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Housing screw connection, Socket, M12-Screw locking mechanism, THR solder connection

Your advantages

- Easy device integration, thanks to mechanical port screw connections with press-in contour
- Flexible PCB assembly: two-piece connectors for wave and THR soldering

Commercial data

Item number	1437889
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB23
Product key	ABQACK
GTIN	4046356457552
Weight per piece (including packing)	10.28 g
Weight per piece (excluding packing)	10.143 g
Customs tariff number	74198090
Country of origin	DE

SACC-M12 NUT PRESS - Housing screw connection



1437889

<https://www.phoenixcontact.com/us/products/1437889>

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

Connection data

Connection method	THR solder connection
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Material specifications

Material Housing	CuZn/Ni
Material Seal	EPDM (O-ring)

Connector

Connection 1

Head design	Socket
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 ... 105 °C (Plug / socket) -40 °C ... 105 °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

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Mounting

Mounting type	Front mounting (Press-in mounting)
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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
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%