# Panel feed-through - SACC-E-M12MS-5CON-PG9/0,5 - 1671111

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Sensor/Actuator flush-type plug, 5-pos., M12, A-coded, front/screw mounting with PG9 thread, with 0.5 m TPE litz wire, 5 x 0.34 mm²

## Key commercial data

| | |
|---|---|
| Packing unit | 1 |
| Minimum order quantity | 1 |
| Catalog page | Page 27 (PC-2011) |
| GTIN | 4 017918 134969 |
| Custom tariff number | 85366990 |
| Country of origin | GERMANY |

## Technical data

### General data

| | |
|---|---|
| Rated current at 40°C | 4 A |
| Rated voltage | 60 V |
| Number of positions | 5 |
| Volume resistance | ≤ 3 mΩ |
| Insulation resistance | > 100 MΩ |
| Length of cable | 0.5 m |
| Ambient temperature (operation) | -25 °C ... 85 °C (Male connector / female connector) |

### General characteristics

| | |
|---|---|
| Standards/regulations | M12 plug-in connector IEC 61076-2-101 |
| Coding | A - standard |
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP67 |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Contact carrier material | PA66 |
| Material, knurls | Nickel-plated brass |

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## Technical data

### General characteristics

| | |
|---|---|
| Sealing material | NBR |
| Mounting type | Front mounting Pg9 |
| Connection method | Individual wires |
| Status display | No |

### Conductor data

| | |
|---|---|
| Cable type | TPE litz wire |
| Conductor cross section | 0.34 mm² |
| 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 | Black, brown,blue, white, gray |
| Material conductor insulation | TPE |
| Conductor material | Tin-plated Cu litz wires |
| Insulation resistance | ≥ 20 MΩ*km |
| Conductor resistance | ≤ 57.6 Ω/km |
| Nominal voltage, conductor | 300 V |
| Test voltage, conductor | 2000 V AC |
| Ambient temperature (operation) | -25 °C ... 90 °C (cable, fixed installation) |

## 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 | 27143423 |
| eCl@ss 7.0 | 27449001 |

### etim

| | |
|---|---|
| ETIM 2.0 | EC001297 |
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC002061 |

### unspsc

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

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## Approvals

### Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

UL Recognized

| | |
|---|---|
| mm²/AWG/kcmil | 26-2 |
| Nominal current IN | 4 A |
| Nominal voltage UN | 60 V |

cUL Recognized

| | |
|---|---|
| Nominal current IN | 4 A |
| Nominal voltage UN | 125 V |

GOST

cULus Recognized

## Accessories

### Accessories

Assembly

# Panel feed-through - SACC-E-M12MS-5CON-PG9/0,5 - 1671111

## Accessories

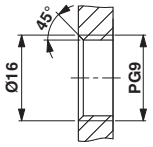
Flat nut - SACC-E-MU-PG9 - 1504084



Flat nut with Pg9 thread

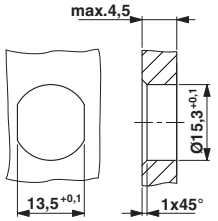
## Drawings

### Dimensioned drawing



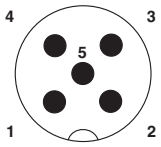

Housing cutout for Pg9 fastening thread, mounting panel with thread

### Dimensioned drawing



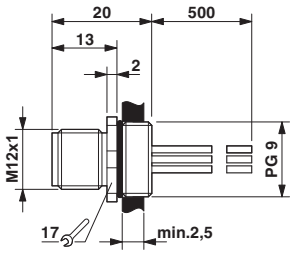

Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

### Schematic diagram




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

### Dimensioned drawing




M12 flush-type connector, can be positioned

### Circuit diagram




Contact assignment of the M12 plug and the M12 socket

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