

# SACC-BP-F-M12/M15-6-THR<sub>X</sub> - Housing screw connection



1239056

<https://www.phoenixcontact.com/ae/products/1239056>

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Housing screw connection, Socket, M12-Screw locking mechanism, THR solder connection, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## 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	1239056
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB
Product key	ABQADE
GTIN	4063151432720
Weight per piece (including packing)	10.4 g
Weight per piece (excluding packing)	10.4 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
Application	Railway applications
Thread type	M12

### Connection data

Connection method	THR solder connection
Tightening torque	1.5 ... 2 Nm

### Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Screw connection	Brass, nickel-plated
Material Seal	FKM (O-ring on housing) FKM (O-ring (pin connector pattern))
Seal material	FKM

### Connector

#### Connection 1

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

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	> 100
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### 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)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket) -40 °C ... 85 °C (without mechanical actuation)

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UL Type Rating	Type 4 (indoor use only)
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## Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101
Standard designation	Shock, vibration
Standards/specifications	according to EN 50155
Standard designation	Shock, vibration
Standards/specifications	according to EN 61373:2011

## 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	26121600
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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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