

# CA-06S1N8A8006 - Cable connector



1619748

<https://www.phoenixcontact.com/nl/products/1619748>

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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: 4 mm ... 6 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.

The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

## 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                          | 1619748                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | ABRAEA                         |
| Product key                          | ABRAEA                         |
| GTIN                                 | 4046356821698                  |
| Weight per piece (including packing) | 90 g                           |
| Weight per piece (excluding packing) | 86,6 g                         |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Technical data

### Notes

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

### 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 <sup>2</sup>                                         |
| Litz wire cross-section max. Contact (Signal contacts) | 2.5 mm <sup>2</sup>                                       |
| 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

|                         |               |
|-------------------------|---------------|
| 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 |
| Permissible humidity (storage/transport) | 50 % ... 65 %     |

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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/nl/products/1619748>

|  <b>cUL Recognized</b><br>Approval ID: E335019-20141210 |                                |                                |                   |                               |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                                          | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                                    |                                |                                |                   |                               |
|                                                                                                                                          | 48 V                           | 10 A                           | 14                | -                             |

|  <b>UL Recognized</b><br>Approval ID: E335019-20141210 |                                |                                |                   |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                                         | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                                   |                                |                                |                   |                               |
|                                                                                                                                         | 48 V                           | 17 A                           | 14                | -                             |

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## Classifications

### ECLASS

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

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | 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                                | 02f27de7-d94b-4674-a6fd-b77c02a02634 |

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