

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



1027679

<https://www.phoenixcontact.com/us/products/1027679>

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Housing screw connection, Pin, 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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1027679 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB23 |
| Product key | ABQAAB |
| GTIN | 4055626533940 |
| Weight per piece (including packing) | 9.185 g |
| Weight per piece (excluding packing) | 7.899 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. |
|--------------------|--|

Product properties

| | |
|--------------|----------------------------|
| Product type | Circular connector housing |
| Thread type | M12 |

Connection data

| | |
|-------------------|------------------------|
| Connection method | THR and wave soldering |
| Tightening torque | 2 ... 3 Nm |

Material specifications

| | |
|--|----------------------|
| Material | Brass, nickel-plated |
| Flammability rating according to UL 94 | V0 |
| Seal material | EPDM |
| Material for screw connection | Brass, nickel-plated |

Connector

Connection 1

| | |
|-------------------|----------------------------|
| Head design | Pin |
| 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

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| | |
|--------------------------|--------------------------|
| Standard designation | M12 circular connector |
| Standards/specifications | based on IEC 61076-2-010 |
| Note | Push-pull |

Mounting

| | |
|---------------|----------------|
| Mounting type | Front 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

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| 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% |
|-------------------------------------|----------------------------|

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