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Contact carrier, 3-position, Pin, straight, M8, coding: A, PCB mounting, SMD reflow, this item is undergoing a smooth changeover, lead-free alternative in accordance with RoHS II without exception 6c (Pb < 0.1%) 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	1412225
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB22
Product key	ABQHCM
GTIN	4046356988292
Weight per piece (including packing)	3.043 g
Weight per piece (excluding packing)	2.38 g
Customs tariff number	85366990
Country of origin	DE

# SACC-CI-M8MS-3P SMD T - Contact carrier



1412225

<https://www.phoenixcontact.com/us/products/1412225>

## 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	3
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 (correctly plugged in and locked)
	IP67, when plugged in
Ambient temperature (operation)	-40 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)

## Standards and regulations

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

## Mounting

Mounting type	PCB mounting
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## Packaging specifications

Type of packaging	Tray
Delivery state	with assembly pad

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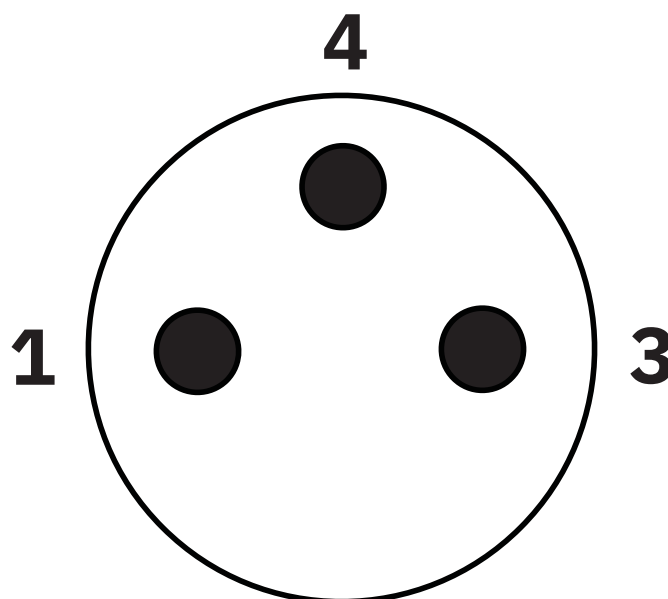
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## Drawings

Schematic diagram



Pin assignment M8 plug, 3-pos., view male side

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412225>

	<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-13.0	27440110
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### ETIM

ETIM 9.0	EC003568
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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	06180a7b-1274-438f-8a39-73e17ed9b1b7

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