

# SACC-BP-F-M12/M15-7-THR SCO - Housing screw connection



1414005

<https://www.phoenixcontact.com/us/products/1414005>

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Housing screw connection, Socket, M12-SPEEDCON, 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
- SPEEDCON fast locking system reduces cabling times

## Commercial data

Item number	1414005
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQAFC
GTIN	4055626022628
Weight per piece (including packing)	10.85 g
Weight per piece (excluding packing)	9.568 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 solder connection
Tightening torque	1.5 ... 2 Nm

### Material specifications

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

### Connector

#### Connection 1

Head design	Socket
Head thread type	M12
Head locking type	SPEEDCON

### 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) 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)

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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

## 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: 7 mm

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## Classifications

### ECLASS

ECLASS-13.0	27440224
ECLASS-15.0	27440224

### ETIM

ETIM 10.0	EC003556
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### UNSPSC

UNSPSC 21.0	31171600
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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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