SACC-FP-F-M12-THR PP - Housing screw connection

1027678

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Housing screw connection, Socket, M12-Push-pull external locking, THR and wave soldering, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

Your advantages

- Manufacturer-independent M12 push-pull locking system for maximum availability
- Easy and quick cabling of devices and systems in hard-to-reach areas
- Easy device integration, thanks to mechanical port screw connections with threaded fastening
- Flexible PCB assembly: two-piece connectors for wave and THR soldering
- Compatible with connectors with screw or push-in connection

Commercial data

Item number	1027678
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB23
Product key	ABQAAI
GTIN	4055626533933
Weight per piece (including packing)	9.2 g
Weight per piece (excluding packing)	8.816 g
Customs tariff number	79070000
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:	If necessary, order locking nut separately

Product properties

Product type	Circular connector housing
Thread type	M12

Connection data

Connection method	THR and wave soldering
Tightening torque	1.5 ... 2 Nm

Material specifications

Material	Brass, nickel-plated
Flammability rating according to UL 94	V0
Seal material	FKM
Material of grip body	Brass, nickel-plated
Material for screw connection	Brass, nickel-plated

Connector

Connection 1

Head design	Socket
Head thread type	M12
Head locking type	Push-pull external locking

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)
	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

Mounting

Mounting type	Front mounting (M14 x 1)

Classifications

ECLASS

ECLASS-13.0	27440224
ECLASS-15.0	27440224

ETIM

ETIM 10.0	EC003556

UNSPSC

UNSPSC 21.0	39121400

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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