

# SACC-BP-M-M12/M15-6-THR PW - Housing screw connection



1420826

<https://www.phoenixcontact.com/us/products/1420826>

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, Pin, M12-Screw locking mechanism, THR and wave soldering, 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
- Efficient PCB assembly: two-piece connectors for THR soldering

## Commercial data

Item number	1420826
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQADC
GTIN	4055626280394
Weight per piece (including packing)	12.017 g
Weight per piece (excluding packing)	10.308 g
Customs tariff number	85366990
Country of origin	DE

# SACC-BP-M-M12/M15-6-THR PW - Housing screw connection



1420826

<https://www.phoenixcontact.com/us/products/1420826>

## 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

### Connection data

Connection method	THR and wave soldering
Tightening torque	1.5 ... 2 Nm

### Material specifications

Material Housing	GD-Zn
Material Housing surface	nickel-plated
Material Screw connection	Brass, nickel-plated
Material Seal	FKM
Flammability rating according to UL 94	V0

### Connector

#### Connection 1

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

### 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 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)

# SACC-BP-M-M12/M15-6-THR PW - Housing screw connection



1420826  
<https://www.phoenixcontact.com/us/products/1420826>

## Mounting

Mounting type	Rear mounting (M15 x 1)
---------------	-------------------------

# SACC-BP-M-M12/M15-6-THR PW - Housing screw connection



1420826

<https://www.phoenixcontact.com/us/products/1420826>

## Classifications

### ECLASS

ECLASS-13.0	27440224
ECLASS-15.0	27440224

### ETIM

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

### UNSPSC

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

# SACC-BP-M-M12/M15-6-THR PW - Housing screw connection



1420826

<https://www.phoenixcontact.com/us/products/1420826>

## 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	05e11741-e87c-4ff9-ba6e-ab320d176d13

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](mailto:info@phoenixcon.com)