

# CA-16S1N8AT0DNS - Cable connector



1619432

<https://www.phoenixcontact.com/us/products/1619432>

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M23, Cable connector, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243550



## 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                          | 1619432                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB31                           |
| Product key                          | ABRAED                         |
| GTIN                                 | 4046356824156                  |
| Weight per piece (including packing) | 197.5 g                        |
| Weight per piece (excluding packing) | 197.5 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Technical data

### Notes

|                    |                                            |
|--------------------|--------------------------------------------|
| Order information: | Order 6 x Ø 1 mm crimp contacts separately |
|--------------------|--------------------------------------------|

### Product properties

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

### Connector

#### Connection 1

|             |        |
|-------------|--------|
| Head design | Socket |
|-------------|--------|

#### Insulating body

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| Note                               | Order information: Order 6 x Ø 1 mm crimp contacts separately |
| Coding                             | N                                                             |
| Insulation body material           | PA 6.6                                                        |
| Connection method                  | Crimp connection                                              |
| Contact switching type             | Socket                                                        |
| Application                        | Signal                                                        |
| Number of positions                | 16                                                            |
| Direction of rotation              | Standard                                                      |
| Connection profile                 | 16                                                            |
| Contact diameter                   | 1 mm                                                          |
| Litz wire cross-section            | 0.08 mm <sup>2</sup>                                          |
| Litz wire cross-section            | 1 mm <sup>2</sup>                                             |
| 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

|                                   |          |
|-----------------------------------|----------|
| Housing material                  | Metal    |
| Type of locking                   | SPEEDCON |
| Pg screw connection               | none     |
| Degree of protection (plugged in) | IP67     |
| Thread type                       | M23      |

#### Seal

|                         |                  |
|-------------------------|------------------|
| External cable diameter | 3 mm ... 14.5 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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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619432>

| cUL Recognized<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 - 20           | -                           |

| UL Recognized<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 - 20           | -                           |

| cULus Recognized |  |  |  |  |
|------------------|--|--|--|--|
|------------------|--|--|--|--|

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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                                | 278fb7c6-ecff-4c02-8706-932c24238911 |

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