

## Panel feed-through - SACC-DSI-M12FS-5CON-PG9/0,5 P - 1436356

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Sensor/Actuator flush-type connector, socket, 5-pos., M12, A-coded, rear/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 5 x 0.25 mm<sup>2</sup>, plastic version



### Key commercial data

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit         | 1 PCE                                                                                                   |
| Catalog page         | Page 61 (PC-2011)                                                                                       |
| GTIN                 | <br>4 046356 438322 |
| Custom tariff number | 85444290                                                                                                |
| 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 (Plug / socket) |

#### 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                                  |

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### Technical data

#### General characteristics

|                          |                                 |
|--------------------------|---------------------------------|
| Contact material         | CuZn                            |
| Contact surface material | Au                              |
| Contact carrier material | PA 66                           |
| Material, knurls         | PA 66                           |
| Sealing material         | Viton                           |
| Mounting type            | Rear mounting Pg9 With flat nut |
| Connection method        | Individual wires                |
| Status display           | No                              |

#### Conductor data

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Cable type                         | TPE litz wire                                |
| Conductor cross section            | 0.25 mm <sup>2</sup>                         |
| AWG signal line                    | 24                                           |
| Conductor structure signal line    | 14x 0.15 mm                                  |
| Core diameter including insulation | 1.15 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               | ≤ 80 Ω/km                                    |
| Nominal voltage, conductor         | 300 V                                        |
| Test voltage, conductor            | 2000 V AC                                    |
| Ambient temperature (operation)    | -25 °C ... 85 °C (cable, fixed installation) |

### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC002062 |
| ETIM 4.0 | EC002061 |
| ETIM 5.0 | EC002061 |

#### UNSPSC

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

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Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250313 |
| eCl@ss 4.1 | 27250313 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27449001 |

Approvals

Approvals

Approvals

GOST

Ex Approvals

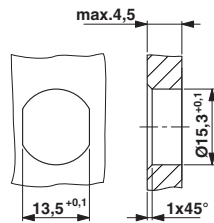
Approvals submitted

Approval details

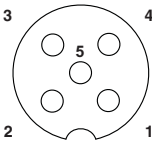
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Drawings

Dimensioned drawing



Schematic diagram

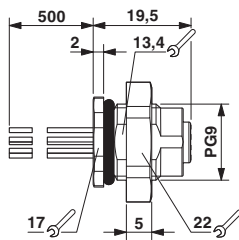


Pin assignment M12 socket, 5-pos., A-coded, socket side view

Housing cutout for M12 fastening thread, mounting panel with feed-through hole (alternative with surface as protection against rotation)

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Dimensioned drawing



Circuit diagram



Contact assignment of the M12 socket

M12 flush-type connector

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