

# CA-12S1NC22S00 - Device connector front mounting



1619910

<https://www.phoenixcontact.com/us/products/1619910>

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M23, Device connector front mounting, application: Signal, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Solder-in connection, Flat gasket, flange dimensions: 25 mm x 25 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.

## Your advantages

- Safe use in the field, thanks to high degree of protection
- Consistent EMC protection for reliable transmission of signals
- Easy device integration: solder-in contacts available in different lengths

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1619910       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB31          |
| Product key                          | ABRAEL        |
| GTIN                                 | 4046356820578 |
| Weight per piece (including packing) | 31.4 g        |
| Weight per piece (excluding packing) | 24.509 g      |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|              |                                   |
|--------------|-----------------------------------|
| Product type | Circular connectors (device side) |
|--------------|-----------------------------------|

### Dimensions

|                          |         |
|--------------------------|---------|
| Length of the solder pin | 17.5 mm |
|                          | 17.5 mm |

### Connector

#### Insulating body

|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| Coding                                  | N                                       |
| Material (Insulating body)              | PBT                                     |
| Material (Contact)                      | CuZn                                    |
| Material (Contact surface)              | Ni/Au                                   |
| Connection method                       | Solder-in connection                    |
| Contact switching type                  | Socket                                  |
| Application                             | Signal                                  |
| Number of positions                     | 12                                      |
| Direction of rotation                   | Standard                                |
| Connection profile                      | 12                                      |
| Number (Contact group 1)                | 12                                      |
| Contact diameter (Contact group 1)      | 1 mm                                    |
| Rated current Contact (Contact group 1) | 8 A (for max. connection cross section) |
| Rated voltage Contact (Contact group 1) | 48 V AC                                 |
|                                         | 74 V DC                                 |
| Rated surge voltage                     | 1.5 kV                                  |
| Overvoltage category                    | III                                     |
| Degree of pollution                     | 3                                       |

#### Housing

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Type                              | Flange housing                             |
| Thread type                       | M23                                        |
| Design                            | straight                                   |
| Type of locking                   | for standard and SPEEDCON interlock        |
| Pg screw connection               | none                                       |
| Mounting type                     | Front mounting/square flange (4x Ø 3.2 mm) |
| Flange dimensions                 | 25 mm x 25 mm                              |
| Material (Housing)                | GD-Zn                                      |
| Degree of protection (plugged in) | IP67                                       |
| Seal for the device               | Flat gasket                                |

### Environmental and real-life conditions

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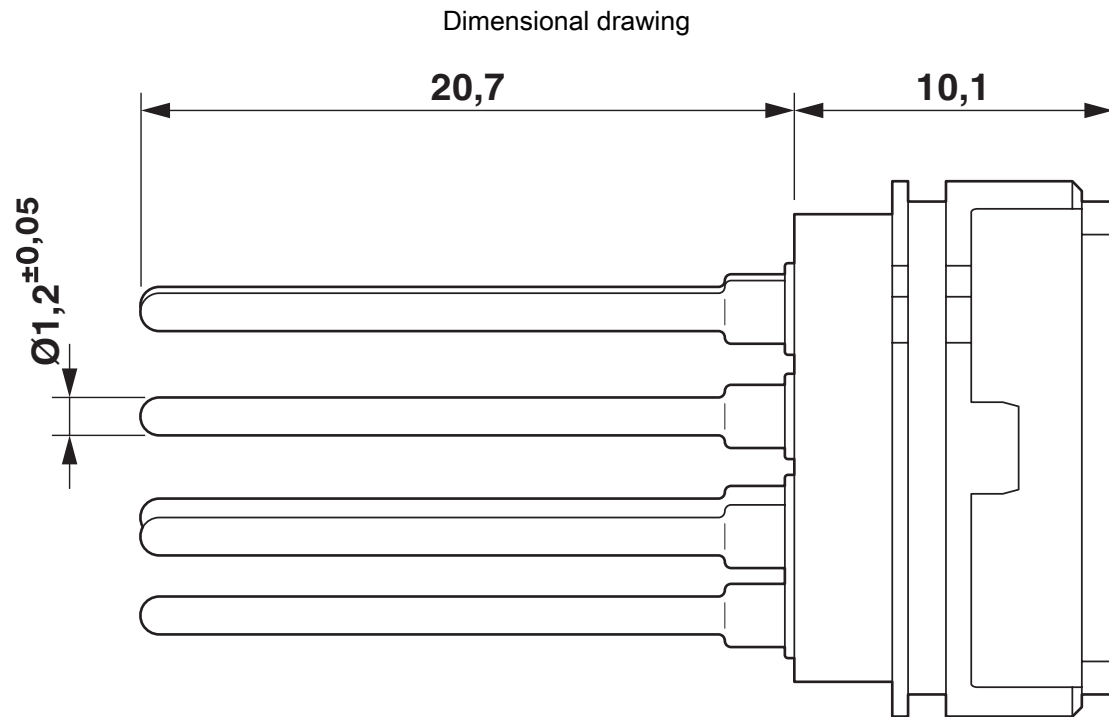
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## Ambient conditions

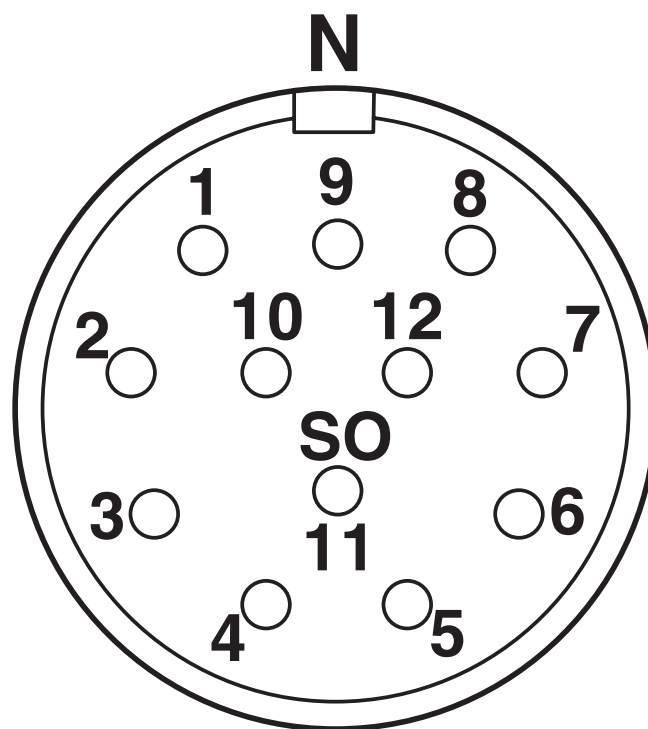
|                                 |                   |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

## Drawings



Dimensional drawing

Schematic diagram



Connector pin assignment

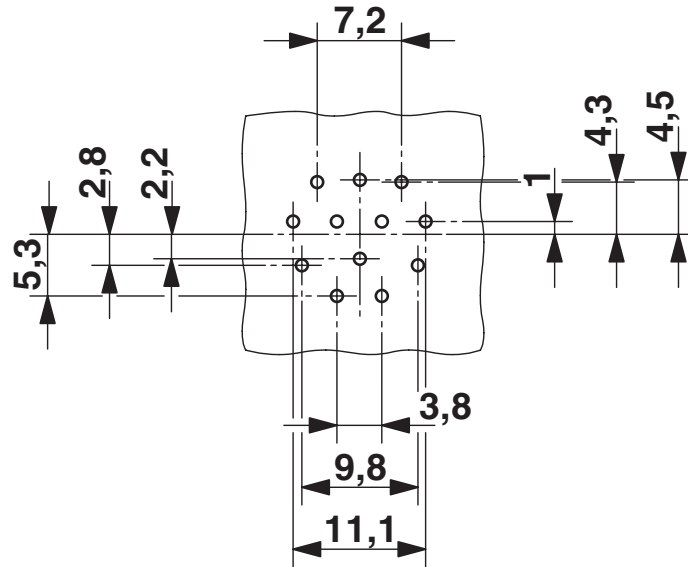
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### Drilling plan/solder pad geometry



12-pos.

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619910>

|  <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                           | 6 A                            | 18                | -                             |

|  <b>UL Recognized</b><br>Approval ID: E335019-20141210 |                                |                                |                   |                               |
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|                                                                                                                                         | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                                   |                                |                                |                   |                               |
|                                                                                                                                         | 48 V                           | 8 A                            | 18                | -                             |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440109 |
| ECLASS-15.0 | 27440109 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003569 |
|-----------|----------|

### 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                                | 094bd8c4-9836-4e52-ab3c-4f9945bf65ea |

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