SACC-CI-M12MSS-4CON-L180 THR PE - Contact carrier

1406410

https://www.phoenixcontact.com/no/products/1406410

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Contact carrier, Universal, 4-position, Pin, straight, M12, coding: S, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238744

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	1406410
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	31BAB
Product key	ABQAGO
Catalog page	Page 288 (C-2-2013)
GTIN	4046356804332
Weight per piece (including packing)	5.015 g
Weight per piece (excluding packing)	4.7 g
Customs tariff number	85366990
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.

Product properties

Product type	Contact insert
Sensor type	Universal
Number of positions	4
Application	Power
Seal present	yes
Shielded	no
Coding	S
	S
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	630 V
Nominal current I_N	12 A

Connection data

Connection method	THR solder connection

Interfaces

Signal type/category	Universal

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

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Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Coding	S

Cable/line

Signal type/category	Universal

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
Standards/specifications	IEC 61076-2-111
Note	In line with

Mounting

Mounting type	PCB mounting

Packaging specifications

Type of packaging	Blister

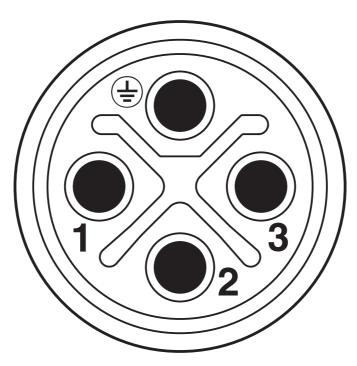# SACC-CI-M12MSS-4CON-L180 THR PE - Contact carrier

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Drawings

Schematic diagram

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

Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/no/products/1406410

cUL Recognized
Approval ID: E468743-20190917

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	12 A	16 - 16	-

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635

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"