

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



1107999

<https://www.phoenixcontact.com/us/products/1107999>

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Housing screw connection, Pin, M12-Push-pull external locking, SMD reflow



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 | 1107999 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB23 |
| Product key | ABQBAB |
| GTIN | 4063151011475 |
| Weight per piece (including packing) | 8.77 g |
| Weight per piece (excluding packing) | 7.7 g |
| Customs tariff number | 79070000 |
| Country of origin | DE |

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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 | SMD reflow |
|-------------------|------------|

Material specifications

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

Connector

Connection 1

| | |
|-------------------|----------------------------|
| Head design | Pin |
| Head thread type | M12 |
| Head locking type | Push-pull external locking |

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 |
| Note | Push-pull |

Mounting

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

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440224 |
| ECLASS-15.0 | 27440224 |

ETIM

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

UNSPSC

| | |
|-------------|----------|
| 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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