

RC-09P1N1280K5X - Cable connector



1240577

<https://www.phoenixcontact.com/us/products/1240577>

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.



M23, Cable connector, application: Signal, straight, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Pin, Solder cup, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

The figure shows the 12-pos.
product version

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1240577 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Product key | ABRAFA |
| GTIN | 4063151435967 |
| Weight per piece (including packing) | 72.365 g |
| Weight per piece (excluding packing) | 67.145 g |
| Country of origin | DE |

RC-09P1N1280K5X - Cable connector



1240577

<https://www.phoenixcontact.com/us/products/1240577>

Technical data

Product properties

| | |
|--------------|---------------------------------|
| Product type | Circular connector (cable-side) |
|--------------|---------------------------------|

Connector

Insulating body

| | |
|---|--|
| Coding | N |
| Material (Insulating body) | PBT |
| Material (Contact) | CuZn |
| Material (Contact surface) | Ni/Au |
| Insertion/withdrawal cycles | 50 |
| Connection method | Solder cup |
| Contact switching type | Pin |
| Application | Signal |
| Number of positions | 9 |
| Direction of rotation | Standard |
| Connection profile | 8+1 |
| Number (Contact group 1) | 1 |
| Contact diameter (Contact group 1) | 2 mm |
| Litz wires Min. cross section (Contact group 1) | 0.08 mm ² |
| Litz wires Max. cross section (Contact group 1) | 2.5 mm ² |
| Rated current Contact (Contact group 1) | 20 A (for max. connection cross section) |
| Rated voltage Contact (Contact group 1) | 48 V AC 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Number (Contact group 2) | 8 |
| Contact diameter (Contact group 2) | 1 mm |
| Litz wires Max. cross section (Contact group 2) | 1 mm ² |
| Rated current Contact (Contact group 2) | 8 A |
| Rated voltage Contact (Contact group 2) | 48 V AC 48 V AC |

Housing

| | |
|---------------------|----------------------------------|
| Note | Order contact inserts separately |
| Type | Cable connector housing |
| Thread type | M23 |
| Design | straight |
| Type of locking | Screw locking mechanism |
| Pg screw connection | none |
| Material (Housing) | Metal |

RC-09P1N1280K5X - Cable connector



1240577

<https://www.phoenixcontact.com/us/products/1240577>

| | |
|-----------------------------------|------|
| Degree of protection (plugged in) | IP65 |
| | IP67 |
| | IP68 |

RC-09P1N1280K5X - Cable connector



1240577

<https://www.phoenixcontact.com/us/products/1240577>

Drawings

Schematic diagram



Connector pin assignment

RC-09P1N1280K5X - Cable connector

1240577

<https://www.phoenixcontact.com/us/products/1240577>

Schematic diagram



Connector pin assignment

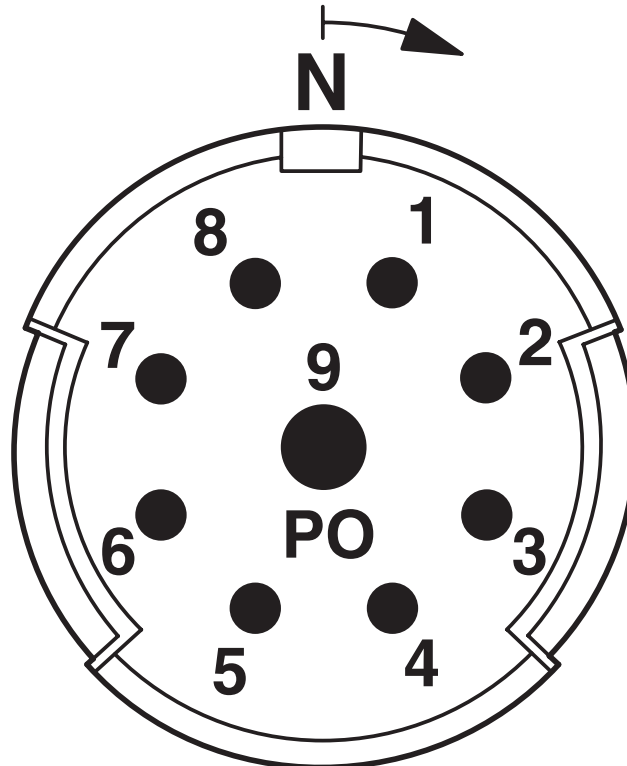
RC-09P1N1280K5X - Cable connector



1240577

<https://www.phoenixcontact.com/us/products/1240577>

Schematic diagram



Connector pin assignment

RC-09P1N1280K5X - Cable connector



1240577

<https://www.phoenixcontact.com/us/products/1240577>

Schematic diagram



Dimensional drawing

RC-09P1N1280K5X - Cable connector



1240577

<https://www.phoenixcontact.com/us/products/1240577>

Classifications

ECLASS

ECLASS-13.0

27440116

ETIM

ETIM 9.0

EC002635

RC-09P1N1280K5X - Cable connector



1240577

<https://www.phoenixcontact.com/us/products/1240577>

Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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