

SACC-BP-F-M12/THR-1,0/1,8-9TIP - Housing screw connection



1419630

<https://www.phoenixcontact.com/us/products/1419630>

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M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.0 mm ... 1.8 mm thick front plates.

Your advantages

- Tolerance-compensating function between PCB and housing
- Prevents force being applied to soldering spots
- Easy integration thanks to tool-free mounting
- Optional port sealing without protective cap

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1419630 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | AB23 |
| Product key | ABQADG |
| GTIN | 4055626189482 |
| Weight per piece (including packing) | 9.41 g |
| Weight per piece (excluding packing) | 9.025 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 pollution, the connector must be sealed using a protective cap > IP54. The M12 housing screw connection can only be used in conjunction with mating connectors and protective caps with M12 standard thread. Mating connectors with SPEEDCON thread cannot be used. |
|--------------------|---|

Product properties

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

Connection data

| | |
|-------------------|-----------------------|
| Connection method | THR solder connection |
|-------------------|-----------------------|

Material specifications

| | |
|--|-------------------------|
| Material Housing | GD-Zn (Threaded sleeve) |
| Material Housing surface | Ni |
| Material Seal | FKM (Molded seal) |
| Flammability rating according to UL 94 | V0 |

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) |

Standards and regulations

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

Mounting

| | |
|---------------|---------------------|
| Mounting type | Rear mounting |
| Assembly note | 2-section, lockable |

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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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