

# TU-00000004100 - Housing for circular connector



1605881

<https://www.phoenixcontact.com/us/products/1605881>

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Housing for circular connector, series: TU, straight, Bayonet locking, M23, number of positions: 12, contact connection type: Socket, Crimp connection, Flat gasket, shielded: yes, panel thickness max.: 2.5 mm. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1605881                        |
| Packing unit                         | 20 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB31                           |
| Product key                          | ABRAHS                         |
| GTIN                                 | 4046356255431                  |
| Weight per piece (including packing) | 50.93 g                        |
| Weight per piece (excluding packing) | 44.43 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Technical data

### Notes

|                    |                                  |
|--------------------|----------------------------------|
| Order information: | Order contact inserts separately |
|--------------------|----------------------------------|

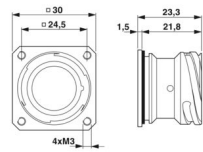
### Product properties

|                    |                            |
|--------------------|----------------------------|
| Product type       | Circular connector housing |
| Series             | TU                         |
| Application        | Signal                     |
| Connection profile | 12                         |
| Shielded           | yes                        |
| Thread type        | M23                        |

### Connection data

|                   |                  |
|-------------------|------------------|
| Connection method | Crimp connection |
|-------------------|------------------|

### Dimensions

|                          |  |
|--------------------------|--|
| Dimensional drawing      |  |
| Length of the solder pin | 16.5 mm  |
|                          | 2.5 mm   |
|                          | 3.5 mm   |
|                          | 9 mm   |
|                          | 16.5 mm  |
|                          | 2.5 mm   |
|                          | 3.5 mm   |
|                          | 9 mm   |
| Panel thickness          | < 2.5 mm   |

### Material specifications

|                            |                    |
|----------------------------|--------------------|
| Material Housing           | GD-Zn              |
| Material Housing surface   | Ni                 |
| Material Rotating parts    | CuZn               |
| Seal material              | FPM or NBR or EPDM |
| Gasket and O-ring material | FPM                |

### Connector

|      |          |
|------|----------|
| Type | straight |
|------|----------|

### Environmental and real-life conditions

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## Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP67             |
| Ambient temperature (operation) | -40 °C ... 90 °C |
| Altitude                        | 2000 m           |

## Mounting

|               |                                     |
|---------------|-------------------------------------|
| Mounting type | Rear mounting/square flange (4x M3) |
|---------------|-------------------------------------|

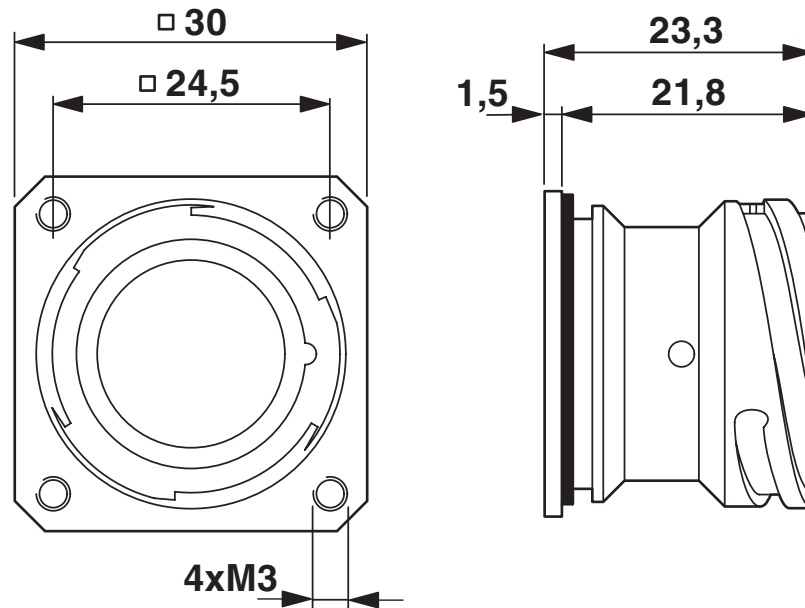
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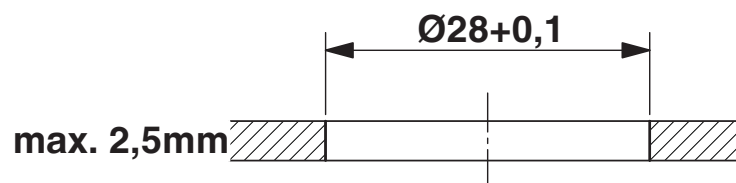
## Drawings

Dimensional drawing



Dimensional drawing

Dimensional drawing



Installation dimensions

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440224 |
| ECLASS-15.0 | 27440224 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003556 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31261500 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 8ce4a16a-1c46-4015-badc-de6bb6ad3e5d |

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