

# TU-12P1N8AWB00 - Device connector front mounting



1605956

<https://www.phoenixcontact.com/us/products/1605956>

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M23, Device connector front mounting, application: Signal, series: TU, straight, shielded: yes, Bayonet locking, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, Axial O-ring, Panel thickness min.: 1.5 mm, coding: N. 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                          | 1605956                        |
| Packing unit                         | 20 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAHL                         |
| GTIN                                 | 4046356256131                  |
| Weight per piece (including packing) | 41.73 g                        |
| Weight per piece (excluding packing) | 37.4 g                         |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|              |                                   |
|--------------|-----------------------------------|
| Product type | Circular connectors (device side) |
|--------------|-----------------------------------|

### Connector

#### Insulating body

|   |   |
|---|---|
| Note                                    | Order information: Order crimp contacts Ø 1 mm separately |
| Coding                                  | N   |
| Material (Insulating body)              | PA 6.6  |
| Connection method                       | Crimp connection  |
| Contact switching type                  | Pin   |
| Application                             | Signal  |
| Number of positions                     | 12  |
| Direction of rotation                   | Standard  |
| Connection profile                      | 12  |
| Number (Contact group 1)                | 12  |
| Contact diameter (Contact group 1)      | 1 mm  |
| Rated current Contact (Contact group 1) | 8 A (for max. connection cross section)                   |
| Rated voltage Contact (Contact group 1) | 48 V AC   |
|   | 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                     | Front mounting/square flange (4x Ø 3.2 mm) |
| Material (Housing)                | GD-Zn                                      |
| Material (Rotating parts)         | CuZn                                       |
| Material (Housing surface)        | Ni   |
| Material (Seal)                   | FPM (O-ring)                               |
| Degree of protection (plugged in) | IP67                                       |
| Seal for the device               | Axial O-ring                               |

### Environmental and real-life conditions

#### Ambient conditions

|  |               |
|--|---------------|
| Permissible humidity (storage/transport) | 50 % ... 65 % |
|--|---------------|

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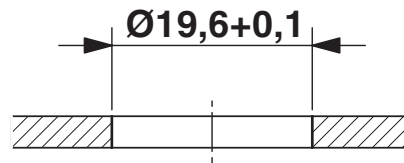
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## Drawings

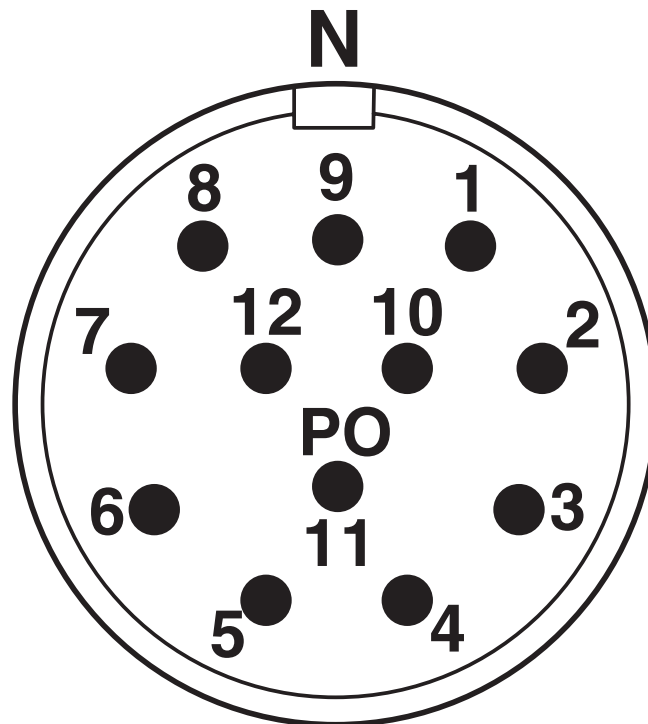
Dimensional drawing

**4xØ3,2/M3/□19,8±0,1**



## Installation dimensions

Schematic diagram



## Connector pin assignment

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440109 |
| ECLASS-15.0 | 27440109 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003569 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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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                                | f689ca5d-d44d-47ea-916d-dc6236b8f6eb |

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