

1406412  
<https://www.phoenixcontact.com/us/products/1406412>

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, Power, 4-position, Socket, straight, M12, coding: T, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238746

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	1406412
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB23
Product key	ABQAGI
Catalog page	Page 288 (C-2-2013)
GTIN	4046356804363
Weight per piece (including packing)	5.338 g
Weight per piece (excluding packing)	5.26 g
Customs tariff number	85366990
Country of origin	DE

# SACC-CI-M12FST-4CON-L180 THR SH - Contact carrier



1406412

<https://www.phoenixcontact.com/us/products/1406412>

## 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	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

### Data management status

Article revision	05
------------------	----

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

### Interfaces

Signal type/category	Power
----------------------	-------

### Material specifications

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

# SACC-CI-M12FST-4CON-L180 THR SH - Contact carrier



1406412

<https://www.phoenixcontact.com/us/products/1406412>

## Connector

### Connection 1

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

## Cable/line

Signal type/category	Power
----------------------	-------

## 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, when plugged in
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
---------------	--------------

## Packaging specifications

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

# SACC-CI-M12FST-4CON-L180 THR SH - Contact carrier

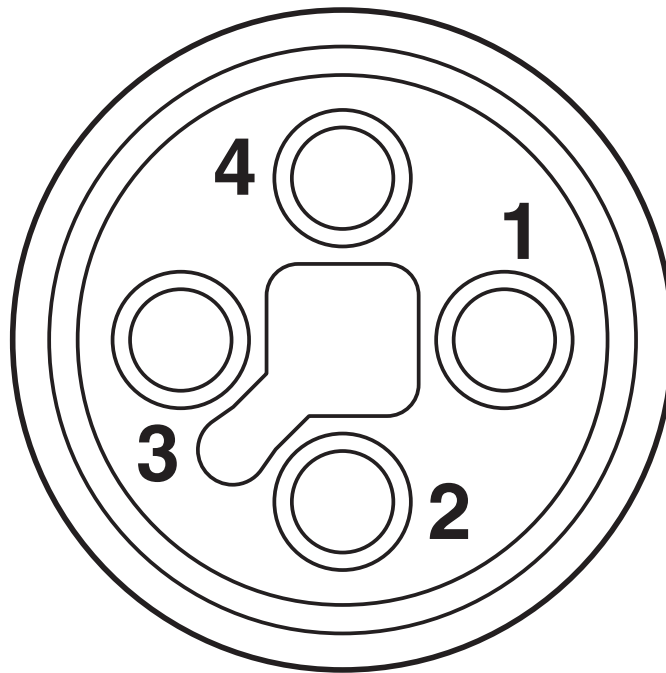


1406412

<https://www.phoenixcontact.com/us/products/1406412>

## Drawings

Schematic diagram



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


# SACC-CI-M12FST-4CON-L180 THR SH - Contact carrier




1406412  
<https://www.phoenixcontact.com/us/products/1406412>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1406412>

 <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	12 A	16 - 16	-

 <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	12 A	16 - 16	-

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

# SACC-CI-M12FST-4CON-L180 THR SH - Contact carrier



1406412  
<https://www.phoenixcontact.com/us/products/1406412>

## Classifications

### ECLASS

ECLASS-13.0	27440223
-------------	----------

### ETIM

ETIM 9.0	EC002637
----------	----------

### UNSPSC

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

# SACC-CI-M12FST-4CON-L180 THR SH - Contact carrier



1406412  
<https://www.phoenixcontact.com/us/products/1406412>

## 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	6b8e5807-4743-4c34-899f-099156fa016e

Phoenix Contact 2024 © - 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)