

## Flush-type connector - SACC-CIP-M12MSD-4P SMD R32 - 1411997

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Flush-type connector, 4-position, PlugLink:straightLink:M12, D-coded, PCB mounting, SMD

### Why buy this product

- 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                         | 1 STK    |
| Minimum order quantity               | 100 STK  |
| Weight per Piece (excluding packing) | 6.8 g    |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### Ambient conditions

|                                 |                                                                       |
|---------------------------------|-----------------------------------------------------------------------|
| Ambient temperature (operation) | -40 °C ... 105 °C (Plug / socket)                                     |
|                                 | -55 °C ... 105 °C (without mechanical actuation)                      |
| Degree of protection            | IP67 (correctly plugged in and locked)                                |
|                                 | IP65 (not plugged in, by means of additional O-ring seal with device) |

#### General

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## Technical data

### 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               | 250 V                                                                                                                                                                                                                                                                                                                                              |
| Rated surge voltage         | 2.5 kV                                                                                                                                                                                                                                                                                                                                             |
| Number of positions         | 4                                                                                                                                                                                                                                                                                                                                                  |
| Insulation resistance       | ≥ 100 MΩ                                                                                                                                                                                                                                                                                                                                           |
| Coding                      | D-coded                                                                                                                                                                                                                                                                                                                                            |
| Standards/regulations       | M12 connector IEC 61076-2-101 In line with                                                                                                                                                                                                                                                                                                         |
| Overvoltage category        | II                                                                                                                                                                                                                                                                                                                                                 |
| Degree of pollution         | 3                                                                                                                                                                                                                                                                                                                                                  |
| Connection method           | SMD                                                                                                                                                                                                                                                                                                                                                |
| Insertion/withdrawal cycles | > 100                                                                                                                                                                                                                                                                                                                                              |
| Mounting type               | PCB mounting                                                                                                                                                                                                                                                                                                                                       |
| Type of packaging           | Belt                                                                                                                                                                                                                                                                                                                                               |
| Delivery state              | with assembly pad                                                                                                                                                                                                                                                                                                                                  |

### 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 |
|--------------------------|--------------------------------------------|

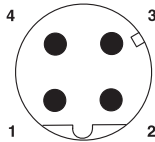
### Standards and Regulations

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

## Drawings

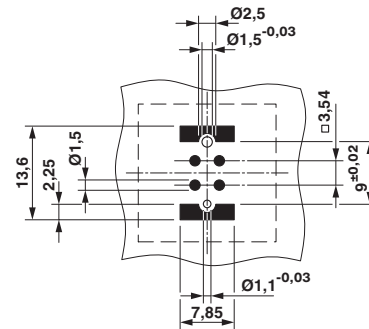
## Flush-type connector - SACC-CIP-M12MSD-4P SMD R32 - 1411997

Schematic diagram



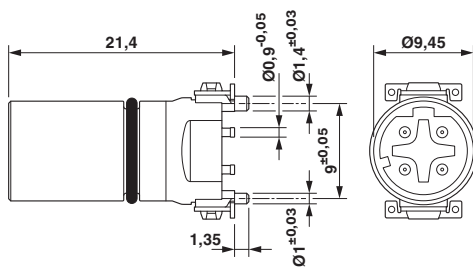
Pin assignment M12 male connector, 4-pos., D-coded, male side

Drilling diagram



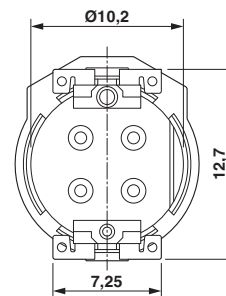
Soldering pad geometry

Dimensional drawing



M12 male connector contact carrier

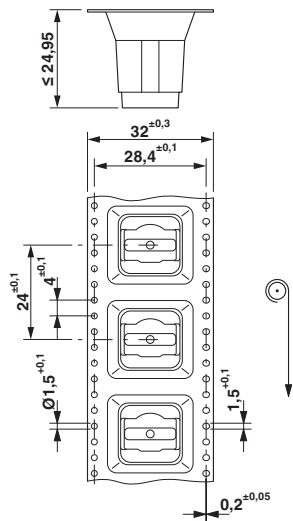
Dimensional drawing



View of solder side

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Dimensional drawing



SMD tape-on-reel packing

Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 8.0 | 27440103 |
| eCl@ss 9.0 | 27440102 |

ETIM

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

Approvals

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approvals submitted

## Flush-type connector - SACC-CIP-M12MSD-4P SMD R32 - 1411997

### Approvals

#### Approval details

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

|                                |       |
|--------------------------------|-------|
| cULus Recognized               |       |
| Nominal current I <sub>N</sub> | 4 A   |
| Nominal voltage U <sub>N</sub> | 250 V |

### Accessories

#### Accessories

##### Panel mounting base

Housing screw connection - SACC-BP-M-M12/M15-6-SMD - 1414000



Housing screw connection, PlugLink:M12, Rear mounting, M15 x 1

Housing screw connection - SACC-BP-M-M12/M15-6-SMD SCO - 1414002



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

Housing screw connection - SACC-FP-M-M12/M14 SMD - 1412078



Housing screw connection, PlugLink:M12, Front mounting, M14 x 1

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### Accessories

Housing screw connection - SACC-FP-M-M12/PRESS SMD - 1412080



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