

**SACC-M 8MS-3PCON**

Order No.: 1506752

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1506752>

Sensor/actuator connector, male, straight, 3-pos., M8, Piercecon<sup>®</sup>,  
metal knurl, cable diameter max. 5 mm

**Commercial data**

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| GTIN (EAN)               | <br>4 017918 892678 |
| sales group              | D120                                                                                                  |
| Pack                     | 1 pcs.                                                                                                |
| Customs tariff           | 85366990                                                                                              |
| Catalog page information | Page 41 (PC-2009)                                                                                     |

**Product notes**

WEEE/RoHS-compliant since:  
03/10/2006



[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
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Use apply to Internet downloads.

**Technical data****General data**

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

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Insulation resistance           | ≥ 100 MΩ                                             |
| Ambient temperature (operation) | -25 °C ... 90 °C (Male connector / female connector) |

#### General characteristics

|                                        |                              |
|----------------------------------------|------------------------------|
| Standards/regulations                  | M8 connector IEC 61076-2-104 |
| Coding                                 | A - standard                 |
| Surge voltage category                 | II                           |
| Pollution degree                       | 3                            |
| Degree of protection                   | IP68                         |
| Contact material                       | CuZn                         |
| Contact surface material               | Au                           |
| Contact carrier material               | PA 66                        |
| Material of grip body                  | PA 66                        |
| Material, knurls                       | Nickel-plated brass          |
| Sealing material                       | NBR                          |
| Type of connection                     | Piercecon®                   |
| Conductor cross section stranded min.  | 0.14 mm²                     |
| Conductor cross section stranded max.  | 0.38 mm²                     |
| Conductor cross section AWG/kcmil min. | 22                           |
| Conductor cross section AWG/kcmil max  | 26                           |
| External cable diameter                | 3 mm ... 5 mm                |
| Status display                         | No                           |

#### Certificates / Approvals

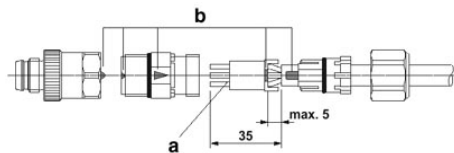


Certification

GOST

## Diagrams/Drawings

### Functional drawing



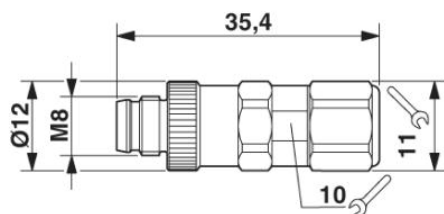
Assembly steps for M8 plug connector with Piercecon® connection

a = Cut flush

b = Coding

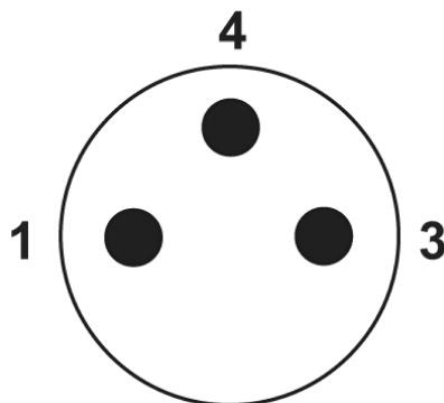
Strip the conductor by approx. 35 mm and slide on the union nut and cable clamp type cage. Without stripping the insulation of the individual cores, guide them into the corresponding chamber of the elastic core clamping and cut them off flush on the contact side. The coding marks must be flush when mounted.

### Dimensioned drawing



M8 x 1 male connector, straight version

### Schematic diagram



Pin assignment M8 plug, 3-pos., view male side

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