

SACC-BP-F-M12/M16-7-THR-PPI - Housing screw connection



1233780  
<https://www.phoenixcontact.com/us/products/1233780>

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Housing screw connection, Socket, M12-Push-pull internal locking, Rear mounting, THR solder connection, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

Your advantages

- 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                          | 1233780       |
| Packing unit                         | 20 pc         |
| Minimum order quantity               | 20 pc         |
| Sales key                            | AB23          |
| Product key                          | ABQABF        |
| GTIN                                 | 4063151335892 |
| Weight per piece (including packing) | 15.4 g        |
| Weight per piece (excluding packing) | 15 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 | Panel mounting base |
| Thread type  | M12                 |

### Connection data

|                   |                       |
|-------------------|-----------------------|
| Connection method | THR solder connection |
| Tightening torque | 1.5 ... 2 Nm          |

### Material specifications

|                                        |                      |
|----------------------------------------|----------------------|
| Material                               | Brass, nickel-plated |
| Material                               | Brass, nickel-plated |
| Flammability rating according to UL 94 | V0                   |
| 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) | IP67 (correctly plugged in and locked) |
| Degree of protection                   | IP67 (correctly plugged in and locked) |
|                                        | IP67, when in locked state             |
|                                        | IP65, when in locked state             |
| Ambient temperature (operation)        | -25 °C ... 85 °C (Plug / socket)       |

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|  |                                                 |
|--|-------------------------------------------------|
|  | -40 °C ... 85 °C (without mechanical actuation) |
|--|-------------------------------------------------|

Standards and regulations

|                          |                 |
|--------------------------|-----------------|
| M12                      |                 |
| Standard designation     | M12 connector   |
| Standards/specifications | IEC 61076-2-010 |
| Note                     | In line with    |

Mounting

|               |                                                                                             |
|---------------|---------------------------------------------------------------------------------------------|
| Mounting type | Rear mounting Spacing between the top edge of the PCB and the back of the front plate: 7 mm |
| Assembly note | Spacing between the top edge of the PCB and the back of the front plate: 7 mm               |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440224 |
| ECLASS-12.0 | 27440224 |
| ECLASS-13.0 | 27440224 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | 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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## Accessories

### SACC-M16-NUT - Flat nut

1312511

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Flat nut, M16



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