

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



1406411

<https://www.phoenixcontact.com/no/products/1406411>

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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	31BAB
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

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Technical data

Notes

General	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
Sensor type	Power
Number of positions	4
Application	Power
Seal present	no
Shielded	no
Coding	T
Thread type	M12

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
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Interfaces

Signal type/category	Power
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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

Connector

Connection 1

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



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

Cable/line

Signal type/category	Power
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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
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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
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Mounting

Mounting type	PCB mounting
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Packaging specifications

Type of packaging	Tray
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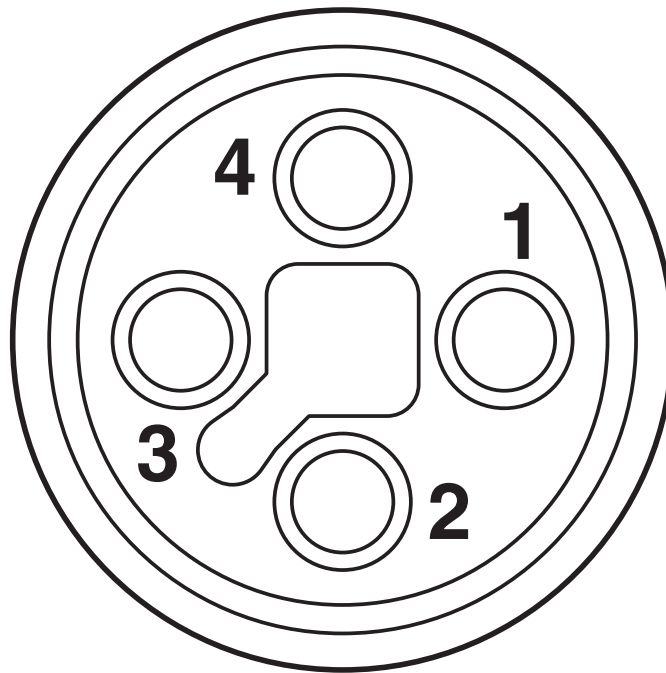
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Drawings

Schematic diagram



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

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Approvals

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 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				
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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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