# CA-1RP1N8AT007 - Cable connector

1624077

https://www.phoenixcontact.com/gb/products/1624077

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M23, Cable connector, series: CA, angled, shielded: yes, Screw locking mechanism, No. of pos.: 16+2+FE, Direction of rotation: Standard, contact connection type: Pin, Crimp 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.: 1245088

## 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
- Crimping connection: vibration- and temperature-resistant assembly

## Commercial data

| | |
|---|---|
| Item number | 1624077 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | ABRAEC |
| Product key | ABRAEC |
| Catalog page | Page 93 (C-2-2019) |
| GTIN | 4055626230689 |
| Weight per piece (including packing) | 187.7 g |
| Weight per piece (excluding packing) | 187.7 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Notes

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|---|---|
| Order information: | Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE) separately |

### Product properties

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

### Connector

Insulating body

| | |
|---|---|
| Note | Order information: Order crimp contacts 16x Ø 1 mm, 2x Ø 1. 5 mm, 1x Ø 1.5 mm (FE, first) separately |
| Coding | N |
| Insulation body material | PA 6.6 |
| Insertion/withdrawal cycles | 100 |
| Connection method | Crimp connection |
| Contact switching type | Pin |
| Application | Signal |
| Number of positions | 19 |
| Direction of rotation | Standard |
| Connection profile | 16+2+FE |
| Contact diameter Power contacts | 1.5 mm |
| Litz wire cross-section Power contacts min. | 0.08 mm² |
| Litz wire cross-section Power contacts max. | 1 mm² |
| Rated current Power contacts | 10 A |
| Note | for max. connection cross section |
| Rated voltage | 48 V AC |
| | 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Contact diameter Signal contacts | 1 mm |
| Litz wire cross-section Signal contacts min. | 0.08 mm² |
| Litz wire cross-section Signal contacts max. | 1 mm² |
| Nominal current per signal contact | 8 A |
| Rated voltage Signal contact | 48 V AC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Installation height | 2000 m |

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

Ambient conditions

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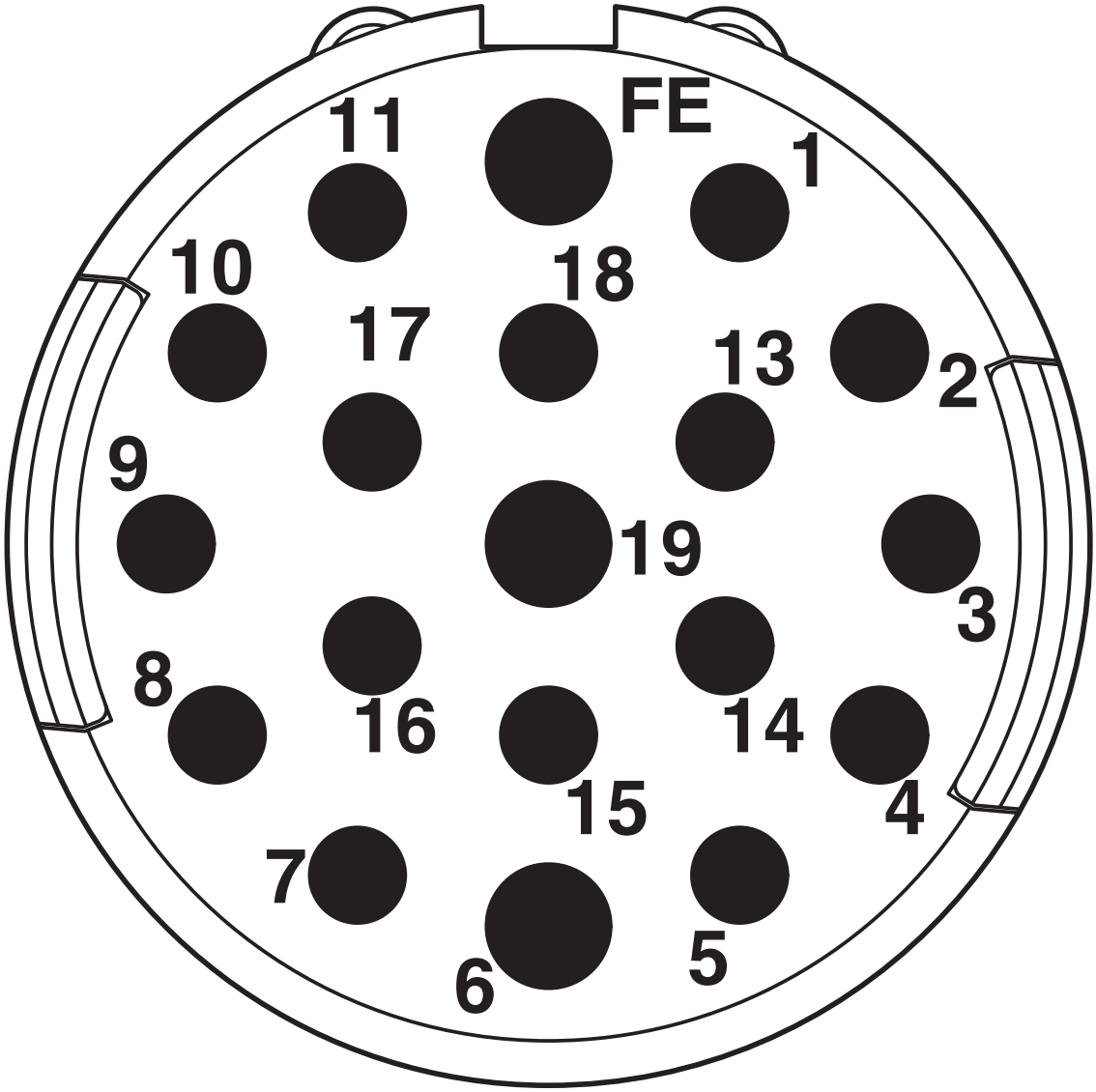
|---|---|
| Ambient temperature (storage/transport) | 15 °C ... 25 °C |
| Permissible humidity (storage/transport) | 50 % ... 65 % |

## Drawings

Schematic diagram




Connector pin assignment

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## Environmental product compliance

EU RoHS

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|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

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|---|---|
| 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 | 7996aefb-3188-4e9f-9a41-6a78573d2f52 |




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