

# Device connector, rear mounting - SACC-DSI-M8FS-4CON-M10-L180 SH - 1456129

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Sensor/actuator flush-type connector, socket, 4-pos. M8, rear/screw mounting with M10 fastening thread, with straight solder connection

## Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- Standard pin assignments and codings for signal transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing and latching on the PCB



## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 20 pc         |
| GTIN         |               |
| GTIN         | 4046356605762 |

## Technical data

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C |
|                                 | -25 °C ... 85 °C |
| 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         | 48 V AC  |
|                       | 60 V DC  |

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## Technical data

### General

|                             |                                     |
|-----------------------------|-------------------------------------|
| Rated surge voltage         | 1.5 kV                              |
| Number of positions         | 4                                   |
| Insulation resistance       | ≥ 100 MΩ                            |
| Coding                      | A - standard                        |
| Standards/regulations       | M8 connector IEC 61076-2-104        |
| Status display              | No                                  |
| Overvoltage category        | II                                  |
| Degree of pollution         | 3                                   |
| Connection method           | Solder pins                         |
| Insertion/withdrawal cycles | > 100                               |
| Tightening torque           | 1 Nm ... 1.5 Nm (Installation-side) |
| Mounting type               | Rear mounting M10 With flat nut     |
| Thread type                 | M10                                 |

### Material

|  |                              |
|--|------------------------------|
| Flammability rating according to UL 94 | HB                           |
| Contact material                       | Cu alloy                     |
| Contact surface material               | Au                           |
| Contact carrier material               | PA 6.6                       |
| Material, knurls                       | Zinc die-cast, nickel-plated |
| Sealing material                       | NBR                          |
| Additional material specifications     | PU 2K (Grout material)       |

### Cable

|                          |                              |
|--------------------------|------------------------------|
| Standards/specifications | M8 connector IEC 61076-2-104 |
|--------------------------|------------------------------|

### Standards and Regulations

|                          |                              |
|--------------------------|------------------------------|
| Standards/specifications | M8 connector IEC 61076-2-104 |
|--------------------------|------------------------------|

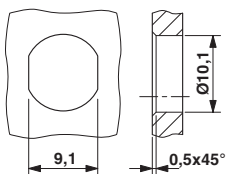
### Environmental Product Compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1   |
| China RoHS | Environmentally Friendly Use Period = 50 years   |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

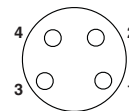
## Drawings

# Device connector, rear mounting - SACC-DSI-M8FS-4CON-M10-L180 SH - 1456129

Dimensional drawing



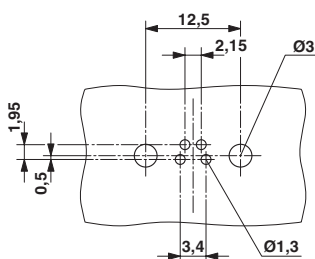
Schematic diagram



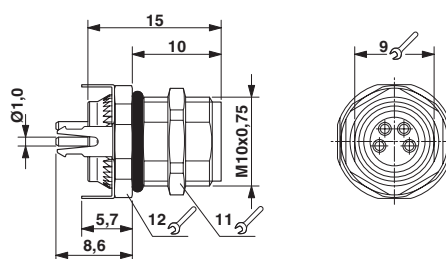
Pin assignment M8 socket, 4-pos., view female side

Mounting panel with feed-through hole

Drilling diagram



Dimensional drawing



Drilling diagram

M8 flush-type socket

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 11.0   | 27440102 |
| eCl@ss 4.0    | 27140800 |
| eCl@ss 4.1    | 27140800 |
| eCl@ss 5.0    | 27143400 |
| eCl@ss 5.1    | 27143400 |
| eCl@ss 6.0    | 27279200 |
| eCl@ss 7.0    | 27440103 |
| eCl@ss 9.0    | 27440102 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002061 |
| ETIM 6.0 | EC002061 |
| ETIM 7.0 | EC002635 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |

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## Classifications

### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2  | 39121413 |
| UNSPSC 18.0  | 39121413 |
| UNSPSC 19.0  | 39121413 |
| UNSPSC 20.0  | 39121413 |
| UNSPSC 21.0  | 39121400 |

## Approvals


### Approvals


#### Approvals


UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

|                            |   |   |               |
|----------------------------|---|---|---------------|
| UL Recognized              |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 221474 |
| Nominal voltage UN         | 30 V  |   |               |
| Nominal current IN         | 4 A   |   |               |
| mm <sup>2</sup> /AWG/kcmil | 24  |   |               |

|                            |   |   |               |
|----------------------------|---|---|---------------|
| cUL Recognized             |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 221474 |
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|     |   |         |
|-----|---|---------|
| EAC |  | B.01687 |
|-----|---|---------|

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### Approvals

cULus Recognized



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