

SACC-CI-M12FST-4CON-L180 THR SH SP - Sample set



1421316

<https://www.phoenixcontact.com/us/products/1421316>

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.



The figure shows the unshielded version

Sample set, Universal, 4-position, Socket, straight, M12, T-coding, THR solder connection, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Commercial data

Item number	1421316
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF19
Product key	ABQXAA
GTIN	4055626257815
Weight per piece (including packing)	5 g
Weight per piece (excluding packing)	2.833 g
Customs tariff number	85366930
Country of origin	DE

SACC-CI-M12FST-4CON-L180 THR SH SP - Sample set



1421316

<https://www.phoenixcontact.com/us/products/1421316>

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
No. of power contacts	4
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	60 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

Connector

Connection 1

SACC-CI-M12FST-4CON-L180 THR SH SP - Sample set



1421316

<https://www.phoenixcontact.com/us/products/1421316>

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

Cable/line

Signal type/category	Universal
----------------------	-----------

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 105 °C
	-40 °C ... 105 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

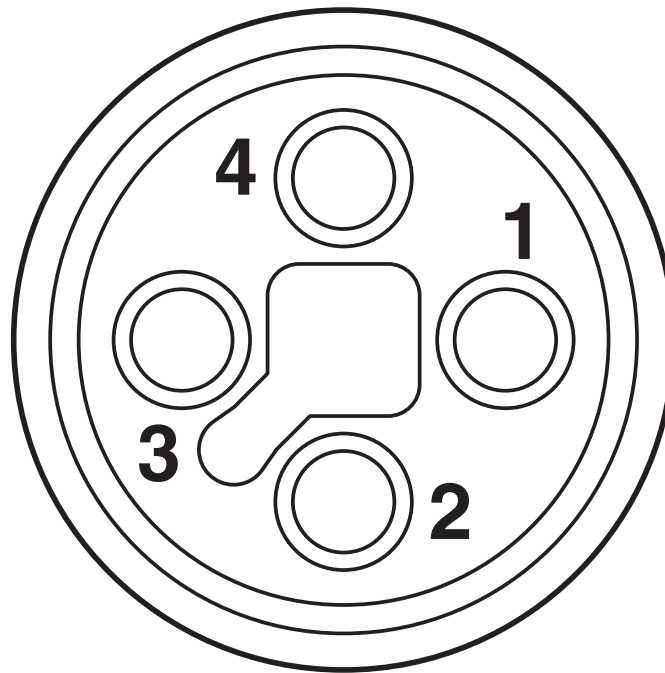
SACC-CI-M12FST-4CON-L180 THR SH SP - Sample set

1421316

<https://www.phoenixcontact.com/us/products/1421316>

Drawings

Schematic diagram



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

SACC-CI-M12FST-4CON-L180 THR SH SP - Sample set





1421316

<https://www.phoenixcontact.com/us/products/1421316>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1421316>

 cUL Recognized Approval ID: E468743-20190917				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	63 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
keine				
	63 V	12 A	16	-

SACC-CI-M12FST-4CON-L180 THR SH SP - Sample set



1421316

<https://www.phoenixcontact.com/us/products/1421316>

Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 10.0	EC003557
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

SACC-CI-M12FST-4CON-L180 THR SH SP - Sample set



1421316

<https://www.phoenixcontact.com/us/products/1421316>

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	a6c723fb-d972-4505-86fb-97f07476fdab

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com