

# SACC-CI-M12FST-4P SMD SH R32 - Contact carrier



1412019

<https://www.phoenixcontact.com/us/products/1412019>

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Contact carrier, Power, 4-position, Socket, straight, M12, coding: T, PCB mounting, SMD reflow

## Your advantages

- For compact devices: transmit high power in a confined space
- 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

## Commercial data

Item number	1412019
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB23
Product key	ABQBGJ
GTIN	4046356992930
Weight per piece (including packing)	6.34 g
Weight per piece (excluding packing)	6.34 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	Power
Sensor type	Power
Number of positions	4
Seal present	no
Shielded	yes
Coding	T
Thread type	M12

#### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	63 V
Nominal current $I_N$	12 A

### Connection data

Connection method	SMD reflow
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### Interfaces

Signal type/category	Power
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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

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Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	T

## Cable/line

Signal type/category	Power
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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)	-25 °C ... 105 °C (Plug / socket) -55 °C ... 105 °C (without mechanical actuation)

## Standards and regulations

### M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-111
Note	In line with

## Mounting

Mounting type	PCB mounting
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## Packaging specifications

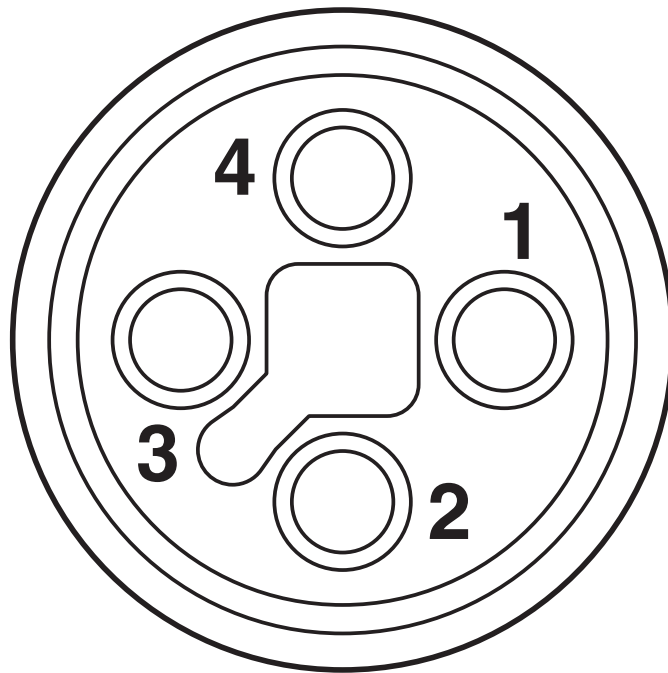
Type of packaging	Belt
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## Drawings

Schematic diagram



Pin assignment of M12 socket, 4-pos., T-coded, socket side view

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412019>

 <b>cUL Recognized</b> Approval ID: E468743-20190917				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	63 V	8 A	-	-

 <b>UL Recognized</b> Approval ID: E468743-20190917				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	63 V	10 A	-	-

<b>cULus Recognized</b>				
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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	65d054f4-3851-4e40-83b2-3fa0c0e5e5c3

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