

# SACC-CI-M12FSS-4CON-L180 TOR PE - Contact carrier



1418344

<https://www.phoenixcontact.com/us/products/1418344>

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Contact carrier, Universal, 4-position, Socket, straight, M12, coding: S, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239192

## 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	1418344
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB23
Product key	ABQAGV
GTIN	4055626170695
Weight per piece (including packing)	10.289 g
Weight per piece (excluding packing)	8.6 g
Customs tariff number	85366990
Country of origin	DE

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## 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	Universal
Number of positions	4
Seal present	no
Shielded	no
Coding	S
Thread type	M12

### Data management status

Article revision	04
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### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	6 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	630 V
Nominal current I <sub>N</sub>	12 A

### Connection data

Connection method	THR solder connection
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### Interfaces

Signal type/category	Universal
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### Material specifications

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 4T

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## Connector

### Connection 1

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

## Cable/line

Signal type/category	Universal
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## Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	> 100

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

## Standards and regulations

M12	
Standard designation	M12 connector

## Mounting

Mounting type	PCB mounting
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## Packaging specifications

Type of packaging	Belt
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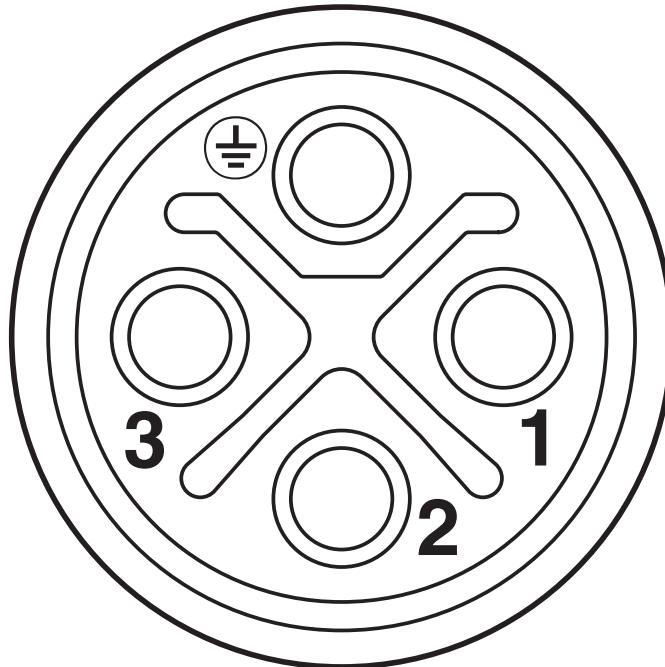


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## Drawings

Schematic diagram



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

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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1418344>

cUL Recognized				
Approval ID: E468743-20190917				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	600 V	12 A	16 - 16	-

UL Recognized				
Approval ID: E468743-20190917				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	600 V	12 A	16 - 16	-

cULus Recognized				
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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

### 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	6c67bd2a-6351-4b8b-8f26-bcc269d8e314

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### Phoenix Contact USA

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