

# TU-06P1N124100 - Device connector rear mounting



1605895

<https://www.phoenixcontact.com/us/products/1605895>

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M23, Device connector rear mounting, application: Signal, series: TU, straight, shielded: yes, Bayonet locking, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Pin, Solder cup, Flat gasket, Panel thickness max.: 2.5 mm, coding: N

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1605895                        |
| Packing unit                         | 20 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAHR                         |
| GTIN                                 | 4046356255523                  |
| Weight per piece (including packing) | 72.46 g                        |
| Weight per piece (excluding packing) | 72.46 g                        |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|              |                                 |
|--------------|---------------------------------|
| Product type | Circular connector (cable-side) |
|--------------|---------------------------------|

### Connector

#### Insulating body

|   |  |
|---|--|
| Coding  | N  |
| Material (Insulating body)                      | PBT                                      |
| Material (Contact)                              | CuZn                                     |
| Material (Contact surface)                      | Ni/Au                                    |
| Insertion/withdrawal cycles                     | 50                                       |
| Connection method                               | Solder cup                               |
| Contact switching type                          | Pin                                      |
| Application                                     | Signal                                   |
| Number of positions                             | 6  |
| Direction of rotation                           | Standard                                 |
| Connection profile                              | 6  |
| Number (Contact group 1)                        | 6  |
| Litz wires Min. cross section (Contact group 1) | 0.08 mm <sup>2</sup>                     |
| Litz wires Max. cross section (Contact group 1) | 2.5 mm <sup>2</sup>                      |
| Rated current Contact (Contact group 1)         | 20 A (for max. connection cross section) |
| Rated voltage Contact (Contact group 1)         | 48 V AC<br>74 V DC                       |
| Rated surge voltage                             | 1.5 kV                                   |
| Overvoltage category                            | III                                      |
| Degree of pollution                             | 3  |

#### Housing

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Order information:                | Order contact inserts separately    |
| Type                              | Flange housing                      |
| Thread type                       | M23                                 |
| Design                            | straight                            |
| Type of locking                   | Bayonet locking                     |
| Pg screw connection               | none                                |
| Mounting type                     | Rear mounting/square flange (4x M3) |
| Material (Housing)                | GD-Zn                               |
| Material (Housing surface)        | Ni                                  |
| Material (Rotating parts)         | CuZn                                |
| Degree of protection (plugged in) | IP67                                |
| Seal for the device               | Flat gasket                         |

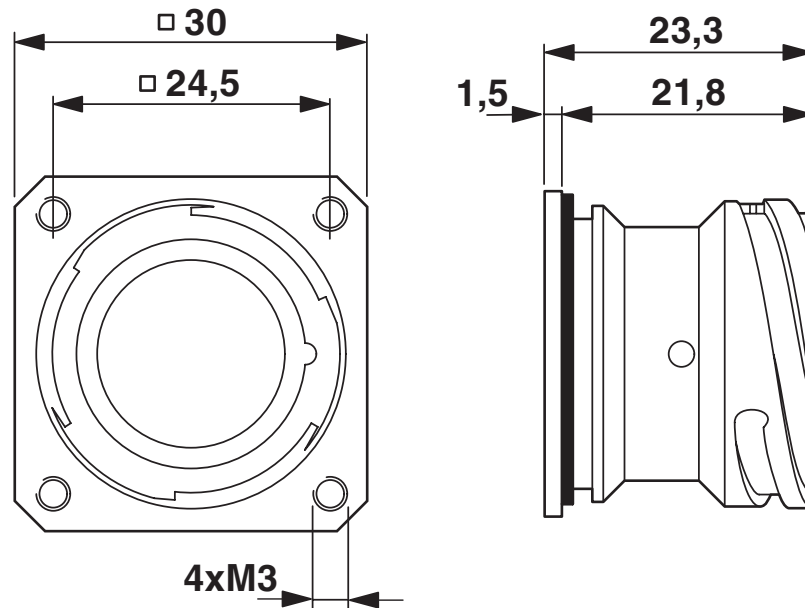
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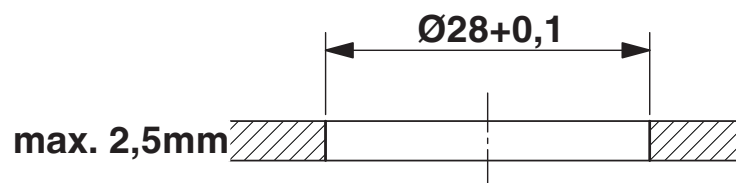
## Drawings

Dimensional drawing



Dimensional drawing

Dimensional drawing



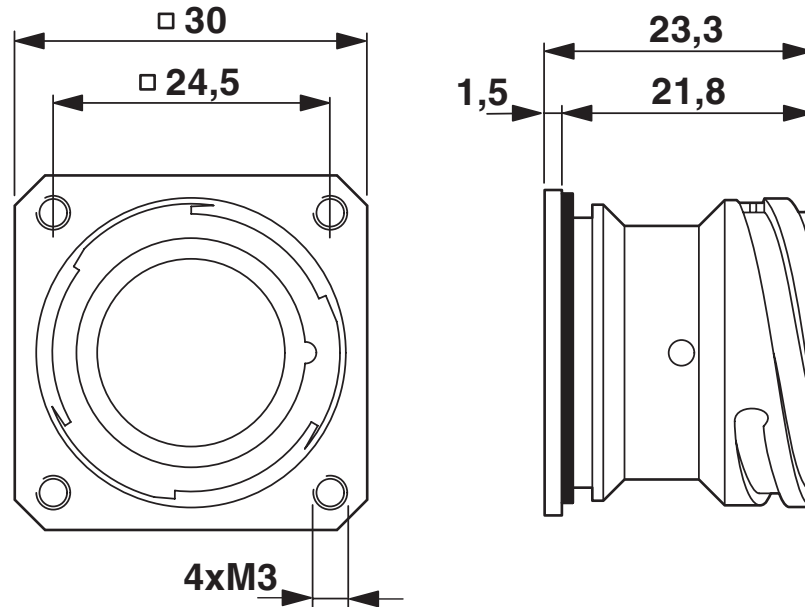
Installation dimensions

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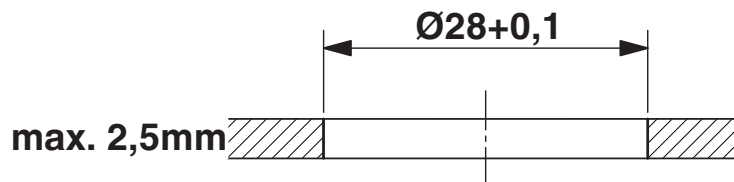
<https://www.phoenixcontact.com/us/products/1605895>

Dimensional drawing



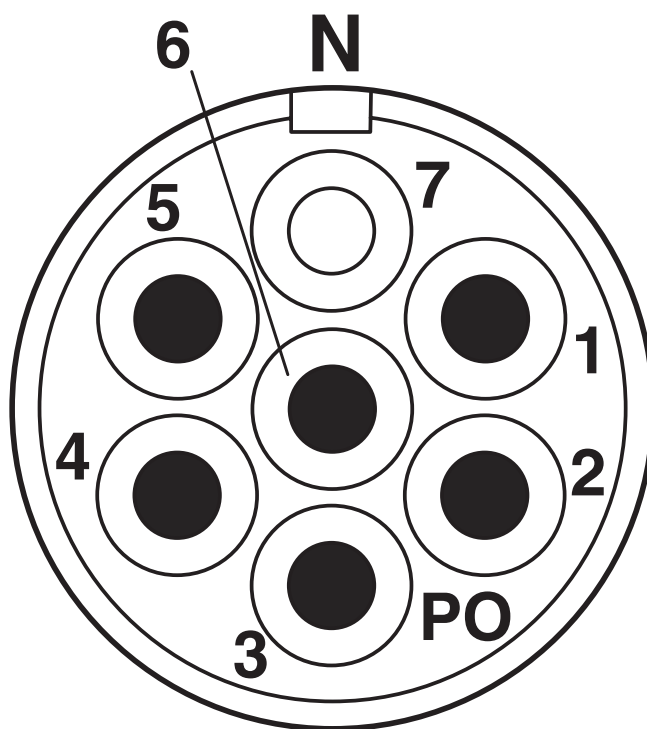
Dimensional drawing

Dimensional drawing



Installation dimensions

Schematic diagram



Connector pin assignment

Schematic diagram



Dimensional drawing

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## Environmental product compliance

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-50<br>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.) | 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](mailto:info@phoenixcon.com)