Flush-type connector - SACC-CIP-M12FS-12P SMD R32

1411995

https://www.phoenixcontact.com/us/products/1411995

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Flush-type connector, 12-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

Commercial Data

Item number	1411995
Packing unit	1 pc
Minimum order quantity	100 pc
Note	Made to Order (non-returnable)
Sales Key	A11
Product Key	ABQCBK
GTIN	4046356992268
Weight per Piece (including packing)	5.9 g
Weight per Piece (excluding packing)	5.9 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	12
Coding	A - standard
Thread type	M12

Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	30 V
Nominal current I_N	1.5 A

Material specifications

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

Connector

Insertion/withdrawal cycles	> 100

Connection 1	
Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	A - standard

Environmental and real-life conditions

Ambient conditions	
Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)

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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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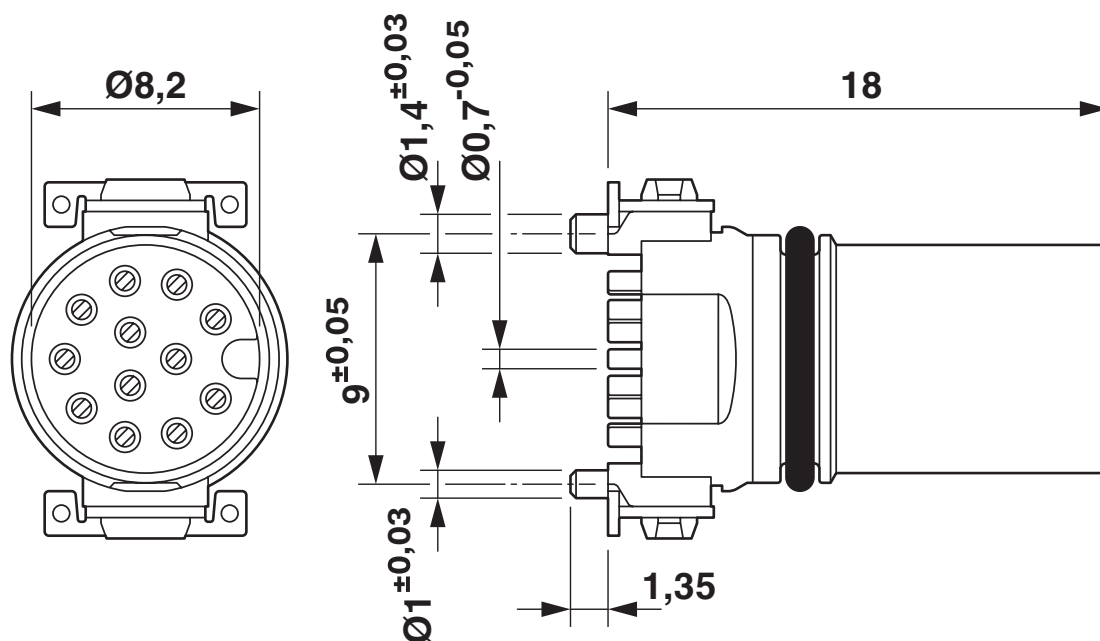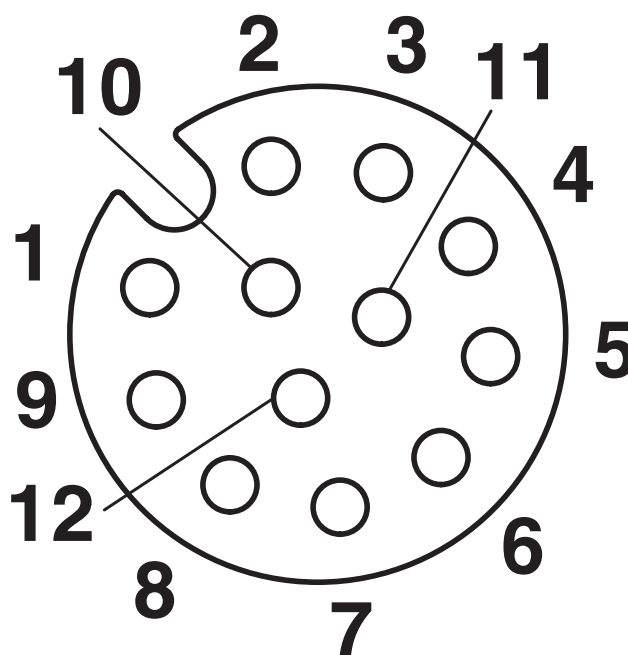
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Drawings
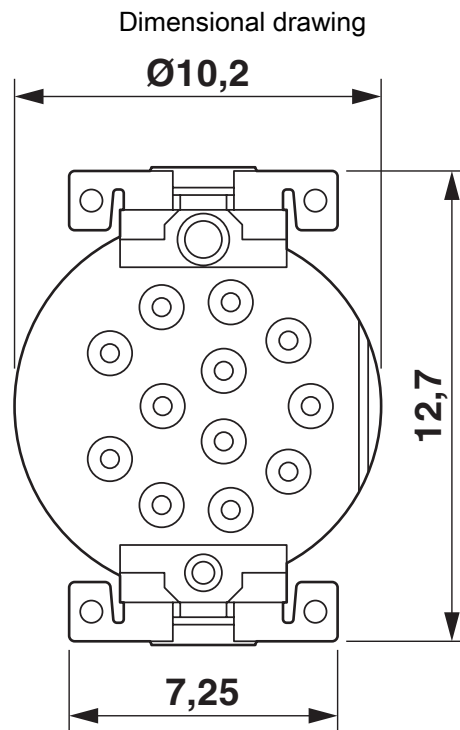
Dimensional drawing

M12 socket, straight

Schematic diagram

Pin assignment M12 socket, 12-pos., A-coded, view female side

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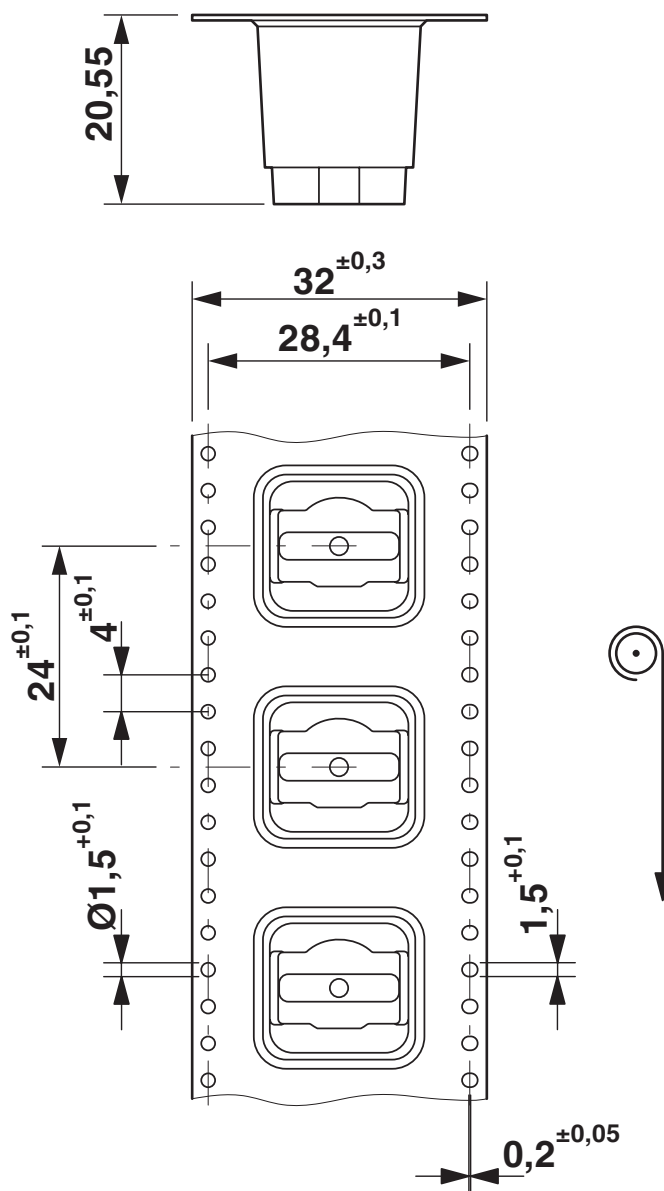https://www.phoenixcontact.com/us/products/1411995

Dimensional drawing

Ø10,2

12,7

7,25

View of solder side

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Dimensional drawing

SMD tape-on-reel packing

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Drilling plan/solder pad geometry
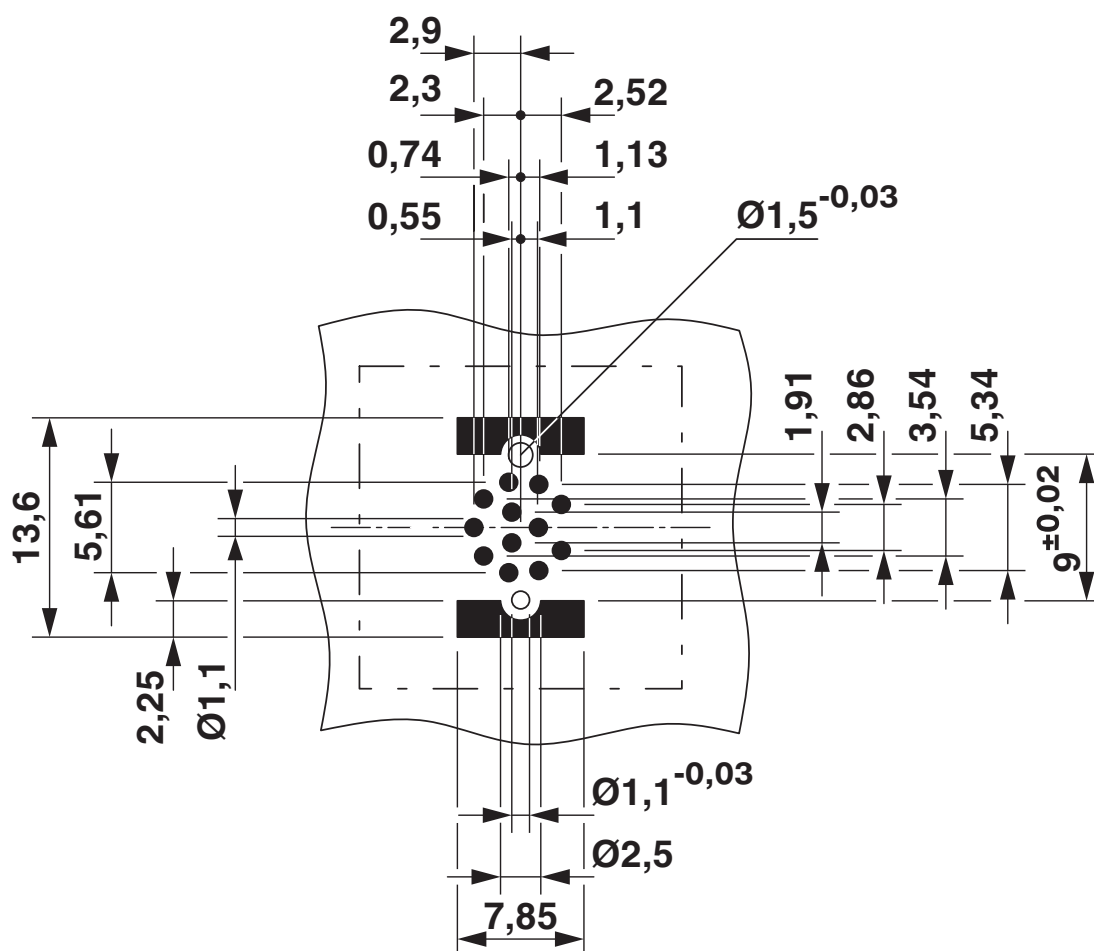
Soldering pad geometry

Approvals

	EAC	
⊞⊞⊏	**EAC** Approval ID: B.01687	

	cULus Recognized				
ℝ	**cULus Recognized** Approval ID: E221474-20160506				
		Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
		30 V	1.5 A	-	-

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Classifications

ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

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

Housing screw connection

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

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

Housing screw connection

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

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

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Housing screen connection

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

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M12 female connector, front mounting SMD with M14 screw fastening

Housing screw connection

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

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Housing screw connection, Socket, M12, Front mounting

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Housing screw connection

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

https://www.phoenixcontact.com/us/products/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

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

https://www.phoenixcontact.com/us/products/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

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

https://www.phoenixcontact.com/us/products/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.

Housing screw connection

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

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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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Housing screw connection

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

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

Housing screw connection

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

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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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Housing screw connection

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

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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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