# CA-1RP1N8AT008 - Cable connector

1624078

**PHŒNIX CONTACT**

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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: 10 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245089

## 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 | 1624078 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB33 |
| Product key | ABRAEC |
| Catalog page | Page 93 (C-2-2019) |
| GTIN | 4055626230696 |
| Weight per piece (including packing) | 186.7 g |
| Weight per piece (excluding packing) | 186.7 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Notes

| | |
|---|---|
| General | 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 |
| Insulation body material | PA 6.6 |
| 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 | III |
| 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 |

#### Housing

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| | |
|---|---|
| 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 | 10 mm ... 14.5 mm |
| Seal material | NBR |

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## Drawings
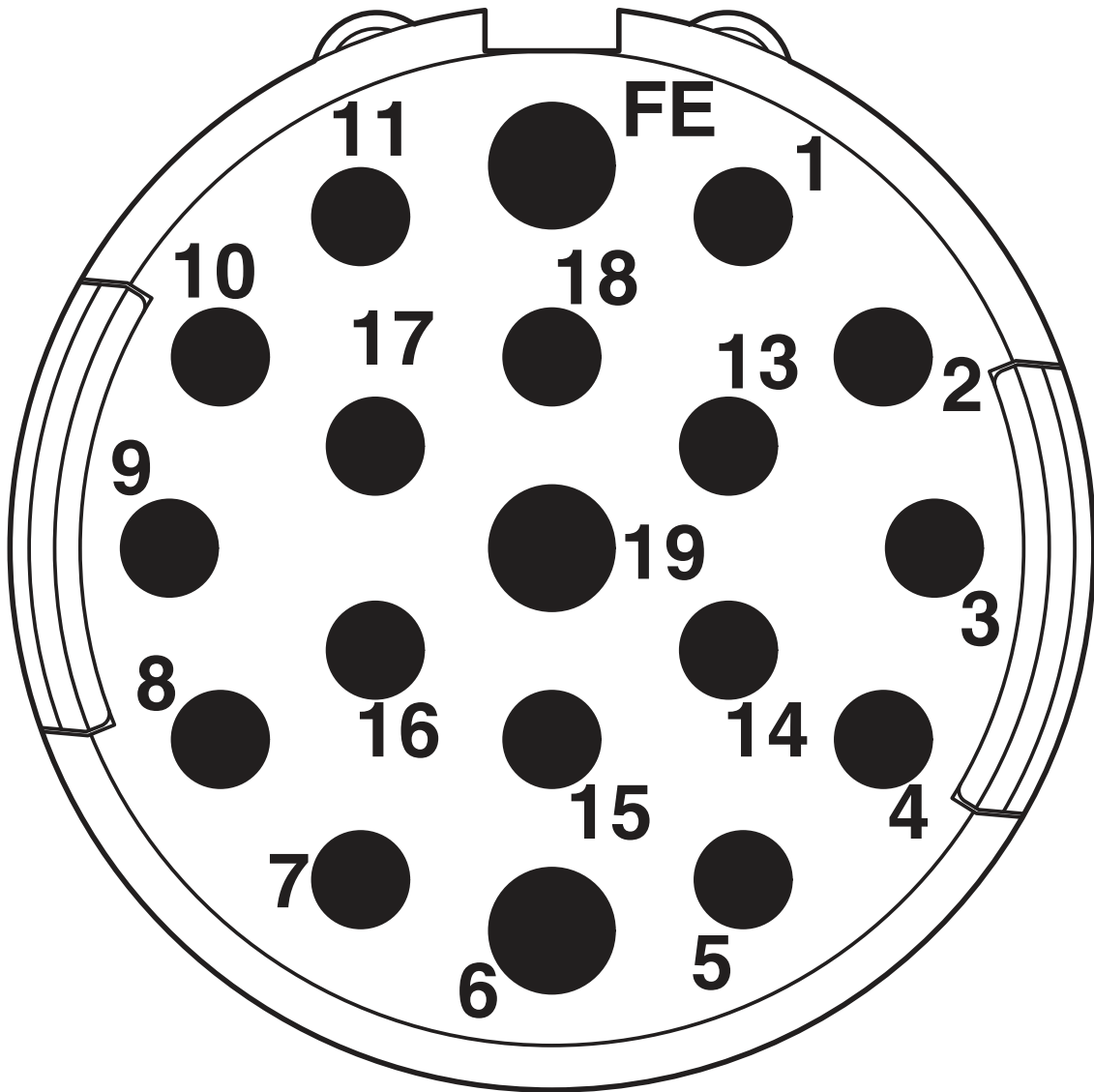
Dimensional drawing
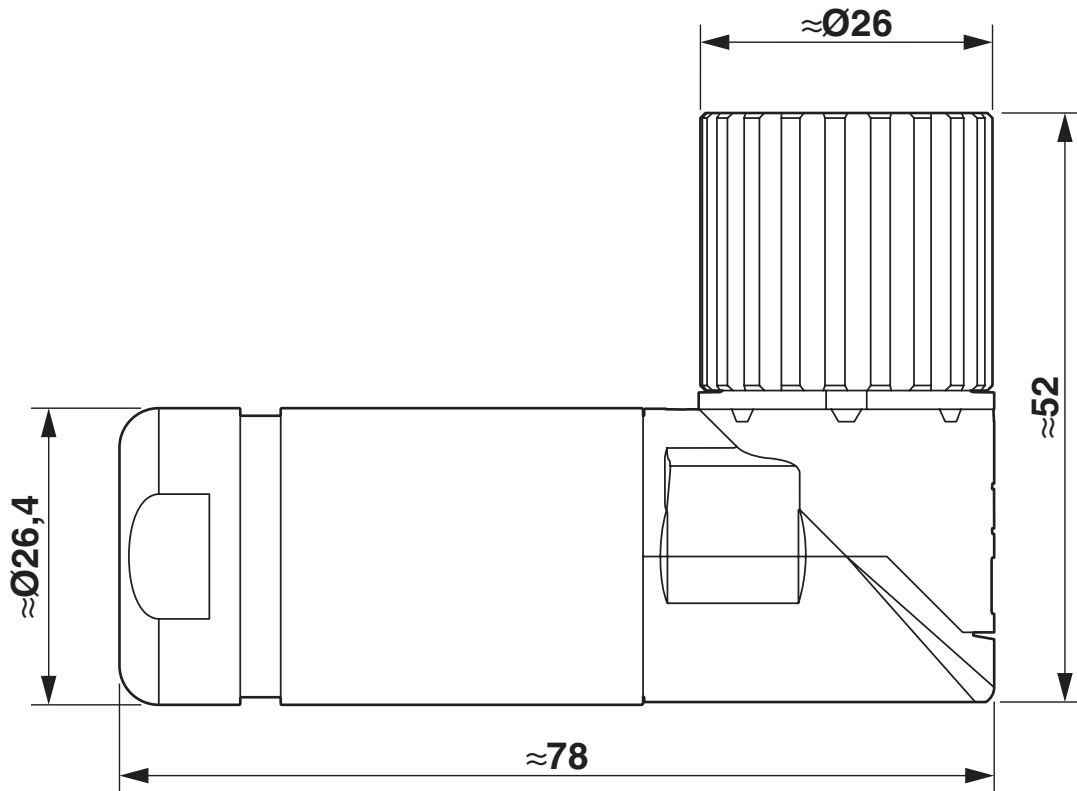


Dimensional drawing

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https://www.phoenixcontact.com/us/products/1624078

Schematic diagram

Connector pin assignment

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## Classifications

### ECLASS

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

### ETIM

| ETIM 8.0 | EC002635 |
|---|---|

### UNSPSC

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

## Environmental product compliance

| REACh SVHC | Lead 7439-92-1 |
|------------|----------------|

| China RoHS | Environmentally Friendly Use Period = 50 years |
|------------|------------------------------------------------|
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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## Accessories

### RC-15P2010 - Crimp contact

1623776

https://www.phoenixcontact.com/us/products/1623776

Crimp contact, Pin, turned, contact diameter: 1 mm, crimp range: 0.08 $mm^2$ ... 0. 22 $mm^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244971

### RC-15P2020 - Crimp contact

1623777

https://www.phoenixcontact.com/us/products/1623777

Crimp contact, Pin, turned, contact diameter: 1 mm, crimp range: 0.14 $mm^2$ ... 0. 56 $mm^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244971

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## RC-15P2030 - Crimp contact

1623778

https://www.phoenixcontact.com/us/products/1623778

Crimp contact, Pin, turned, contact diameter: 1 mm, crimp range: 0.5 mm$^2$ ... 1 mm$^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244972

## RC-15P2200 - Crimp contact

1627292

https://www.phoenixcontact.com/us/products/1627292

Crimp contact, Pin, turned, contact diameter: 1.5 mm, crimp range: 0.08 mm$^2$ ... 0.22 mm$^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245475

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## RC-15P2300 - Crimp contact

1627291

https://www.phoenixcontact.com/us/products/1627291

Crimp contact, Pin, turned, contact diameter: 1.5 mm, crimp range: 0.14 $mm^2$ ... 0.56 $mm^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245475

## RC-15P2000 - Crimp contact

1623779

https://www.phoenixcontact.com/us/products/1623779

Crimp contact, Pin, turned, contact diameter: 1.5 mm, crimp range: 0.5 $mm^2$ ... 1 $mm^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244973

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## RC-15P2100 - Crimp contact

1623780

https://www.phoenixcontact.com/us/products/1623780

Crimp contact, Pin, leading, turned, contact diameter: 1.5 mm, crimp range: 0.5 $mm^2$ ... 1 $mm^2$, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244974

## RC-Z2058 - Protective cap

1604223

https://www.phoenixcontact.com/us/products/1604223

Plastic protection cap for connectors with M23 knurled nut

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## RC-Z2468 - Protective cap

1611796

https://www.phoenixcontact.com/us/products/1611796

Plastic protection cap, antistatic, for connectors with M23 knurled nut

## CA-Z0077 - Metal protective cap

1627224

https://www.phoenixcontact.com/us/products/1627224

Metal protective cap, degree of protection: IP67, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245447

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## RF-Z0014 - Color-coding

1620588

https://www.phoenixcontact.com/us/products/1620588

Color-coding, color: green

## RF-Z0015 - Color-coding

1620592

https://www.phoenixcontact.com/us/products/1620592

Color-coding, color: orange

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## RF-Z0016 - Color-coding

1620593

https://www.phoenixcontact.com/us/products/1620593

Color-coding, color: black

## RF-Z0003 - Square mounting flange

1607905

https://www.phoenixcontact.com/us/products/1607905

Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1242369

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https://www.phoenixcontact.com/us/products/1624078

## SF-Z0028 - Torque screwdriver

1607456

https://www.phoenixcontact.com/us/products/1607456

Torque screwdriver, series: RC

## SF-Z0027 - Hook wrench

1607455

https://www.phoenixcontact.com/us/products/1607455

Hook wrench, series: RC

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https://www.phoenixcontact.com/us/products/1624078

## RF-Z0007 - Special wrench

1614347

https://www.phoenixcontact.com/us/products/1614347

Special wrench, series: RF