

# CA-07S1N128006S - Cable connector



1619575

<https://www.phoenixcontact.com/us/products/1619575>

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M23, Cable connector, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Socket, 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.: 1243666

## 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
- Reduced connection time with SPEEDCON fast locking system
- Solder connection: proven connection technology for various litz wires

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1619575                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB31                           |
| Product key                          | ABRAEB                         |
| Catalog page                         | Page 84 (C-2-2019)             |
| GTIN                                 | 4046356822992                  |
| Weight per piece (including packing) | 97 g                           |
| Weight per piece (excluding packing) | 90.557 g                       |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                        |                                 |
|------------------------|---------------------------------|
| Product type           | Circular connector (cable-side) |
| Data management status |                                 |
| Article revision       | 08                              |

### Connector

#### Connection 1

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

#### 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             | Socket              |
| Application                        | Signal              |
| Number of positions                | 7                   |
| Direction of rotation              | Standard            |
| Connection profile                 | 7                   |
| Rated voltage                      | 48 V AC<br>74 V DC  |
| Rated surge voltage                | 1.5 kV              |
| Overvoltage category               | III                 |
| Degree of pollution                | 3                   |
| Contact diameter                   | 2 mm                |
| Litz wire cross-section            | 2.5 mm <sup>2</sup> |
| Nominal current per signal contact | 20 A                |

#### Signal contacts

Signal contacts max.

#### Housing

|                                   |             |
|-----------------------------------|-------------|
| Housing material                  | CuZn, GD-Zn |
| 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           |

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## Environmental and real-life conditions

### Ambient conditions

|                                 |                   |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

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## Drawings

Schematic diagram



Connector pin assignment

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619575>

|                                                                                                                                          |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <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                  | 10 A                  | 14 - 14           | -                           |

|                                                                                                                                         |                       |                       |                   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <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                  | 20 A                  | 14 - 14           | -                           |

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

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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                                    | 331b6972-222f-4489-8dbc-afd425f19c25                                                                                                                                                                                              |

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