

SACC-CI-M12FSD-4CON-L180 - Contact carrier



1551480

<https://www.phoenixcontact.com/us/products/1551480>

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, Ethernet/PROFINET CAT5 (100 Mbps), 4-position, Socket, straight, M12, coding: D, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239985

Your advantages

- Reduced mounting costs thanks to two-piece device connector
- 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

Commercial data

Item number	1551480
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQAGS
Catalog page	Page 254 (C-2-2013)
GTIN	4046356157285
Weight per piece (including packing)	4.72 g
Weight per piece (excluding packing)	4.375 g
Customs tariff number	85366990
Country of origin	DE

SACC-CI-M12FSD-4CON-L180 - Contact carrier



1551480

<https://www.phoenixcontact.com/us/products/1551480>

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	Data Signal
Sensor type	Ethernet/PROFINET
Number of positions	4
Seal present	yes
Shielded	yes
Coding	D
Thread type	M12

Data management status

Article revision	04
------------------	----

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	250 V
Nominal current I_N	4 A
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Connection data

Connection method	Wave soldering
-------------------	----------------

Interfaces

Signal type/category	Ethernet/PROFINET CAT5, 100 Mbps
----------------------	----------------------------------

Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	CuZn

SACC-CI-M12FSD-4CON-L180 - Contact carrier



1551480

<https://www.phoenixcontact.com/us/products/1551480>

Contact surface material	Au
Contact carrier material	PA 6.6

Connector

Connection 1

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

Cable/line

Signal type/category	Ethernet/PROFINET CAT5, 100 Mbps
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation) -25 °C ... 85 °C (Cable, flexible installation)

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (correctly plugged in and locked) IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket) -40 °C ... 85 °C (without mechanical actuation) -25 °C ... 85 °C (Cable, flexible installation) -40 °C ... 85 °C (cable, fixed installation)

Standards and regulations

M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

Mounting

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

SACC-CI-M12FSD-4CON-L180 - Contact carrier

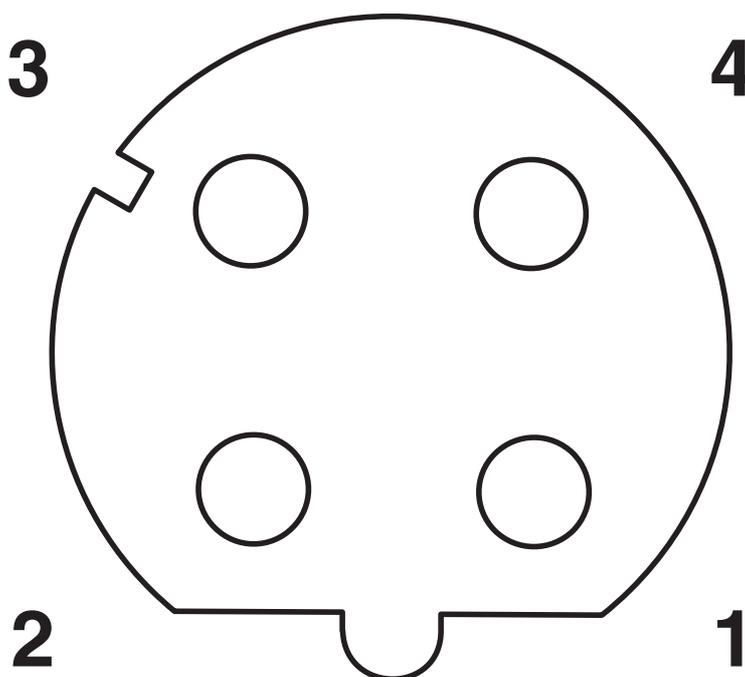


1551480

<https://www.phoenixcontact.com/us/products/1551480>

Drawings

Schematic diagram



Pin assignment M12 socket, 4-pos., D-coded, female side

SACC-CI-M12FSD-4CON-L180 - Contact carrier



1551480

<https://www.phoenixcontact.com/us/products/1551480>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1551480>

 cUL Recognized Approval ID: E118976-20100522				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	4 A	22 - 22	-

 UL Recognized Approval ID: E118976-20100522				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	4 A	22 - 22	-

 cULus Recognized Approval ID: E221474-20140616				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	4 A	-	-

cULus Recognized

SACC-CI-M12FSD-4CON-L180 - Contact carrier



1551480

<https://www.phoenixcontact.com/us/products/1551480>

Classifications

ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440116
ECLASS-13.0	27440223

ETIM

ETIM 9.0	EC003557
----------	----------

UNSPSC

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

1551480

<https://www.phoenixcontact.com/us/products/1551480>

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	d107631e-f08e-42ab-b341-47ee34fb91df

Phoenix Contact 2024 © - 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