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

1406411

https://www.phoenixcontact.com/us/products/1406411

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.: 1238745

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	1406411
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB23
Product key	ABQAGU
Catalog page	Page 288 (C-2-2013)
GTIN	4046356804387
Weight per piece (including packing)	5.2 g
Weight per piece (excluding packing)	5.11 g
Customs tariff number	85366930
Country of origin	DE

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

1406411

https://www.phoenixcontact.com/us/products/1406411

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	no
Coding	T
Thread type	M12

Data management status

Article revision	00

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
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 4T

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)
	IP20 (Not plugged in)
	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

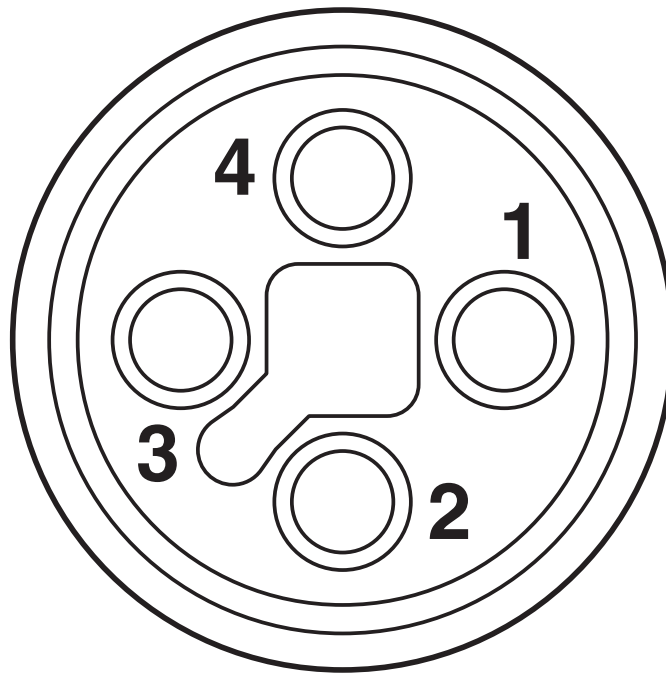|	
Type of packaging	Tray

Drawings

Schematic diagram

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1406411

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

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002637

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	ea5c2e47-df1f-4356-b262-ea750f2056c3

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