

RC-09S1NA20000 - Contact insert



1596421

<https://www.phoenixcontact.com/us/products/1596421>

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The figure shows the 6-pos.
product version

Contact insert, M23, number of positions: 8+1, contact connection type: Socket, Solder-in connection, series: RC, TU, this item is expected to be lead-free from Q1 2027 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 | 1596421 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAFU |
| GTIN | 4046356211246 |
| Weight per piece (including packing) | 11.2 g |
| Weight per piece (excluding packing) | 5.567 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 | 8+1 |
| 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 |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Rated surge voltage | 1.5 kV |

Contact: Contact group 2

| | |
|-----------------------|--------------------|
| Contact diameter | 1 mm |
| Nominal current I_N | 8 A |
| Nominal voltage U_N | 48 V AC 74 V DC |

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 |
|-----------------------------|----|

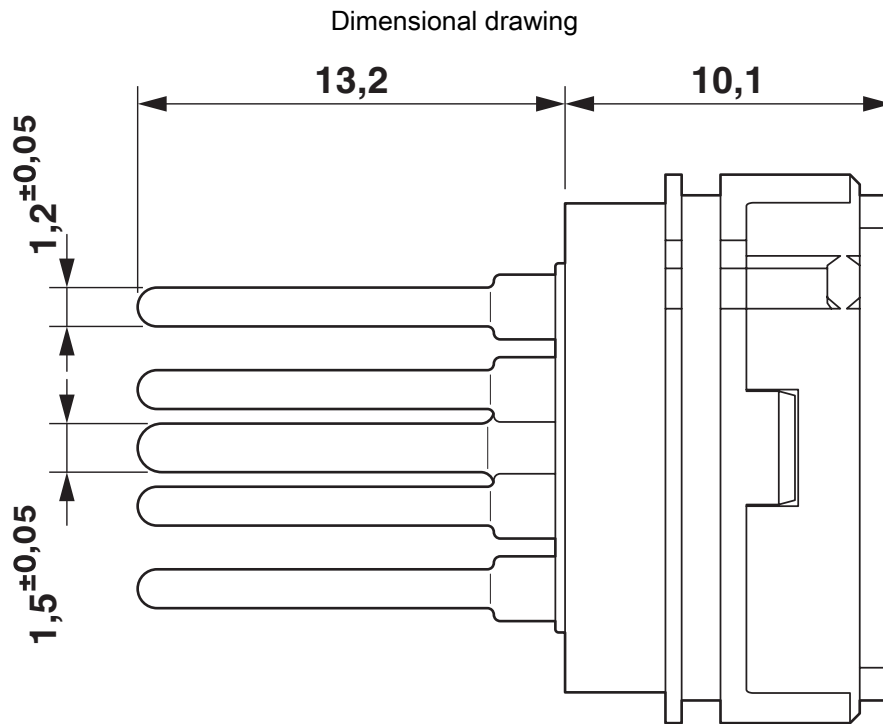
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Drawings



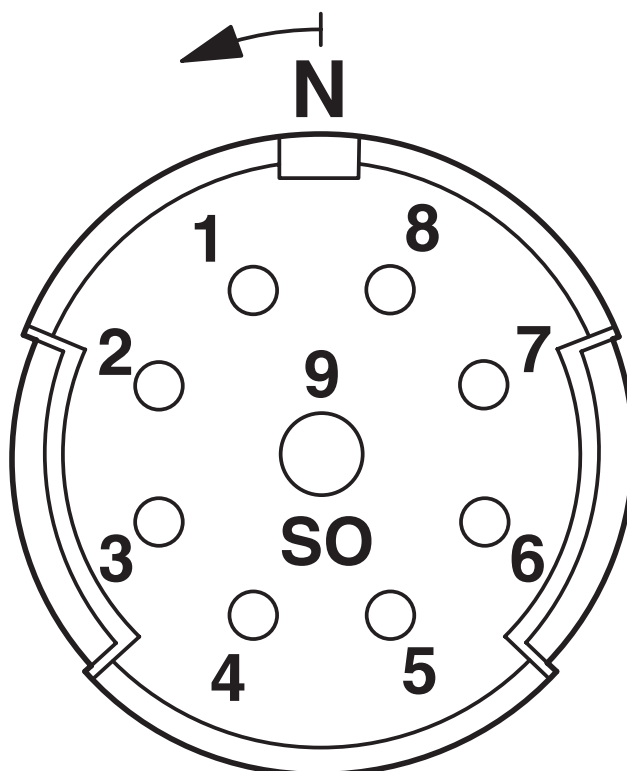
Dimensional drawing

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Schematic diagram



Connector pin assignment

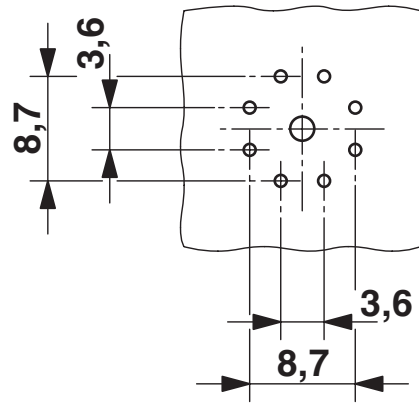
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Drilling plan/solder pad geometry



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Classifications

ECLASS

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

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | 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 | 41285149-a5e2-47b1-8b65-fbf38b4ee547 |

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