

SACC-BP-F-M12/M15-7-THR - Housing screw connection



1414003

<https://www.phoenixcontact.com/us/products/1414003>

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, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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	1414003
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQADE
GTIN	4055626022604
Weight per piece (including packing)	10.79 g
Weight per piece (excluding packing)	9.258 g
Customs tariff number	79070000
Country of origin	DE

SACC-BP-F-M12/M15-7-THR - Housing screw connection



1414003

<https://www.phoenixcontact.com/us/products/1414003>

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
Tightening torque	1.5 ... 2 Nm

Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Screw connection	Brass, nickel-plated
Material Seal	FKM (O-ring on housing) FKM (O-ring (pin connector pattern))

Connector

Connection 1

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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

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)
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)

SACC-BP-F-M12/M15-7-THR - Housing screw connection



1414003

<https://www.phoenixcontact.com/us/products/1414003>

Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

Mounting

Mounting type	Rear mounting (M15 x 1)
Assembly note	Spacing between the top edge of the PCB and the back of the front plate: 7 mm

SACC-BP-F-M12/M15-7-THR - Housing screw connection



1414003

<https://www.phoenixcontact.com/us/products/1414003>

Classifications

ECLASS

ECLASS-13.0	27440224
ECLASS-15.0	27440224

ETIM

ETIM 10.0	EC003556
-----------	----------

UNSPSC

UNSPSC 21.0	31171600
-------------	----------

SACC-BP-F-M12/M15-7-THR - Housing screw connection



1414003

<https://www.phoenixcontact.com/us/products/1414003>

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com