

# SACC-FP-F-M12/M16 SMD PPI - Housing screw connection



1454494

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Housing screw connection, Socket, M12-Push-pull internal locking, SMD reflow

## Your advantages

- Plug and Produce: quick and reliable connection even in confined spaces
- Easy design-in: countersunk M12 ports for compact device concepts
- Highly future-proof: standardized product range for worldwide availability
- Greater flexibility: one M12 device connection for screw and push-pull connectors

## Commercial data

Item number	1454494
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQBAJ
GTIN	4063151843397
Weight per piece (including packing)	13.07 g
Weight per piece (excluding packing)	11.475 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	SMD reflow
Tightening torque	2 ... 3 Nm

### Material specifications

Material	Brass, nickel-plated (Locking nut)
Seal material	FKM
	FKM
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
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP65 (correctly plugged in and locked)
	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)
UL Type Rating	Type 4 (indoor use only)

### Standards and regulations

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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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## 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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