

## Panel feed-through - SACC-E-M12FSB-5CON-M20/0,5 VA - 1452097

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Sensor/actuator flush-type socket, 5-pos., M12, B-coded, front/screw mounting with M20 x 1.5 thread, with 0.5 m TPE litz wire, 5 x 0.34 mm<sup>2</sup>, high-grade steel version



### Key commercial data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 1      |
| 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                             |
|                                 | IP69K                            |

#### 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                 | B - inverse                   |
| Standards/regulations  | M12 connector IEC 61076-2-101 |
| Status display         | No                            |
| Surge voltage category | II                            |
| Pollution degree       | 3                             |

## Panel feed-through - SACC-E-M12FSB-5CON-M20/0,5 VA - 1452097

### Technical data

#### General

|                   |                          |
|-------------------|--------------------------|
| Connection method | Individual wires         |
| Mounting type     | Front mounting M20 x 1,5 |

#### Material

|                                         |                  |
|-----------------------------------------|------------------|
| Inflammability class according to UL 94 | V0               |
| Contact material                        | CuZn             |
| Contact surface material                | Au               |
| Contact carrier material                | PA 66            |
| Material, knurls                        | High-grade steel |
| Sealing material                        | FKM              |

#### Cable

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Cable type                         | TPE litz wire                                |
| Conductor cross section            | 0.34 mm <sup>2</sup>                         |
| AWG signal line                    | 22                                           |
| Conductor structure signal line    | 7x 0.25 mm                                   |
| Core diameter including insulation | 1.2 mm ±0.07 mm                              |
| Thickness, insulation              | 0.21 mm                                      |
| Wire colors                        | Brown, white, blue, black, gray              |
| Material conductor insulation      | TPE                                          |
| Conductor material                 | Tin-plated Cu litz wires                     |
| Insulation resistance              | ≥ 20 MΩ*km                                   |
| Conductor resistance               | ≤ 57.6 mΩ/m                                  |
| Nominal voltage, cable             | 300 V                                        |
| Test voltage, cable                | 2000 V AC                                    |
| 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 |

## Panel feed-through - SACC-E-M12FSB-5CON-M20/0,5 VA - 1452097

### Classifications

#### ETIM

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

---

#### Approvals

#### GOST / GOST

---

#### Ex Approvals

---

#### Approvals submitted

---

### Approval details

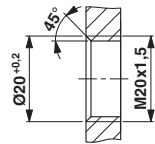
|                                                                                          |
|------------------------------------------------------------------------------------------|
| GOST  |
|------------------------------------------------------------------------------------------|

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

### Drawings

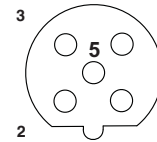
## Panel feed-through - SACC-E-M12FSB-5CON-M20/0,5 VA - 1452097

Dimensioned drawing



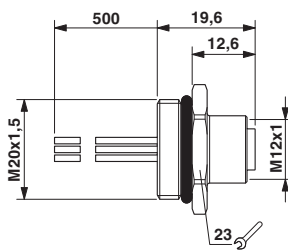
Housing cutout for M20 fastening thread, mounting panel with thread

Schematic diagram



Pin assignment M12 socket, 5-pos., B-coded, female side

Dimensioned drawing



M12 flush-type socket

Circuit diagram



Contact assignment of the M12 plug and the M12 socket