

# RC-12P1N8A0000 - Contact insert



1597464

<https://www.phoenixcontact.com/us/products/1597464>

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Contact insert, M23, number of positions: 12, contact connection type: Pin, Crimp connection, series: NC, RC, RM, TU, UC

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1597464       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB31          |
| Product key                          | ABRAFT        |
| GTIN                                 | 4046356216173 |
| Weight per piece (including packing) | 1.66 g        |
| Weight per piece (excluding packing) | 1.43 g        |
| Customs tariff number                | 85389099      |
| Country of origin                    | DE            |

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## Technical data

### Notes

|                    |  |
|--------------------|--|
| Order information: | Order crimp contacts Ø 1 mm separately |
|--------------------|--|

### 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            |

### Electrical properties

Contact: Contact group 1

|                       |   |
|-----------------------|---|
| Contact diameter      | 1 mm                                    |
| Nominal current $I_N$ | 8 A (for max. connection cross section) |
| Nominal voltage $U_N$ | 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

|                          |        |
|--------------------------|--------|
| Material Insulating body | PA 6.6 |
|--------------------------|--------|

### Connector

|                       |          |
|-----------------------|----------|
| Direction of rotation | Standard |
|-----------------------|----------|

### Environmental and real-life conditions

Ambient conditions

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

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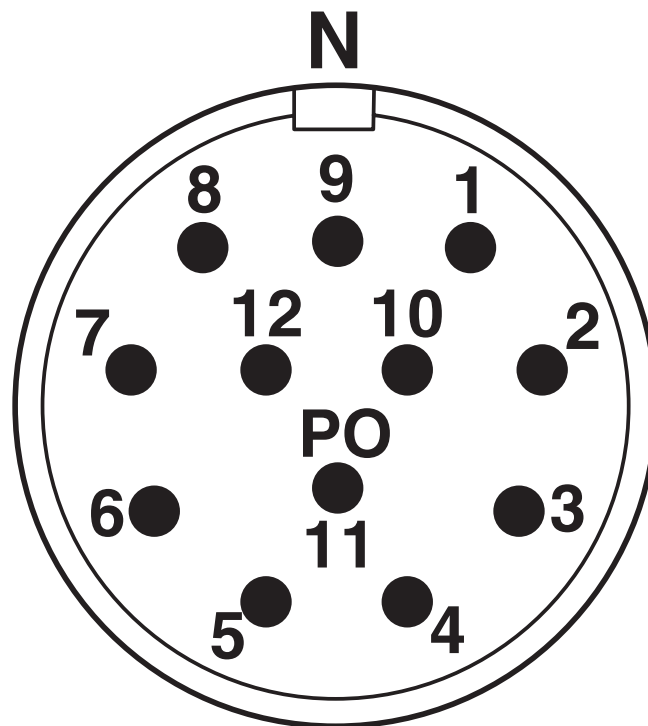


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## Drawings

Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440223 |
| ECLASS-15.0 | 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, No exemptions |
|---|--------------------|

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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