

# SACC-CIP-M12MS-4P SMD R32 - Contact carrier



1411996

<https://www.phoenixcontact.com/in/products/1411996>

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Contact carrier, 4-position, Pin, straight, M12, coding: A, PCB mounting, SMD reflow, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1308205

## 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	1411996
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	ABQ
Product key	ABQBGN
GTIN	4046356992275
Weight per piece (including packing)	5.98 g
Weight per piece (excluding packing)	5.98 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.
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### Product properties

Product type	Contact insert
Application	Signal
Number of positions	4
Seal present	yes
Shielded	no
Coding	A
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	250 V
Nominal current $I_N$	4 A

### Connection data

Connection method	SMD reflow
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### 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	Pin
Head cable outlet	straight
Head thread type	M12

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Coding	A
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 100
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## 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)	-40 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

### M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101
Note	In line with

## Mounting

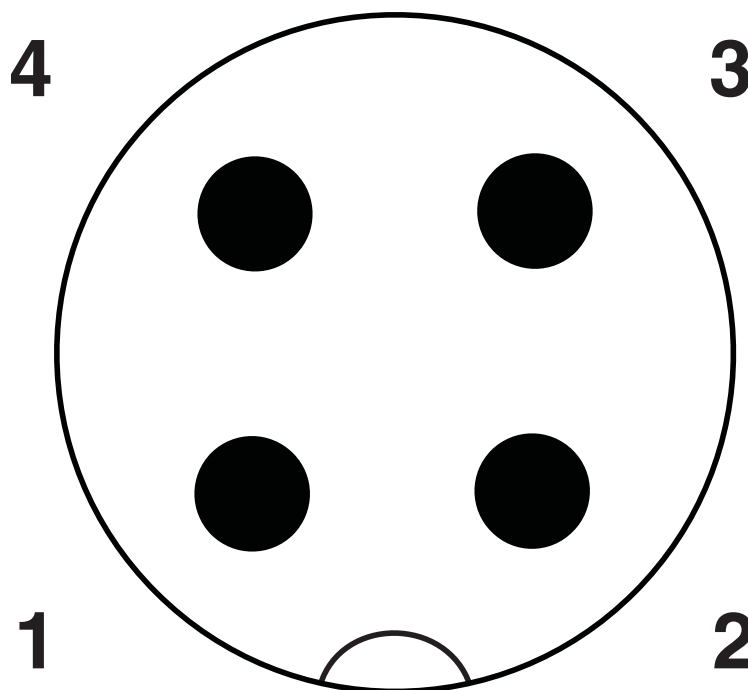
Mounting type	PCB mounting
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## Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

## Drawings

Schematic diagram



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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1411996>

<div> <b>cULus Recognized</b> Approval ID: E221474-20160506</div>				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	250 V	4 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440223
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### ETIM

ETIM 9.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	fc302a67-0a97-4aca-8736-2a1680fa1352

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## Accessories

### SACC-CIP-M12MS-4P SMD-SP - Sample set

1418643

<https://www.phoenixcontact.com/in/products/1418643>



Sample set, 4-position, Pin, straight, M12, coding: A, PCB mounting, SMD, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239207

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

1414000

<https://www.phoenixcontact.com/in/products/1414000>



Housing screw connection, Pin, M12, Rear mounting, SMD, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239053



# SACC-CIP-M12MS-4P SMD R32 - Contact carrier



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

1414002

<https://www.phoenixcontact.com/in/products/1414002>



Housing screw connection, Pin, M12-SPEEDCON, Rear mounting, M15 x 1, SMD, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239054

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

1412078

<https://www.phoenixcontact.com/in/products/1412078>



Housing screw connection, Pin, M12, Front mounting, M14 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238970

## SACC-CIP-M12MS-4P SMD R32 - Contact carrier

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## SACC-FP-M-M12/PRESS SMD - Housing screw connection

1412080

<https://www.phoenixcontact.com/in/products/1412080>

Housing screw connection, Pin, M12, Front mounting



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## SACC-BP-M-M12-SMD PP - Housing screw connection

1107993

<https://www.phoenixcontact.com/in/products/1107993>

Housing screw connection, Pin, M12-Push-pull external locking, Rear mounting, SMD



# SACC-CIP-M12MS-4P SMD R32 - Contact carrier



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## SACC-FP-M-M12-SMD PP - Housing screw connection

1107999

<https://www.phoenixcontact.com/in/products/1107999>



Housing screw connection, Pin, M12-Push-pull external locking, Front mounting, SMD

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