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## Flush-type connector - SACC-CIP-M12FS-4P SMD R32 - 1411990

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Flush-type connector, 4-position, SocketLink:straightLink:M12, A - standard, 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)	6.2 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 105 °C (Plug / socket)
	-40 °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

# Flush-type connector - SACC-CIP-M12FS-4P SMD R32 - 1411990

## 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	250 V
Rated surge voltage	2.5 kV
Number of positions	4
Insulation resistance	$\geq 100 \text{ M}\Omega$
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101 In line with
Overvoltage category	II
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
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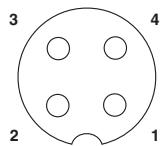
### Standards and Regulations

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

### Drawings

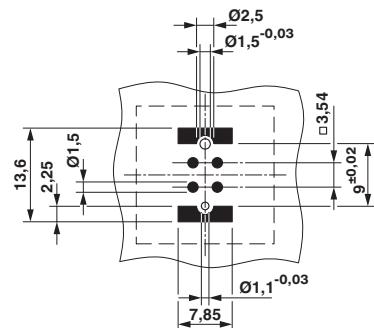
## Flush-type connector - SACC-CIP-M12FS-4P SMD R32 - 1411990

Schematic diagram



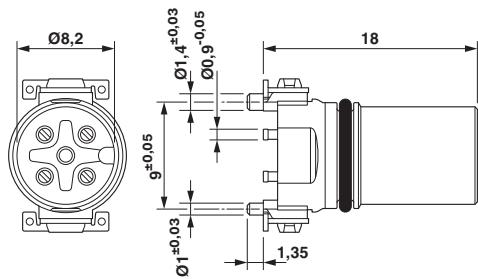
Pin assignment M12 socket, 4-pos., A-coded, view female side

Drilling diagram



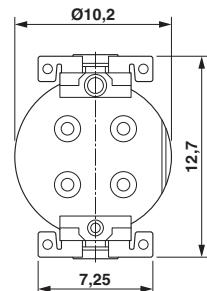
Soldering pad geometry

Dimensional drawing



M12 female connector contact carrier

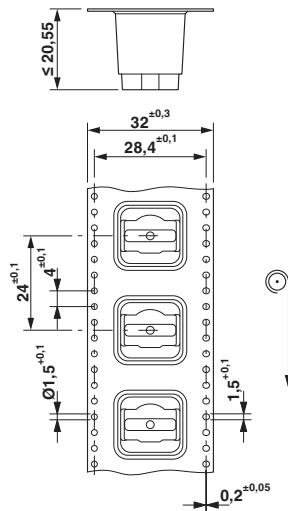
Dimensional drawing



View of solder side

## Flush-type connector - SACC-CIP-M12FS-4P SMD R32 - 1411990

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
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### Approvals

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approvals submitted

## Flush-type connector - SACC-CIP-M12FS-4P SMD R32 - 1411990

### Approvals

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#### Approval details

EAC
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cULus Recognized	
Nominal current IN	4 A
Nominal voltage UN	250 V

### Accessories

#### Accessories

#### Contact insert

Sample set - SACC-CIP-M12FS-4P SMD-SP - 1418548



Sample set, 4-position, SocketLink:straightLink:M12, A - standard, PCB mounting, SMD

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#### Panel mounting base

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



Housing screw connection, SocketLink:M12, Rear mounting, M15 x 1

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



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

## Flush-type connector - SACC-CIP-M12FS-4P SMD R32 - 1411990

### Accessories

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



Housing screw connection, SocketLink:M12, Front mounting, M14 x 1

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



Housing screw connection, socket, for the two-part M12 SMD connector, for press-in mounting.

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

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

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

## Flush-type connector - SACC-CIP-M12FS-4P SMD R32 - 1411990

### Accessories

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



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 - SACC-BP-F-FIX/NUT-CY-SMD - 1419565



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 - SACC-BP-F-FIX/NUT-GN-SMD - 1419566



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 - SACC-BP-F-FIX/NUT-VT-SMD - 1419567



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