

# SACC-CI-M12FS-4CON-L180 THR - Contact carrier



1439942

<https://www.phoenixcontact.com/pc/products/1439942>

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, coding: A, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237415

## 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
- Additional gasket for the device when not plugged in

## Commercial data

Item number	1439942
Packing unit	60 pc
Minimum order quantity	60 pc
Product key	ABQAGS
Catalog page	Page 256 (C-2-2013)
GTIN	4046356476706
Weight per piece (including packing)	4.716 g
Weight per piece (excluding packing)	3.945 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	Signal
Number of positions	4
Seal present	yes
Shielded	no
Coding	A
Thread type	M12

### Data management status

Article revision	03
------------------	----

### 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	THR solder connection
-------------------	-----------------------

### Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM / EPDM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PPA

### Connector

#### Connection 1

Head design	Socket
-------------	--------

# SACC-CI-M12FS-4CON-L180 THR - Contact carrier



1439942

<https://www.phoenixcontact.com/pc/products/1439942>

Head cable outlet	straight
Head thread type	M12
Coding	A

## Cable/line

Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (Cable, flexible installation)

## 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 ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
	-25 °C ... 85 °C (Cable, flexible installation)
	-40 °C ... 85 °C (cable, fixed installation)

## Standards and regulations

### M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

## Mounting

Mounting type	PCB mounting
---------------	--------------

## Packaging specifications

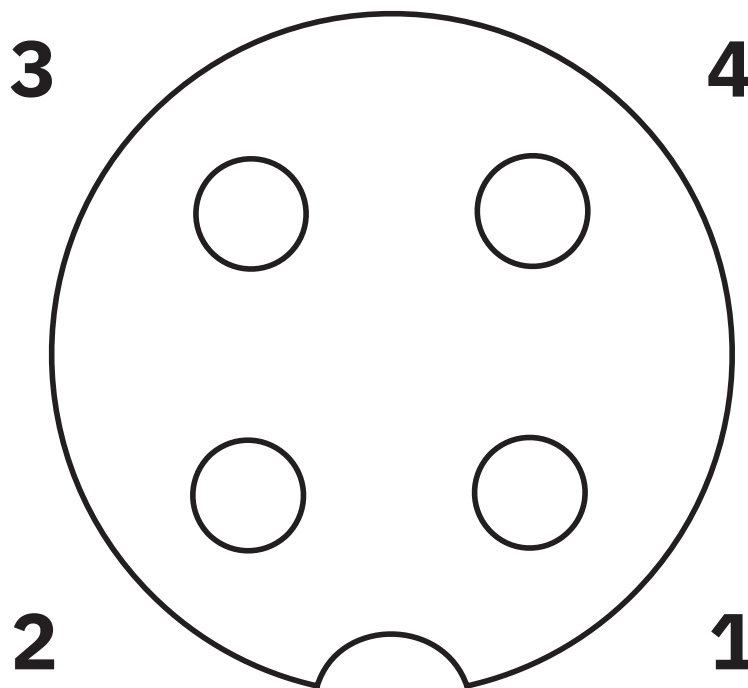
Type of packaging	Tray
-------------------	------

1439942

<https://www.phoenixcontact.com/pc/products/1439942>

## Drawings

Schematic diagram



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

# SACC-CI-M12FS-4CON-L180 THR - Contact carrier





1439942

<https://www.phoenixcontact.com/pc/products/1439942>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1439942>

 <b>cUL Recognized</b> Approval ID: E118976-20100522				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	250 V	4 A	22 - 22	-

 <b>UL Recognized</b> Approval ID: E118976-20100522				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	250 V	4 A	22 - 22	-

<b>cULus Recognized</b>				
-------------------------	--	--	--	--

# SACC-CI-M12FS-4CON-L180 THR - Contact carrier



1439942

<https://www.phoenixcontact.com/pc/products/1439942>

## Classifications

### ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440116
ECLASS-13.0	27460201

### ETIM

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

### UNSPSC

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

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	5425e734-af62-438d-88ab-acac7f338989