

# RC-17P1N8A0000 - Contact insert



1601451

<https://www.phoenixcontact.com/us/products/1601451>

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Contact insert, M23, number of positions: 17, contact connection type: Pin, Crimp connection, series: NC, RC, RM, TU, UC

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1601451       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB31          |
| Product key                          | ABRAFT        |
| GTIN                                 | 4046356234818 |
| Weight per piece (including packing) | 1.556 g       |
| Weight per piece (excluding packing) | 1.556 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 | 17             |
| Connection profile  | 17             |
| Coding              | N              |
| Thread type         | M23            |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 03 |
|------------------|----|

### Electrical properties

#### Contact

|                       |                 |
|-----------------------|-----------------|
| Contact diameter      | 1 mm            |
| Max. current          | 8 A             |
| 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

|                    |      |
|--------------------|------|
| Insulator material | PA66 |
|--------------------|------|

### Connector

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

### 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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## Mounting

|             |    |
|-------------|----|
| Thread type | () |
|-------------|----|

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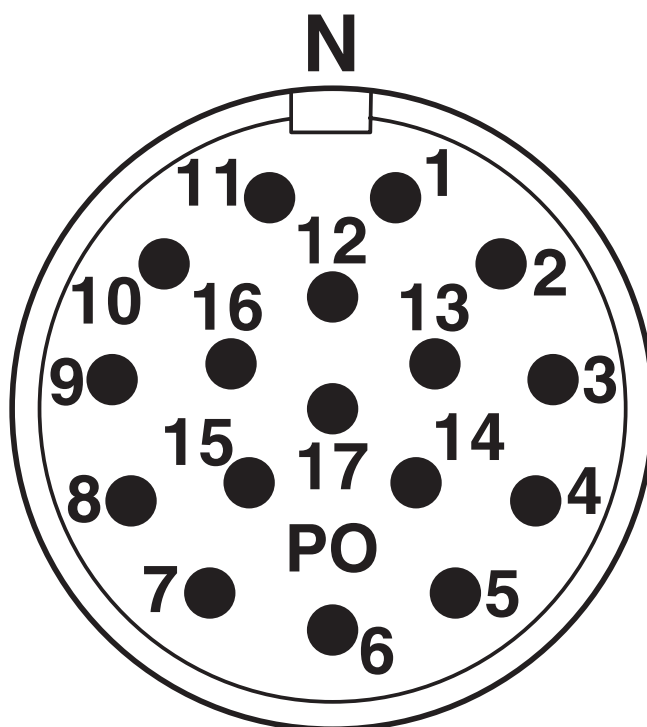


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## Drawings

Schematic diagram



Connector pin assignment

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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, 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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