

# CA-06P1N8AT0DNS - Cable connector



1619447

<https://www.phoenixcontact.com/us/products/1619447>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

M23, Cable connector, application: Signal, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding: N



The figure shows the product version with solder contacts

## 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                          | 1619447                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB31                           |
| Product key                          | ABRAED                         |
| GTIN                                 | 4046356824002                  |
| Weight per piece (including packing) | 194.7 g                        |
| Weight per piece (excluding packing) | 182.044 g                      |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

# CA-06P1N8AT0DNS - Cable connector



1619447

<https://www.phoenixcontact.com/us/products/1619447>

## Technical data

### Notes

|                    |   |
|--------------------|---|
| Order information: | Order crimp contacts 6 x Ø 2 mm separately  |
| Order information: | When using a specific cable with Ø 3 mm ... 4 mm, it may be necessary to use the special cable seal (1786601) |

### Product properties

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

### Connector

#### Insulating body

|   |   |
|---|---|
| Note  | Order information: Order crimp contacts 6 x Ø 2 mm separately |
| Coding  | N   |
| Material (Insulating body)                      | PA 6.6  |
| Connection method                               | Crimp connection  |
| Contact switching type                          | Pin   |
| Application                                     | Signal  |
| Number of positions                             | 6   |
| Direction of rotation                           | Standard  |
| Connection profile                              | 6   |
| Number (Signal contacts)                        | 6   |
| Contact diameter (Signal contacts)              | 2 mm  |
| Litz wires Min. cross section (Signal contacts) | 1 mm <sup>2</sup>   |
| Litz wires Max. cross section (Signal contacts) | 2.5 mm <sup>2</sup>   |
| Rated current Contact (Signal contacts)         | 20 A (for max. connection cross section)                      |
| Rated voltage Contact (Signal contacts)         | 48 V AC<br>74 V DC  |
| 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                    |
| Housing material                  | Metal                   |
| Degree of protection (plugged in) | IP67                    |

#### Seal

|                         |                  |
|-------------------------|------------------|
| External cable diameter | 3 mm ... 14.5 mm |
| Seal material           | NBR              |

# CA-06P1N8AT0DNS - Cable connector



1619447

<https://www.phoenixcontact.com/us/products/1619447>

## Environmental and real-life conditions

### Ambient conditions

|  |                   |
|--|-------------------|
| Ambient temperature (operation)          | -40 °C ... 125 °C |
| Permissible humidity (storage/transport) | 50 % ... 65 %     |

# CA-06P1N8AT0DNS - Cable connector



1619447

<https://www.phoenixcontact.com/us/products/1619447>

## Drawings

Schematic diagram



Connector pin assignment

# CA-06P1N8AT0DNS - Cable connector

1619447

<https://www.phoenixcontact.com/us/products/1619447>

Schematic diagram



Connector pin assignment

# CA-06P1N8AT0DNS - Cable connector



1619447

<https://www.phoenixcontact.com/us/products/1619447>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# CA-06P1N8AT0DNS - Cable connector



1619447

<https://www.phoenixcontact.com/us/products/1619447>

## 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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)