

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



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

Data management status

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

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	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

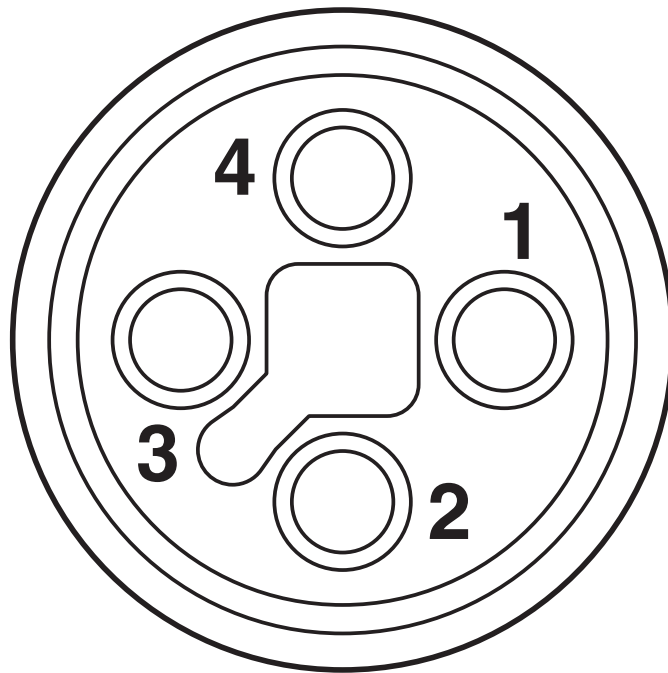


1406412

<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>

 cUL Recognized Approval ID: E468743-20190917				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	63 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
	63 V	12 A	16 - 16	-

cULus Recognized				
-------------------------	--	--	--	--

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



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

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27460201

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

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



1406412

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

Accessories

SACC-M12-SCO NUT - Housing screw connection

1552243

<https://www.phoenixcontact.com/us/products/1552243>



Housing screw connection, Socket, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237399

SACC-DSIV-M12-NUT - Housing screw connection

1416144

<https://www.phoenixcontact.com/us/products/1416144>



Housing screw connection, Pin, M12, Front mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239107

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



1406412

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

SACC-M12-SCO NUT L 90 - Housing screw connection

1432460

<https://www.phoenixcontact.com/us/products/1432460>



Housing screw connection, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237409

SACC-BP-F-M12/M15-6-THR - Housing screw connection

1414004

<https://www.phoenixcontact.com/us/products/1414004>



Housing screw connection, Socket, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239056

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



1406412

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

SACC-BP-F-M12/M15-7-THR - Housing screw connection

1414003

<https://www.phoenixcontact.com/us/products/1414003>



Housing screw connection, Socket, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239055

SACC-BP-F-M12/M15-6-THR SCO - Housing screw connection

1414020

<https://www.phoenixcontact.com/us/products/1414020>



Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239057

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



1406412

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

SACC-BP-F-M12/M15-7-THR SCO - Housing screw connection

1414005

<https://www.phoenixcontact.com/us/products/1414005>



Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237398

SACC-BP-F-M12/THR-1,0/1,8-9TIP - Housing screw connection

1419630

<https://www.phoenixcontact.com/us/products/1419630>



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.0 mm ... 1.8 mm thick front plates.

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



1406412

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

SACC-BP-F-M12/THR-1,7/2,5-9TIP - Housing screw connection

1419631

<https://www.phoenixcontact.com/us/products/1419631>



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.7 mm ... 2.5 mm thick front plates.

SACC-BP-F-M12/THR-2,4/3,2-9TIP - Housing screw connection

1419633

<https://www.phoenixcontact.com/us/products/1419633>



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 2.4 mm ... 3.2 mm thick front plates.

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



1406412

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

SACC-BP-F-M12/THR-3,1/3,9-9TIP - Housing screw connection

1419634

<https://www.phoenixcontact.com/us/products/1419634>



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 3.1 mm ... 3.9 mm thick front plates.

SACC-M12 NUT PRESS - Housing screw connection

1437889

<https://www.phoenixcontact.com/us/products/1437889>



Housing screw connection, Socket, M12, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237410

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



1406412

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

SACC-DSIV-M12-NUT-9 THR - Housing screw connection

1417989

<https://www.phoenixcontact.com/us/products/1417989>



Housing screw connection, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239181

SACC-BP-F-M12-THR PP - Housing screw connection

1027662

<https://www.phoenixcontact.com/us/products/1027662>



Housing screw connection, Socket, M12-Push-pull external locking, Rear mounting, M16, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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



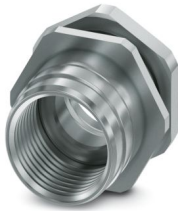
1406412

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

SACC-FP-F-M12-THR PP - Housing screw connection

1027678

<https://www.phoenixcontact.com/us/products/1027678>



Housing screw connection, Socket, M12-Push-pull external locking, Front mounting, M14 x 1, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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