

SACC-DSIV-M12-NUT-9 THR - Housing screw connection



1417989

<https://www.phoenixcontact.com/us/products/1417989>

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.



Housing screw connection, Socket, M12-Screw locking mechanism, THR solder connection, this item is expected to be lead-free from Q4 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Your advantages

- Easy device integration, thanks to mechanical port screw connections with threaded fastening
- Flexible PCB assembly: two-piece connectors for wave and THR soldering

Commercial data

Item number	1417989
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB23
Product key	ABQACI
GTIN	4055626276984
Weight per piece (including packing)	9.356 g
Weight per piece (excluding packing)	9.356 g
Customs tariff number	74198090
Country of origin	DE

SACC-DSIV-M12-NUT-9 THR - Housing screw connection



1417989

<https://www.phoenixcontact.com/us/products/1417989>

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.
Order information:	If necessary, order locking nut separately

Product properties

Product type	Circular connector housing
Thread type	M12

Connection data

Connection method	THR solder connection
-------------------	-----------------------

Material specifications

Material Housing	CuZn
Material Housing surface	Ni

Connector

Connection 1

Head design	Socket
Head thread type	M12
Head locking type	Screw locking mechanism

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 in locked state
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket) -40 °C ... 85 °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 61076-2-101

Mounting

Mounting type	Front mounting
---------------	----------------

SACC-DSIV-M12-NUT-9 THR - Housing screw connection



1417989

<https://www.phoenixcontact.com/us/products/1417989>

Classifications

ECLASS

ECLASS-13.0	27440224
ECLASS-15.0	27440224

ETIM

ETIM 9.0	EC003556
----------	----------

UNSPSC

UNSPSC 21.0	39121100
-------------	----------

SACC-DSIV-M12-NUT-9 THR - Housing screw connection



1417989

<https://www.phoenixcontact.com/us/products/1417989>

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	8e6885b3-ec75-4d37-83e7-7ced389656d1

Phoenix Contact 2025 © - 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