

# RC-09P1NS20000 - Contact insert



1595533

<https://www.phoenixcontact.com/us/products/1595533>

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Contact insert, M23, number of positions: 8+1, contact connection type: Pin, Screw connection, series: NC, RC, RM, TU, UC

The figure shows the 6-pos. product version

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1595533                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | NULL                           |
| Product key                          | ABRAFU                         |
| GTIN                                 | 4046356207294                  |
| Weight per piece (including packing) | 17.804 g                       |
| Weight per piece (excluding packing) | 17.804 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 | 9              |
| Connection profile  | 8+1            |
| Coding              | N              |
| Thread type         | M23            |

### Electrical properties

#### Contact: Contact group 1

|                                |                      |
|--------------------------------|----------------------|
| Contact diameter               | 2 mm                 |
| Min. cross section             | 0.08 mm <sup>2</sup> |
| Max. cross section             | 1 mm <sup>2</sup>    |
| Nominal current I <sub>N</sub> | 20 A                 |
| Nominal voltage U <sub>N</sub> | 48 V AC              |
|                                | 74 V DC              |
| Overvoltage category           | II                   |
| Degree of pollution            | 3                    |
| Rated surge voltage            | 2.5 kV               |

#### Contact: Contact group 2

|                                |                      |
|--------------------------------|----------------------|
| Contact diameter               | 1 mm                 |
| Min. cross section             | 0.08 mm <sup>2</sup> |
| Max. cross section             | 0.75 mm <sup>2</sup> |
| Nominal current I <sub>N</sub> | 8 A                  |
| Nominal voltage U <sub>N</sub> | 48 V AC              |
|                                | 74 V DC              |

### Connection data

|                   |                  |
|-------------------|------------------|
| Connection method | Screw connection |
|-------------------|------------------|

### Material specifications

|                          |       |
|--------------------------|-------|
| Material Insulating body | PBT   |
| Material Contact         | Cu/Zn |
| Material Contact surface | Ni/Au |

### Connector

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

## Mechanical properties

### Mechanical data

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

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## Drawings

Schematic diagram



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Schematic diagram



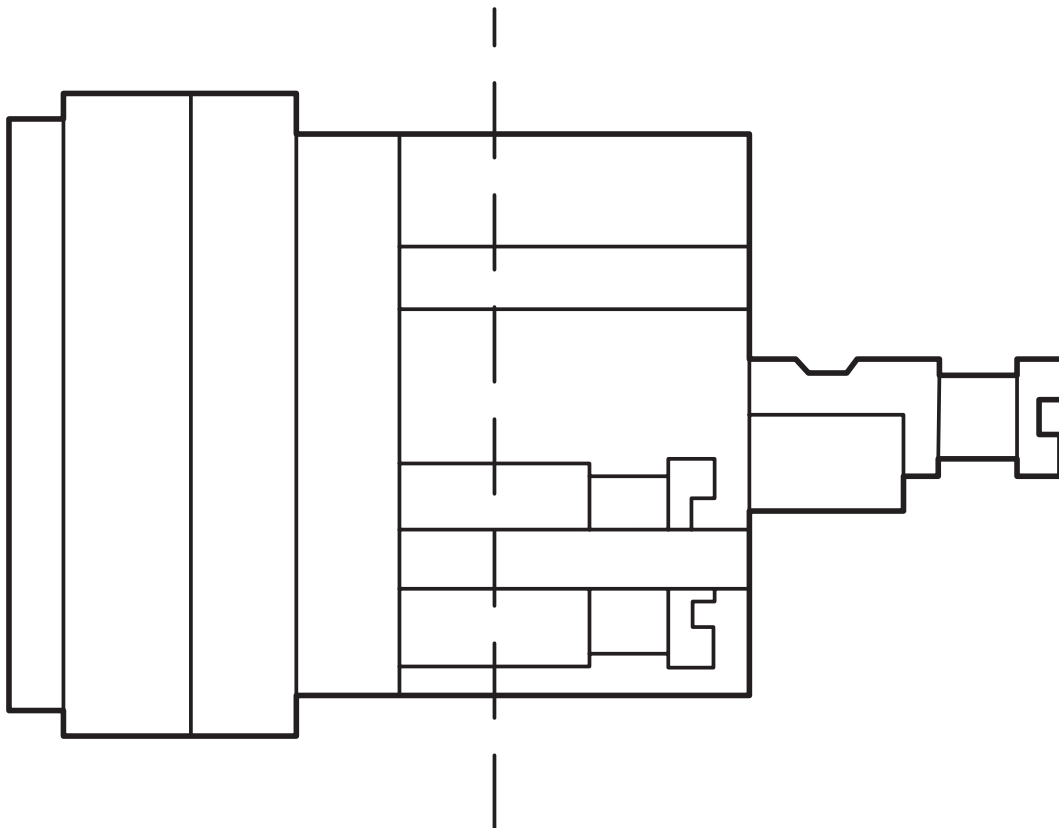
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Schematic diagram



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## Environmental product compliance

EU REACH SVHC

| REACH candidate substance (CAS No.) |  |
|-------------------------------------|--|
|-------------------------------------|--|

|  |                            |
|--|----------------------------|
|  | No substance above 0.1 wt% |
|--|----------------------------|

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