SACC-CIP-M12FSD-4P SMD R32 - Flush-type connector

1411991

https://www.phoenixcontact.com/in/products/1411991

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Flush-type connector, 4-position, Socket, straight, M12, coding: D , PCB mounting, SMD, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1308201

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
- Optional shield connection and seal for the device when not plugged in

Commercial Data

Item number	1411991
Packing unit	100 pc
Minimum order quantity	100 pc
Sales Key	ABQ
Product Key	ABQCBK
GTIN	4046356992220
Weight per Piece (including packing)	5.593 g
Weight per Piece (excluding packing)	5.41 g
Customs tariff number	85366990
Country of origin	DE

Technical Data

Notes

Notes on operation	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.

Product properties

Product type	Contact insert
Number of positions	4
Coding	D

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	250 V
Nominal current I_N	4 A

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	D

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)
Degree of protection	IP67
Ambient temperature (operation)	-25 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (without mechanical actuation)

Standards and regulations

M12

Standards/specifications	IEC 61076-2-101

Mounting

Mounting type	PCB mounting

Packaging specifications

Type of packaging	Belt

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Drawings

Drilling plan/solder pad geometry
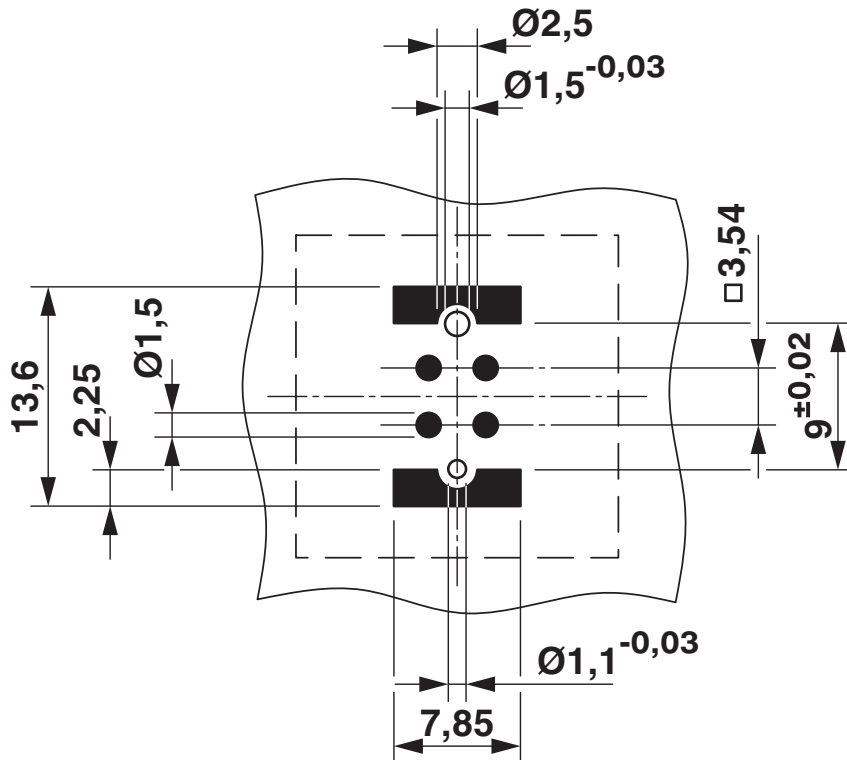
Soldering pad geometry

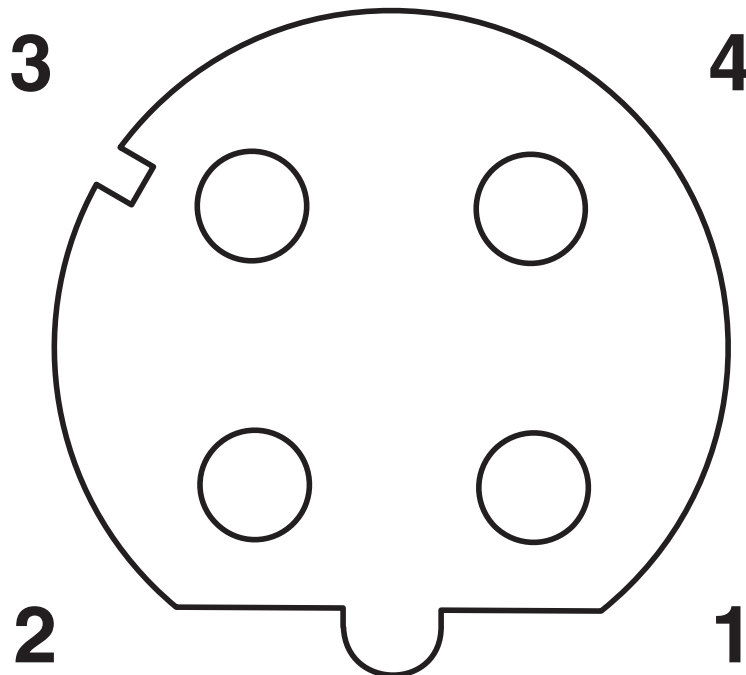# SACC-CIP-M12FSD-4P SMD R32 - Flush-type connector

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Dimensional drawing

Ø10,2

12,7

7,25

View of solder side

Schematic diagram

3   4

2   1

Pin assignment M12 socket, 4-pos., D-coded, female side

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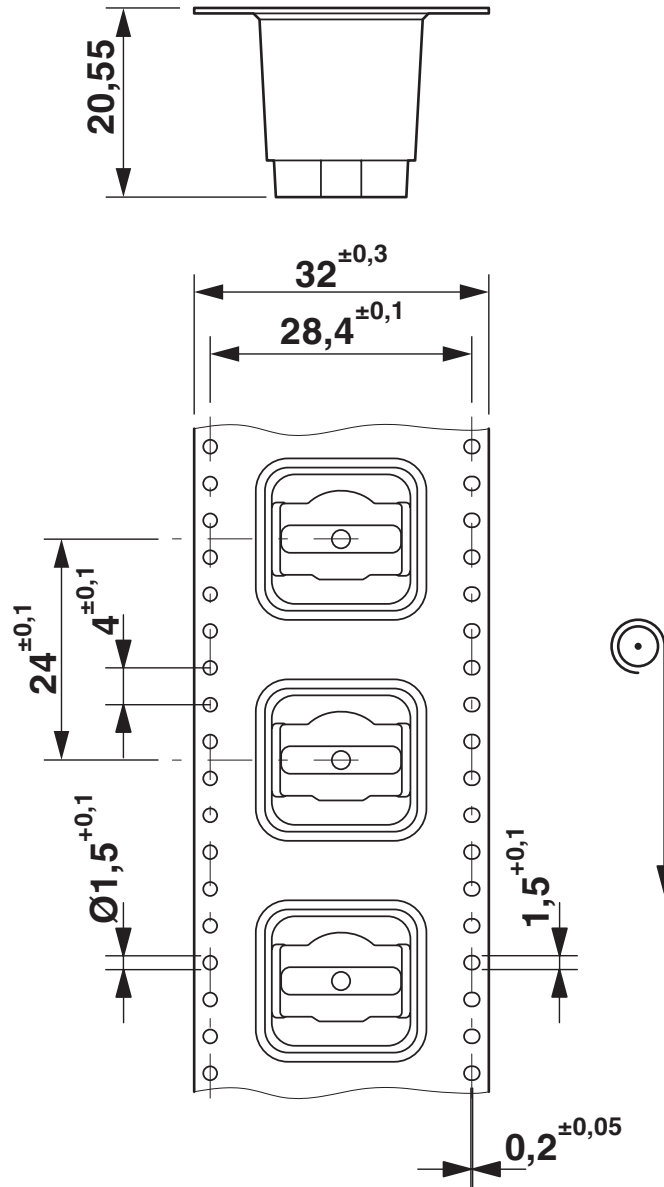
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Dimensional drawing
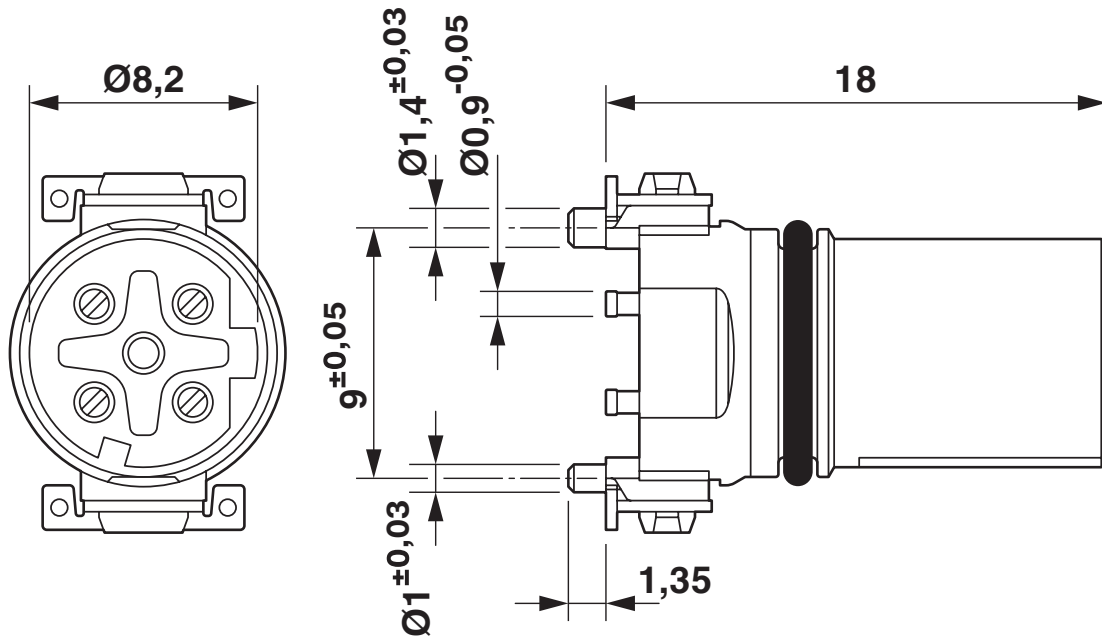
Dimensional drawing

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Dimensional drawing

20,55

32 ±0,3

28,4 ±0,1

24 ±0,1

4 ±0,1

Ø1,5 +0,1

1,5 +0,1

0,2 ±0,05

SMD tape-on-reel packing

Approvals

	EAC
	Approval ID: B.01687

	cULus Recognized
	Approval ID: E221474-20200713

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	4 A	-	-

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 8.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

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

1414021

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Housing screw connection, Socket, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239058

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

1414023

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Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239059

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

1412079

https://www.phoenixcontact.com/in/products/1412079

M12 female connector, front mounting SMD with M14 screw fastening

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

1412081

https://www.phoenixcontact.com/in/products/1412081

Housing screw connection, Socket, M12, Front mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1238973

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

1419569

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Housing screw connection, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239268

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

1419570

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Housing screw connection, M12, Rear mounting

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

1419571

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Housing screw connection, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239270

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

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

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

1419565

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

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

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

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

1419567

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