SACC-FP-F-M12/PRESS SMD PPI - Housing screw connection

1454495

https://www.phoenixcontact.com/us/products/1454495

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The figure shows standard version

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	1454495
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQBAK
GTIN	4063151844301
Weight per piece (including packing)	10.73 g
Weight per piece (excluding packing)	9.167 g
Customs tariff number	74198090
Country of origin	DE

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.

Product properties

Product type	Circular connector housing
Thread type	M12

Connection data

Connection method	SMD reflow

Material specifications

Seal material	FKM (Molded seal)
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)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

Standard designation	M12 circular connector

Standards/specifications	based on IEC 61076-2-010

Mounting

Mounting type	Front mounting (Press-in mounting)

Classifications

ECLASS

ECLASS-13.0	27440224
ECLASS-15.0	27440224

ETIM

ETIM 10.0	EC003556

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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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