

# TU-17P1N12TUDU - Cable connector



1613275

<https://www.phoenixcontact.com/us/products/1613275>

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M23, Cable connector, series: TU, angled, shielded: yes, Bayonet locking, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Pin, Solder cup, cable diameter range: 2 mm ... 14.5 mm, coding: N

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1613275                        |
| Packing unit                         | 8 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAHC                         |
| GTIN                                 | 4046356399135                  |
| Weight per piece (including packing) | 190.78 g                       |
| Weight per piece (excluding packing) | 172.32 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                                    | 17                                      |
| Direction of rotation                                  | Standard                                |
| Connection profile                                     | 17                                      |
| Number Contact (Contact group 1)                       | 17                                      |
| Diameter Contact (Contact group 1)                     | 1 mm                                    |
| Litz wire cross-section min. Contact (Contact group 1) | 0.08 mm <sup>2</sup>                    |
| Litz wire cross-section max. Contact (Contact group 1) | 1 mm <sup>2</sup>                       |
| 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

|                                   |                         |
|-----------------------------------|-------------------------|
| Type                              | Cable connector housing |
| Thread type                       | M23                     |
| Design                            | angled                  |
| Type of locking                   | Bayonet locking         |
| Pg screw connection               | none                    |
| Material (Housing)                | GD-Zn                   |
| Material (Rotating parts)         | CuZn                    |
| Material (Housing surface)        | Ni                      |
| Material (Seal)                   | FPM (O-ring)            |
| Degree of protection (plugged in) | IP67                    |

#### Seal

|                         |                  |
|-------------------------|------------------|
| External cable diameter | 2 mm ... 14.5 mm |
| Seal material           | NBR              |

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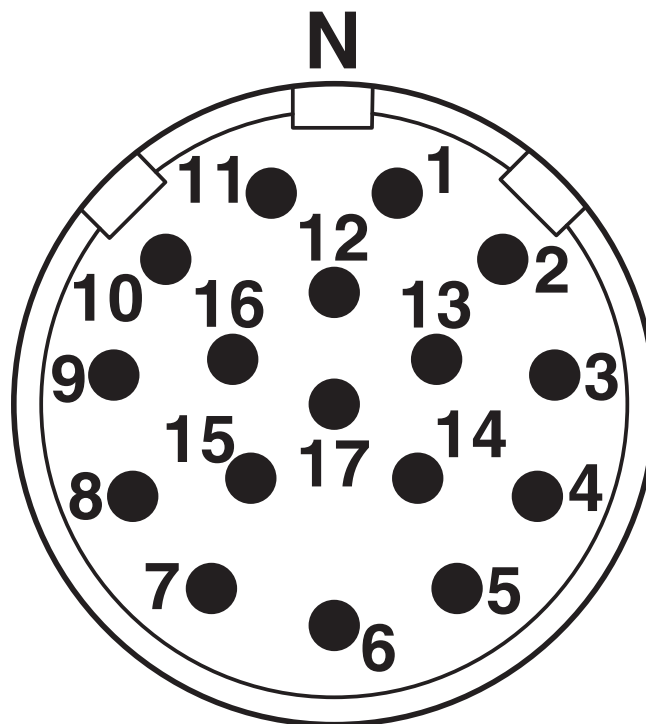
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## Drawings

Schematic diagram



Connector pin assignment

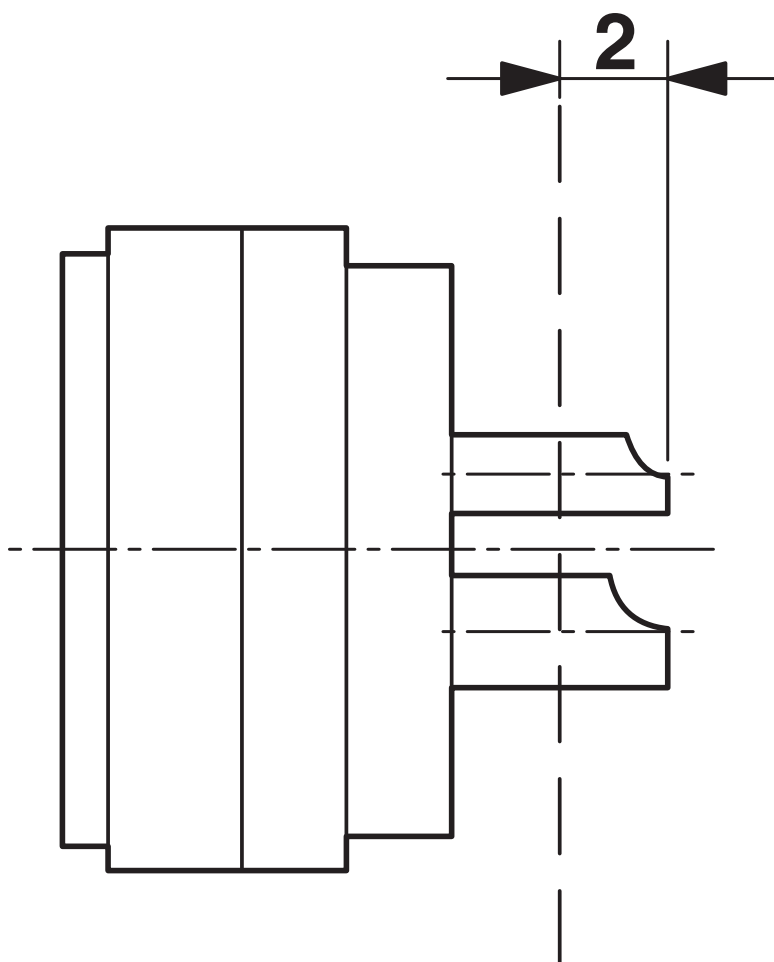
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Schematic diagram



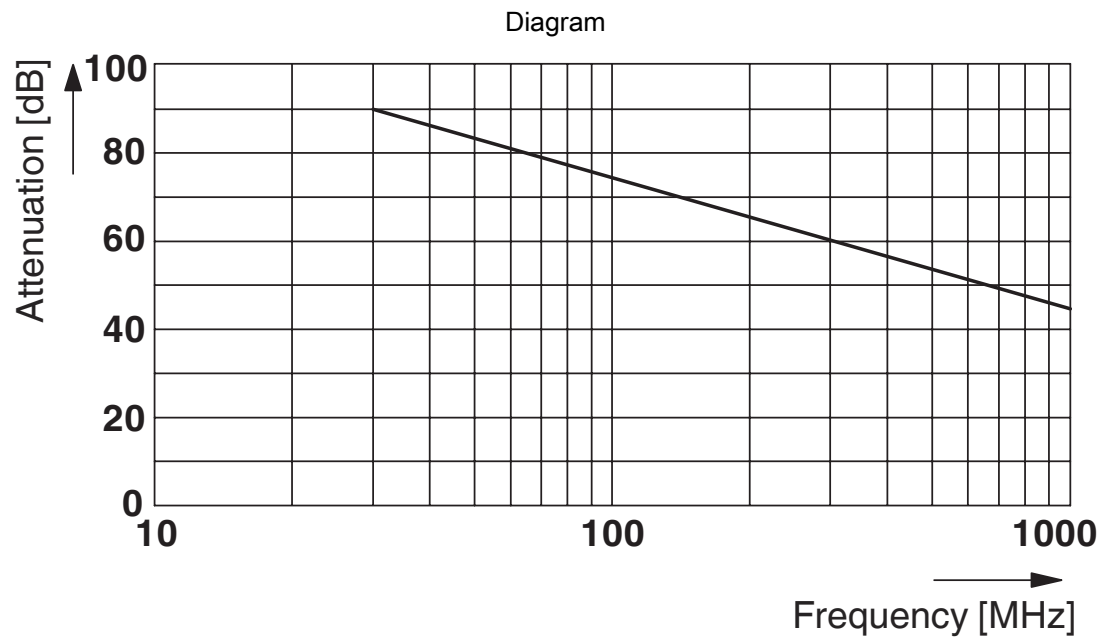
Dimensional drawing

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440116 |
|-------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC002635 |
|----------|----------|

### 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                                | 4cdacdd8-005a-4806-839b-8ee6eda6df3d |

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