

## Flush-type connector - SACC-CIP-M8FS-4P SMD T - 1412228

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Flush-type connector, 4-position, Socket, straight, M8, A-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
- ✓ Additional gasket for the device when not plugged in



### Key Commercial Data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 60 pc                                                                                                   |
| Minimum order quantity | 60 pc                                                                                                   |
| GTIN                   | <br>4 046356 988216 |
| GTIN                   | 4046356988216                                                                                           |

### Technical data

#### Ambient conditions

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Ambient temperature (operation) | -25 °C ... 105 °C (Plug / socket)                |
|                                 | -40 °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         | 48 V AC                                                                                                                                                                                                                                                                                                                                            |

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## Technical data

### General

|                             |                              |
|-----------------------------|------------------------------|
|                             | 60 V DC                      |
| Number of positions         | 4                            |
| Insulation resistance       | $\geq 100 \text{ M}\Omega$   |
| Coding                      | A - standard                 |
| Standards/regulations       | M8 connector IEC 61076-2-104 |
| Status display              | No                           |
| Overvoltage category        | II                           |
| Connection method           | SMD                          |
| Insertion/withdrawal cycles | > 100                        |
| 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                           |

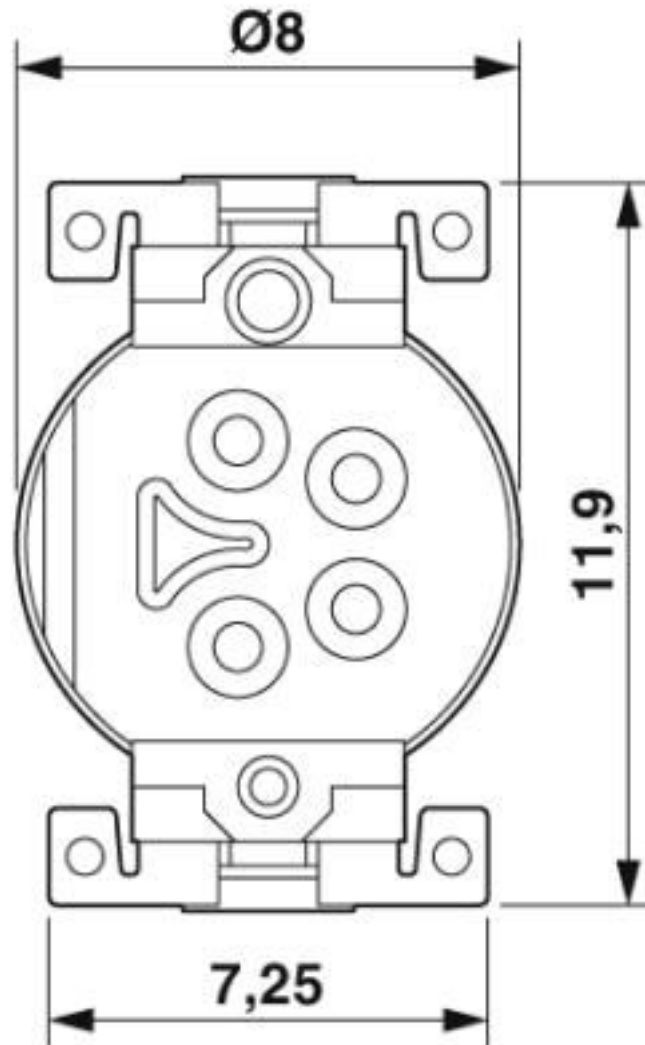
### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| 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-CIP-M8FS-4P SMD T - 1412228

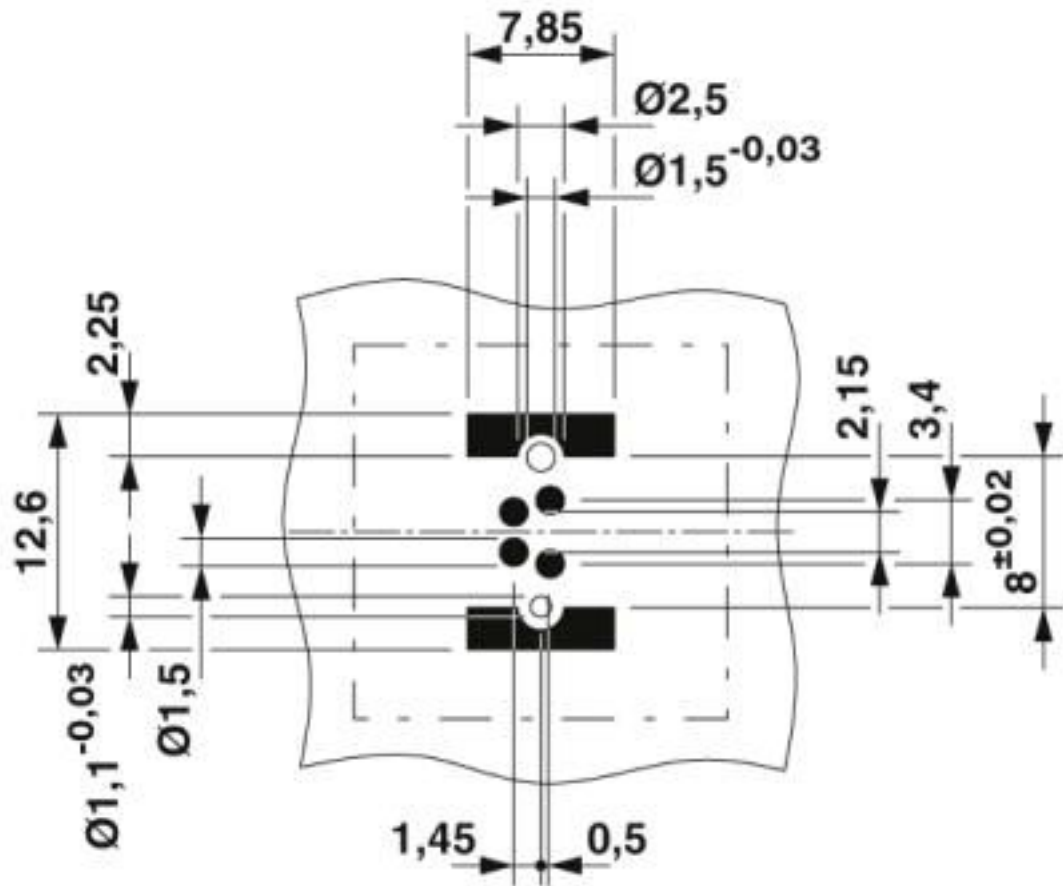
Dimensional drawing



View of solder side

# Flush-type connector - SACC-CIP-M8FS-4P SMD T - 1412228

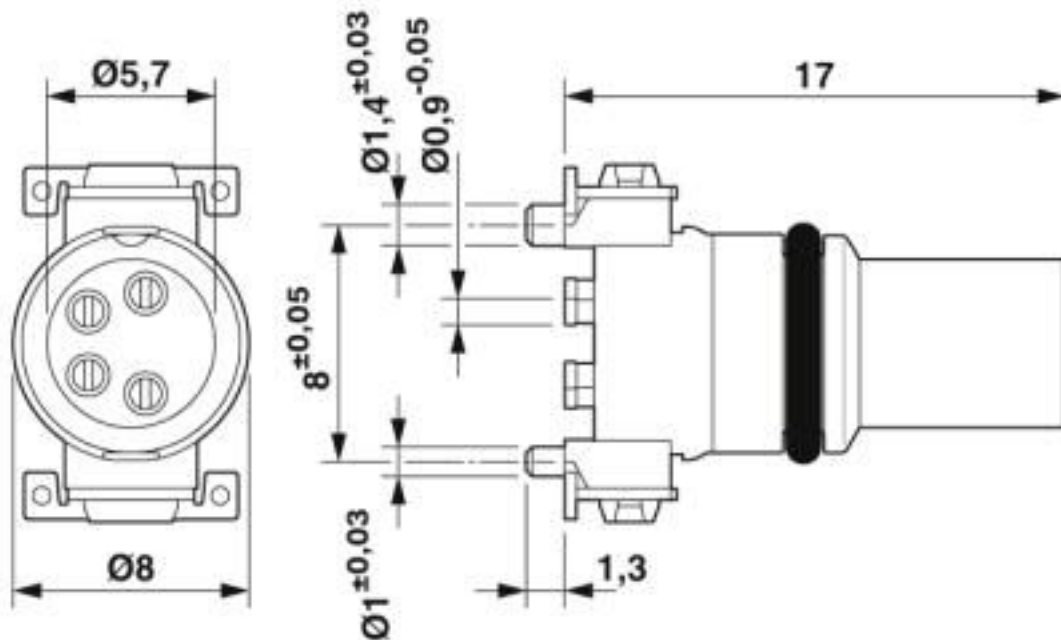
### Drilling diagram



### Drilling diagram

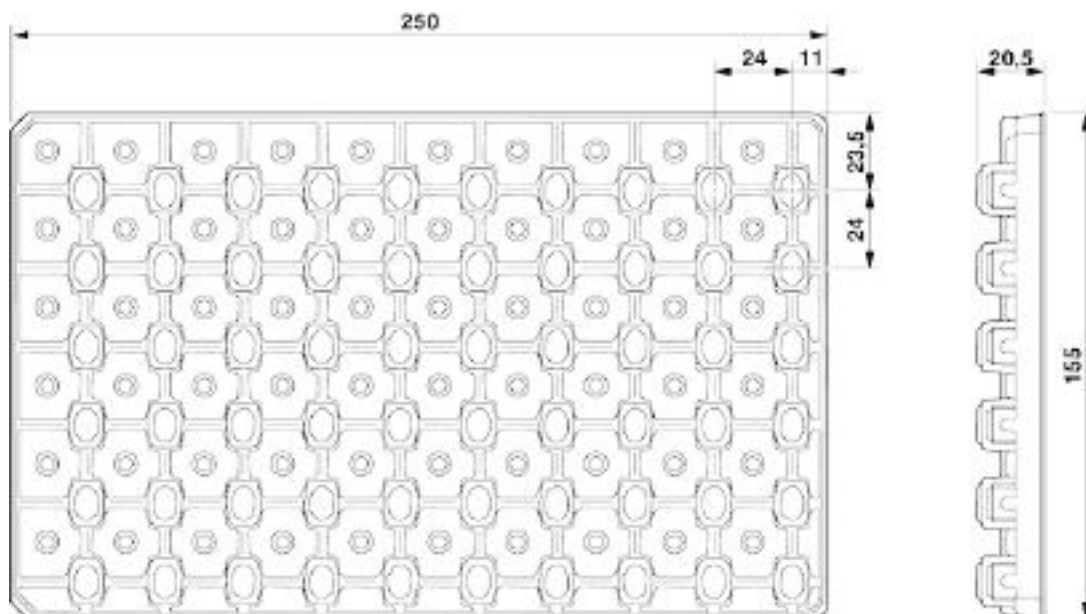
## Flush-type connector - SACC-CIP-M8FS-4P SMD T - 1412228

Dimensional drawing



M8 flush-type socket

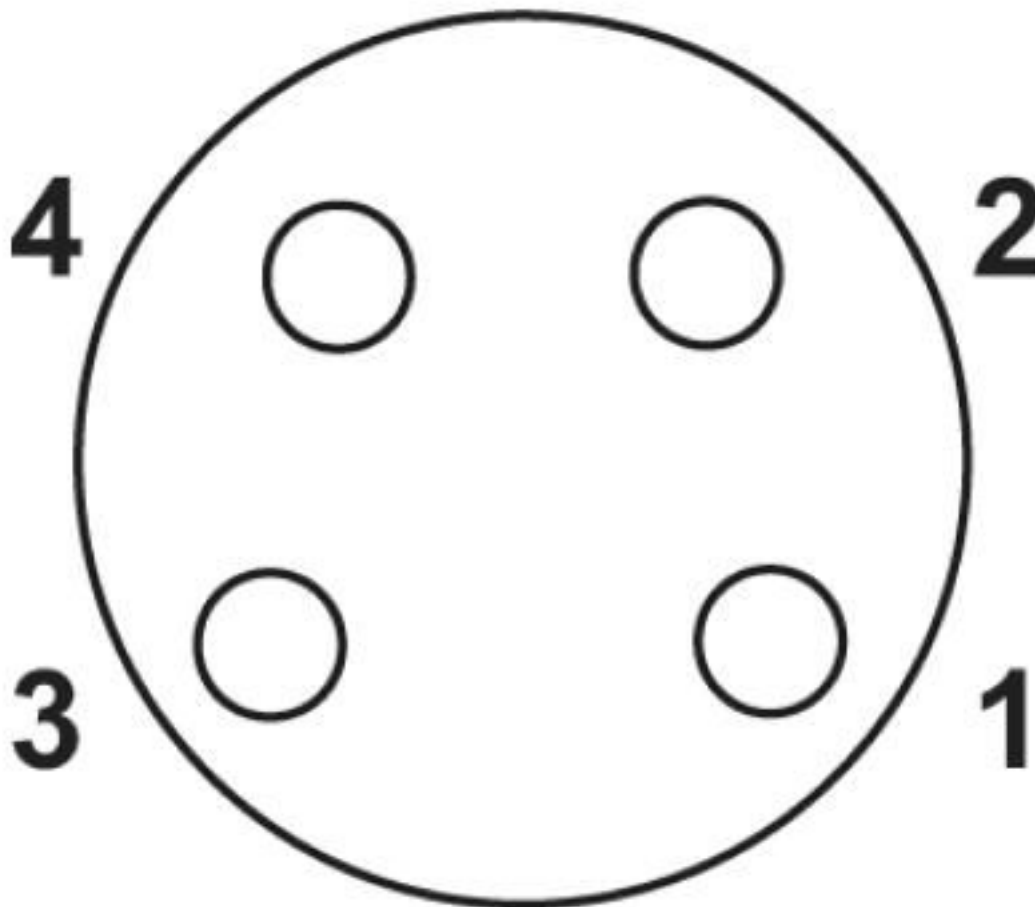
Dimensional drawing



SMD tray packaging

## Flush-type connector - SACC-CIP-M8FS-4P SMD T - 1412228

Schematic diagram



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

### 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 |

ETIM

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

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## Classifications

### ETIM

|          |          |
|----------|----------|
| 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> | E221474-20160506 |
| Nominal voltage UN | 30 V                                                                                |                                                                                                                                                       |                  |
| Nominal current IN | 3 A                                                                                 |                                                                                                                                                       |                  |

## Accessories

### Accessories

#### Contact insert

Sample set - SACC-CIP-M8FS-4P SMD-SP - 1418660



Sample set, 4-position, Socket, straight, M8, A-coded, PCB mounting, SMD

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### Accessories

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#### Panel mounting base

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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