

# SACC-DSIV-M12-PLUG - Housing screw connection



1416145

<https://www.phoenixcontact.com/us/products/1416145>

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.



Similar figure

Housing screw connection, Pin, M12-Screw locking mechanism, 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

## 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	1416145
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB23
Product key	ABQACA
GTIN	4055626064314
Weight per piece (including packing)	6.32 g
Weight per piece (excluding packing)	5.844 g
Customs tariff number	85366990
Country of origin	DE

# SACC-DSIV-M12-PLUG - Housing screw connection



1416145

<https://www.phoenixcontact.com/us/products/1416145>

## 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:	Lock nut is included in the scope of delivery

### Product properties

Product type	Circular connector housing
Thread type	M12

### Material specifications

Material Housing	GD-Zn
Material Housing surface	nickel-plated
Material Screw connection	Brass, nickel-plated
Material Seal	EPDM

### Connector

#### Connection 1

Head design	Pin
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-PLUG - Housing screw connection



1416145

<https://www.phoenixcontact.com/us/products/1416145>

## Classifications

### ECLASS

ECLASS-13.0	27440224
ECLASS-15.0	27440224

### ETIM

ETIM 10.0	EC003556
-----------	----------

### UNSPSC

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

# SACC-DSIV-M12-PLUG - Housing screw connection



1416145

<https://www.phoenixcontact.com/us/products/1416145>

## 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	267d4473-413a-4c82-a8d4-19cf7a516032

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](mailto:info@phoenixcon.com)