

CA-06P1N12T007 - Cable connector



1620261

<https://www.phoenixcontact.com/us/products/1620261>

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M23, Cable connector, series: CA, angled, shielded: yes, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Pin, Solder connection, cable diameter range: 6 mm ... 10 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1244112

Your advantages

- Angled cable outlet for confined spaces
- Can be adapted to various applications, thanks to adjustable cable outlet direction
- Safe use in the field, thanks to high degree of protection
- Connector for flexible on-site assembly
- Consistent EMC protection for reliable transmission of signals
- Solder connection: proven connection technology for various litz wires

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1620261 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAEC |
| Catalog page | Page 92 (C-2-2019) |
| GTIN | 4046356818223 |
| Weight per piece (including packing) | 145.278 g |
| Weight per piece (excluding packing) | 145.278 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|------------------------|---------------------------------|
| Product type | Circular connector (cable-side) |
| Data management status | |
| Article revision | 05 |

Connector

| | |
|------------------------------------|-------------------|
| Insulating body | |
| Coding | N |
| Insulation body material | PBT |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Insertion/withdrawal cycles | 100 |
| Connection method | Solder connection |
| Contact switching type | Pin |
| Application | Signal |
| Number of positions | 6 |
| Direction of rotation | Standard |
| Connection profile | 6 |
| Rated voltage | 48 V AC |
| | 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Contact diameter | 2 mm |
| Litz wire cross-section | 2.5 mm² |
| Nominal current per signal contact | 20 A |

| | |
|-----------------------------------|--|
| Housing | |
| Housing material | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Type of locking | Screw locking mechanism |
| Pg screw connection | none |
| Degree of protection (plugged in) | IP67 |
| Thread type | M23 |

| | |
|-------------------------|----------------|
| Seal | |
| External cable diameter | 6 mm ... 10 mm |
| Seal material | NBR |

Environmental and real-life conditions

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Ambient conditions

| | |
|--|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
| Ambient temperature (storage/transport) | 15 °C ... 25 °C |
| Permissible humidity (storage/transport) | 50 % ... 65 % |

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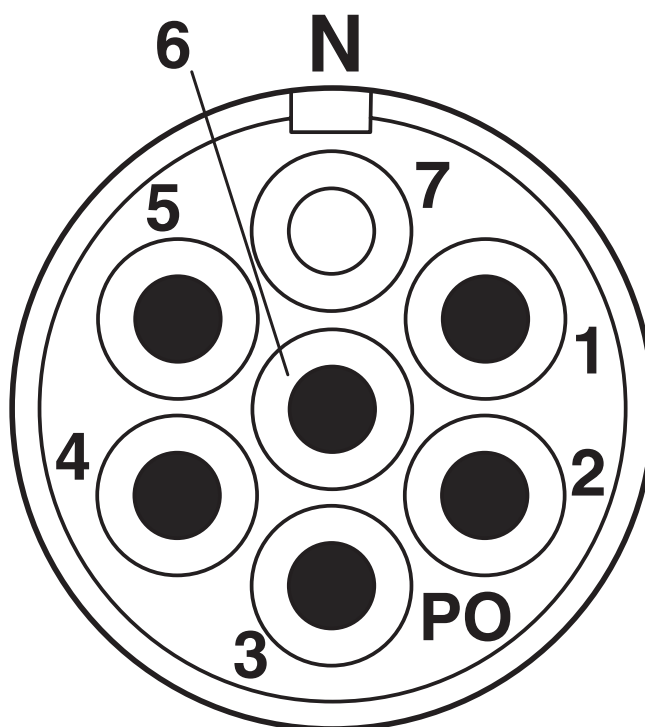
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Drawings

Schematic diagram



Connector pin assignment

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1620261>

| | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  cUL Recognized Approval ID: E335019-20141210 | | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 48 V | 10 A | 14 - 14 | - |

| | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|  UL Recognized Approval ID: E335019-20141210 | | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 48 V | 20 A | 14 - 14 | - |

| | | | | |
|-------------------------|--|--|--|--|
| cULus Recognized | | | | |
|-------------------------|--|--|--|--|

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002635 |
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UNSPSC

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

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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 | e0c1f331-53de-40b6-98d9-b2167a755745 |

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