

## Panel feed-through - SACC-DSI-FS-5CON-PG9/0,5 SCODC - 1547931

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Sensor/actuator flush-type socket, 5-pos., M12, A-coded, rear/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 5 x 0.5 mm<sup>2</sup>

### Your advantages

- ✓ Pre-assembled with litz wires for immediate use
- ✓ Customer-specific assemblies and litz wire lengths available
- ✓ Sealed on the litz wire side for optimum leak-tightness
- ✓ All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- ✓ For high transmission safety: shield connection to the housing with optional EMC nut
- ✓ SPEEDCON fast locking system reduces cabling times



### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 pc          |
| GTIN         |               |
| GTIN         | 4046356136419 |

### Technical data

#### Dimensions

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

#### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP67 |
|----------------------|------|

#### General

|                       |  |
|-----------------------|--|
| Note                  | The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration. |
| Rated current at 40°C | 4 A  |
| Rated voltage         | 60 V   |

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## Technical data

### General

|                             |                                   |
|-----------------------------|-----------------------------------|
| Number of positions         | 5                                 |
| Coding                      | A - standard                      |
| Standards/regulations       | M12 connector IEC 61076-2-101     |
| Signal type/category        | Universal                         |
| Status display              | No                                |
| Overvoltage category        | III                               |
| Degree of pollution         | 3                                 |
| Connection method           | Individual wires                  |
| Insertion/withdrawal cycles | > 100                             |
| Torque                      | 3 Nm ... 4 Nm (Installation-side) |
| Mounting type               | Rear mounting Pg9 With flat nut   |

### Material

|  |                              |
|--|------------------------------|
| Flammability rating according to UL 94 | V0                           |
| Contact material                       | CuZn                         |
| Contact surface material               | Au                           |
| Contact carrier material               | PA 6.6                       |
| Material, knurls                       | Zinc die-cast, nickel-plated |
| Sealing material                       | FKM                          |

### Cable

|                                    |                                 |
|------------------------------------|---------------------------------|
| Cable type                         | PVC litz wire                   |
| Conductor cross section            | 0.5 mm <sup>2</sup>             |
| Core diameter including insulation | 1.8 mm                          |
| Wire colors                        | Black, brown, blue, white, gray |
| Material conductor insulation      | PVC                             |
| Conductor material                 | Tin-plated Cu litz wires        |
| Standards/specifications           | M12 connector IEC 61076-2-101   |

### Standards and Regulations

|  |                 |
|--|-----------------|
| Standard designation                   | M12 connector   |
| Standards/regulations                  | IEC 61076-2-101 |
| Flammability rating according to UL 94 | V0              |

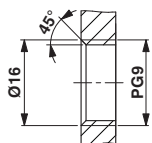
### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

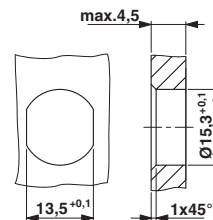
# Panel feed-through - SACC-DSI-FS-5CON-PG9/0,5 SCODC - 1547931

Dimensional drawing



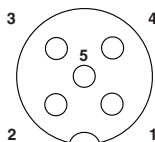
Housing cutout for Pg9 fastening thread, mounting panel with thread

Dimensional drawing



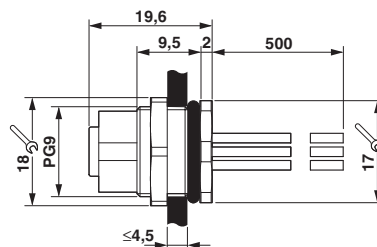
Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

Dimensional drawing



M12 flush-type connector

Circuit diagram



Contact assignment of the M12 socket

## Approvals

Approvals

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Approvals

EAC

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Ex Approvals

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Approval details

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### Approvals

EAC



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