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Flush-type connector - SACC-CIP-M12MSB-5P SMD R32 - 1411999

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Flush-type connector, 5-position, PlugLink:straightLink:M12, B-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)	7.0 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	60 V
Rated surge voltage	1.5 kV
Number of positions	5
Insulation resistance	$\geq$ 100 MΩ
Coding	B-coded
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

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
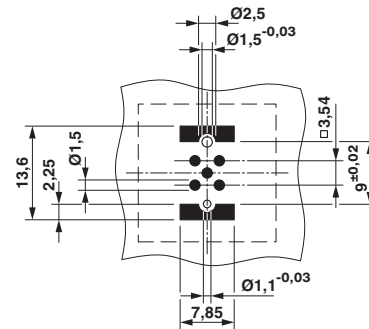
Flush-type connector - SACC-CIP-M12MSB-5P SMD R32 - 1411999
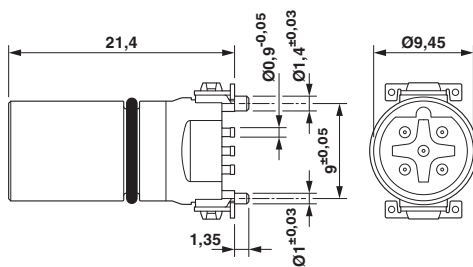
Schematic diagram

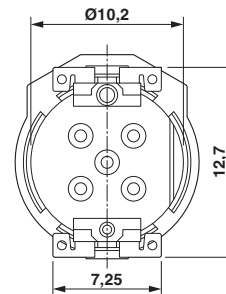Pin assignment M12 male connector, 5-pos., B-coded, male side

Drilling diagram

Soldering pad geometry

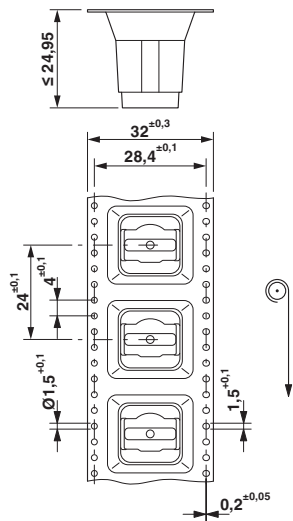### Dimensional drawing

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

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Approvals

Approval details

EAC

cULus Recognized	
Nominal current IN	4 A
Nominal voltage UN	60 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.