# RC-12P2N122300 - Device connector front mounting

1597897

https://www.phoenixcontact.com/us/products/1597897

**PHŒNIX CONTACT**

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M23, Device connector front mounting, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Pin, Solder cup, Flat gasket, 4x Ø 3.2, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240890

## Commercial data

| | |
|---|---|
| Item number | 1597897 |
| Packing unit | 40 pc |
| Minimum order quantity | 40 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAFL |
| GTIN | 4046356218337 |
| Weight per piece (including packing) | 33.06 g |
| Weight per piece (excluding packing) | 33.06 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

# RC-12P2N122300 - Device connector front mounting

## Technical data

### Product properties

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

### Connector

#### Insulating body

| | |
|---|---|
| Coding | N |
| Insertion/withdrawal cycles | 50 |
| Connection method | Solder cup |
| Contact switching type | Pin |
| Application | Signal |
| Number of positions | 12 |
| Direction of rotation | Counter direction |
| Connection profile | 12 |
| Contact diameter Power contacts | 1 mm |
| Litz wire cross-section Power contacts min. | 0.08 mm² |
| Litz wire cross-section Power contacts max. | 1 mm² |
| Rated current Power contacts | 8 A |
| Rated voltage | 48 V AC |
| | 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |

#### Housing

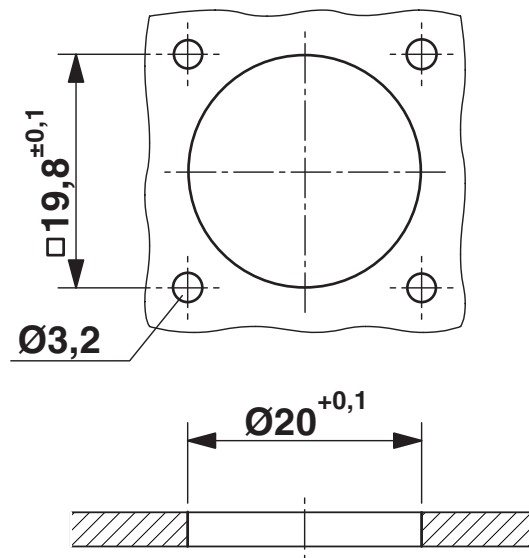| | |
|---|---|
| Housing material | Metal |
| Type of locking | Screw locking mechanism |
| Pg screw connection | none |
| Degree of protection (plugged in) | IP67 |
| Thread type | M23 |

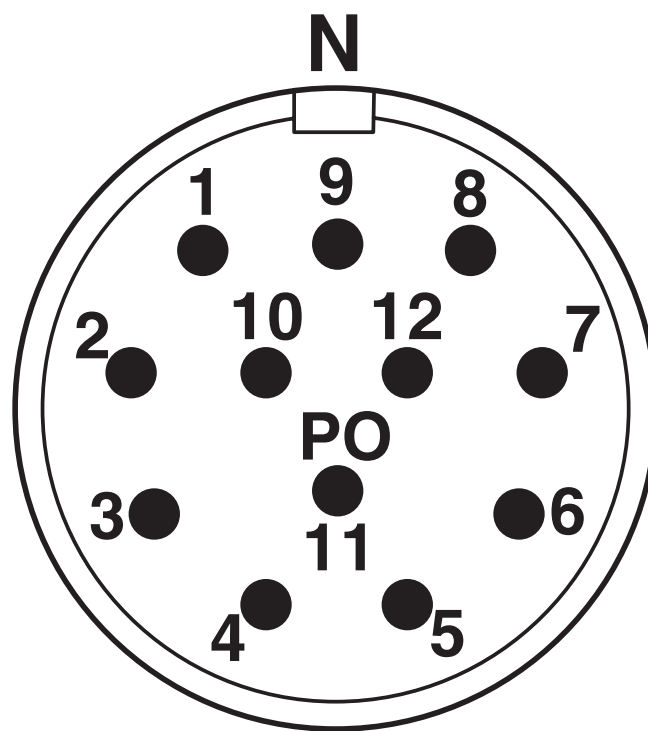# RC-12P2N122300 - Device connector front mounting

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## Drawings

Dimensional drawing

$\square 19,8^{\pm0,1}$

Ø3,2

$\varnothing 20^{+0,1}$

Installation dimensions

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Schematic diagram

N

1    9    8

10   12

2           7

PO

3         6

11

4    5

Connector pin assignment

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## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

### ETIM

| | |
|---|---|
| ETIM 9.0 | EC002635 |

### UNSPSC

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

## 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 | e05e41e2-7648-4c7a-a33f-399055ee22df |