

RC-07P1N121100 - Cable connector



1594266

<https://www.phoenixcontact.com/us/products/1594266>

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, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Pin, Solder cup, coding: N

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

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1594266 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | ABRAFA |
| GTIN | 4046356200455 |
| Weight per piece (including packing) | 93.08 g |
| Weight per piece (excluding packing) | 78.05 g |
| Country of origin | DE |

RC-07P1N121100 - Cable connector



1594266

<https://www.phoenixcontact.com/us/products/1594266>

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 | 7 |
| Direction of rotation | Standard |
| Connection profile | 7 |
| Number (Contact group 1) | 7 |
| 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 |

Housing

| | |
|-----------------------------------|-------------------------|
| Type | Cable connector housing |
| Thread type | M23 |
| Design | straight |
| Type of locking | Screw locking mechanism |
| Pg screw connection | Pg9 |
| Material (Housing) | GD-Zn |
| Material (Housing surface) | Ni |
| Material (Rotating parts) | CuZn |
| Degree of protection (plugged in) | IP65 IP67 IP68 |

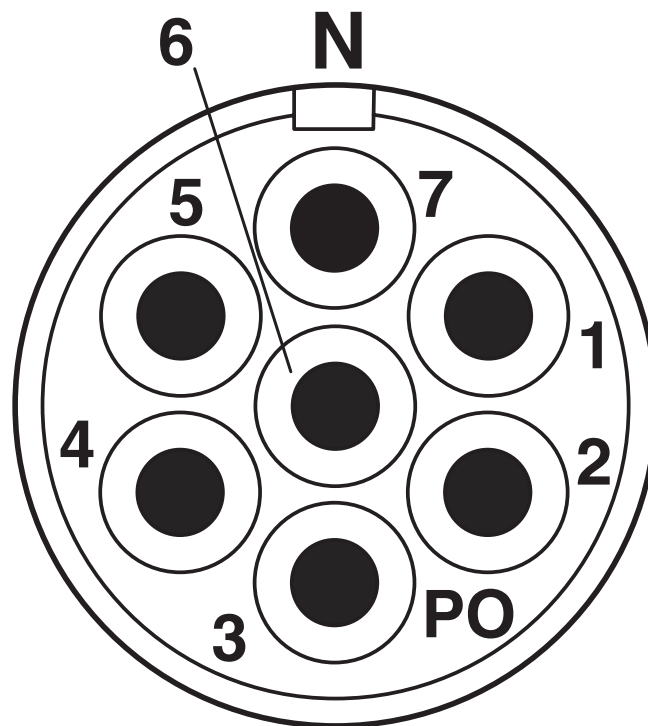
RC-07P1N121100 - Cable connector

1594266

<https://www.phoenixcontact.com/us/products/1594266>

Drawings

Schematic diagram



Connector pin assignment

RC-07P1N121100 - Cable connector



1594266

<https://www.phoenixcontact.com/us/products/1594266>

Schematic diagram



Dimensional drawing

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