

# CA-06P1N8AT006S - Cable connector



1619421  
<https://www.phoenixcontact.com/be/products/1619421>

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M23, Cable connector, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 6, 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.: 1243539



## 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                          | 1619421                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | ABRAED                         |
| Product key                          | ABRAED                         |
| Catalog page                         | Page 90 (C-2-2019)             |
| GTIN                                 | 4046356824262                  |
| Weight per piece (including packing) | 189,2 g                        |
| Weight per piece (excluding packing) | 189,2 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Technical data

### Notes

|                    |                                            |
|--------------------|--------------------------------------------|
| Order information: | Order crimp contacts 6 x Ø 2 mm separately |
|--------------------|--------------------------------------------|

### Product properties

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

### Data management status

|                  |    |
|------------------|----|
| Article revision | 06 |
|------------------|----|

### Connector

#### Insulating body

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| Note                               | Order information: Order crimp contacts 6 x Ø 2 mm separately |
| Coding                             | N                                                             |
| Insulation body material           | PA 6.6                                                        |
| Connection method                  | Crimp connection                                              |
| Contact switching type             | Pin                                                           |
| Application                        | Signal                                                        |
| Number of positions                | 6                                                             |
| Direction of rotation              | Standard                                                      |
| Connection profile                 | 6                                                             |
| Contact diameter                   | 2 mm                                                          |
| Litz wire cross-section            | 1 mm <sup>2</sup>                                             |
| Litz wire cross-section            | 2.5 mm <sup>2</sup>                                           |
| Nominal current per signal contact | 20 A                                                          |
| Rated voltage Signal contact       | 48 V AC                                                       |
| Rated surge voltage                | 1.5 kV                                                        |
| Overvoltage category               | III                                                           |
| Degree of pollution                | 3                                                             |

#### Housing

|                                   |          |
|-----------------------------------|----------|
| Housing material                  | Metal    |
| Type of locking                   | SPEEDCON |
| 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

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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 %     |

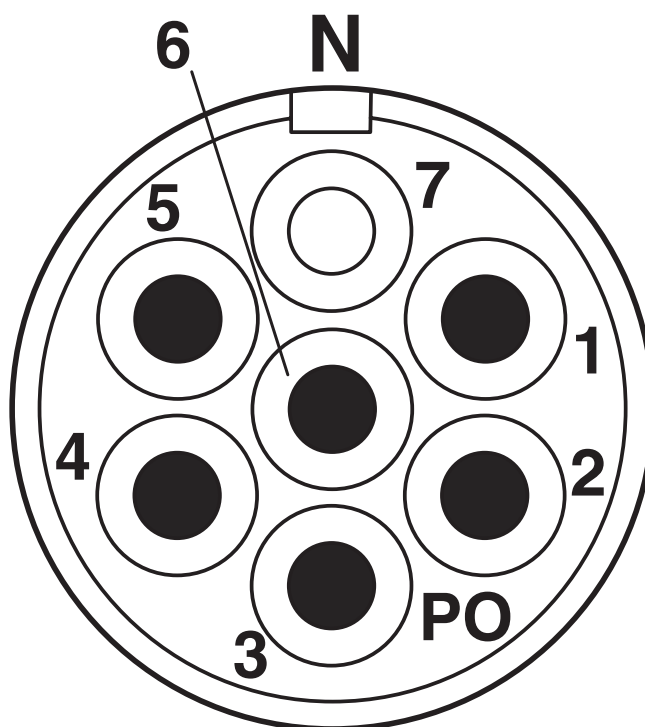
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## Drawings

Schematic diagram



Connector pin assignment

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/be/products/1619421>

|                                                                                   |                               |                       |                       |                             |
|-----------------------------------------------------------------------------------|-------------------------------|-----------------------|-----------------------|-----------------------------|
|  | <b>cUL Recognized</b>         |                       |                       |                             |
|                                                                                   | Approval ID: E335019-20141210 |                       |                       |                             |
|                                                                                   |                               | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG           |
|                                                                                   |                               | 48 V                  | 10 A                  | 14 - 14                     |
|                                                                                   |                               |                       |                       | Cross section $\text{mm}^2$ |
|                                                                                   |                               |                       |                       | -                           |

|                                                                                   |                               |                       |                       |                             |
|-----------------------------------------------------------------------------------|-------------------------------|-----------------------|-----------------------|-----------------------------|
|  | <b>UL Recognized</b>          |                       |                       |                             |
|                                                                                   | Approval ID: E335019-20141210 |                       |                       |                             |
|                                                                                   |                               | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG           |
|                                                                                   |                               | 48 V                  | 17 A                  | 14 - 14                     |
|                                                                                   |                               |                       |                       | Cross section $\text{mm}^2$ |
|                                                                                   |                               |                       |                       | -                           |

|                         |  |  |  |  |
|-------------------------|--|--|--|--|
| <b>cULus Recognized</b> |  |  |  |  |
|-------------------------|--|--|--|--|

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

|             |          |
|-------------|----------|
| 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                                    | 6c4baec7-2322-43ee-9bb0-56deeea0c768                                                                                                                                                                                              |

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## Accessories

### SF-Z0028 - Torque screwdriver

1607456

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

Torque screwdriver, series: RC, UC, SH, SF



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### SF-Z0027 - Hook wrench

1607455

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

Hook wrench, series: RC, UC, RF, SF





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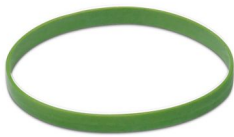
<https://www.phoenixcontact.com/be/products/1619421>

## RF-Z0014 - Color coding

1620588

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

Color coding, color: green



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## RF-Z0015 - Color coding

1620592

<https://www.phoenixcontact.com/be/products/1620592>

Color coding, color: orange



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### RF-Z0016 - Color coding

1620593

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

Color coding, color: black



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### RC-5CP2000 - Crimp contact

1603513

<https://www.phoenixcontact.com/be/products/1603513>



Crimp contact, Pin, turned, contact diameter: 2 mm, crimp range: 1 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241634

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### RC-5AP2000 - Crimp contact

1603505

<https://www.phoenixcontact.com/be/products/1603505>



Crimp contact, Pin, turned, contact diameter: 2 mm, crimp range: 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241634

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### RC-5SP2000 - Crimp contact

1603529

<https://www.phoenixcontact.com/be/products/1603529>



Crimp contact, Pin, turned, contact diameter: 2 mm, crimp range: 0.5 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241632

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## PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

<https://www.phoenixcontact.com/be/products/1577206>



Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM

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