

1412251

<https://www.phoenixcontact.com/us/products/1412251>

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Contact carrier, 4-position, Socket, straight, M8, coding: A, PCB mounting, SMD reflow, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1308273

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	1412251
Packing unit	1 pc
Minimum order quantity	100 pc
Sales key	AB22
Product key	ABQHCT
GTIN	4046356988926
Weight per piece (including packing)	5.101 g
Weight per piece (excluding packing)	4.18 g
Customs tariff number	85366990
Country of origin	DE



## 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	yes
Shielded	no
Coding	A
Thread type	M8

### Insulation characteristics

Overvoltage category	III
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### Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	48 V AC 60 V DC
Nominal current $I_N$	4 A

### 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	Socket
Head cable outlet	straight
Head thread type	M8
Coding	A

### Mechanical properties



# SACC-CIP-M8FS-4P SMD R32 - Contact carrier



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## 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)	-25 °C ... 105 °C
	-40 °C ... 105 °C (without mechanical actuation)

## Standards and regulations

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

## Mounting

Mounting type	PCB mounting
Connection method	SMD reflow

## Packaging specifications

Type of packaging	Belt
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412251>

	<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 8.0	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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