

# SACC-CI-M12FSD-4P SMD T - Contact carrier



1411912

<https://www.phoenixcontact.com/us/products/1411912>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Contact carrier, 4-position, Socket, straight, M12, D-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	1411912
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB23
Product key	ABQBGS
GTIN	4046356989145
Weight per piece (including packing)	3.375 g
Weight per piece (excluding packing)	2.55 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.
--------------------	--

### Product properties

Product type	Contact insert
Application	Data
	Signal
Number of positions	4
Seal present	no
Shielded	no
Coding	D
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	250 V
Nominal current $I_N$	4 A

### Connection data

Connection method	SMD reflow
-------------------	------------

### 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	Socket
Head cable outlet	straight
Head thread type	M12

# SACC-CI-M12FSD-4P SMD T - Contact carrier



1411912

<https://www.phoenixcontact.com/us/products/1411912>

Coding	D
--------	---

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

## 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 (Plug / socket)
	-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	Tray
-------------------	------

# SACC-CI-M12FSD-4P SMD T - Contact carrier

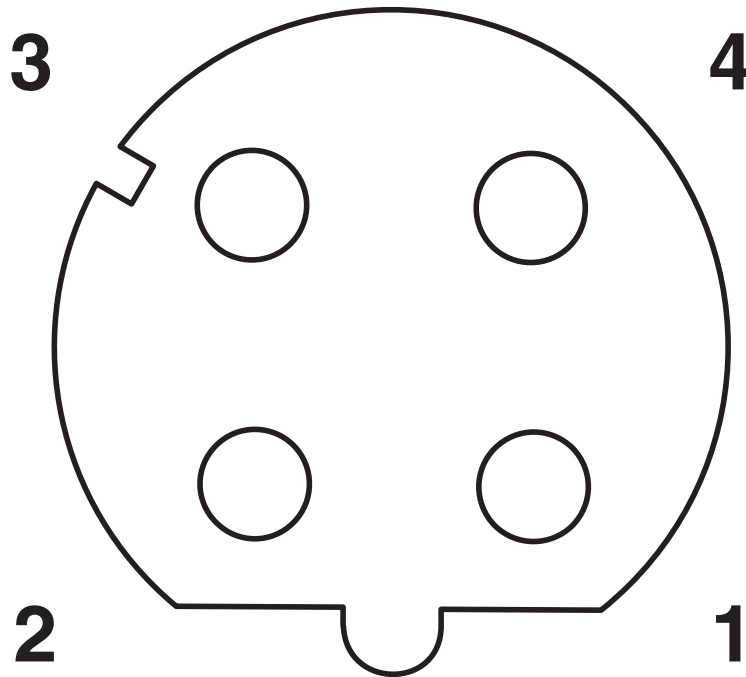


1411912

<https://www.phoenixcontact.com/us/products/1411912>

## Drawings

Schematic diagram



Pin assignment M12 socket, 4-pos., D-coded, female side

# SACC-CI-M12FSD-4P SMD T - Contact carrier




1411912

<https://www.phoenixcontact.com/us/products/1411912>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1411912>

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

# SACC-CI-M12FSD-4P SMD T - Contact carrier



1411912

<https://www.phoenixcontact.com/us/products/1411912>

## Classifications

### ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

### ETIM

ETIM 9.0	EC003557
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# SACC-CI-M12FSD-4P SMD T - Contact carrier



1411912

<https://www.phoenixcontact.com/us/products/1411912>

## 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	6da00d23-cc21-442b-b8ac-c0349cbad00e

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)