

# SACC-CI-M8MS-4P SMD R32 - Contact carrier



1412249

<https://www.phoenixcontact.com/no/products/1412249>

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Contact carrier, 4-position, Pin, straight, M8, coding: A, PCB mounting, SMD reflow, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1308269

## 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	1412249
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	31BAB
Product key	ABQHCH
GTIN	4046356988902
Weight per piece (including packing)	5.38 g
Weight per piece (excluding packing)	5.38 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

General	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
Number of positions	4
Application	Signal
Seal present	no
Shielded	no
Coding	A
Thread type	M8

### Insulation characteristics

Overvoltage category	III
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### Electrical properties

Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\leq 100 \text{ M}\Omega$
Nominal voltage $U_N$	48 V AC 60 V DC
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
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA

### Connector

#### Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M8
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, when plugged in
Ambient temperature (operation)	-55 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)

## Standards and regulations

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

## Mounting

Mounting type	PCB mounting
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## Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

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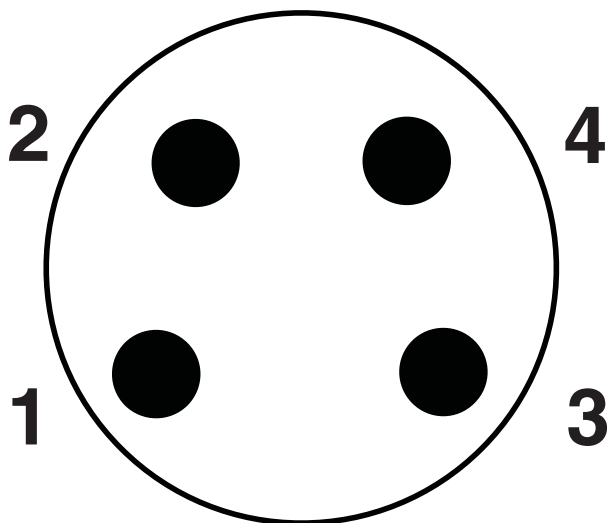
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## Drawings

Schematic diagram



Pin assignment M8 plug, 4-pos., view male side

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## Approvals

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

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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 9.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## 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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