

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, SMD reflow

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	1412019
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	ABQBGJ
Product key	ABQBGJ
GTIN	4046356992930
Weight per piece (including packing)	6.34 g
Weight per piece (excluding packing)	3.065 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
No. of power contacts	4
Seal present	no
Shielded	yes
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	SMD reflow
-------------------	------------

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

Connector

SACC-CI-M12FST-4P SMD SH R32 - Contact carrier



1412019

<https://www.phoenixcontact.com/gb/products/1412019>

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)
	IP67, when plugged in
Ambient temperature (operation)	-25 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-111

Mounting

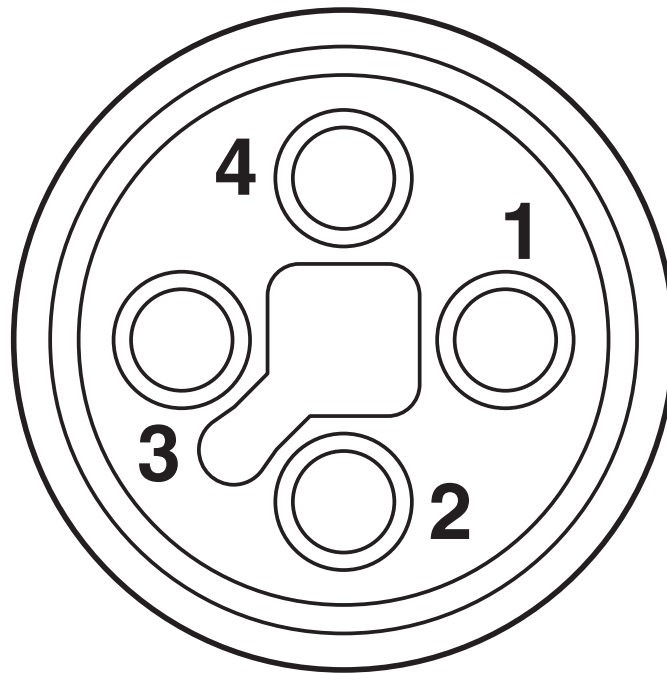
Mounting type	PCB mounting
---------------	--------------

Packaging specifications

Type of packaging	Belt
-------------------	------

Drawings

Schematic diagram



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

SACC-CI-M12FST-4P SMD SH R32 - Contact carrier



1412019

<https://www.phoenixcontact.com/gb/products/1412019>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1412019>

	cUL Recognized Approval ID: E468743-20190917			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	63 V	8 A	-	-

	UL Recognized Approval ID: E468743-20190917			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	63 V	10 A	-	-

SACC-CI-M12FST-4P SMD SH R32 - Contact carrier



1412019

<https://www.phoenixcontact.com/gb/products/1412019>

Classifications

ECLASS

ECLASS-13.0	27440110
-------------	----------

ETIM

ETIM 9.0	EC002635
----------	----------

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	65d054f4-3851-4e40-83b2-3fa0c0e5e5c3