

SACC-BP-F-M12/M16-6-SMD PPI - Housing screw connection



1454492

<https://www.phoenixcontact.com/us/products/1454492>

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Housing screw connection, Socket, M12-Push-pull internal locking, SMD reflow



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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1454492 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB23 |
| Product key | ABQBFF |
| GTIN | 4063151844202 |
| Weight per piece (including packing) | 13.605 g |
| Weight per piece (excluding packing) | 12.225 g |
| Customs tariff number | 74198090 |
| 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: | Lock nut is included in the scope of delivery |

Product properties

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

Connection data

| | |
|-------------------|--------------|
| Connection method | SMD reflow |
| Tightening torque | 1.5 ... 2 Nm |

Material specifications

| | |
|-------------------------------|------------------------------------|
| Material | Brass, nickel-plated (Locking nut) |
| Seal material | FKM FKM |
| Material for screw connection | Brass, nickel-plated |

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 (when plugged in) | IP65/IP67 (correctly plugged in and locked) |
| Degree of protection | IP65/IP67 (correctly plugged in and locked) IP67, when in locked state IP65, 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) |

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Standards and regulations

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

Mounting

| | |
|---------------|---|
| Mounting type | Rear mounting (M16 x 1) |
| Assembly note | Spacing between the top edge of the PCB and the back of the front plate: 6 mm |

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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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com