

RC-07P1N1280EM - Cable connector



1594323

<https://www.phoenixcontact.com/us/products/1594323>

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

M23, Cable connector, application: Signal, straight, Screw locking mechanism, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Pin, Solder cup, cable diameter range: 3 mm ... 10.5 mm, coding: N Alternative products: 1340674

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1594323 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAFA |
| GTIN | 4046356200783 |
| Weight per piece (including packing) | 79.55 g |
| Weight per piece (excluding packing) | 74.653 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

RC-07P1N1280EM - Cable connector



1594323

<https://www.phoenixcontact.com/us/products/1594323>

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

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

Seal

| | |
|-------------------------|------------------|
| External cable diameter | 3 mm ... 10.5 mm |
| Seal material | NBR |

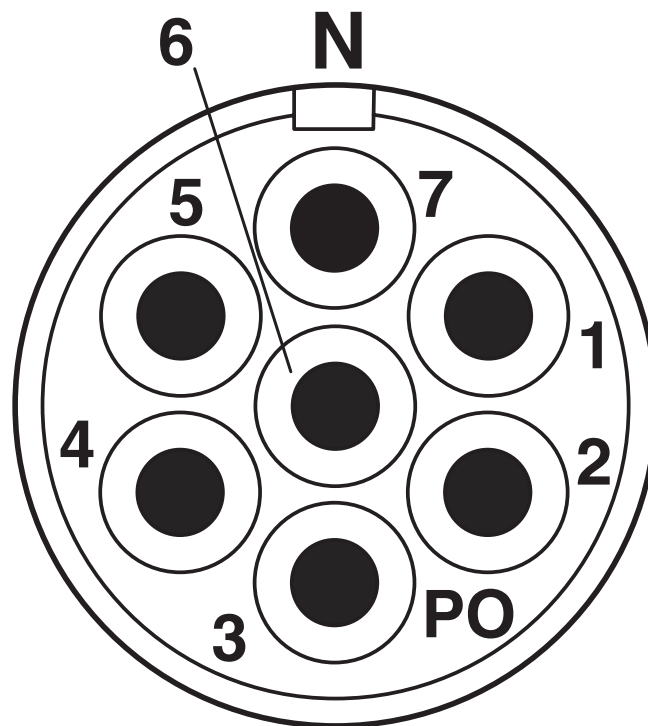
RC-07P1N1280EM - Cable connector

1594323

<https://www.phoenixcontact.com/us/products/1594323>

Drawings

Schematic diagram



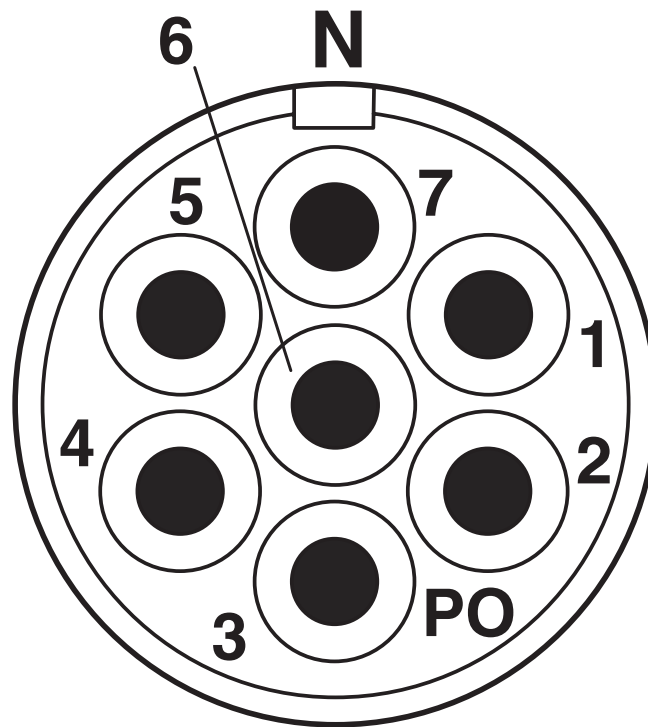
Connector pin assignment

RC-07P1N1280EM - Cable connector

1594323

<https://www.phoenixcontact.com/us/products/1594323>

Schematic diagram



Connector pin assignment

RC-07P1N1280EM - Cable connector



1594323

<https://www.phoenixcontact.com/us/products/1594323>

Schematic diagram



Dimensional drawing

RC-07P1N1280EM - Cable connector



1594323

<https://www.phoenixcontact.com/us/products/1594323>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440116 |
| ECLASS-15.0 | 27440116 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002635 |
|-----------|----------|

UNSPSC

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

RC-07P1N1280EM - Cable connector



1594323

<https://www.phoenixcontact.com/us/products/1594323>

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 | 6baa6f45-0a86-41d9-947a-022d68fee8bb |

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