SACC-CI-M12FSS-4CON-L180 TOR PE - Contact carrier

1418344

https://www.phoenixcontact.com/gb/products/1418344

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, Universal, 4-position, Socket, straight, M12, coding: S, PCB mounting, THR solder connection, this item is undergoing a smooth changeover, lead-free alternative in accordance with RoHS II without exception 6c (Pb < 0.1%) possible on request in advance

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	1418344
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	ABQAGV
Product key	ABQAGV
GTIN	4055626170695
Weight per piece (including packing)	10.289 g
Weight per piece (excluding packing)	2.89 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	Universal
Number of positions	4
Connection profile	3+PE
No. of power contacts	3
Seal present	no
Shielded	no
Coding	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
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 4T

Connector

SACC-CI-M12FSS-4CON-L180 TOR PE - Contact carrier

1418344

https://www.phoenixcontact.com/gb/products/1418344

Connection 1

Head design	Socket
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
Ambient temperature (operation)	-25 °C ... 105 °C
	-40 °C ... 105 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

Mounting

Mounting type	PCB mounting

Packaging specifications

Type of packaging	Belt

SACC-CI-M12FSS-4CON-L180 TOR PE - Contact carrier
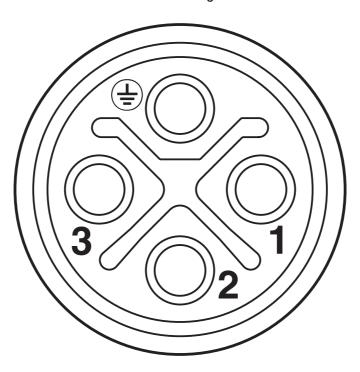
1418344

https://www.phoenixcontact.com/gb/products/1418344

Drawings

Schematic diagram

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

Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1418344

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	-

UL 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	-

SACC-CI-M12FSS-4CON-L180 TOR PE - Contact carrier

1418344

https://www.phoenixcontact.com/gb/products/1418344

Classifications

ECLASS

ECLASS-13.0	27440110

ETIM

ETIM 9.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

SACC-CI-M12FSS-4CON-L180 TOR PE - Contact carrier

1418344

https://www.phoenixcontact.com/gb/products/1418344

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	6c67bd2a-6351-4b8b-8f26-bcc269d8e314