

# SACC-BP-M-M12-THR PP - Housing screw connection

1027661

<https://www.phoenixcontact.com/us/products/1027661>



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Housing screw connection, Pin, M12-Push-pull external locking, THR and wave soldering, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## Your advantages

- Manufacturer-independent M12 push-pull locking system for maximum availability
- Easy and quick cabling of devices and systems in hard-to-reach areas
- 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	1027661
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQABA
GTIN	4055626533360
Weight per piece (including packing)	12.69 g
Weight per piece (excluding packing)	11.073 g
Customs tariff number	79070000
Country of origin	DE

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## 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	Brass, nickel-plated
Flammability rating according to UL 94	V0
Seal material	EPDM
Material for screw connection	Brass, nickel-plated

### Connector

#### Connection 1

Head design	Pin
Head thread type	M12
Head locking type	Push-pull external locking

### 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)

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## Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	based on IEC 61076-2-010
Note	Push-pull

## Mounting

Mounting type	Rear mounting (M15 x 1)
Assembly note	Spacing between the top edge of the PCB and the back of the front plate: 6 mm

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## Classifications

### ECLASS

ECLASS-13.0	27440224
ECLASS-15.0	27440224

### ETIM

ETIM 9.0	EC003556
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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