

1606142

<https://www.phoenixcontact.com/us/products/1606142>

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M23, Rear panel feed-through, application: Signal, series: UC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, Axial O-ring, cable diameter range: 7 mm ... 8.5 mm, coding: N

The figure shows the 12-pos.  
product version

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1606142                        |
| Packing unit                         | 10 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAIJ                         |
| GTIN                                 | 4046356257572                  |
| Weight per piece (including packing) | 119.43 g                       |
| Weight per piece (excluding packing) | 109.37 g                       |
| Country of origin                    | DE                             |

# UC-06S1N8AQ0AA - Rear panel feed-through



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## Technical data

### Product properties

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

### Connector

#### Insulating body

|                                         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| Note                                    | Order information: Order crimp contacts Ø 2 mm separately |
| Coding                                  | N                                                         |
| Material (Insulating body)              | PA 6.6                                                    |
| Connection method                       | Crimp connection                                          |
| Contact switching type                  | Socket                                                    |
| Application                             | Signal                                                    |
| Number of positions                     | 6                                                         |
| Direction of rotation                   | Standard                                                  |
| Connection profile                      | 6                                                         |
| Number (Contact group 1)                | 6                                                         |
| Contact diameter (Contact group 1)      | 2 mm                                                      |
| Rated current Contact (Contact group 1) | 20 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                              | Feed-through header     |
| Thread type                       | M23                     |
| Design                            | straight                |
| Type of locking                   | Screw locking mechanism |
| Pg screw connection               | none                    |
| Mounting type                     | Rear mounting           |
| Assembly note                     | Central fastening       |
| Material (Housing)                | GD-Zn                   |
| Material (Rotating parts)         | CuZn                    |
| Material (Housing surface)        | Ni                      |
| Material (Seal)                   | FPM (O-ring)            |
| Seal material                     | FPM or NBR or EPDM      |
| Degree of protection (plugged in) | IP67                    |
| Seal for the device               | Axial O-ring            |

#### Seal

|                         |                 |
|-------------------------|-----------------|
| External cable diameter | 7 mm ... 8.5 mm |
| Seal material           | FPM             |

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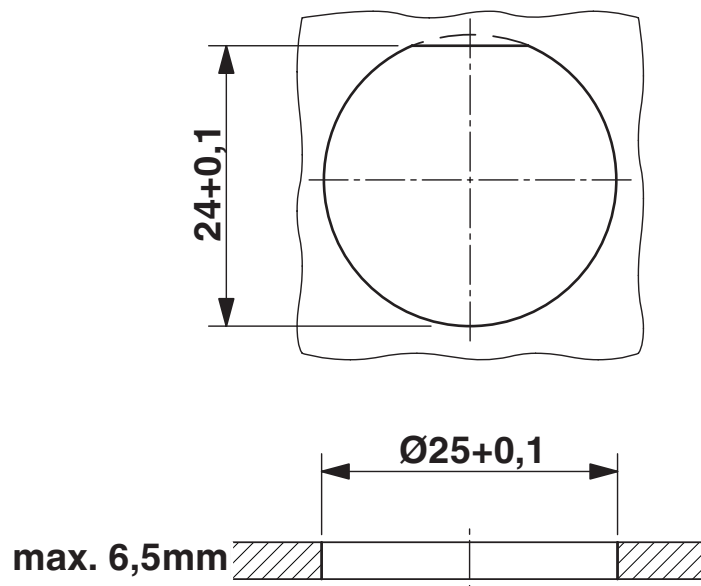
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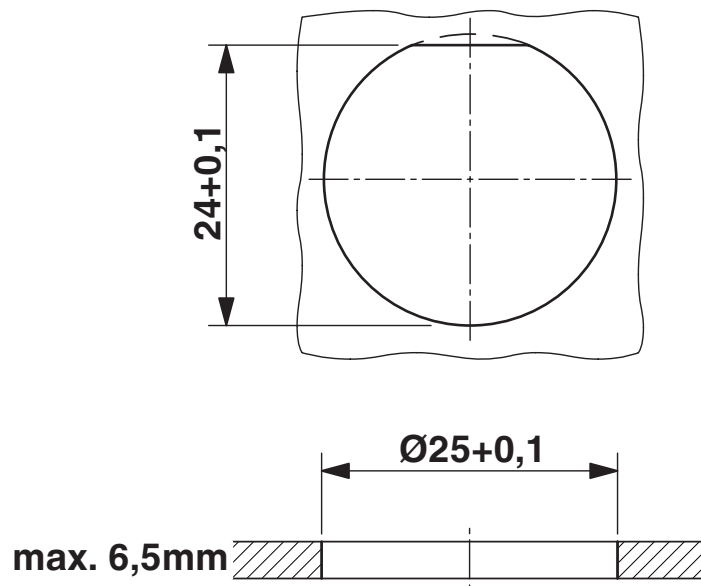
## Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing



Installation dimensions

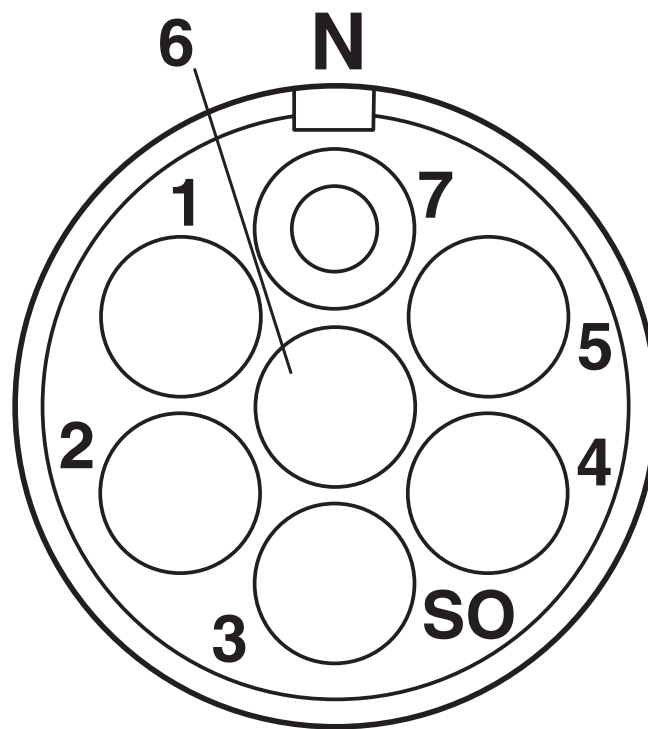
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Schematic diagram



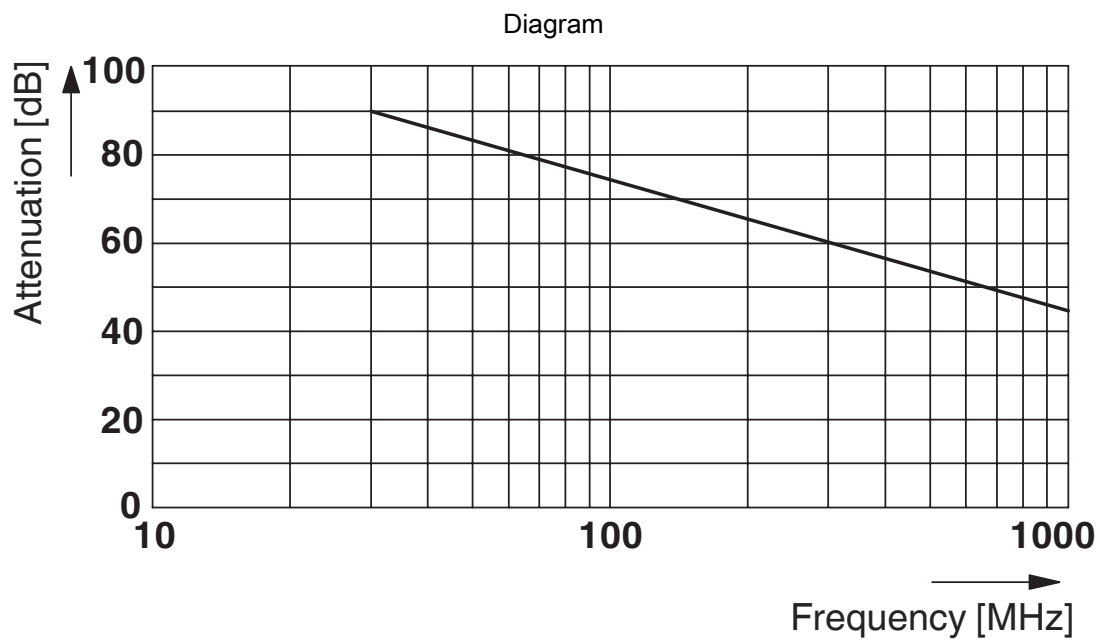
Connector pin assignment

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121409 |
|-------------|----------|

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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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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