

# RC-12P2N8D0000 - Contact insert

1598292

<https://www.phoenixcontact.com/us/products/1598292>



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Contact insert, M23, number of positions: 12, contact connection type: Pin, Crimp connection, series: NC, RC, RM, TU, UC, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240937

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1598292                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB31                           |
| Product key                          | ABRAFU                         |
| GTIN                                 | 4046356220071                  |
| Weight per piece (including packing) | 9.45 g                         |
| Weight per piece (excluding packing) | 9.45 g                         |
| Customs tariff number                | 85389099                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                     |                |
|---------------------|----------------|
| Product type        | Contact insert |
| Series              | NC             |
|                     | RC             |
|                     | RM             |
|                     | TU             |
|                     | UC             |
| Application         | Signal         |
| Number of positions | 12             |
| Connection profile  | 12             |
| Coding              | N              |
| Thread type         | M23            |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 05 |
|------------------|----|

### Electrical properties

#### Contact

|                                |                      |
|--------------------------------|----------------------|
| Contact diameter               | 1 mm                 |
| Min. cross section             | 0.14 mm <sup>2</sup> |
| Max. cross section             | 0.56 mm <sup>2</sup> |
| Max. current                   | 8 A                  |
| Nominal voltage U <sub>N</sub> | 48 V AC 74 V DC      |
| Overvoltage category           | III                  |
| Degree of pollution            | 3                    |
| Rated surge voltage            | 1.5 kV               |

### Connection data

|                   |                  |
|-------------------|------------------|
| Connection method | Crimp connection |
|-------------------|------------------|

### Material specifications

|                    |                             |
|--------------------|-----------------------------|
| Insulator material | PA66                        |
| Contact material   | CuZn                        |
| Contact surface    | Nickel-plated, gold coating |

### Connector

|                       |                   |
|-----------------------|-------------------|
| Direction of rotation | Counter direction |
|-----------------------|-------------------|

### Mechanical properties

#### Mechanical data

|                             |    |
|-----------------------------|----|
| Insertion/withdrawal cycles | 50 |
|-----------------------------|----|

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## Environmental and real-life conditions

### Ambient conditions

|                                          |                 |
|------------------------------------------|-----------------|
| Ambient temperature (storage/transport)  | 15 °C ... 25 °C |
| Permissible humidity (storage/transport) | 50 % ... 65 %   |

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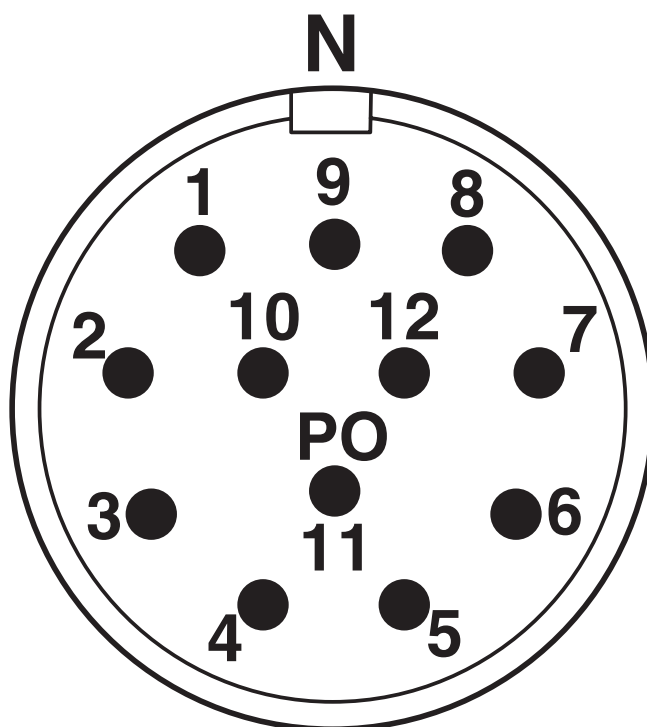
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## Drawings

Schematic diagram



Connector pin assignment

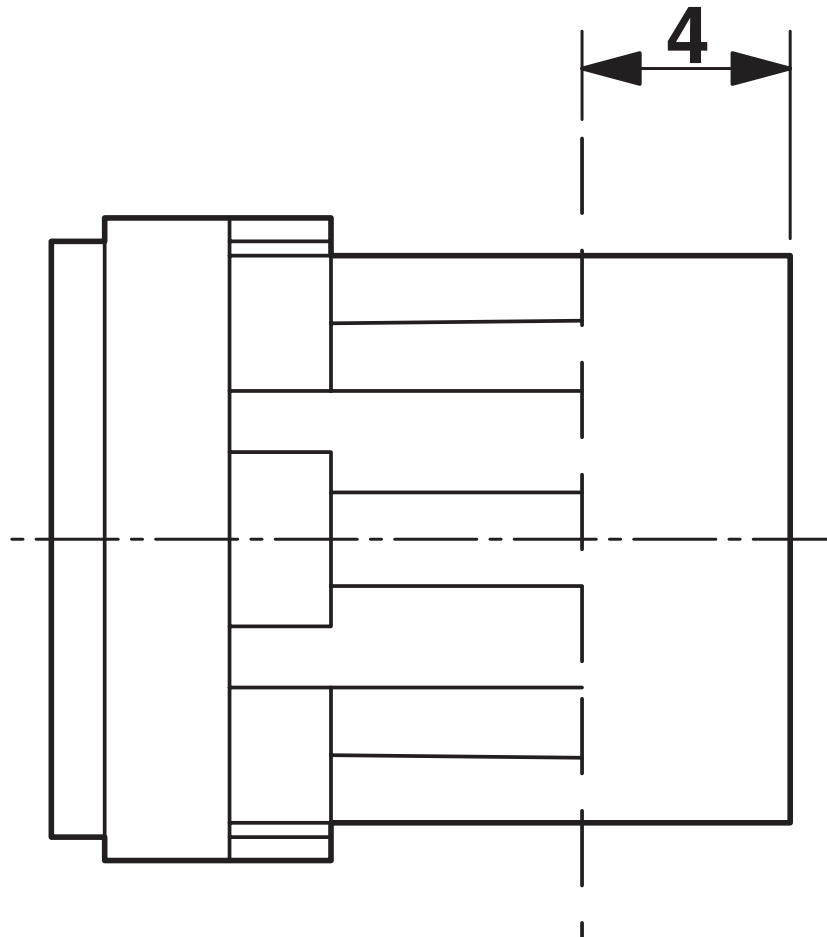
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Schematic diagram



Dimensional drawing

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440223 |
| ECLASS-12.0 | 27440223 |
| ECLASS-13.0 | 27440223 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC003557 |
|----------|----------|

### 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                                    | 55ef2fd0-103d-47cb-a254-1688c6175198                                                                                                                                                                                              |

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