# RC-09P1N8A1K00 - Cable connector

1595386

https://www.phoenixcontact.com/us/products/1595386

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.

The figure shows the 12-pos. product version, with standard DIN cable gland

M23, Cable connector, application: Signal, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, coding: N

## Commercial data

| | |
|---|---|
| Item number | 1595386 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | ABRAFA |
| GTIN | 4046356206365 |
| Weight per piece (including packing) | 99.13 g |
| Weight per piece (excluding packing) | 99.13 g |
| Country of origin | DE |

# Technical data

## Notes

| | |
|---|---|
| Order information: | Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately |

## Product properties

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

## Connector

### Insulating body

| | |
|---|---|
| Note | Order information: Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately |
| Coding | N |
| Material (Insulating body) | PA 6.6 |
| Connection method | Crimp connection |
| 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 |
| 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 |
| Rated current Contact (Contact group 2) | 8 A |
| Rated voltage Contact (Contact group 2) | 48 V AC |
| | 48 V AC |

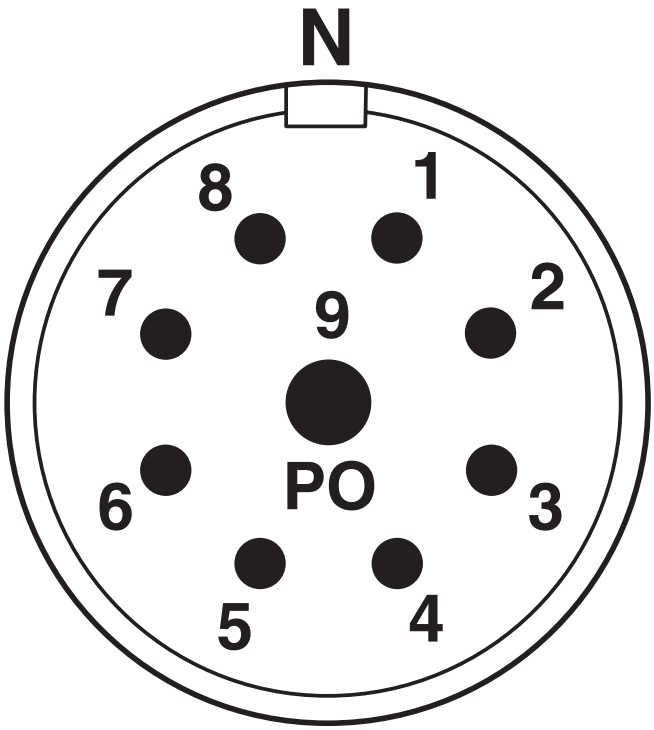
### Housing

| | |
|---|---|
| Type | Cable connector housing |
| Thread type | M23 |
| Design | straight |
| Type of locking | Screw locking mechanism |
| Pg screw connection | Pg11 |
| Material (Housing) | GD-Zn |
| Material (Housing surface) | Ni |
| Material (Rotating parts) | CuZn |
| | IP65 |

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

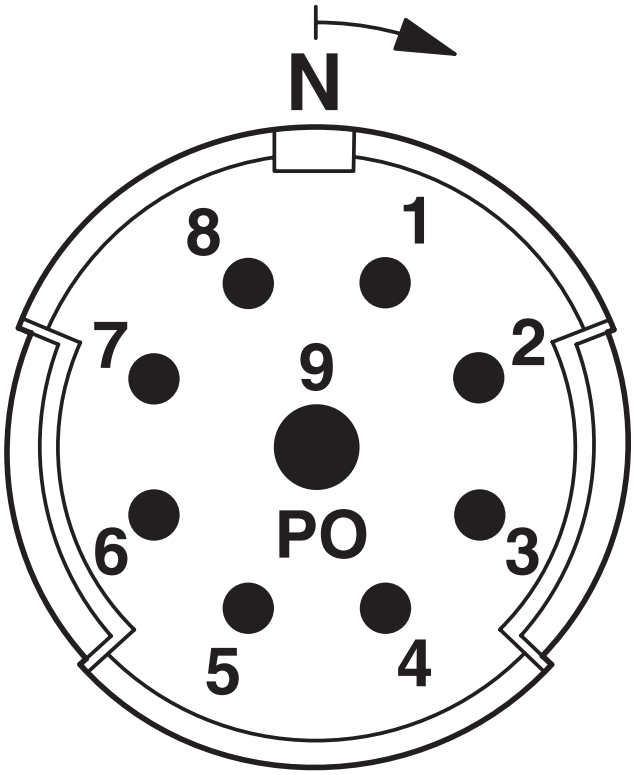
## Drawings

Schematic diagram




Connector pin assignment

Schematic diagram




Connector pin assignment

## Environmental product compliance

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.) | 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