

Flush-type connector - SACC-CIP-M12MSB-5P SMD SH R32 - 1412013

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Flush-type connector, 5-position, PlugLink:straightLink:M12, B - inverse, 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 | 100 STK |
|------------------------|-----------------|
| Minimum order quantity | 100 STK |
| GTIN | 4 046356 992862 |

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

| 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 |
| Rated surge voltage | 1.5 kV |
| Number of positions | 5 |
| Insulation resistance | ≥ 100 MΩ |



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Technical data

General

| Coding | B - inverse |
|-----------------------------|--|
| 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 | Belt |

Material

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

Standards and Regulations

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

Classifications

eCl@ss

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

ETIM

| ETIM 5.0 | I EC002061 |
|----------|------------|
| E11W 0.0 | 120002001 |
| | |

Drawings



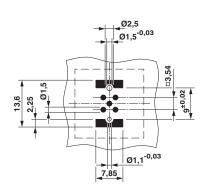
Flush-type connector - SACC-CIP-M12MSB-5P SMD SH R32 - 1412013

Schematic diagram



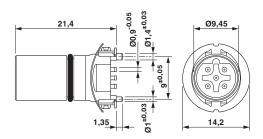
Pin assignment M12 male connector, 5-pos., B-coded, male side

Drilling diagram

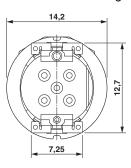


Soldering pad geometry

Dimensional drawing



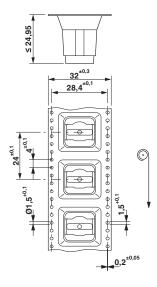
Dimensional drawing



M12 male connector contact carrier

View of solder side

Dimensional drawing



SMD tape-on-reel packing



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