

# SACC-CI-M12MS-12P SMD R32 - Contact carrier



1411987

<https://www.phoenixcontact.com/us/products/1411987>

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Contact carrier, 12-position, Pin, straight, M12, A-coding, SMD reflow, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## 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	1411987
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB23
Product key	ABQBGN
GTIN	4046356992183
Weight per piece (including packing)	6.277 g
Weight per piece (excluding packing)	3.4 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	12
No. of control contacts	12
Seal present	no
Shielded	no
Coding	A
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

### Connection data

Connection method	SMD reflow
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### Material specifications

Material Insulating body	PA
Material Contact	CuZn
Material Contact surface	Au
Flammability rating according to UL 94	V0

### 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	IP67 (correctly plugged in and locked)
Ambient temperature (operation) (male connector/female connector)	-55 °C ... 105 °C
	-55 °C ... 105 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

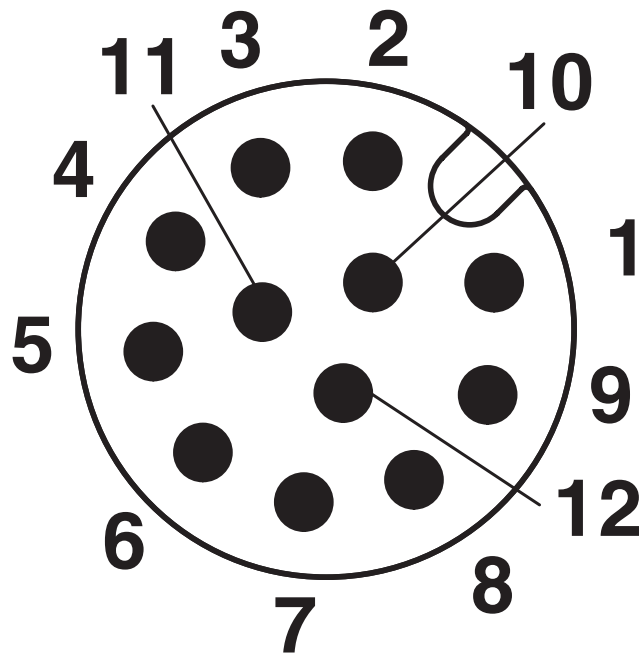
Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

## Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

## Drawings

Schematic diagram



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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1411987>

 <b>cULus Recognized</b> Approval ID: E221474-20160506				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	30 V	1.5 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

### ETIM

ETIM 10.0	EC003557
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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	1bae5ac2-0b88-4bcc-8fa9-309b341f1c4b

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