SACC-CI-M12MST-4CON-L180 THR - Contact carrier

1406396

https://www.phoenixcontact.com/us/products/1406396

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Contact carrier, Power, 4-position, Pin, straight, M12, coding: T, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238741

Your advantages

- For compact devices: transmit high power in a confined space
- Reduced mounting costs thanks to two-piece device connector
- 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
- Packaging available for automated pick and place assembly

Commercial data

Item number	1406396
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB23
Product key	ABQAGO
Catalog page	Page 288 (C-2-2013)
GTIN	4046356804370
Weight per piece (including packing)	5.635 g
Weight per piece (excluding packing)	5.47 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	Power
Sensor type	Power
Number of positions	4
Seal present	yes
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
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 4T

Connector

Connection 1

Head design	Pin
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
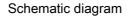
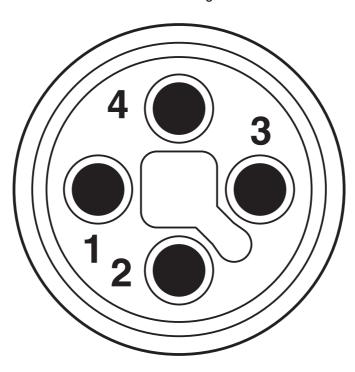|	
Type of packaging	Tray

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Drawings

Schematic diagram

Connector pin assignment of M12 plug, 4-pos., T-coded, view of pin side

Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1406396

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	-

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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

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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	4e17a367-c9f6-439f-91bd-5713d1141c19

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