

CA-06S1N8A8008 - Cable connector



1619657

<https://www.phoenixcontact.com/us/products/1619657>

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, straight, shielded: yes, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 10 mm ... 14.5 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

Your advantages

- 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
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1619657 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB31 |
| Product key | ABRAEA |
| GTIN | 4046356822213 |
| Weight per piece (including packing) | 88.8 g |
| Weight per piece (excluding packing) | 85.132 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

CA-06S1N8A8008 - Cable connector



1619657

<https://www.phoenixcontact.com/us/products/1619657>

Technical data

Notes

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

Product properties

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

Connector

Connection 1

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

Insulating body

| | |
|--|---|
| Note | Order information: Order crimp contacts Ø 2 mm separately |
| Coding | N |
| Material (Insulating body) | PA 6.6 |
| Connection method | Crimp connection |
| Contact switching type | Socket |
| Application | Signal |
| Number of positions | 6 |
| Direction of rotation | Standard |
| Connection profile | 6 |
| Number Contact (Signal contacts) | 6 |
| Diameter Contact (Signal contacts) | 2 mm |
| Litz wire cross-section min. Contact (Signal contacts) | 1 mm ² |
| Litz wire cross-section max. Contact (Signal contacts) | 2.5 mm ² |
| Rated current Contact (Signal contacts) | 20 A (for max. connection cross section) |
| Rated voltage Contact (Signal contacts) | 48 V AC 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 | straight |
| Type of locking | Screw locking mechanism |
| Pg screw connection | none |
| Housing material | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Material for screw connection | CuZn |
| Degree of protection (plugged in) | IP67 |

Seal

CA-06S1N8A8008 - Cable connector



1619657

<https://www.phoenixcontact.com/us/products/1619657>

| | |
|-------------------------|-------------------|
| External cable diameter | 10 mm ... 14.5 mm |
| Seal material | NBR |

Environmental and real-life conditions

Ambient conditions

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

CA-06S1N8A8008 - Cable connector

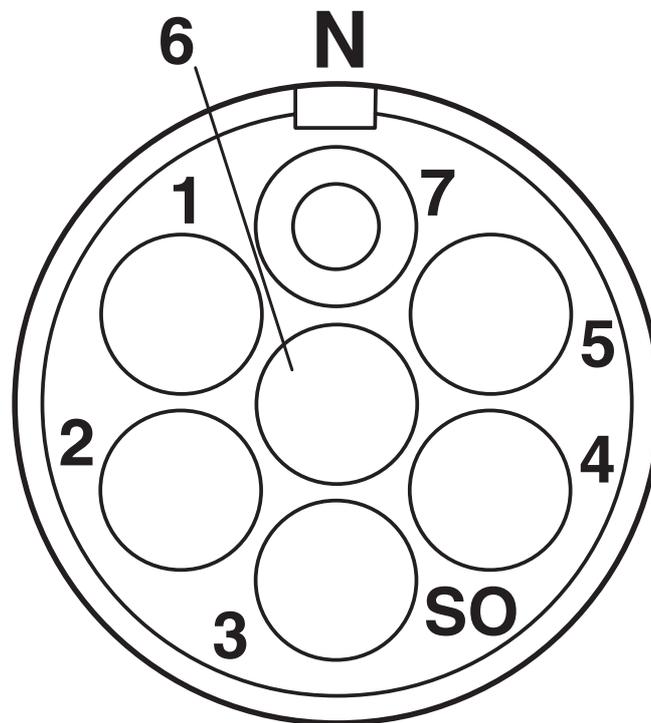


1619657

<https://www.phoenixcontact.com/us/products/1619657>

Drawings

Schematic diagram



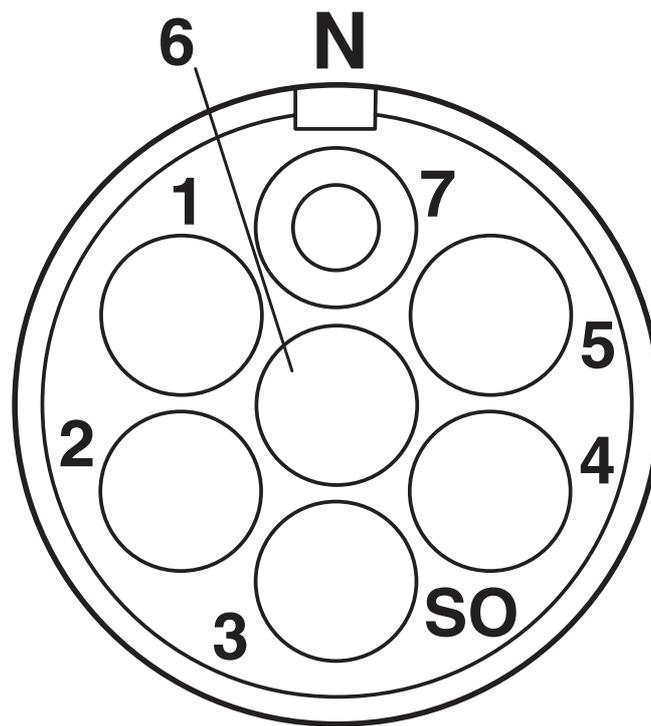
Connector pin assignment

CA-06S1N8A8008 - Cable connector

1619657

<https://www.phoenixcontact.com/us/products/1619657>

Schematic diagram



Connector pin assignment

CA-06S1N8A8008 - Cable connector



1619657

<https://www.phoenixcontact.com/us/products/1619657>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619657>

|  cUL Recognized Approval ID: E335019-20141210 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 48 V | 10 A | 14 | - |

|  UL Recognized Approval ID: E335019-20141210 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 48 V | 17 A | 14 | - |

CA-06S1N8A8008 - Cable connector



1619657

<https://www.phoenixcontact.com/us/products/1619657>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

CA-06S1N8A8008 - Cable connector



1619657

<https://www.phoenixcontact.com/us/products/1619657>

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 | 9f5b4cd8-47dd-4467-acdd-8bea121ea180 |

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