

# CA-12S1N8AT006S - Cable connector



1619410  
<https://www.phoenixcontact.com/gb/products/1619410>

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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: 4 mm ... 6 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243528



## 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                          | 1619410                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | ABRAED                         |
| Product key                          | ABRAED                         |
| Catalog page                         | Page 90 (C-2-2019)             |
| GTIN                                 | 4046356824378                  |
| Weight per piece (including packing) | 189.4 g                        |
| Weight per piece (excluding packing) | 189.4 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Technical data

### Notes

|                    |                                           |
|--------------------|-------------------------------------------|
| Order information: | Order 12 x 1 mm crimp contacts separately |
|--------------------|-------------------------------------------|

### Product properties

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

### Data management status

|                  |    |
|------------------|----|
| Article revision | 06 |
|------------------|----|

### 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                             | 1 mm                                                      |
| Signal contacts                              |                                                           |
| Litz wire cross-section Signal contacts min. | 0.08 mm <sup>2</sup>                                      |
| Litz wire cross-section Signal contacts max. | 1 mm <sup>2</sup>                                         |
| Nominal current per signal contact           | 8 A                                                       |
| Rated voltage Signal contact                 | 48 V AC                                                   |
| Rated surge voltage                          | 1.5 kV                                                    |
| Overvoltage 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 | 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 |
| Ambient temperature (storage/transport)  | 15 °C ... 25 °C   |
| Permissible humidity (storage/transport) | 50 % ... 65 %     |

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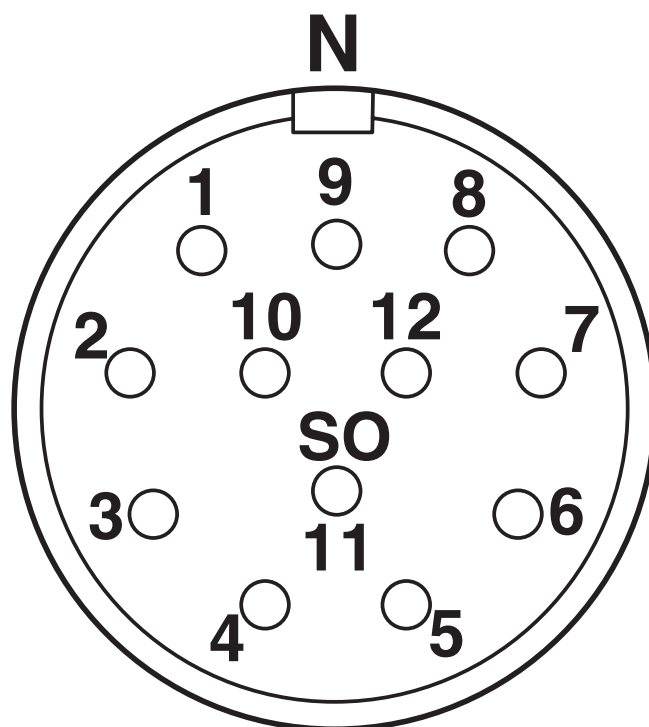


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## Drawings

Schematic diagram



Connector pin assignment

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1619410>

|                                                                                                                                          |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <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                  | 4 A                   | 20 - 20           | -                           |

|                                                                                                                                         |                       |                       |                   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <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                  | 6 A                   | 20 - 20           | -                           |

|                         |  |  |  |  |
|-------------------------|--|--|--|--|
| <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                                | c5e242ac-4bba-48af-8acc-6cf0644a888f |

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