

CA-12S1N8AT0DNS - Cable connector

1619436

<https://www.phoenixcontact.com/us/products/1619436>



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.: 12, 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.: 1243554



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 | 1619436 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB31 |
| Product key | ABRAED |
| Catalog page | Page 90 (C-2-2019) |
| GTIN | 4046356824118 |
| Weight per piece (including packing) | 189.6 g |
| Weight per piece (excluding packing) | 189.6 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

CA-12S1N8AT0DNS - Cable connector

1619436

<https://www.phoenixcontact.com/us/products/1619436>



Technical data

Notes

| | |
|--------------------|---|
| Order information: | Order 12 x 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 crimp contacts Ø 1 mm separately |
| Coding | N |
| Insulation body material | PA 6.6 |
| Connection method | Crimp connection |
| Contact switching type | Socket |
| Application | Signal |
| Number of positions | 12 |
| Direction of rotation | Standard |
| Connection profile | 12 |
| Contact diameter Signal contacts | 1 mm |
| Litz wire cross-section Signal contacts min. | 0.08 mm ² |
| Litz wire cross-section Signal contacts max. | 1 mm ² |
| Nominal current per signal contact | 8 A |
| Rated voltage Signal contact | 48 V AC |
| Rated surge voltage | 1.5 kV |
| Overtoltage 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

CA-12S1N8AT0DNS - Cable connector

1619436

<https://www.phoenixcontact.com/us/products/1619436>



Ambient conditions

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

CA-12S1N8AT0DNS - Cable connector

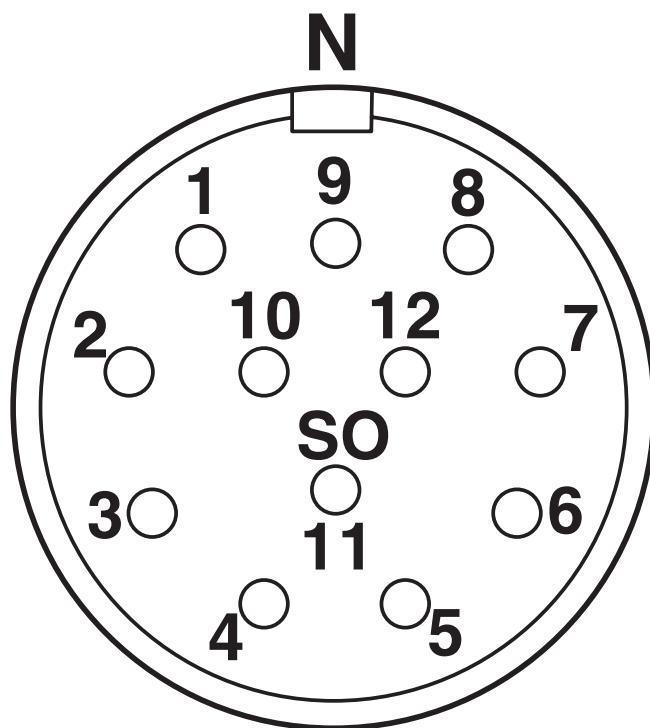
1619436

<https://www.phoenixcontact.com/us/products/1619436>



Drawings

Schematic diagram



Connector pin assignment

CA-12S1N8AT0DNS - Cable connector

1619436

<https://www.phoenixcontact.com/us/products/1619436>



Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619436>

| cUL Recognized | |
|-------------------------------|-----------------------|
| Approval ID: E335019-20141210 | |
| Nominal voltage U_N | Nominal current I_N |
| 48 V | 4 A |
| | |
| Cross section AWG | Cross section mm^2 |
| 20 - 20 | - |

| UL Recognized | |
|-------------------------------|-----------------------|
| Approval ID: E335019-20141210 | |
| Nominal voltage U_N | Nominal current I_N |
| 48 V | 6 A |
| | |
| Cross section AWG | Cross section mm^2 |
| 20 - 20 | - |

cULus Recognized

CA-12S1N8AT0DNS - Cable connector

1619436

<https://www.phoenixcontact.com/us/products/1619436>



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-12S1N8AT0DNS - Cable connector

1619436

<https://www.phoenixcontact.com/us/products/1619436>



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 | c4d28ce7-b86f-414d-924e-cd36d381d204 |

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