

## Flush-type connector - SACC-CI-M8FSB-5P SMD T - 1412222

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Flush-type connector, Universal, 5-position, Socket, straight, M8, B-coded, PCB mounting, SMD

### Your advantages

- ✓ Reduced mounting costs thanks to two-piece device connector
- ✓ Packaging available for automated pick and place assembly
- ✓ All common pin assignments and codings available
- ✓ Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate

RoHS

### Key Commercial Data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 60 pc                                                                                                   |
| Minimum order quantity | 60 pc                                                                                                   |
| GTIN                   | <br>4 046356 988315 |
| GTIN                   | 4046356988315                                                                                           |

### Technical data

#### Ambient conditions

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Ambient temperature (operation) | -25 °C ... 105 °C (Plug / socket)                |
|                                 | -55 °C ... 105 °C (without mechanical actuation) |
| Degree of protection            | IP67 (correctly plugged in and locked)           |

#### 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 | 3 A                                                                                                                                                                                                                                                                                                                                                |
| Rated voltage         | 30 V AC                                                                                                                                                                                                                                                                                                                                            |
|                       | 30 V DC                                                                                                                                                                                                                                                                                                                                            |

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## Technical data

### General

|                       |                              |
|-----------------------|------------------------------|
| Number of positions   | 5                            |
| Insulation resistance | ≤ 100 MΩ                     |
| Coding                | B - standard                 |
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Signal type/category  | Universal                    |
| Overvoltage category  | II                           |
| Connection method     | SMD                          |
| Mounting type         | PCB mounting                 |
| Type of packaging     | Tray                         |

### Material

|                                        |      |
|----------------------------------------|------|
| Flammability rating according to UL 94 | V0   |
| Contact material                       | CuZn |
| Contact surface material               | Au   |
| Contact carrier material               | PA   |
| Sealing material                       | FKM  |

### Cable

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

### Standards and Regulations

|                                        |                              |
|----------------------------------------|------------------------------|
| Standards/specifications               | M8 connector IEC 61076-2-104 |
| Flammability rating according to UL 94 | V0                           |

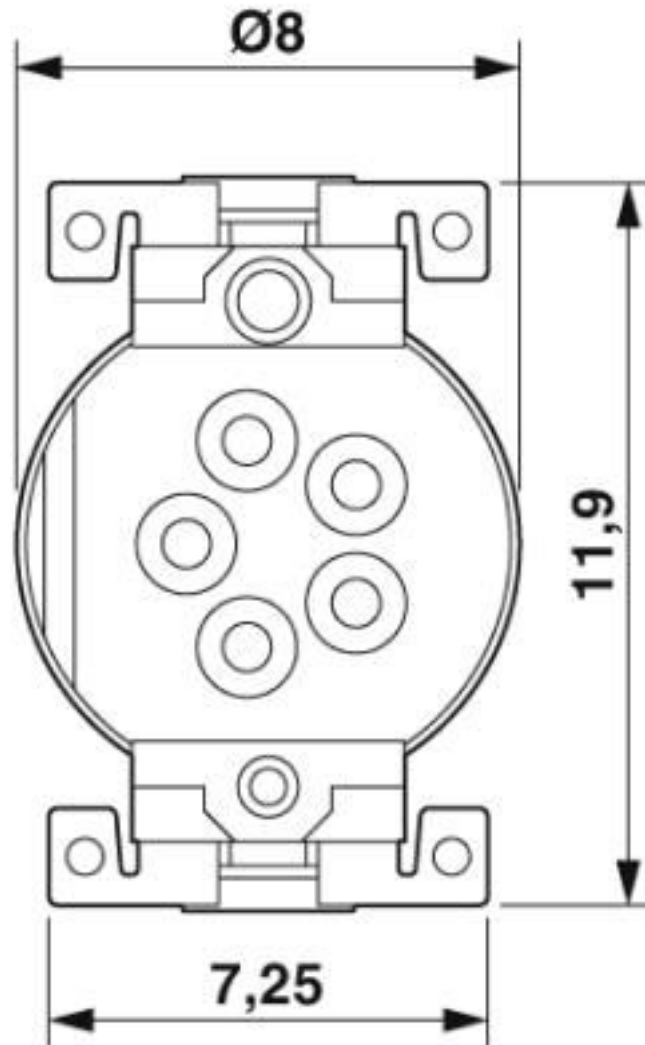
### Environmental Product Compliance

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

## Drawings

## Flush-type connector - SACC-CI-M8FSB-5P SMD T - 1412222

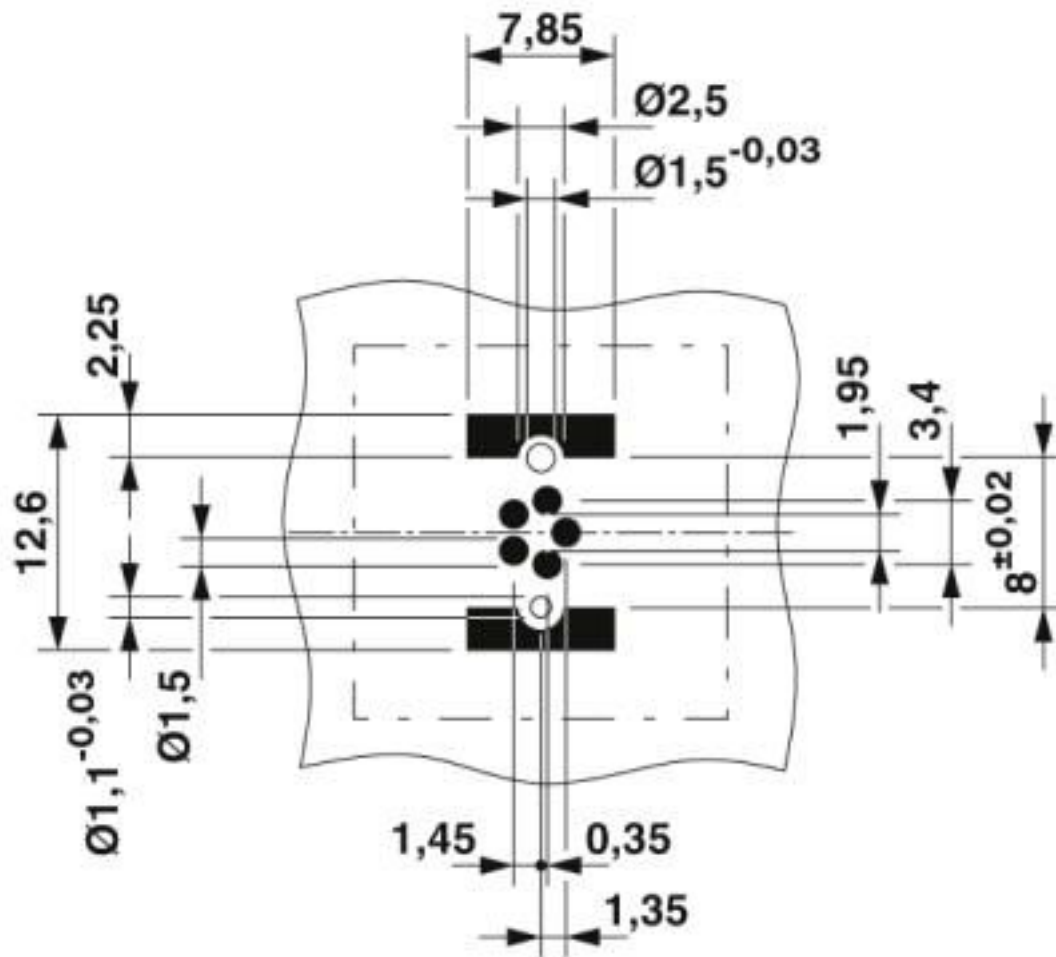
Dimensional drawing



View of solder side

## Flush-type connector - SACC-CI-M8FSB-5P SMD T - 1412222

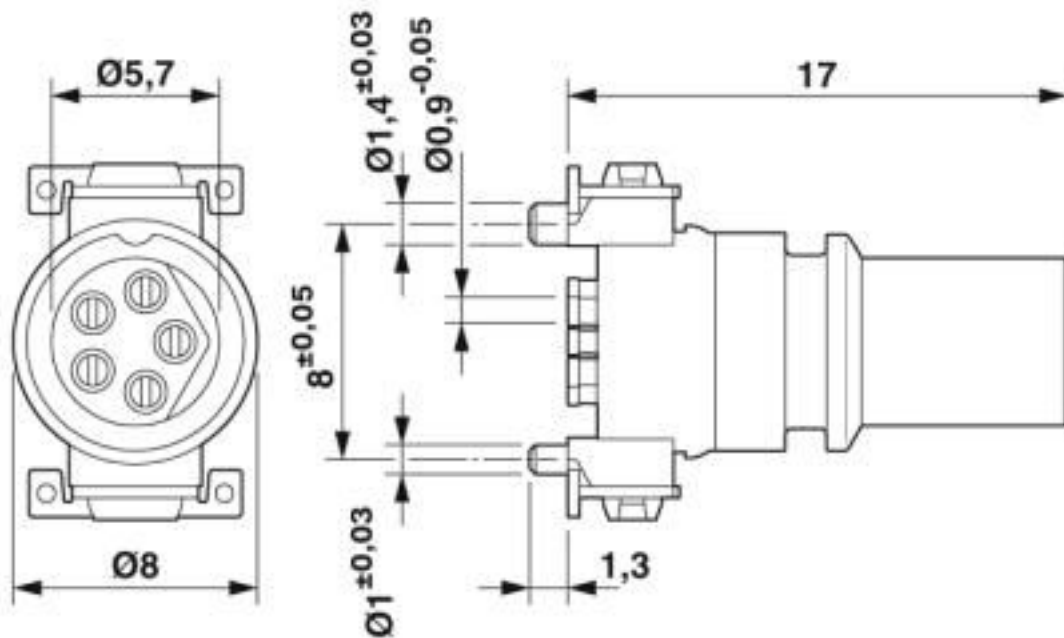
Drilling diagram



Drilling diagram

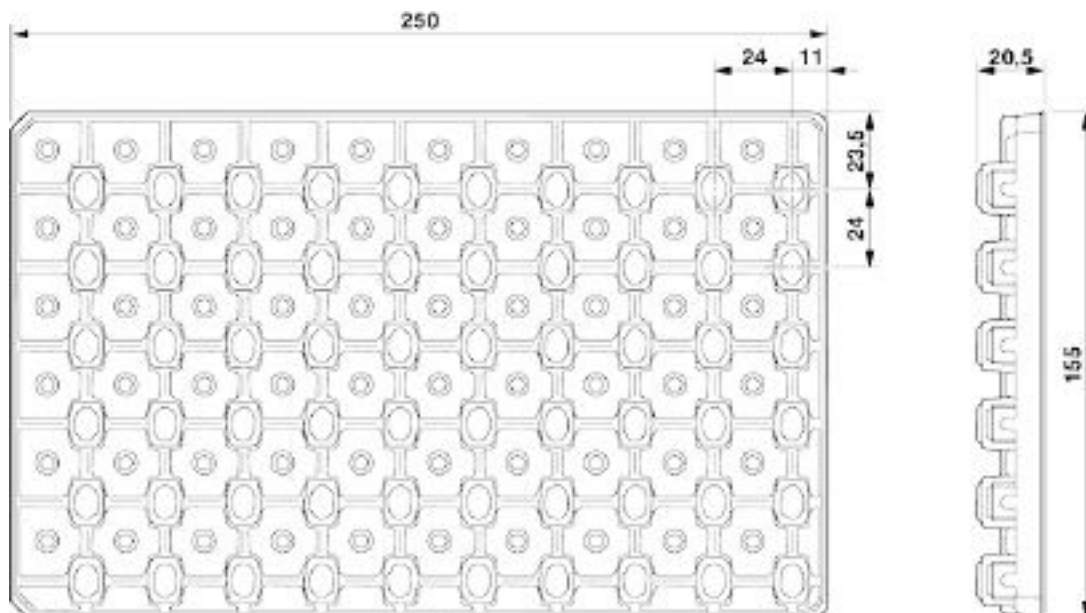
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Dimensional drawing



M8 panel-mount connector, socket, two parts

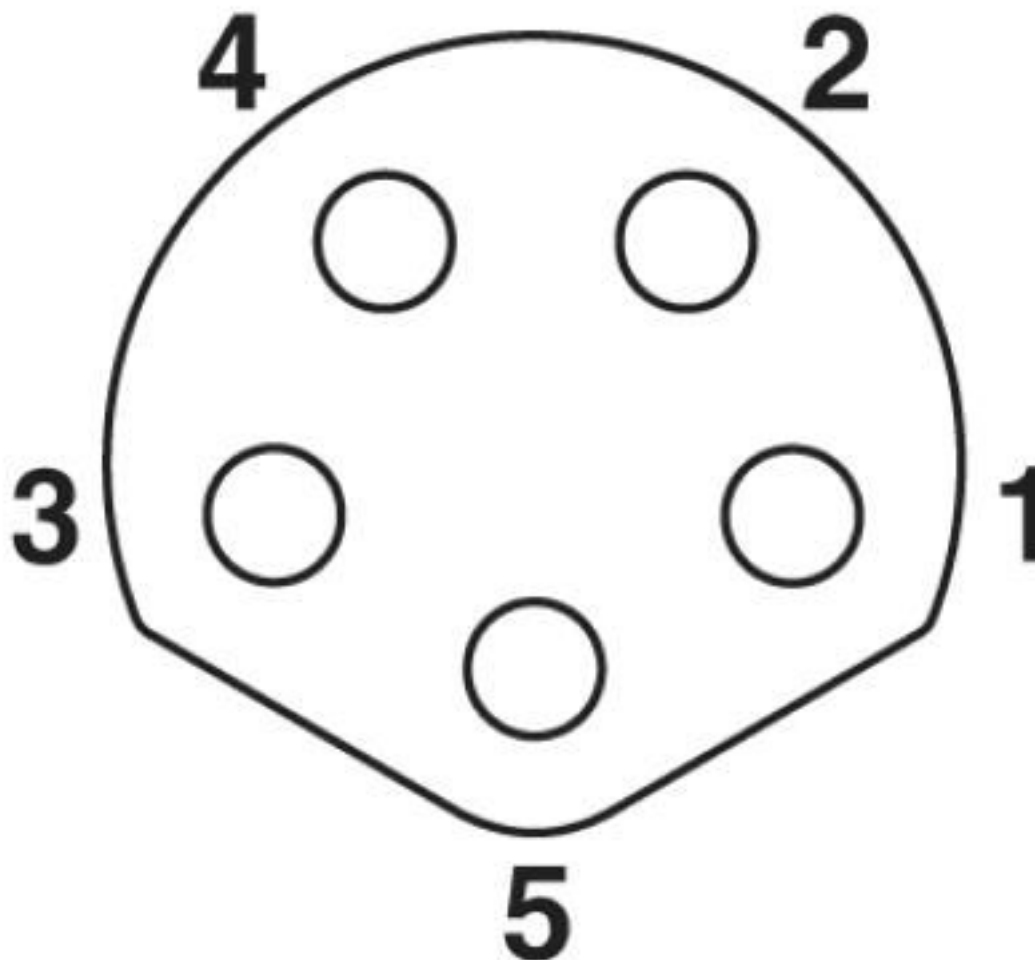
Dimensional drawing



SMD tray packaging

## Flush-type connector - SACC-CI-M8FSB-5P SMD T - 1412222

Schematic diagram



Pin assignment of M8 socket, 5-pos., B-coded

### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 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 8.0    | 27440103 |
| eCl@ss 9.0    | 27440102 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002061 |
| ETIM 6.0 | EC002061 |

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121413 |
| UNSPSC 18.0 | 39121413 |
| UNSPSC 19.0 | 39121413 |
| UNSPSC 20.0 | 39121413 |
| UNSPSC 21.0 | 39121413 |

### Approvals

#### Approvals

#### Approvals

EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|     |                                                                                     |         |
|-----|-------------------------------------------------------------------------------------|---------|
| EAC |  | B.01687 |
|-----|-------------------------------------------------------------------------------------|---------|

|                    |                                                                                     |                                                                                                                                                                        |
|--------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cULus 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> E221474-20200713 |
| Nominal voltage UN | 30 V                                                                                |                                                                                                                                                                        |
| Nominal current IN | 3 A                                                                                 |                                                                                                                                                                        |

### Accessories

#### Accessories

Panel mounting base

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### Accessories

Housing screw connection - SACC-BP-F-M8/M12 SMD - 1412506



M8 socket, rear mounting

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Housing screw connection - SACC-FP-F-M8/M10 SMD - 1412504



M8 female connector, front mounting SMD with M10 screw fastening

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Housing screw connection - SACC-FP-F-M8/PRESS SMD - 1412501



M8 socket, press-in mounting

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

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