

1417788  
<https://www.phoenixcontact.com/us/products/1417788>

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Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for THR solderable M12 socket contact inserts.

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1417788       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AB23          |
| Product key                          | ABQADG        |
| GTIN                                 | 4055626134468 |
| Weight per piece (including packing) | 2.1 g         |
| Weight per piece (excluding packing) | 1.327 g       |
| Customs tariff number                | 39269097      |
| Country of origin                    | DE            |

# SACC-BP-F-FIX/NUT-VT-THR - Fixing sleeve



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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 | Circular connector housing |
| Thread type  | M12                        |

### Connection data

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

### Material specifications

|                                        |                        |
|----------------------------------------|------------------------|
| Color                                  | violet (Fixing sleeve) |
| Material                               | PA 6.6 (Fixing sleeve) |
| Flammability rating according to UL 94 | V0                     |
| Seal material                          | FKM                    |

### Connector

#### Connection 1

|                  |        |
|------------------|--------|
| Head design      | Socket |
| Head thread type | M12    |

### 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)<br>IP67, when in locked state                |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C (Plug / socket)<br>-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 | 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 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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