

RC-06P1NA20000 - Contact insert

1593531

<https://www.phoenixcontact.com/us/products/1593531>



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Contact insert, M23, number of positions: 6, contact connection type: Pin, Solder-in connection, series: RC, TU, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1593531 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB31 |
| Product key | ABRAFU |
| GTIN | 4046356196703 |
| Weight per piece (including packing) | 14.2 g |
| Weight per piece (excluding packing) | 8.26 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 | 6 |
| Connection profile | 6 |
| Coding | N |
| Thread type | M23 |

Electrical properties

Contact: Contact group 1

| | |
|-----------------------|------------------------------------------|
| Contact diameter | 2 mm |
| Nominal current I_N | 20 A (for max. connection cross section) |
| Nominal voltage U_N | 48 V AC |
| | 74 V DC |
| Overshoot category | III |
| Degree of pollution | 3 |
| Rated surge voltage | 1.5 kV |

Connection data

| | |
|-------------------|----------------------|
| Connection method | Solder-in connection |
|-------------------|----------------------|

Material specifications

| | |
|--------------------------|-------|
| Material Insulating body | PBT |
| Material Contact | CuZn |
| Material Contact surface | Ni/Au |

Connector

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

Mechanical properties

| | |
|-----------------------------|----|
| Mechanical data | |
| Insertion/withdrawal cycles | 50 |

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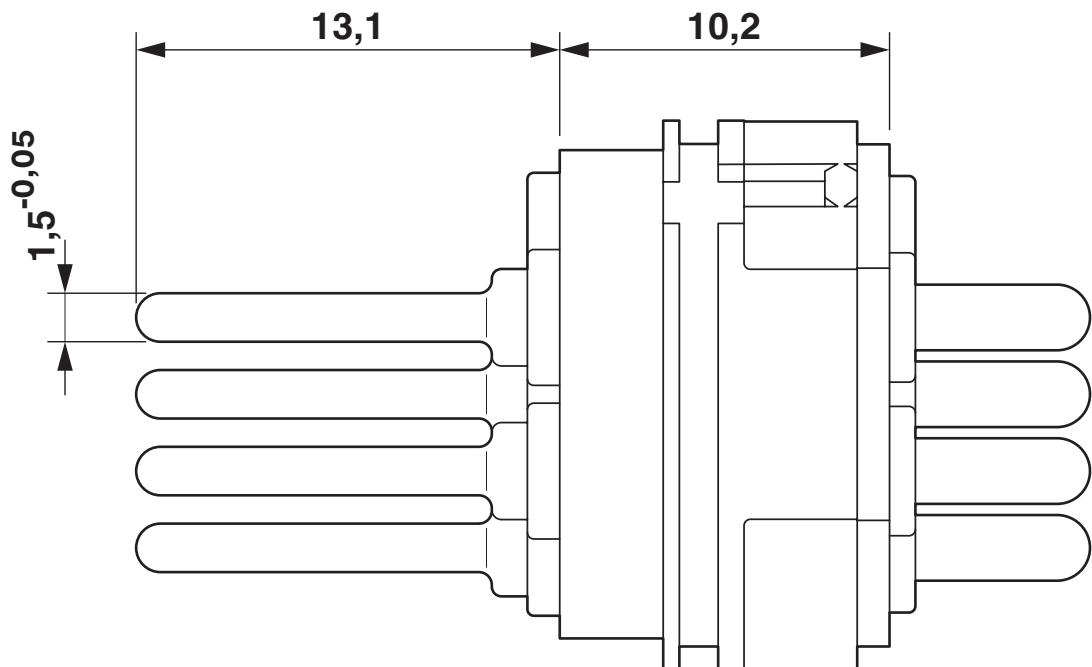
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Drawings

Dimensional drawing



Dimensional drawing

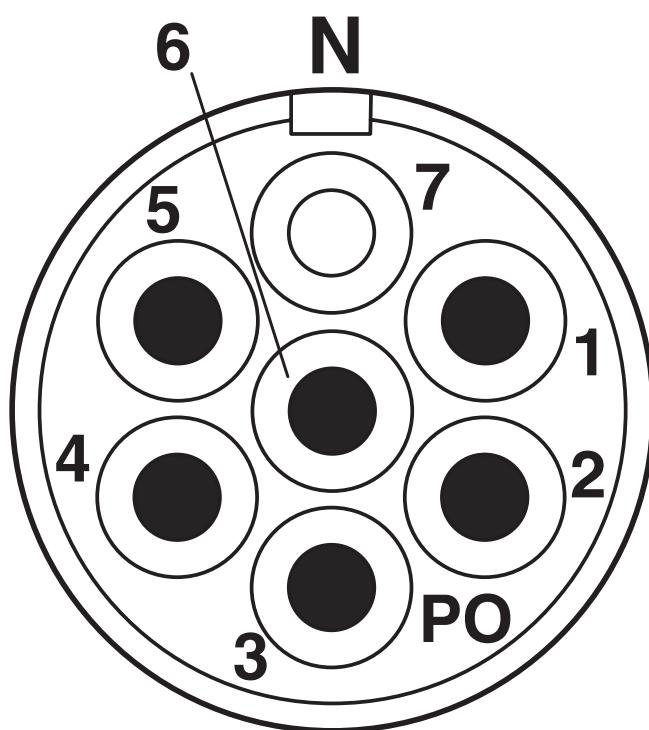
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Schematic diagram



Connector pin assignment

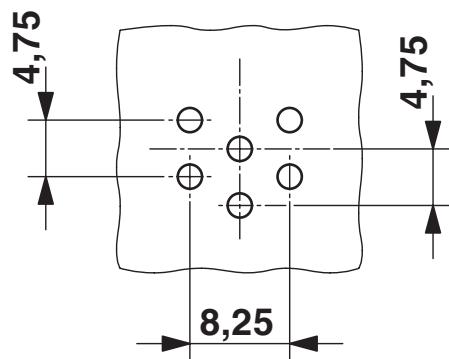
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Drilling plan/solder pad geometry



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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440223 |
| ECLASS-15.0 | 27440223 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC003557 |
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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 | 72f299c7-d468-4870-b29d-6316cc6b3451 |

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