

# CA-16P1N8A8006 - Cable connector



1619731

<https://www.phoenixcontact.com/pc/products/1619731>

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M23, Cable connector, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos. : 16, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 4 mm ... 6 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1243783

## Your advantages

- 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                          | 1619731                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAEA                         |
| GTIN                                 | 4046356821865                  |
| Weight per piece (including packing) | 88.3 g                         |
| Weight per piece (excluding packing) | 88 g                           |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Technical data

### Notes

|         |  |
|---------|--|
| General | Order 6 x Ø 1 mm crimp contacts separately |
|---------|--|

### Product properties

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

### Connector

#### Insulating body

|   |   |
|---|---|
| Note  | Order information: Order crimp contacts Ø 1 mm separately |
| Coding  | N   |
| Insulation body material                            | PA 6.6  |
| Connection method                                   | Crimp connection  |
| Contact switching type                              | Pin   |
| Application   | Signal  |
| Number of positions                                 | 16  |
| Direction of rotation                               | Standard  |
| Connection profile                                  | 16  |
| Contact diameter <b>Signal contacts</b>             | 1 mm  |
| Litz wire cross-section <b>Signal contacts</b> min. | 0.08 mm <sup>2</sup>                                      |
| Litz wire cross-section <b>Signal contacts</b> max. | 1 mm <sup>2</sup>   |
| Nominal current per signal contact                  | 8 A   |
| Rated voltage <b>Signal contact</b>                 | 48 V AC   |
| Rated surge voltage                                 | 1.5 kV  |
| Overvoltage category                                | III   |
| Degree of pollution                                 | 3   |

#### 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 | 4 mm ... 6 mm |
| Seal material           | NBR           |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                   |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

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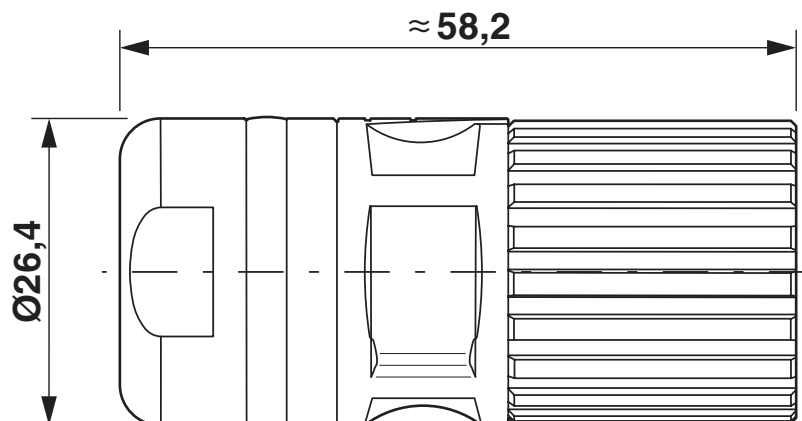
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## Drawings

Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1619731>

|  <b>cUL Recognized</b><br>Approval ID: E335019-20141210 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|  | 48 V                  | 3 A                   | - 20              | -                           |

|  <b>UL Recognized</b><br>Approval ID: E335019-20141210 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|   | 48 V                  | 5 A                   | - 20              | -                           |

**cULus Recognized**

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

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## 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-Z2058 - Protective cap

1604223

<https://www.phoenixcontact.com/pc/products/1604223>



Plastic protection cap for connectors with M23 knurled nut

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### RC-Z2468 - Protective cap

1611796

<https://www.phoenixcontact.com/pc/products/1611796>



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

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## CA-Z0077 - Metal protective cap

1627224

<https://www.phoenixcontact.com/pc/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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## SF-Z0028 - Torque screwdriver

1607456

<https://www.phoenixcontact.com/pc/products/1607456>



Torque screwdriver, series: RC



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## SF-Z0027 - Hook wrench

1607455

<https://www.phoenixcontact.com/pc/products/1607455>



Hook wrench, series: RC

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## RF-Z0014 - Color-coding

1620588

<https://www.phoenixcontact.com/pc/products/1620588>



Color-coding, color: green

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## RF-Z0015 - Color-coding

1620592

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Color-coding, color: orange



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## RF-Z0016 - Color-coding

1620593

<https://www.phoenixcontact.com/pc/products/1620593>

Color-coding, color: black



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## RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/pc/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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## RC-11P2000 - Crimp contact

1596770

<https://www.phoenixcontact.com/pc/products/1596770>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1240882

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## RC-12P2000 - Crimp contact

1597862

<https://www.phoenixcontact.com/pc/products/1597862>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1240882

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## RC-1KP2000 - Crimp contact

1602996

<https://www.phoenixcontact.com/pc/products/1602996>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm<sup>2</sup> ... 1 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241571

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## RC-22P2000 - Crimp contact

1603321

<https://www.phoenixcontact.com/pc/products/1603321>



Crimp contact, Pin, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Single contact, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

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## RC-22P2300 - Crimp contact

1603324

<https://www.phoenixcontact.com/pc/products/1603324>



Crimp contact, Pin, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

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## RC-22P2400 - Crimp contact

1603325

<https://www.phoenixcontact.com/pc/products/1603325>



Crimp contact, Pin, rolled, Taped articles, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

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## RC-21P2000 - Crimp contact

1603310

<https://www.phoenixcontact.com/pc/products/1603310>



Crimp contact, Pin, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, Single contact

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## RC-21P2300 - Crimp contact

1603313

<https://www.phoenixcontact.com/pc/products/1603313>



Crimp contact, Pin, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

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## RC-21P2400 - Crimp contact

1611637

<https://www.phoenixcontact.com/pc/products/1611637>



Crimp contact, Pin, rolled, Taped articles, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstraße 8  
D-32825 Blomberg  
+49 (0) 5235-3 00  
[info@phoenixcontact.com](mailto:info@phoenixcontact.com)