



## Flush-type connector - SACC-SQ-M12MS-5CON-25F/0,5 - 1440973

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Sensor/Actuator flush-type plug, 5-pos., M12, A-coded, front/square flange mounting, with 0.5 m TPE litz wire, 5 x 0.34 mm<sup>2</sup>

### Product Features

- ✓ 4 x fixing hole, 2.7 mm
- ✓ With form seal for M2.5 screws



### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 1      |
| Weight per Piece (excluding packing) | 26.2 GRM |
| Custom tariff number                 | 85444290 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                 |       |
|-----------------|-------|
| Length of cable | 0.5 m |
|-----------------|-------|

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| Degree of protection            | IP67                             |

#### General

|                       |              |
|-----------------------|--------------|
| Rated current at 40°C | 4 A          |
| Rated voltage         | 60 V         |
| Number of positions   | 5            |
| Contact resistance    | ≤ 3 mΩ       |
| Insulation resistance | ≥ 100 MΩ     |
| Coding                | A - standard |

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### Technical data

#### General

|                        |                               |
|------------------------|-------------------------------|
| Standards/regulations  | M12 connector IEC 61076-2-101 |
| Status display         | No                            |
| Surge voltage category | II                            |
| Pollution degree       | 3                             |
| Test voltage           | 1.5 kV                        |
| Connection method      | Individual wires              |
| Mounting type          | Front mounting Square flange  |

#### Material

|   |                              |
|---|------------------------------|
| Inflammability class according to UL 94 | V0                           |
| Contact material                        | CuZn                         |
| Contact surface material                | Ni/Au                        |
| Contact carrier material                | PA 66                        |
| Material, knurls                        | Zinc die-cast, nickel-plated |
| Sealing material                        | NBR                          |

#### Cable

|                                 |  |
|---------------------------------|--|
| Cable type                      | TPE litz wire                                |
| Conductor cross section         | 0.34 mm <sup>2</sup>                         |
| AWG signal line                 | 22   |
| Wire colors                     | Brown, white, blue, black, gray              |
| Conductor material              | Tin-plated Cu litz wires                     |
| Ambient temperature (operation) | -25 °C ... 90 °C (cable, fixed installation) |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27279220 |
| eCl@ss 7.0 | 27440103 |
| eCl@ss 8.0 | 27440103 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001297 |
| ETIM 3.0 | EC002061 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002061 |
| ETIM 5.0 | EC002061 |

### 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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#### Approvals

UL Recognized / GOST / GOST

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#### Ex Approvals


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#### Approvals submitted

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## Approval details

|   |       |
|---|-------|
| UL Recognized  |       |
| mm <sup>2</sup> /AWG/kcmil  | 26-20 |
| Nominal current I <sub>N</sub>  | 4 A   |
| Nominal voltage U <sub>N</sub>  | 60 V  |

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

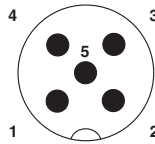
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## Approvals



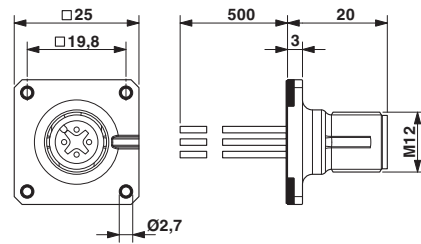
## Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

Dimensioned drawing



M12 flush-type plug

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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