

# CA-09S1N12T006S - Cable connector



1619416

<https://www.phoenixcontact.com/us/products/1619416>

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, application: Signal, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Solder 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 6-pos. product version

## 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
- Solder connection: proven connection technology for various litz wires

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1619416                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB31                           |
| Product key                          | ABRAED                         |
| GTIN                                 | 4046356824316                  |
| Weight per piece (including packing) | 191.7 g                        |
| Weight per piece (excluding packing) | 184.857 g                      |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

# CA-09S1N12T006S - Cable connector



1619416

<https://www.phoenixcontact.com/us/products/1619416>

## Technical data

### Product properties

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

### Connector

#### Connection 1

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

#### Insulating body

|   |  |
|---|--|
| Coding  | N  |
| Material (Insulating body)                      | PBT                                      |
| Material (Contact)                              | CuZn                                     |
| Material (Contact surface)                      | Ni/Au                                    |
| Insertion/withdrawal cycles                     | 100                                      |
| Connection method                               | Solder connection                        |
| Contact switching type                          | Socket                                   |
| Application                                     | Signal                                   |
| Number of positions                             | 9  |
| Direction of rotation                           | Standard                                 |
| Connection profile                              | 8+1                                      |
| Number (Contact group 1)                        | 1  |
| Contact diameter (Contact group 1)              | 2 mm                                     |
| Litz wires Max. cross section (Contact group 1) | 2.5 mm <sup>2</sup>                      |
| Rated current Contact (Contact group 1)         | 20 A (for max. connection cross section) |
| Rated voltage Contact (Contact group 1)         | 48 V AC<br>74 V DC                       |
| Rated surge voltage                             | 1.5 kV                                   |
| Overvoltage category                            | III                                      |
| Degree of pollution                             | 3  |
| Number (Contact group 2)                        | 8  |
| Contact diameter (Contact group 2)              | 1 mm                                     |
| Litz wires Max. cross section (Contact group 2) | 1 mm <sup>2</sup>                        |
| Rated current Contact (Contact group 2)         | 8 A                                      |

#### Housing

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

# CA-09S1N12T006S - Cable connector



1619416

<https://www.phoenixcontact.com/us/products/1619416>

## Seal

|                         |               |
|-------------------------|---------------|
| External cable diameter | 4 mm ... 6 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-09S1N12T006S - Cable connector



1619416

<https://www.phoenixcontact.com/us/products/1619416>

## Drawings

Schematic diagram



Connector pin assignment

# CA-09S1N12T006S - Cable connector



1619416

<https://www.phoenixcontact.com/us/products/1619416>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619416>

|  <b>cUL Recognized</b><br>Approval ID: E335019-20141210 |                       |                       |                   |                      |
|--|-----------------------|-----------------------|-------------------|----------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
| keine  |                       |                       |                   |                      |
| Power  | 48 V                  | 12 A                  | 14                | -                    |
| Signal   | 48 V                  | 6 A                   | 18                | -                    |

|  <b>UL Recognized</b><br>Approval ID: E335019-20141210 |                       |                       |                   |                      |
|---|-----------------------|-----------------------|-------------------|----------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
| keine   |                       |                       |                   |                      |
| Power   | 48 V                  | 20 A                  | 14                | -                    |
| Signal  | 48 V                  | 8 A                   | 18                | -                    |

# CA-09S1N12T006S - Cable connector



1619416

<https://www.phoenixcontact.com/us/products/1619416>

## Classifications

### ECLASS

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

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002635 |
|-----------|----------|

### UNSPSC

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

# CA-09S1N12T006S - Cable connector



1619416

<https://www.phoenixcontact.com/us/products/1619416>

## 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                                | c77bc113-3042-41ba-a66a-b5c6728aa179 |

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)