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## Flush-type connector - SACC-DSI-MS-5CON-L180/12 SCO - 1552311


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Sensor/actuator flush-type plug, 5-pos., M12-SPEEDCON, A-coded, rear/screw mounting with Pg9 thread, with straight solder connection, design with 12 mm long solder pins



### Key Commercial Data

|                        |   |
|------------------------|---|
| Packing unit           | 20 STK  |
| Minimum order quantity | 20 STK  |
| GTIN                   | <br>4 046356 162166 |

### Technical data

#### Dimensions

|                          |       |
|--------------------------|-------|
| Length of the solder pin | 12 mm |
|--------------------------|-------|

#### Ambient conditions

|                                 |   |
|---------------------------------|---|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket)                |
|                                 | -40 °C ... 85 °C (without mechanical actuation) |
| 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   |
| Rated surge voltage   | 1.5 kV   |
| Number of positions   | 5  |
| Insulation resistance | ≥ 100 MΩ   |
| Coding                | A - standard   |
| Standards/regulations | M12 connector IEC 61076-2-101  |

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## Technical data

### General

|                             |                                   |
|-----------------------------|-----------------------------------|
| Status display              | No                                |
| Overvoltage category        | II                                |
| Degree of pollution         | 3                                 |
| Connection method           | Solder pins                       |
| 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 66                        |
| Material, knurls                       | Zinc die-cast, nickel-plated |
| Sealing material                       | NBR                          |

### Cable

|                                 |   |
|---------------------------------|---|
| Ambient temperature (operation) | -40 °C ... 85 °C (cable, fixed installation)    |
|                                 | -25 °C ... 85 °C (cable, flexible installation) |

### Standards and Regulations

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

## 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 |
| eCl@ss 8.0 | 27440103 |

### ETIM

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

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 6.01 | 31261501 |
|-------------|----------|

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## Classifications

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11     | 31261501 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 31261501 |

## Approvals

### Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approvals submitted

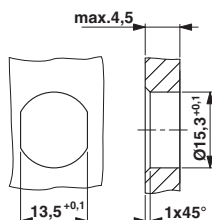
### Approval details

|     |
|-----|
| EAC |
|-----|

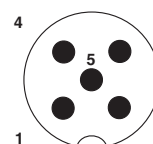
|                                |      |
|--------------------------------|------|
| cULus Recognized               |      |
| mm <sup>2</sup> /AWG/kcmil     | 20   |
| Nominal current I <sub>N</sub> | 4 A  |
| Nominal voltage U <sub>N</sub> | 60 V |

## Drawings

Dimensional drawing



Schematic diagram

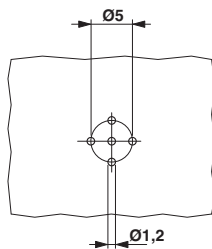


Pin assignment M12 male connector, 5-pos., A-coded, male side

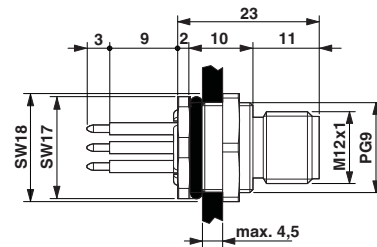
Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with area as anti-rotation protection for panel thicknesses > 2 mm up to max. 4.5 mm)

## Flush-type connector - SACC-DSI-MS-5CON-L180/12 SCO - 1552311

Drilling diagram

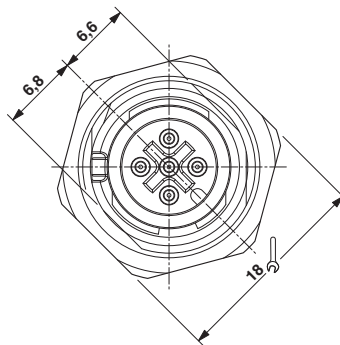


Dimensional drawing



M12 flush-type connector

Dimensional drawing



M12 front view

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|--|---------|------------------------------|----------------------------|
| Sensor/actuator flush-type plug, 5-pos., M12-SPEEDCON, A-coded, rear/screw mounting with Pg9 thread, with straight solder connection, design with 12 mm long solder pins | 1552311 | SACC-DSI-MS-5CON-L180/12 SCO | <a href="#">Buy on EAN</a> |