

# SAC-4P-M 8MS-M12FS

Order No.: 1519736

The illustration shows the 3-pos. version



Adapter, from M8 male connector to M12 female connector, 4-pos.

## Commercial data

|                          |                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------|
| EAN                      | <br>4 046356 019927 |
| Pack                     | 1                                                                                                    |
| Customs tariff           | 85366990                                                                                             |
| Catalog page information | Page 105 (PC-2009)                                                                                   |

## Product notes

WEEE/RoHS-compliant since:  
2008-01-01



## Technical data

### General data

|                                 |                            |
|---------------------------------|----------------------------|
| Rated current at 40°C           | 4 A                        |
| Rated voltage                   | 30 V                       |
| Number of positions             | 4                          |
| Volume resistance               | $\leq 5 \text{ m}\Omega$   |
| Insulation resistance           | $\geq 100 \text{ M}\Omega$ |
| Ambient temperature (operation) | -25 °C ... 90 °C           |

**General characteristics**

|                             |                                             |
|-----------------------------|---------------------------------------------|
| Standards/regulations       | M12 connector IEC 61076-2-101               |
| Coding                      | A - standard                                |
| Surge voltage category      | II                                          |
| Pollution degree            | 3                                           |
| Degree of protection        | IP65/IP67                                   |
| Insertion/withdrawal cycles | ≥ 100                                       |
| Contact material            | CuSn                                        |
| Contact surface material    | Ni/Au                                       |
| Contact carrier material    | TPU GF                                      |
| Material of grip body       | TPU, hardly inflammable, self-extinguishing |
| Material, knurls            | Zinc die-cast, (nickel-plated)              |
| Sealing material            | NBR                                         |
| Status display              | No                                          |

**Certificates**

Certification

CUL Listed, UL Listed

**Accessories**

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

**Protection and sealing elements**

|         |          |                                                                                                                 |
|---------|----------|-----------------------------------------------------------------------------------------------------------------|
| 1680539 | PROT-M12 | An M12 screw plug for the unoccupied M12 sockets of the sensor/ actuator cable, boxes and flush-type connectors |
|---------|----------|-----------------------------------------------------------------------------------------------------------------|

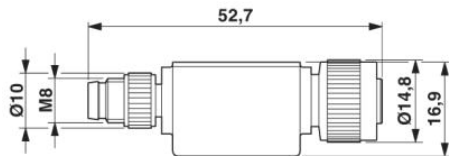
**Tools**

|         |                 |                                                                                                                                                       |
|---------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1208432 | SAC BIT M12-D15 | Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |
| 1208461 | SAC BIT M8-D10  | Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive   |
| 1208487 | TSD 02 SAC      | Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors                                                           |

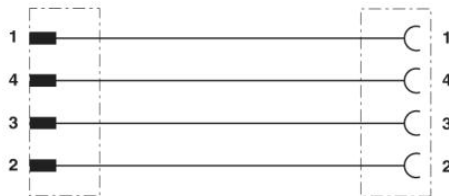
|         |            |                                                                                              |
|---------|------------|----------------------------------------------------------------------------------------------|
| 1208429 | TSD 04 SAC | Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors |
|---------|------------|----------------------------------------------------------------------------------------------|

Drawings

Dimensioned drawing

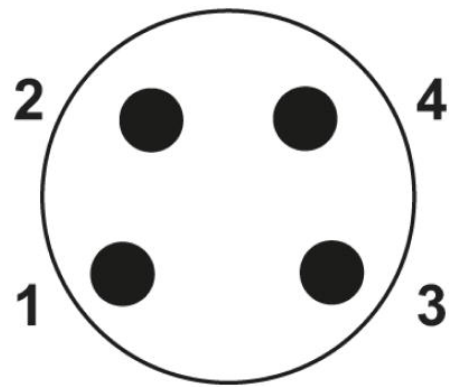


Circuit diagram

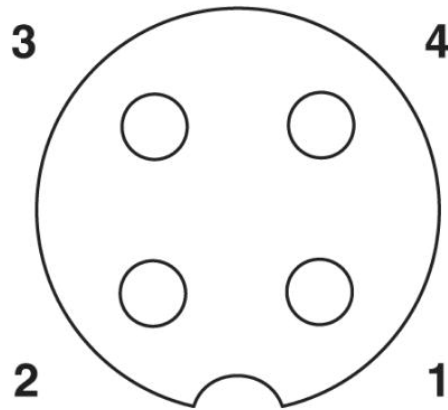


Contact assignment of the M8/M12 adapter

Schematic diagram



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



Pin assignment M12 socket, 4-pos., A-coded, view female side

Layout of connector pin assignments

