

# CA-12S1N12T007S - Cable connector

1619386

<https://www.phoenixcontact.com/be/products/1619386>



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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, Solder connection, cable diameter range: 6 mm ... 10 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243504



## 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                          | 1619386                        |
| 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                                 | 4046356824613                  |
| Weight per piece (including packing) | 198,9 g                        |
| Weight per piece (excluding packing) | 198,9 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 | 07 |
|------------------|----|

### 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                | 12                   |
| Direction of rotation              | Standard             |
| Connection profile                 | 12                   |
| Rated voltage                      | 48 V AC              |
|                                    | 74 V DC              |
| Rated surge voltage                | 1.5 kV               |
| Oversupply category                | III                  |
| Degree of pollution                | 3                    |
| Contact diameter                   | Signal contacts      |
| Litz wire cross-section            | Signal contacts max. |
| Nominal current per signal contact | 1 mm <sup>2</sup>    |
|                                    | 8 A                  |

#### Housing

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

#### Seal

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|                         |                |
|-------------------------|----------------|
| External cable diameter | 6 mm ... 10 mm |
| Seal material           | NBR            |

## 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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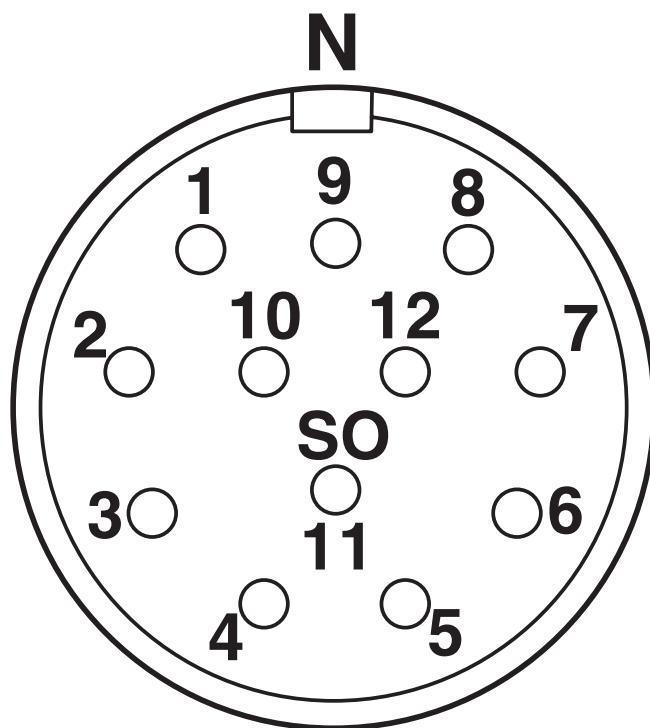
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## Drawings

Schematic diagram



Connector pin assignment

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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/be/products/1619386>

| cUL Recognized                |                       |                       |                   |                      |
|-------------------------------|-----------------------|-----------------------|-------------------|----------------------|
| Approval ID: E335019-20141210 |                       |                       |                   |                      |
|                               | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|                               | 48 V                  | 6 A                   | 18 - 18           | -                    |

| UL Recognized                 |                       |                       |                   |                      |
|-------------------------------|-----------------------|-----------------------|-------------------|----------------------|
| Approval ID: E335019-20141210 |                       |                       |                   |                      |
|                               | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|                               | 48 V                  | 8 A                   | 18 - 18           | -                    |

cULus Recognized

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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                                | 98a00a31-a579-4102-86ac-6f8ac5c41c8d |

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## Accessories

### SF-Z0028 - Torque screwdriver

1607456

<https://www.phoenixcontact.com/be/products/1607456>

Torque screwdriver, series: RC, UC, SH, SF



### SF-Z0027 - Hook wrench

1607455

<https://www.phoenixcontact.com/be/products/1607455>

Hook wrench, series: RC, UC, RF, SF



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## RF-Z0014 - Color coding

1620588

<https://www.phoenixcontact.com/be/products/1620588>

Color coding, color: green



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## RF-Z0015 - Color coding

1620592

<https://www.phoenixcontact.com/be/products/1620592>

Color coding, color: orange



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## RF-Z0016 - Color coding

1620593

<https://www.phoenixcontact.com/be/products/1620593>

Color coding, color: black



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## PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

<https://www.phoenixcontact.com/be/products/1577206>

Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM



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