SACC-BP-F-M12/M15-6-THR PW - Housing screw connection

1420827

https://www.phoenixcontact.com/us/products/1420827

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Housing screw connection, Socket, M12-Screw locking mechanism, THR solder connection, this item is expected to be lead-free from Q4 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Your advantages

- Easy device integration, thanks to mechanical port screw connections with threaded fastening
- Efficient PCB assembly: two-piece connectors for THR soldering

Commercial data

Item number	1420827
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQADH
GTIN	4055626280509
Weight per piece (including packing)	11.275 g
Weight per piece (excluding packing)	10.068 g
Customs tariff number	85366990
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.
Order information:	Lock nut is included in the scope of delivery

Product properties

Product type	Circular connector housing
Thread type	M12

Connection data

Connection method	THR solder connection

Material specifications

Material	Brass, nickel-plated
Flammability rating according to UL 94	V0
Seal material	FKM

Connector

Connection 1

Head design	Socket
Head thread type	M12
Head locking type	Screw locking mechanism

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 61076-2-111

Mounting

Mounting type	Rear mounting

Classifications

ECLASS

ECLASS-13.0	27440224
ECLASS-15.0	27440224

ETIM

ETIM 9.0	EC003556

UNSPSC

UNSPSC 21.0	39121400

SACC-BP-F-M12/M15-6-THR PW - Housing screw connection

1420827

https://www.phoenixcontact.com/us/products/1420827

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	17b5d069-2454-4032-8791-f86b3b02b3f6