

Flush-type connector - SACC-CIP-M12MS-12P SMD SH R32 - 1412015

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Flush-type connector, 12-position, Plug, 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

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	100 pc
GTIN	 4 046356 992886
GTIN	4046356992886
Weight per Piece (excluding packing)	7.200 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)

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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	1.5 A
Rated voltage	30 V
Rated surge voltage	0.8 kV
Number of positions	12
Insulation resistance	≥ 100 MΩ
Coding	A - standard
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
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
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Standards and Regulations

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

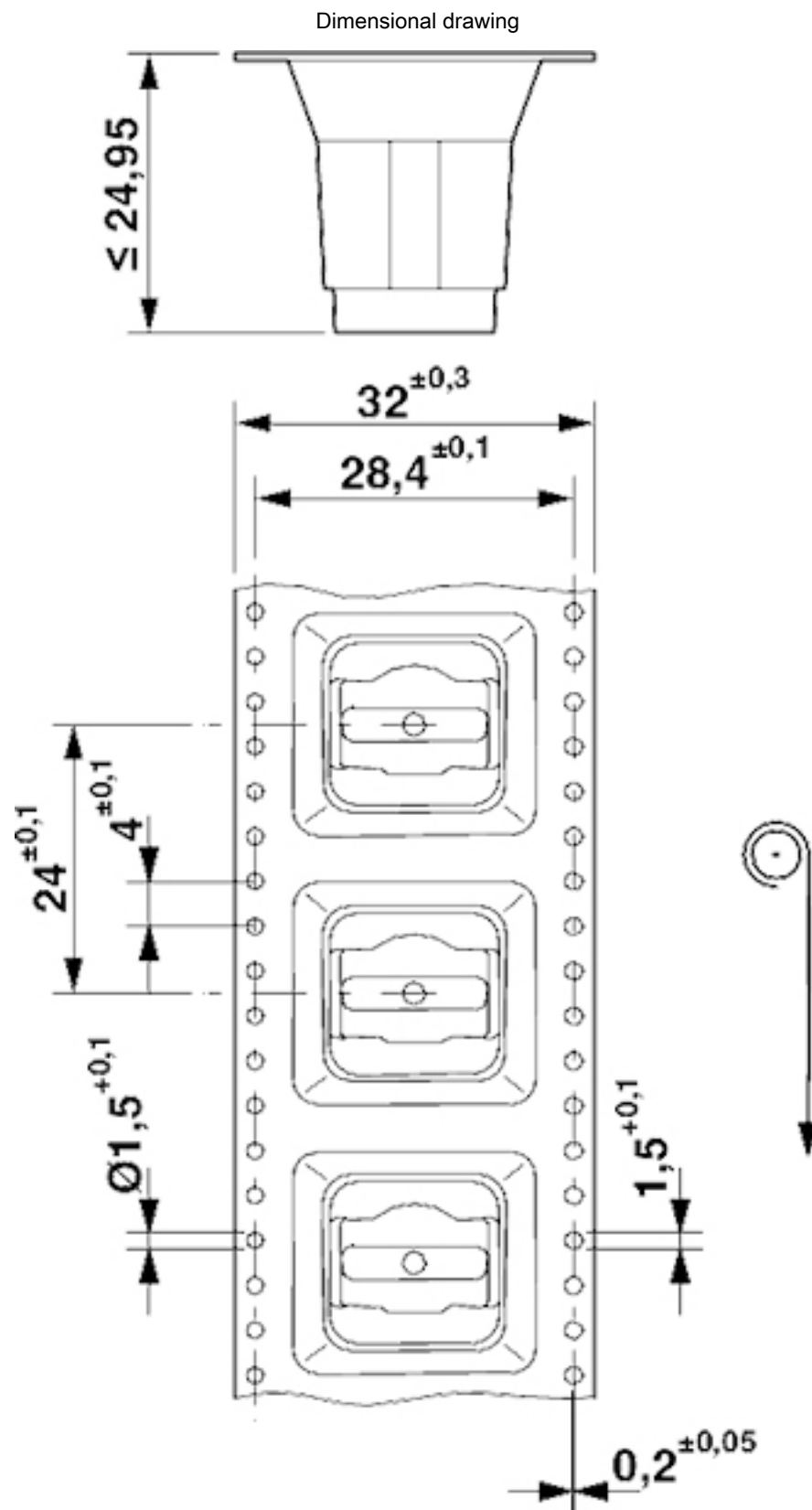
Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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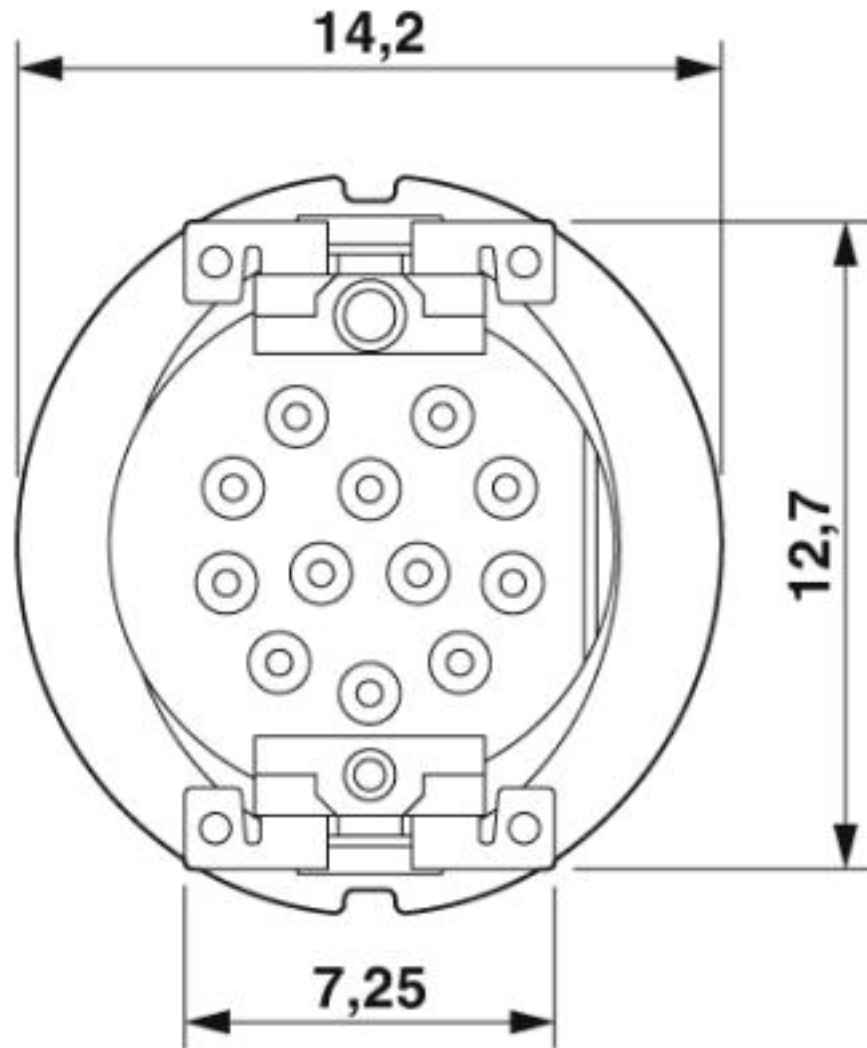
Drawings

Flush-type connector - SACC-CIP-M12MS-12P SMD SH R32 - 1412015



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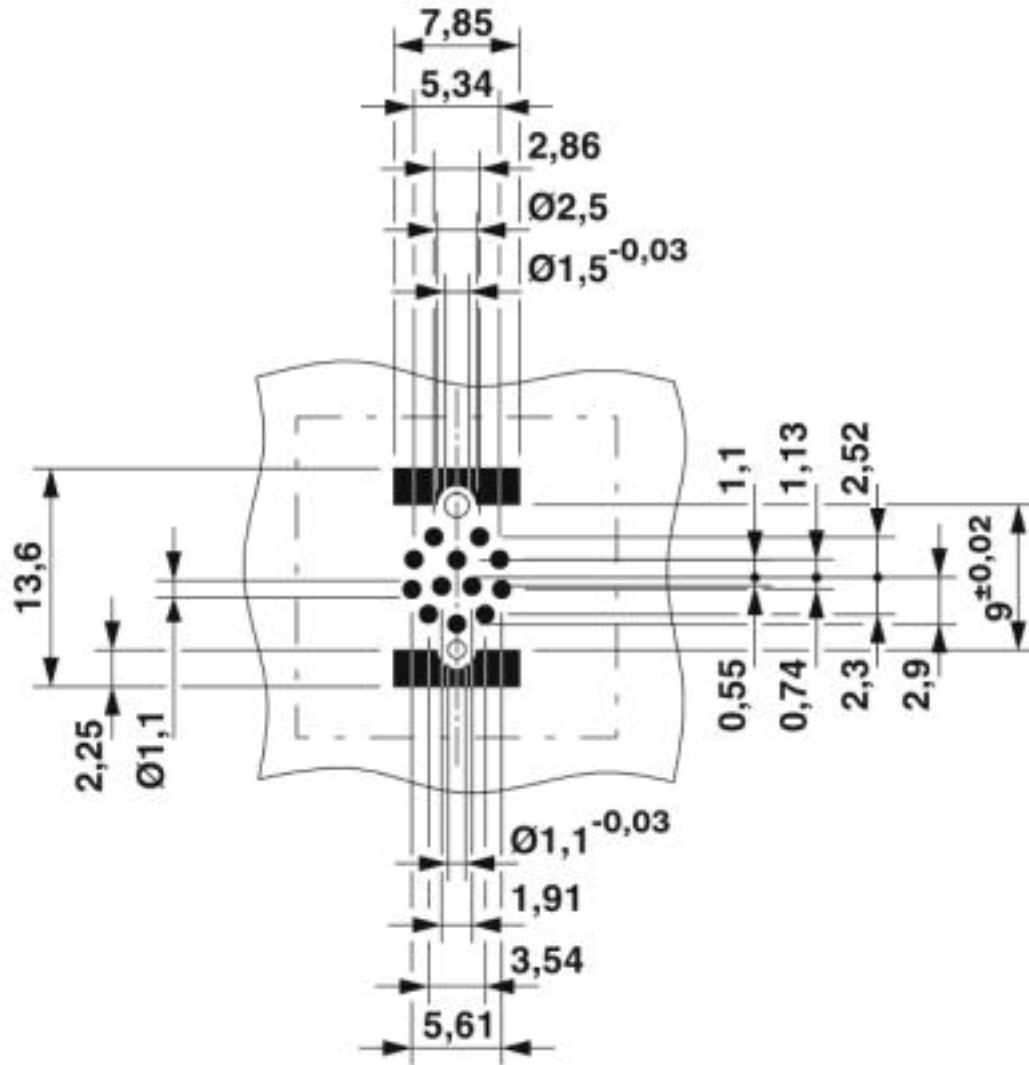
Dimensional drawing



View of solder side

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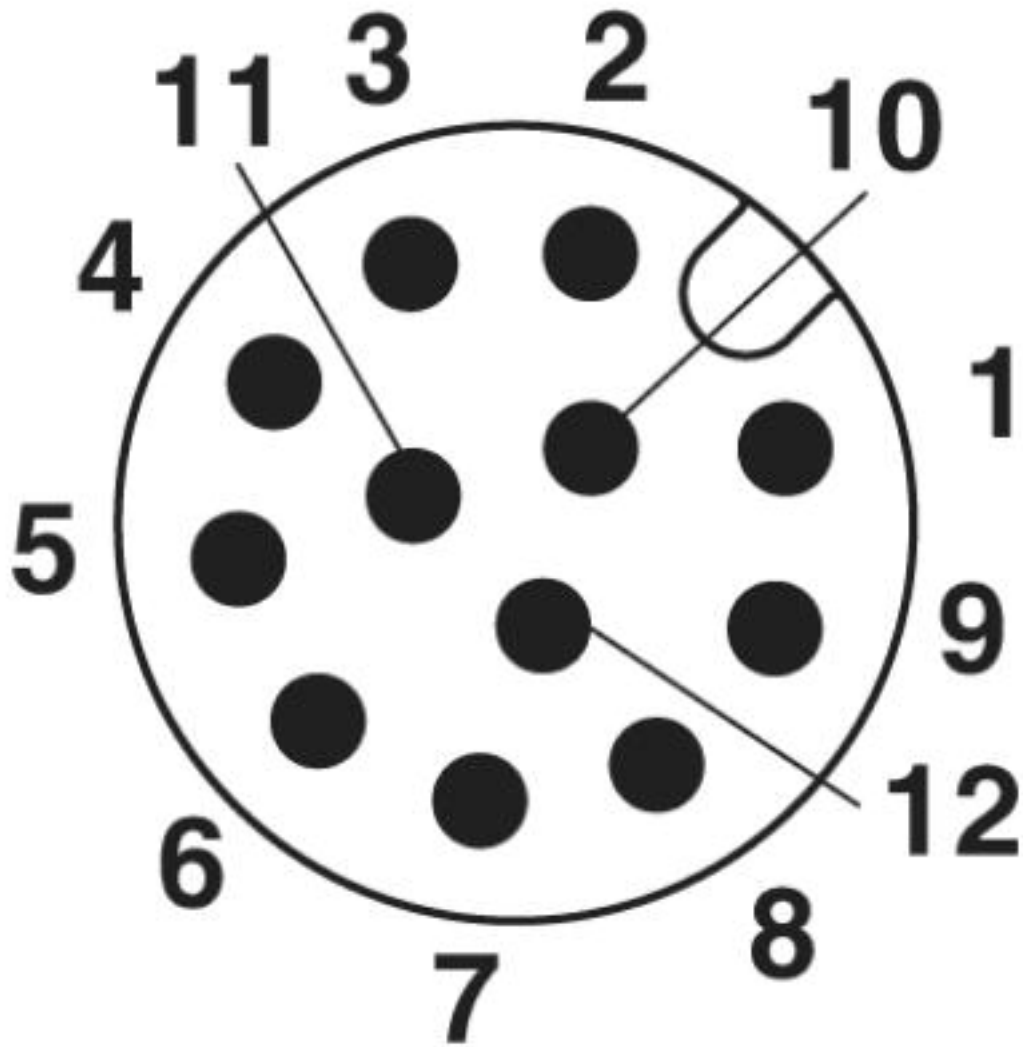
Drilling diagram



Soldering pad geometry

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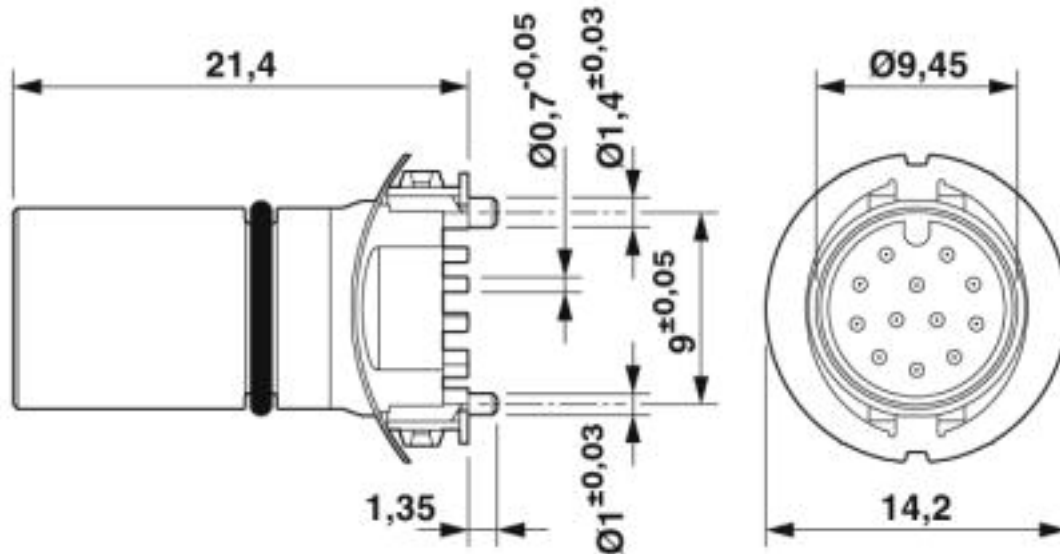
Schematic diagram



Pin assignment of M12 male connector, 12-pos., A-coded, view of pin side

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Dimensional drawing



M12 plug, straight

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 5.0	EC002061
ETIM 6.0	EC002061

UNSPSC

UNSPSC 13.2	39121413
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Approvals

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Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474-20160506
Nominal voltage UN		30 V	
Nominal current IN		1.5 A	

Accessories

Accessories

Contact insert

Sample set - SACC-CIP-M12MS-12P SMD SH-SP - 1418650



Sample set, 12-position, Plug, straight, M12, A - standard, PCB mounting, SMD

Panel mounting base

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



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

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Accessories

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



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

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



M12 pin, front mounting SMD with M14 screw fastening

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.
