

SACC-FP-FPF-M12/M16 THR PW PPI - Housing screw connection



1454491

<https://www.phoenixcontact.com/us/products/1454491>

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-Push-pull internal locking, THR solder connection



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
- Time savings of 80% during installation compared to screw connection

Commercial data

Item number	1454491
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQAAM
GTIN	4063151843557
Weight per piece (including packing)	11.95 g
Weight per piece (excluding packing)	10.608 g
Customs tariff number	85389099
Country of origin	DE

SACC-FP-FPF-M12/M16 THR PW PPI - Housing screw connection



1454491

<https://www.phoenixcontact.com/us/products/1454491>

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	THR solder connection
-------------------	-----------------------

Material specifications

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

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	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	based on IEC 61076-2-010 Ed. 2 - draft

SACC-FP-FPF-M12/M16 THR PW PPI - Housing screw connection



1454491

<https://www.phoenixcontact.com/us/products/1454491>

Mounting

Mounting type	Front mounting (M16 x 1)
---------------	--------------------------

SACC-FP-FPF-M12/M16 THR PW PPI - Housing screw connection



1454491

<https://www.phoenixcontact.com/us/products/1454491>

Classifications

ECLASS

ECLASS-13.0	27440224
ECLASS-15.0	27440224

ETIM

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

SACC-FP-FPF-M12/M16 THR PW PPI - Housing screw connection



1454491

<https://www.phoenixcontact.com/us/products/1454491>

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