

# CA-16P1N12T006S - Cable connector



1619407

<https://www.phoenixcontact.com/us/products/1619407>

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, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Pin, Solder 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.: 1243525



## 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
- Solder connection: proven connection technology for various litz wires

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1619407                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB31                           |
| Product key                          | ABRAED                         |
| GTIN                                 | 4046356824408                  |
| Weight per piece (including packing) | 194.4 g                        |
| Weight per piece (excluding packing) | 147.746 g                      |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

# CA-16P1N12T006S - Cable connector



1619407

<https://www.phoenixcontact.com/us/products/1619407>

## Technical data

### Product properties

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

### Connector

#### Insulating body

|                                                     |                   |
|-----------------------------------------------------|-------------------|
| Coding                                              | N                 |
| Insulation body material                            | PBT               |
| Contact material                                    | CuZn              |
| Contact surface material                            | Ni/Au             |
| Insertion/withdrawal cycles                         | 100               |
| Connection method                                   | Solder connection |
| Contact switching type                              | Pin               |
| Application                                         | Signal            |
| Number of positions                                 | 16                |
| Direction of rotation                               | Standard          |
| Connection profile                                  | 16                |
| Rated voltage                                       | 48 V AC           |
|                                                     | 74 V DC           |
| Rated surge voltage                                 | 1.5 kV            |
| Overvoltage category                                | III               |
| Degree of pollution                                 | 3                 |
| Contact diameter <b>Signal contacts</b>             | 1 mm              |
| Litz wire cross-section <b>Signal contacts max.</b> | 1 mm <sup>2</sup> |
| Nominal current per signal contact                  | 8 A               |

#### 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

#### Ambient conditions

|                                          |                   |
|------------------------------------------|-------------------|
| Ambient temperature (operation)          | -40 °C ... 125 °C |
| Ambient temperature (storage/transport)  | 15 °C ... 25 °C   |
| Permissible humidity (storage/transport) | 50 % ... 65 %     |

# CA-16P1N12T006S - Cable connector

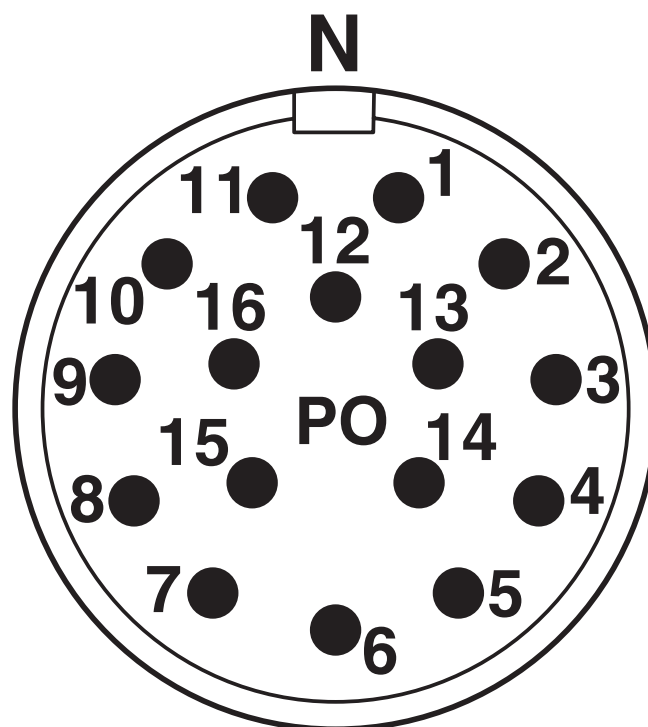
1619407

<https://www.phoenixcontact.com/us/products/1619407>



## Drawings

Schematic diagram



Connector pin assignment

# CA-16P1N12T006S - Cable connector



1619407

<https://www.phoenixcontact.com/us/products/1619407>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619407>

|                                                                                                                                          |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <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                  | 5 A                   | 18 - 18           | -                           |

|                                                                                                                                         |                       |                       |                   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <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                  | 8 A                   | 18 - 18           | -                           |

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

# CA-16P1N12T006S - Cable connector



1619407

<https://www.phoenixcontact.com/us/products/1619407>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# CA-16P1N12T006S - Cable connector



1619407

<https://www.phoenixcontact.com/us/products/1619407>

## 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                                | d2fc9e2c-ee0b-4f48-89b9-9141776f11aa |

Phoenix Contact 2025 © - 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)