

# SACC-FP-M-M12/PRESS SMD - Housing screw connection

1412080

<https://www.phoenixcontact.com/us/products/1412080>

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Housing screw connection, Pin, M12-Screw locking mechanism



## Your advantages

- Reduced mounting costs thanks to two-piece device connector
- Easy device integration, thanks to mechanical port screw connections with press-in contour
- Efficient PCB assembly: two-piece connectors for SMT soldering

## Commercial data

Item number	1412080
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB23
Product key	ABQBCD
GTIN	4046356992985
Weight per piece (including packing)	7.62 g
Weight per piece (excluding packing)	7.5 g
Customs tariff number	74153300
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.
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### Product properties

Product type	Circular connector housing
Thread type	M12

### Material specifications

Material	Brass, nickel-plated
Material for screw connection	Brass, nickel-plated

### Connector

#### Connection 1

Head design	Pin
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) 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 (Press-in mounting)
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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	39121100
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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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