

RC-12P1N8D0000 - Contact insert



1597635

<https://www.phoenixcontact.com/us/products/1597635>

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Contact insert, M23, number of positions: 12, contact connection type: Pin, Crimp connection, series: NC, RC, RM, TU, UC, 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

The figure shows the 6-pos.
product version

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1597635 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB31 |
| Product key | ABRAFU |
| GTIN | 4046356217217 |
| Weight per piece (including packing) | 10 g |
| Weight per piece (excluding packing) | 3.278 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 | 12 |
| Connection profile | 12 |
| No. of control contacts | 12 |
| Coding | N |
| Thread type | M23 |

Electrical properties

Contact: Contact group 1

| | |
|--------------------------------|---|
| Contact diameter | 1 mm |
| Min. cross section | 0.14 mm ² |
| Max. cross section | 0.56 mm ² |
| Nominal current I _N | 8 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 |

Connection data

| | |
|-------------------|------------------|
| Connection method | Crimp connection |
|-------------------|------------------|

Material specifications

| | |
|--------------------------|--------|
| Material Insulating body | PA 6.6 |
| 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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Environmental and real-life conditions

Ambient conditions

| |
|--|
| Permissible humidity (storage/transport) |
|--|

| |
|---------------|
| 50 % ... 65 % |
|---------------|

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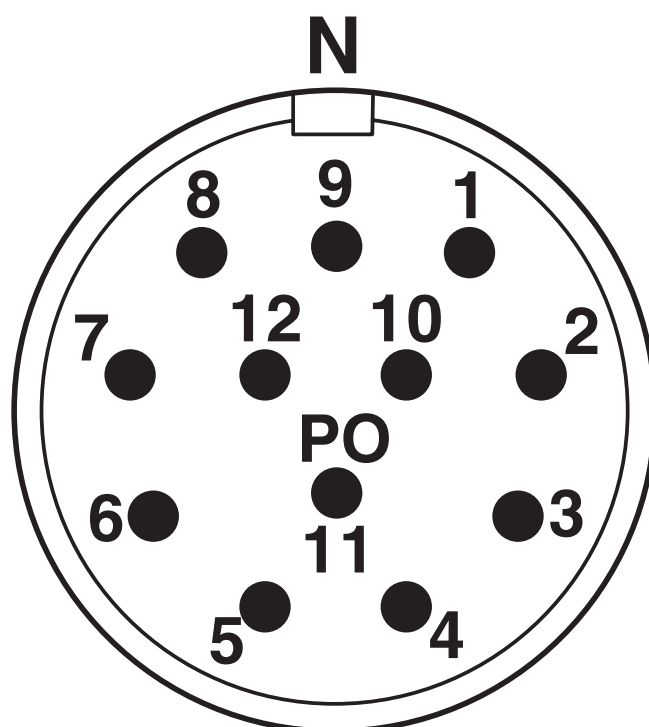
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Drawings

Schematic diagram



Connector pin assignment

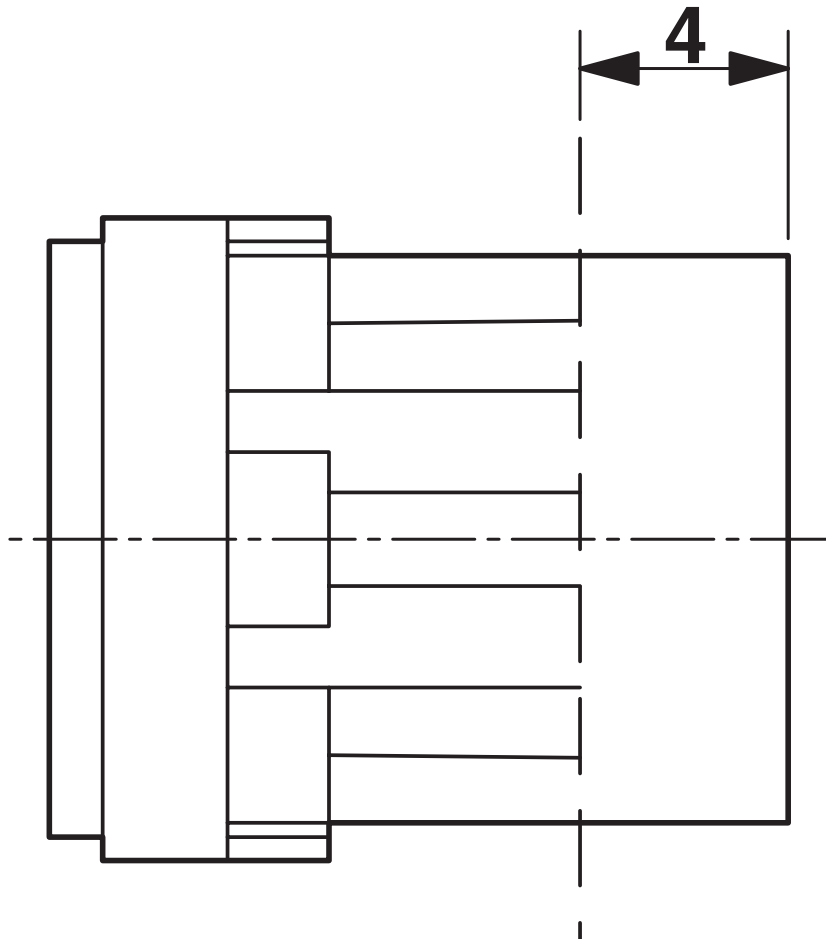
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1597635

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Schematic diagram



Dimensional drawing

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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 | e4d2d8bb-54a7-439a-b22f-2e3e3f484415 |

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