

1454496  
<https://www.phoenixcontact.com/gb/products/1454496>

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

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                          | 1454496       |
| Packing unit                         | 20 pc         |
| Minimum order quantity               | 20 pc         |
| Sales key                            | ABQCCA        |
| Product key                          | ABQBAD        |
| GTIN                                 | 4063151843786 |
| Weight per piece (including packing) | 8.59 g        |
| Weight per piece (excluding packing) | 7.07 g        |
| Customs tariff number                | 74198090      |
| Country of origin                    | DE            |

# SACC-FP-M-M12/PRESS SMD PP - Housing screw connection



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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. |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Product properties

|              |                     |
|--------------|---------------------|
| Product type | Panel mounting base |
| Thread type  | M12                 |

### Connection data

|                   |     |
|-------------------|-----|
| Connection method | SMD |
|-------------------|-----|

### Material specifications

|                               |                      |
|-------------------------------|----------------------|
| 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) | 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)        | -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 |

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## Mounting

|               |                                  |
|---------------|----------------------------------|
| Mounting type | Front mounting Press-in mounting |
| Assembly note | Press-in mounting                |

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC003556 |
|----------|----------|

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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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