# CA-1RP1N8AT007S - Cable connector

1624086

https://www.phoenixcontact.com/us/products/1624086

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The figure shows the 12-pos. product version with solder contacts

M23, Cable connector, application: Signal, series: CA, angled, shielded: yes, SPEEDCON, 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. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

## 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
- Reduced connection time with SPEEDCON fast locking system
- Crimping connection: vibration- and temperature-resistant assembly

## Commercial data

| | |
|---|---|
| Item number | 1624086 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAED |
| GTIN | 4055626230764 |
| Weight per piece (including packing) | 181.821 g |
| Weight per piece (excluding packing) | 181.821 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Notes

| | |
|---|---|
| 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

| | |
|---|---|
| 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 |
| Material (Insulating body) | PA 6.6 |
| Flammability rating according to UL 94 | V0 |
| 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 |
| Installation height | 2000 m |
| Number (Contact group 1) | 3 |
| Contact diameter (Contact group 1) | 1.5 mm |
| Litz wires Min. cross section (Contact group 1) | 0.08 mm² |
| Litz wires Max. cross section (Contact group 1) | 1 mm² |
| Rated current Contact (Contact group 1) | 10 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 | II |
| Degree of pollution | 3 |
| Number (Contact group 2) | 16 |
| Contact diameter (Contact group 2) | 1 mm |
| Litz wires Max. cross section (Contact group 2) | 1 mm² |
| Rated current Contact (Contact group 2) | 8 A |
| Rated voltage Contact (Contact group 2) | 48 V AC |
| | 48 V AC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |

Housing

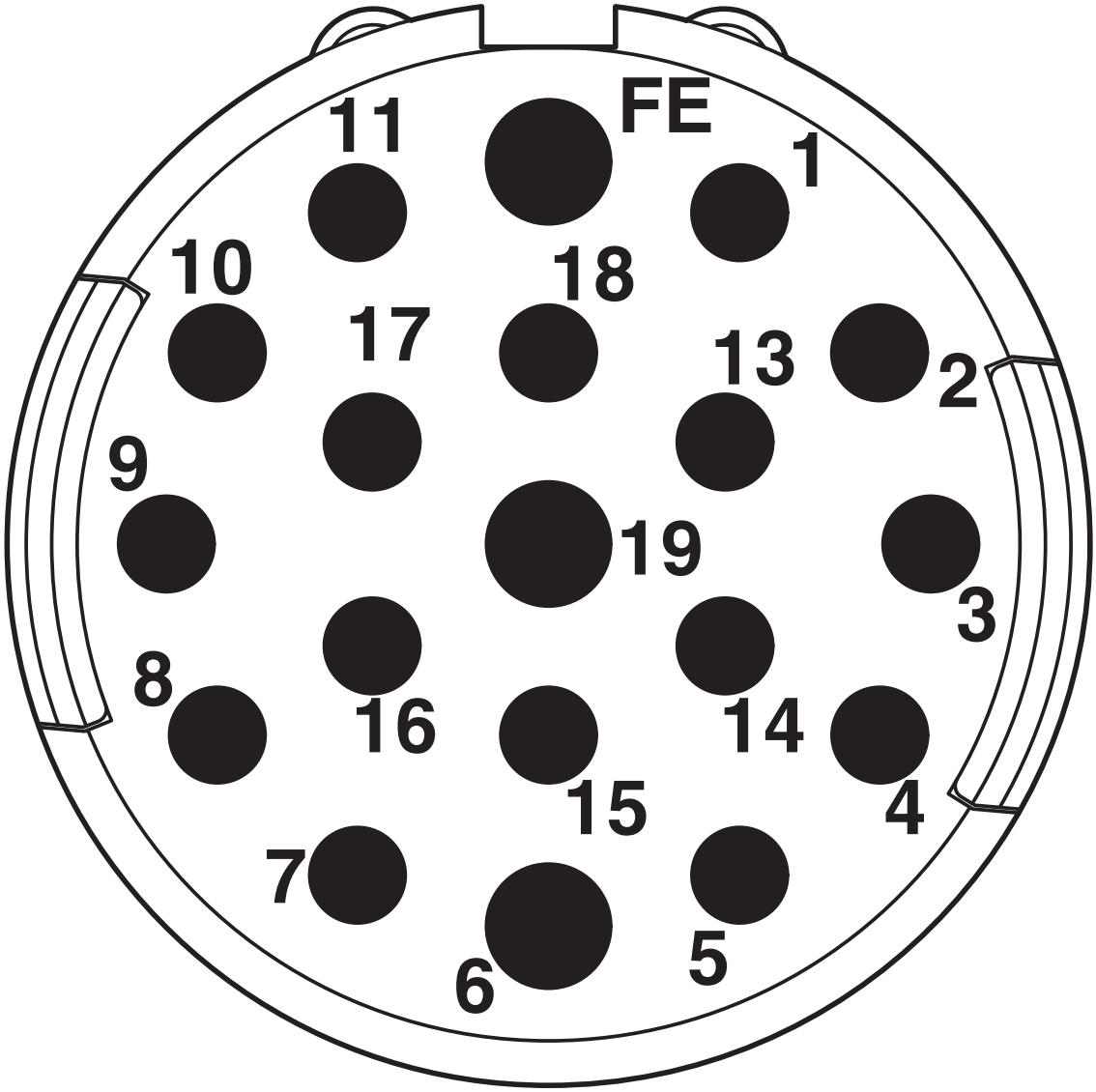
| | |
|---|---|
| Type | Cable connector housing |
| Thread type | M23 |
| Design | angled |
| Type of locking | SPEEDCON |
| Pg screw connection | none |
| Material (Housing) | Metal |
| Degree of protection (plugged in) | IP67 |

Seal

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

## Drawings

Schematic diagram




Connector pin assignment

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |


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