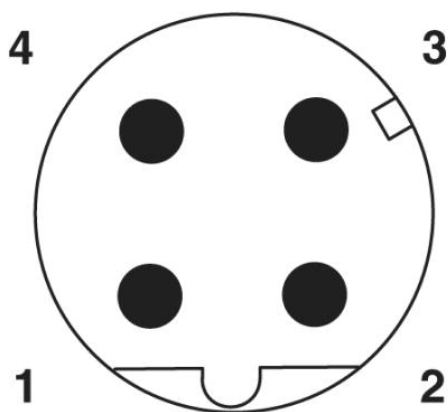
b = Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh. Slide cores through the housing. Mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores. Mount male/female part. Tighten pressure screw.

### Dimensioned drawing

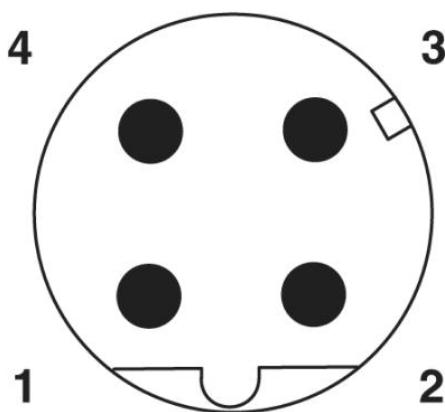


M12 x 1 male connector, straight, shielded

### Schematic diagram



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



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

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