

1619957  
<https://www.phoenixcontact.com/pc/products/1619957>

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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder connection, Flat gasket, 4x Ø 3.2, flange dimensions: 25 mm x 25 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243920

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
- Solder connection: proven connection technology for various litz wires

Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1619957             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Product key                          | ABRAEL              |
| Catalog page                         | Page 101 (C-2-2019) |
| GTIN                                 | 4046356820257       |
| Weight per piece (including packing) | 29.4 g              |
| Weight per piece (excluding packing) | 25 g                |
| Customs tariff number                | 85366990            |
| Country of origin                    | DE                  |

# CA-19S1N122S00 - Device connector front mounting



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## Technical data

### Product properties

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

### Connector

#### Insulating body

|                                                     |                   |
|-----------------------------------------------------|-------------------|
| Coding                                              | N                 |
| Insulation body material                            | PA 6.6            |
| 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                                 | 19                |
| Direction of rotation                               | Standard          |
| Connection profile                                  | 16+3              |
| Contact diameter <b>Power contacts</b>              | 1.5 mm            |
| Litz wire cross-section <b>Power contacts max.</b>  | 1 mm <sup>2</sup> |
| Rated current <b>Power contacts</b>                 | 10 A              |
| Rated voltage                                       | 48 V AC           |
|                                                     | 74 V DC           |
| Rated surge voltage                                 | 1.5 kV            |
| Overvoltage category                                | III               |
| Degree of pollution                                 | 3                 |
| Contact diameter <b>Signal contacts</b>             | 1 mm              |
| Litz wire cross-section <b>Signal contacts max.</b> | 1 mm <sup>2</sup> |
| Nominal current per signal contact                  | 8 A               |

#### Housing

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Housing material                  | GD-Zn                               |
| Flange dimensions                 | 25 mm x 25 mm                       |
| Type of locking                   | for standard and SPEEDCON interlock |
| Pg screw connection               | none                                |
| Degree of protection (plugged in) | IP67                                |
| Thread type                       | M23                                 |

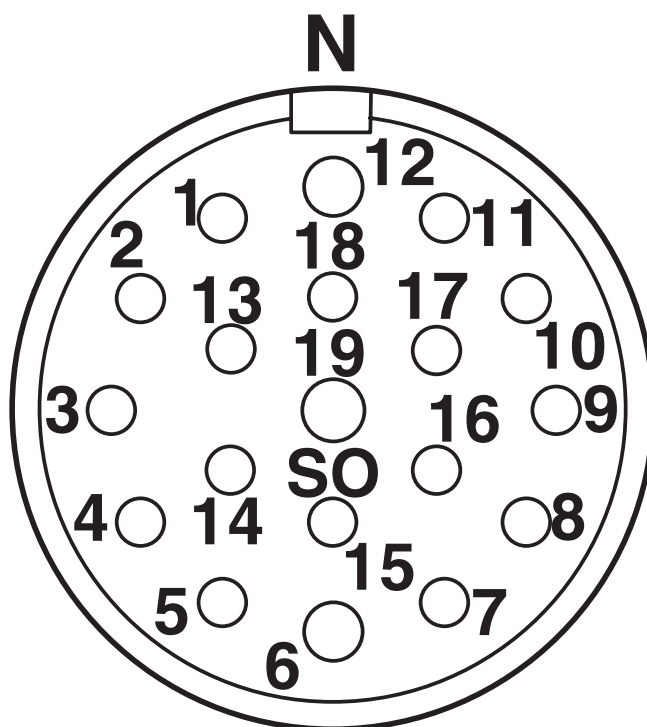
### Environmental and real-life conditions

#### Ambient conditions

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

## Drawings

Schematic diagram



Connector pin assignment

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1619957>

| <div> <b>cUL Recognized</b><br/>Approval ID: E335019-20141210</div> |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                                      | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Power                                                                                                                                                | 48 V                  | 6 A                   | 18 - 18           | -                           |
| Signal                                                                                                                                               | 48 V                  | 5 A                   | 18 - 18           | -                           |

| <div> <b>UL Recognized</b><br/>Approval ID: E335019-20141210</div> |                       |                       |                   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                                     | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Power                                                                                                                                               | 48 V                  | 10 A                  | 18 - 18           | -                           |
| Signal                                                                                                                                              | 48 V                  | 8 A                   | 18 - 18           | -                           |

|                         |  |  |  |  |
|-------------------------|--|--|--|--|
| <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 |
|-------------|----------|

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                                    | 2c0d09bc-6c66-4439-a951-907a8654bd91                                                                                                                                                                                              |