

RC-06S1N120000 - Contact insert



1593645

<https://www.phoenixcontact.com/us/products/1593645>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Contact insert, M23, number of positions: 6, contact connection type: Socket, Solder cup, 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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1593645 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB31 |
| Product key | ABRAFU |
| GTIN | 4046356197243 |
| Weight per piece (including packing) | 6.94 g |
| Weight per piece (excluding packing) | 4.53 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

RC-06S1N120000 - Contact insert



1593645

<https://www.phoenixcontact.com/us/products/1593645>

Technical data

Product properties

| | |
|---------------------|----------------|
| Product type | Contact insert |
| Series | NC |
| | RC |
| | RM |
| | TU |
| | UC |
| Application | Signal |
| Number of positions | 6 |
| Connection profile | 6 |
| Coding | N |
| Thread type | M23 |

Electrical properties

Contact: Contact group 1

| | |
|--------------------------------|--|
| Contact diameter | 2 mm |
| Min. cross section | 0.08 mm ² |
| Max. cross section | 2.5 mm ² |
| 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 |

Connection data

| | |
|-------------------|------------|
| Connection method | Solder cup |
|-------------------|------------|

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

RC-06S1N120000 - Contact insert



1593645

<https://www.phoenixcontact.com/us/products/1593645>

Drawings

Schematic diagram



Connector pin assignment

RC-06S1N120000 - Contact insert



1593645

<https://www.phoenixcontact.com/us/products/1593645>

Classifications

ECLASS

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

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC003557 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

RC-06S1N120000 - Contact insert



1593645

<https://www.phoenixcontact.com/us/products/1593645>

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 | ba7f2d70-81d9-47bf-9bf9-3d7114a50535 |

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com