

# RC-63P1NC20000 - Contact insert



1603651

<https://www.phoenixcontact.com/us/products/1603651>

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Contact insert, M23, number of positions: 6+3, contact connection type: Pin, Solder pins, series: RC, TU, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241655

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1603651       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AB31          |
| Product key                          | ABRAFU        |
| GTIN                                 | 4046356246453 |
| Weight per piece (including packing) | 14.44 g       |
| Weight per piece (excluding packing) | 12.04 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                     |                |
|---------------------|----------------|
| Product type        | Contact insert |
| Series              | RC             |
|                     | TU             |
| Application         | Signal         |
| Number of positions | 9              |
| Connection profile  | 6+3            |
| Coding              | N              |
| Thread type         | M23            |

### Electrical properties

#### Contact

|                       |                 |
|-----------------------|-----------------|
| Contact diameter      | 2 mm            |
| Max. current          | 20 A            |
| Nominal voltage $U_N$ | 48 V AC 74 V DC |
| Overvoltage category  | III             |
| Degree of pollution   | 3               |
| Rated surge voltage   | 1.5 kV          |

#### Contact

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

### Connection data

|                   |             |
|-------------------|-------------|
| Connection method | Solder pins |
|-------------------|-------------|

### Material specifications

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

### Connector

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

### Mechanical properties

#### Mechanical data

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

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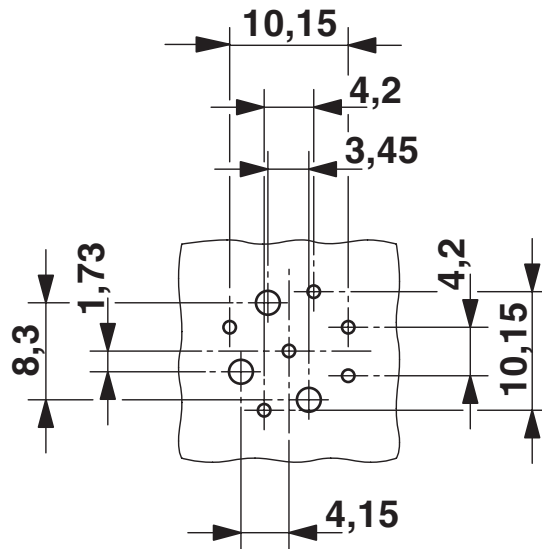
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## Drawings

Drilling plan/solder pad geometry



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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                                | 858a8298-aab0-49d1-b505-57d671842951 |

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