

## Flush-type connector - SACC-SQ-M12FS-12CON-20/0,5 - 1441710

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Sensor/actuator flush-type socket, 12-pos., M12, A-coded, front/square flange mounting, with 0.5 m TPE litz wire, 12 x 0.14 mm

### Product Features

- ✓ 4 x fixing hole, 3.2 mm
- ✓ With form seal for M3 screws



### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 1             |
| GTIN             | 4046356533058 |

### 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  | 1.5 A                                          |
| Rated voltage          | 30 V                                           |
| Number of positions    | 12                                             |
| Contact resistance     | ≤ 3 mΩ                                         |
| Insulation resistance  | ≥ 100 MΩ                                       |
| Coding                 | A - standard                                   |
| Standards/regulations  | M12 connector IEC 61076-2-101                  |
| Status display         | No                                             |
| Surge voltage category | II                                             |
| Pollution degree       | 3                                              |
| Connection method      | Individual wires                               |
| Mounting type          | Front mounting Square flange 20 mm side length |

### Material

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## Technical data

### Material

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

### Cable

|                                        |                                              |
|----------------------------------------|----------------------------------------------|
| <b>Cable type</b>                      | TPE litz wire                                |
| <b>Conductor cross section</b>         | 0.14 mm <sup>2</sup>                         |
| <b>AWG signal line</b>                 | 26                                           |
| <b>Wire colors</b>                     | Color-coded DIN 47100                        |
| <b>Material conductor insulation</b>   | TPE                                          |
| <b>Conductor material</b>              | Tin-plated Cu litz wires                     |
| <b>Ambient temperature (operation)</b> | -25 °C ... 90 °C (cable, fixed installation) |

## classifications

### eCl@ss

|                   |          |
|-------------------|----------|
| <b>eCl@ss 4.0</b> | 27250313 |
| <b>eCl@ss 4.1</b> | 27250313 |
| <b>eCl@ss 5.0</b> | 27143423 |
| <b>eCl@ss 5.1</b> | 27143423 |
| <b>eCl@ss 6.0</b> | 27143423 |
| <b>eCl@ss 7.0</b> | 27449001 |
| <b>eCl@ss 8.0</b> | 27449001 |

### ETIM

|                 |          |
|-----------------|----------|
| <b>ETIM 4.0</b> | EC002061 |
| <b>ETIM 5.0</b> | EC002061 |

### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 31251501 |
| <b>UNSPSC 7.0901</b> | 31251501 |
| <b>UNSPSC 11</b>     | 31251501 |
| <b>UNSPSC 12.01</b>  | 31251501 |
| <b>UNSPSC 13.2</b>   | 31251501 |

## approvals

GOST / GOST /

### Approval details

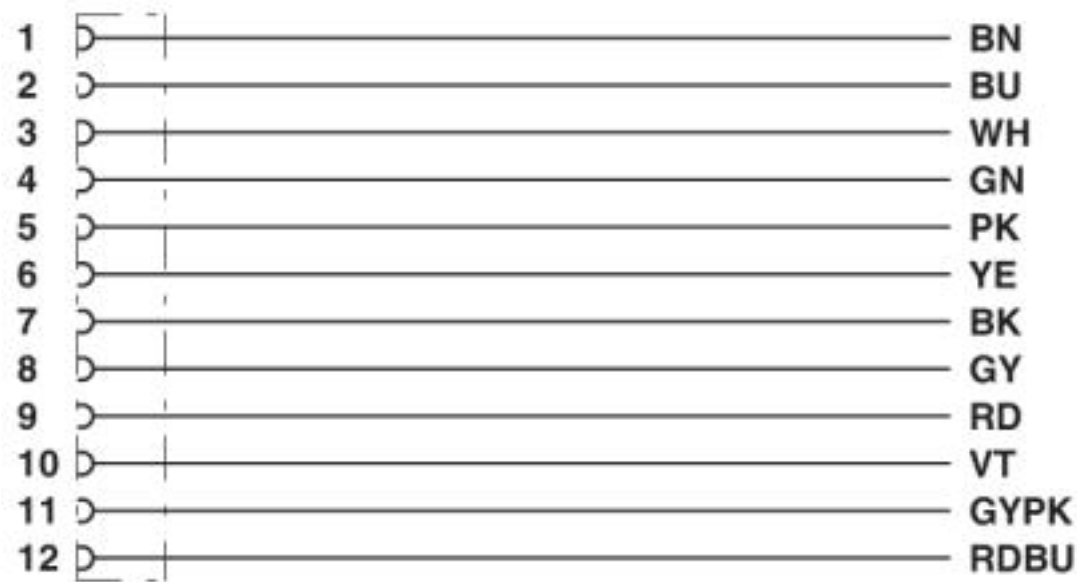
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approvals



Drawings

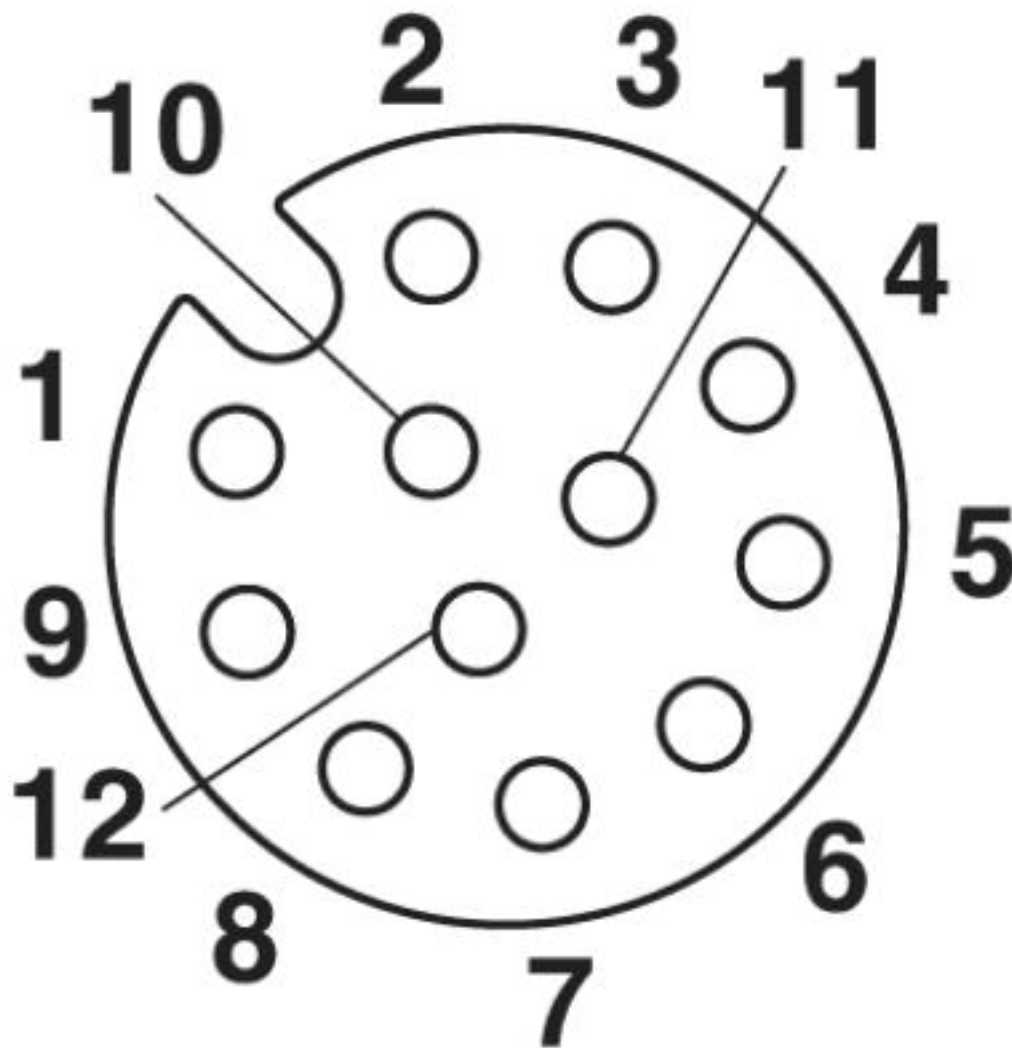
Circuit diagram



Contact assignment of the M12 socket

## Flush-type connector - SACC-SQ-M12FS-12CON-20/0,5 - 1441710

Schematic diagram



Pin assignment M12, 12-pos., female side view

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