

## Connectors - SACC-M 8MS-4QO-0,25-M - 1441011

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Sensor/actuator connector, male connector, straight, 4-pos., M8, QUICKON-ONE, metal knurl, maximum cable diameter of 5.0 mm

### Key commercial data

|                        |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| Packing unit           | 0                                                                                                      |
| Minimum order quantity | 1                                                                                                      |
| Catalog page           | Page 68 (PC-2011)                                                                                      |
| GTIN                   | <br>4 046356 515900 |
| Custom tariff number   | 85366990                                                                                               |
| Country of origin      | GERMANY                                                                                                |

### Technical data

#### General data

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Rated current at 40°C           | 4 A                                                  |
| Rated voltage                   | 30 V                                                 |
| Number of positions             | 4                                                    |
| Volume resistance               | ≤ 5 mΩ                                               |
| Insulation resistance           | ≥ 100 MΩ                                             |
| Ambient temperature (operation) | -25 °C ... 80 °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     | IP65/67                      |
| Torque                   | 0.6 Nm (Pressure nut)        |
| Torque                   | 0.2 Nm (M8 knurl)            |
| Contact material         | CuSn                         |
| Contact surface material | Ni/Au                        |
| Contact carrier material | TPU GF                       |
| Material of grip body    | PA 6                         |
| Material, knurls         | Nickel-plated brass          |

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## Technical data

### General characteristics

|                                                                             |                                               |
|-----------------------------------------------------------------------------|-----------------------------------------------|
| Connection method                                                           | Insulation displacement connection            |
| Conductor cross section                                                     | 0.08 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> |
| AWG conductor cross section                                                 | 28 ... 24                                     |
| Wire diameter including insulation                                          | 0.75 mm ... 1.5 mm ±0.05 mm                   |
| Frequency of connections between conductors of the same cross section       | 10                                            |
| External cable diameter                                                     | 2.5 mm ... 5 mm ± 0.2 mm                      |
| Wire insulation material                                                    | PVC/PE/PP                                     |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | Class 2-6                                     |
| Status display                                                              | No                                            |
| Stripping length of the sheath                                              | 40 mm                                         |

## Classifications

### eclass

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27279221 |
| eCl@ss 7.0 | 27440104 |

### etim

|          |          |
|----------|----------|
| ETIM 2.0 | EC001121 |
| ETIM 3.0 | EC002062 |
| ETIM 4.0 | EC002062 |

### unspsc

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211824 |
| UNSPSC 7.0901 | 39121413 |
| UNSPSC 11     | 39121413 |
| UNSPSC 12.01  | 39121413 |
| UNSPSC 13.2   | 39121413 |

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

## Connectors - SACC-M 8MS-4QO-0,25-M - 1441011

### Approvals

Ex Approvals

Approvals submitted

#### Approval details

|                                                                                                 |      |
|-------------------------------------------------------------------------------------------------|------|
| UL Recognized  |      |
| mm²/AWG/kcmil                                                                                   | 28   |
| Nominal current I <sub>N</sub>                                                                  | 1 A  |
| Nominal voltage U <sub>N</sub>                                                                  | 29 V |

|                                                                                                    |      |
|----------------------------------------------------------------------------------------------------|------|
| cUL Recognized  |      |
| mm²/AWG/kcmil                                                                                      | 28   |
| Nominal current I <sub>N</sub>                                                                     | 1 A  |
| Nominal voltage U <sub>N</sub>                                                                     | 29 V |

|                                                                                          |
|------------------------------------------------------------------------------------------|
| GOST  |
|------------------------------------------------------------------------------------------|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

### Accessories

Accessories

Cable/conductor

Sensor/Actuator cable - 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

Protection and sealing elements

## Connectors - SACC-M 8MS-4QO-0,25-M - 1441011

### Accessories

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

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



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### Tools

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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Tool - SAC BIT M8-D10 - 1208461



Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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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

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



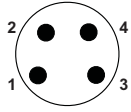
Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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### Drawings

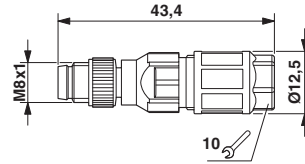
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Schematic diagram



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

Dimensioned drawing



M8 x 1 male connector, straight version

Functional drawing

