

## Flush-type connector - SACC-CIP-M12FS-5P SMD T - 1411937

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Flush-type connector, 5-position, Socket, straight, M12, A - standard, 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 990677 |
| GTIN                   | 4046356990677   |

### 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 | 4 A  |
| Rated voltage         | 60 V   |

# Flush-type connector - SACC-CIP-M12FS-5P SMD T - 1411937

## Technical data

### General

|                             |  |
|-----------------------------|--|
| Rated surge voltage         | 1.5 kV                                     |
| Number of positions         | 5  |
| Insulation resistance       | $\geq 100 \text{ M}\Omega$                 |
| Coding                      | A - standard                               |
| Standards/regulations       | M12 connector IEC 61076-2-101 In line with |
| Overvoltage category        | III  |
| Degree of pollution         | 3  |
| 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 | M12 connector IEC 61076-2-101 In line with |
|--------------------------|--|

### Standards and Regulations

|  |  |
|--|--|
| Standards/specifications               | M12 connector IEC 61076-2-101 In line with |
| Flammability rating according to UL 94 | V0   |

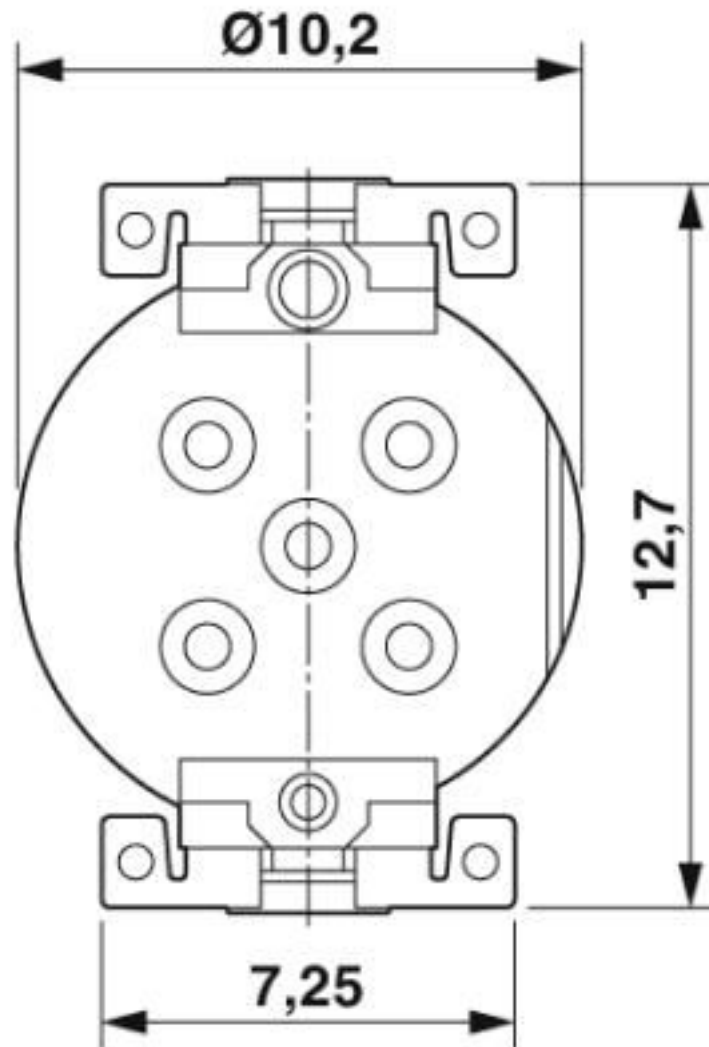
### Environmental Product Compliance

|            |   |
|------------|---|
| 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-M12FS-5P SMD T - 1411937

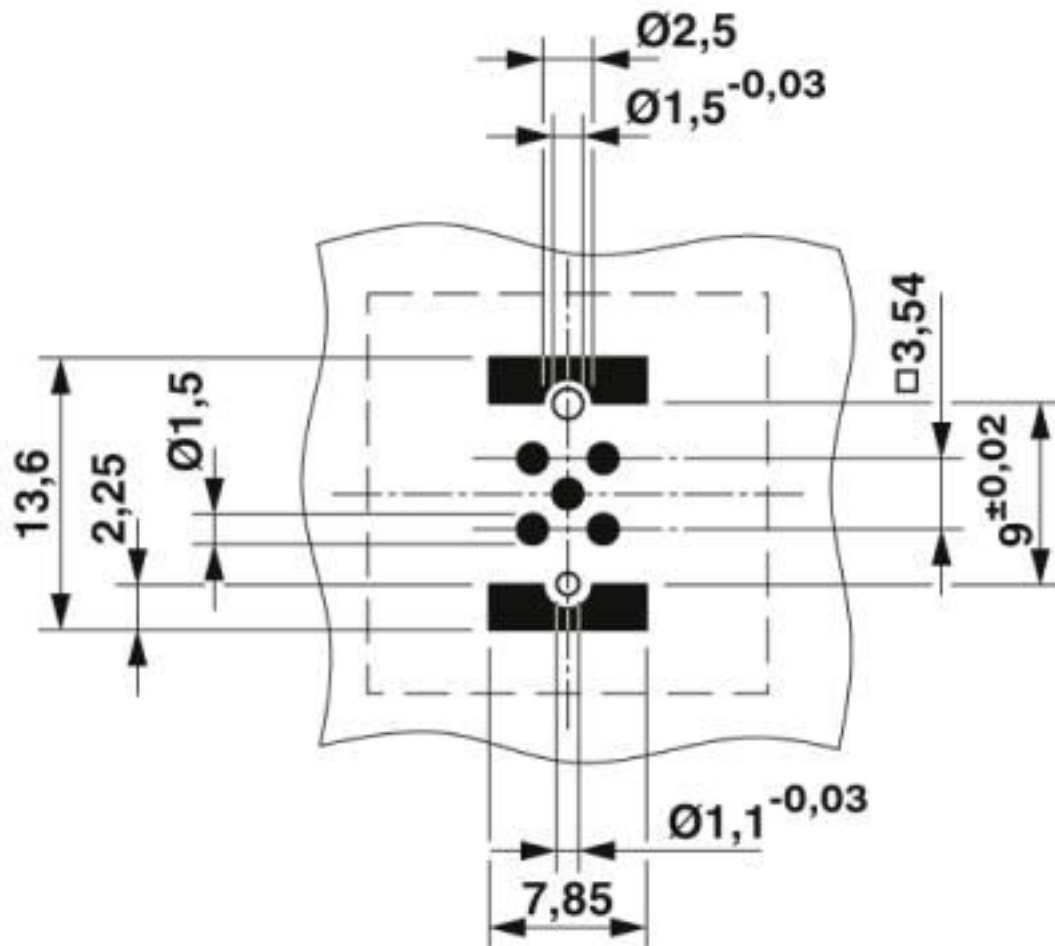
Dimensional drawing



View of solder side

## Flush-type connector - SACC-CIP-M12FS-5P SMD T - 1411937

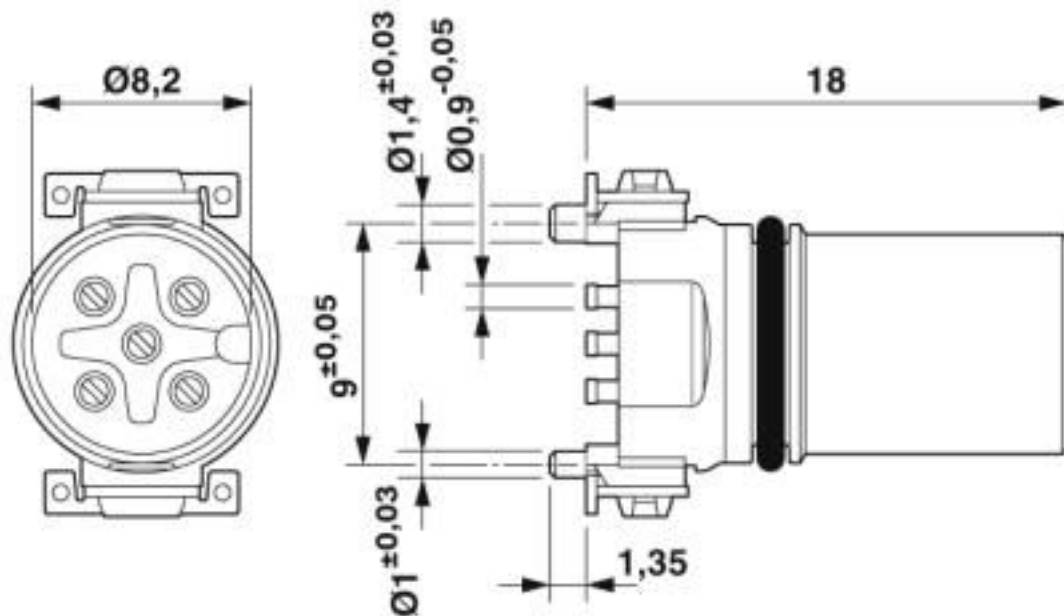
Drilling diagram



Soldering pad geometry

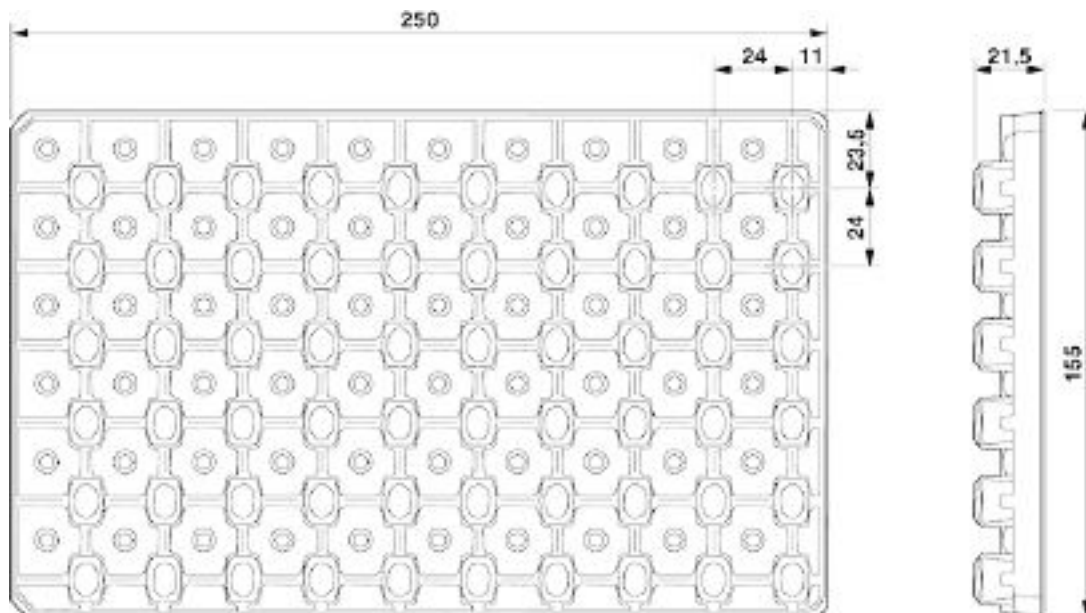
## Flush-type connector - SACC-CIP-M12FS-5P SMD T - 1411937

Dimensional drawing



M12 female connector contact carrier

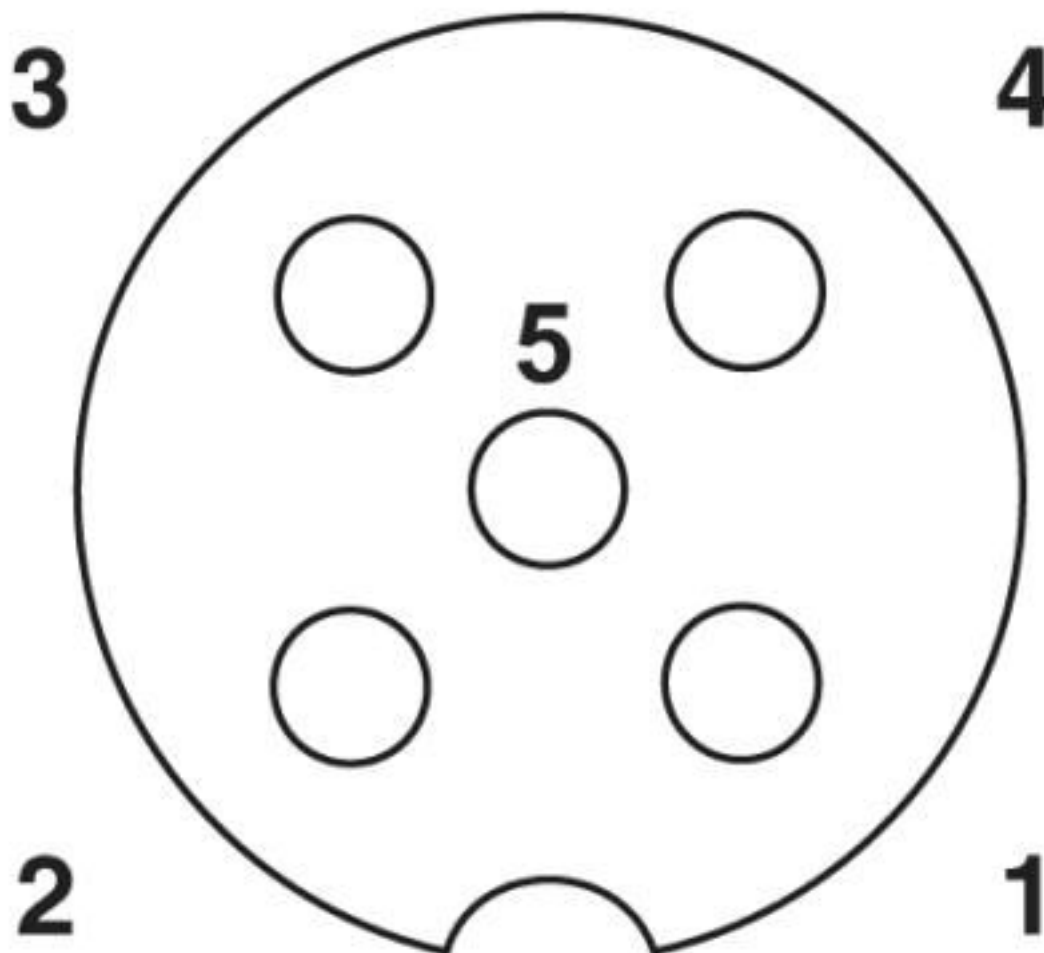
Dimensional drawing



SMD tray packaging

## Flush-type connector - SACC-CIP-M12FS-5P SMD T - 1411937

Schematic diagram



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

### 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 |

## Flush-type connector - SACC-CIP-M12FS-5P SMD T - 1411937

### 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> E221474-20160506 |
| Nominal voltage UN | 60 V  |  |
| Nominal current IN | 4 A   |  |

### Accessories

#### Accessories

Circular connectors (device side)

## Flush-type connector - SACC-CIP-M12FS-5P SMD T - 1411937

### Accessories

Housing screw connection - SACC-BP-F-M12/SMD-0,9/1,6-9TIP - 1419569



M12 threaded sleeve with tolerance-compensating function, for straight, SMD-solderable M12 socket contact inserts. Suitable for 0.9 mm ... 1.6 mm thick front plates.

Housing screw connection - SACC-BP-F-M12/SMD-1,6/2,3-9TIP - 1419570



M12 threaded sleeve with tolerance-compensating function, for straight, SMD-solderable M12 socket contact inserts. Suitable for 1.6 mm ... 2.3 mm thick front plates.

Housing screw connection - SACC-BP-F-M12/SMD-2,3/3,0-9TIP - 1419571



M12 threaded sleeve with tolerance-compensating function, for straight, SMD-solderable M12 socket contact inserts. Suitable for 2.3 mm ... 3.0 mm thick front plates.

### Contact insert

Sample set - SACC-CIP-M12FS-5P SMD-SP - 1418632



Sample set, 5-position, Socket, straight, M12, A - standard, PCB mounting, SMD

### Panel mounting base

Housing screw connection - SACC-BP-F-M12/M15-6-SMD - 1414021



Housing screw connection, Socket, M12, Rear mounting, M15 x 1



## Flush-type connector - SACC-CIP-M12FS-5P SMD T - 1411937

### Accessories

Housing screw connection - SACC-BP-F-M12/M15-6-SMD SCO - 1414023



Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1

---

Housing screw connection - SACC-FP-F-M12/M14 SMD - 1412079



M12 female connector, front mounting SMD with M14 screw fastening

---

Housing screw connection - SACC-FP-F-M12/PRESS SMD - 1412081



Housing screw connection, socket, for the two-part M12 SMD connector, for press-in mounting.

---

Housing screw connection - SACC-BP-F-FIX/NUT-BK-SMD - 1419568



Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.

---

Housing screw connection - SACC-BP-F-FIX/NUT-CY-SMD - 1419565



Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.

## Flush-type connector - SACC-CIP-M12FS-5P SMD T - 1411937

### Accessories

Housing screw connection - SACC-BP-F-FIX/NUT-GN-SMD - 1419566



Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.

---

Housing screw connection - SACC-BP-F-FIX/NUT-VT-SMD - 1419567



Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.

---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

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