

## Connector - SACC-M 8MS-4CON-M - 1681169

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Connector, 4-position, Plug straight M8, A-coded, Solder connection, Knurl material: Nickel-plated brass, External cable diameter 3.5 mm ... 5 mm

### Why buy this product

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: connectors for on-site assembly

RoHS

### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 STK                                                                                                   |
| GTIN                                 | <br>4 017918 157517 |
| GTIN                                 | 4017918157517                                                                                           |
| Weight per Piece (excluding packing) | 8.630 g                                                                                                 |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|                                         |                 |
|-----------------------------------------|-----------------|
| External cable diameter                 | 3.5 mm ... 5 mm |
| Stripping length of the sheath          | 12 mm           |
| Stripping length of the individual wire | 3 mm            |

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Degree of protection            | IP67             |

#### General

|                       |      |
|-----------------------|------|
| Rated current at 40°C | 4 A  |
| Rated voltage         | 30 V |
| Number of positions   | 4    |

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## Technical data

### General

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Insulation resistance       | $\geq 100 \text{ M}\Omega$                    |
| Coding                      | A - standard                                  |
| Standards/regulations       | M8 connector IEC 61076-2-104                  |
| Status display              | No                                            |
| Overvoltage category        | II                                            |
| Degree of pollution         | 3                                             |
| Connection method           | Solder connection                             |
| Conductor cross section     | 0.08 mm <sup>2</sup> ... 0.34 mm <sup>2</sup> |
| Conductor cross section AWG | 28 ... 22                                     |
| Insertion/withdrawal cycles | $\geq 100$                                    |
| Torque                      | 0.2 Nm (M8 knurl)                             |

### Material

|                                        |                     |
|----------------------------------------|---------------------|
| Flammability rating according to UL 94 | HB                  |
| Contact material                       | CuZn                |
| Contact surface material               | Au                  |
| Contact carrier material               | PA                  |
| Material of grip body                  | PBT                 |
| Material, knurls                       | Nickel-plated brass |
| Sealing material                       | NBR                 |

### Cable

|                          |                              |
|--------------------------|------------------------------|
| Standards/specifications | M8 connector IEC 61076-2-104 |
|--------------------------|------------------------------|

### Standards and Regulations

|                                        |                 |
|----------------------------------------|-----------------|
| Standard designation                   | M8 connector    |
| Standards/regulations                  | IEC 61076-2-104 |
| Flammability rating according to UL 94 | HB              |

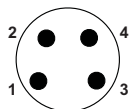
### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

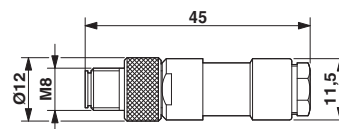
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Schematic diagram



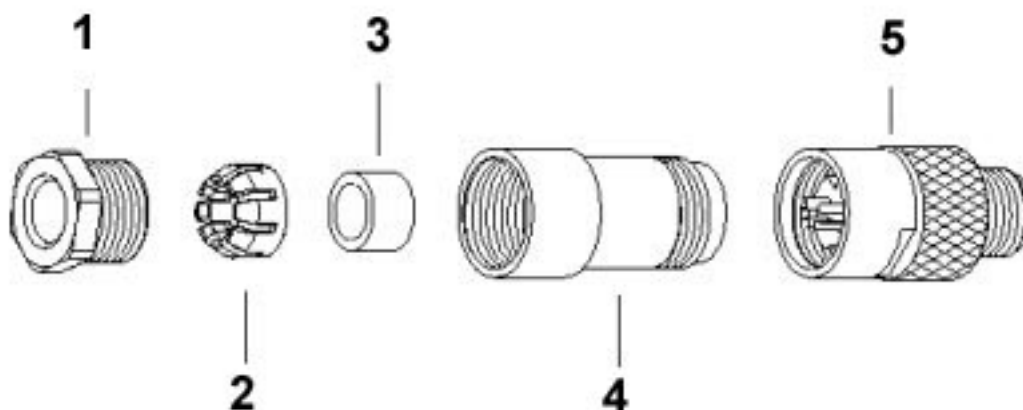
Pin assignment M8 plug, 4-pos., view male side

Dimensional drawing



M8 x 1 male plug, straight version

Schematic diagram



- 1 = pressure screw
- 2 = clamp-type cage
- 3 = gasket
- 4 = housing
- 5 = male or female insert

### Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27279221 |
| eCl@ss 7.0 | 27440104 |
| eCl@ss 8.0 | 27440104 |
| eCl@ss 9.0 | 27440102 |

ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001121 |
|----------|----------|

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC002062 |
| ETIM 4.0 | EC002062 |
| ETIM 5.0 | EC002062 |
| ETIM 6.0 | EC002062 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 39121413 |

### Approvals

#### Approvals

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EAC / EAC / UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

#### Approval details

|     |                                                                                     |                     |
|-----|-------------------------------------------------------------------------------------|---------------------|
| EAC |  | 7500651.22.01.00246 |
|-----|-------------------------------------------------------------------------------------|---------------------|

|     |                                                                                     |               |
|-----|-------------------------------------------------------------------------------------|---------------|
| EAC |  | EAC-Zulassung |
|-----|-------------------------------------------------------------------------------------|---------------|

|                                |                                                                                     |                                                                                                                                                       |               |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized                  |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 221474 |
| Nominal current I <sub>N</sub> | 4 A                                                                                 |                                                                                                                                                       |               |
| Nominal voltage U <sub>N</sub> | 30 V                                                                                |                                                                                                                                                       |               |

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### Approvals

|                                |                                                                                   |                                                                                                                                                       |               |
|--------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
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| Nominal current I <sub>N</sub> |                                                                                   | 4 A                                                                                                                                                   |               |
| Nominal voltage U <sub>N</sub> |                                                                                   | 30 V                                                                                                                                                  |               |

|                  |                                                                                   |                                                                                                                                                       |
|------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| cULus Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> |
|------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

### Accessories

#### Accessories

##### Cable by the meter

Cable reel - SAC-4P-100,0-PUR/0,25 - 1501692



Cable ring, PUR halogen-free black, 4-pos., conductor colors: brown / white / blue / black, cable length: 100 m

#### Protective cap

Sealing cap - PROT-M 8 FS-PA-CHAIN - 1430857

M8 sealing cap made of plastic with fixing band for sensor cables, for M8 plugs



#### Screwdriver tools

Tool - SACC BIT M8-D12 - 1208474



Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 12 mm, for 4 mm hexagonal drive

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### Accessories

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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### Seal

Connector - SACC-M 8-SET/2,2-3,5 - 1436945



Sensor/actuator connector, accessories, pressure screw and seal, for unshielded M8 connector, cable diameter 2.2 mm - 3.5 mm

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### Torque tool

Torque screwdriver - TSD 02 SAC - 1208487



Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

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Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm