

# SACC-FPF-F-M12/M16 THR PPI - Housing screw connection



1233777

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M12 push-pull housing screw connection for M12 socket inserts, with molded seal



## 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	1233777
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQAAJ
GTIN	4063151335991
Weight per piece (including packing)	12.8 g
Weight per piece (excluding packing)	11.655 g
Customs tariff number	74198090
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:	If necessary, order locking nut separately

### Product properties

Product type	Circular connector housing
Thread type	M12

### Connection data

Connection method	THR solder connection
Tightening torque	2 ... 3 Nm

### Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Material of grip body	Brass, nickel-plated
Material for screw connection	Brass, nickel-plated

### Connector

#### Connection 1

Head design	Socket
Head thread type	M12
Head locking type	Push-pull internal locking

### Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	> 100

### Environmental and real-life conditions

Ambient conditions	
Degree of protection (when plugged in)	IP65/IP67 (correctly plugged in and locked)
Degree of protection	IP65/IP67 (correctly plugged in and locked)
	IP67, when in locked state
	IP65, 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	based on IEC 61076-2-010

## Mounting

Mounting type	Front mounting (M16)
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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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