

# CA-16S1NC22S00 - Device connector front mounting



1619908

<https://www.phoenixcontact.com/us/products/1619908>

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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Socket, Solder-in 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.: 1243886

## 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                          | 1619908       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB33          |
| Product key                          | ABRAEL        |
| GTIN                                 | 4046356820592 |
| Weight per piece (including packing) | 34.6 g        |
| Weight per piece (excluding packing) | 34.6 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

#### Connection 1

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

#### Insulating body

|  |                      |
|--|----------------------|
| Coding                                 | N                    |
| Insulation body material               | PBT                  |
| Contact material                       | CuZn                 |
| Contact surface material               | Ni/Au                |
| Connection method                      | Solder-in connection |
| Contact switching type                 | Socket               |
| Application                            | Signal               |
| Number of positions                    | 16                   |
| Direction of rotation                  | Standard             |
| Connection profile                     | 16                   |
| Contact diameter <b>Power contacts</b> | 1 mm                 |
| Rated current <b>Power contacts</b>    | 8 A                  |
| Rated surge voltage                    | 1.5 kV               |
| Overvoltage category                   | III                  |
| Degree of pollution                    | 3                    |

#### 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 |
|---------------------------------|-------------------|

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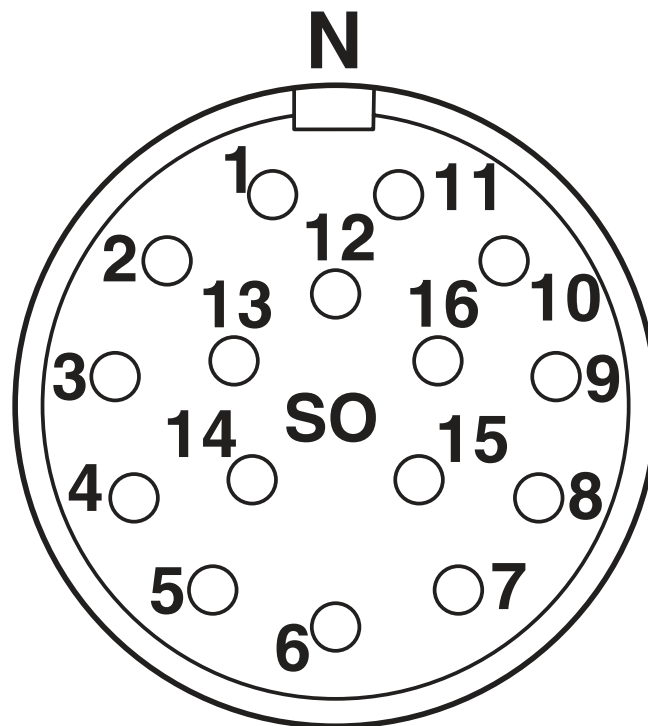


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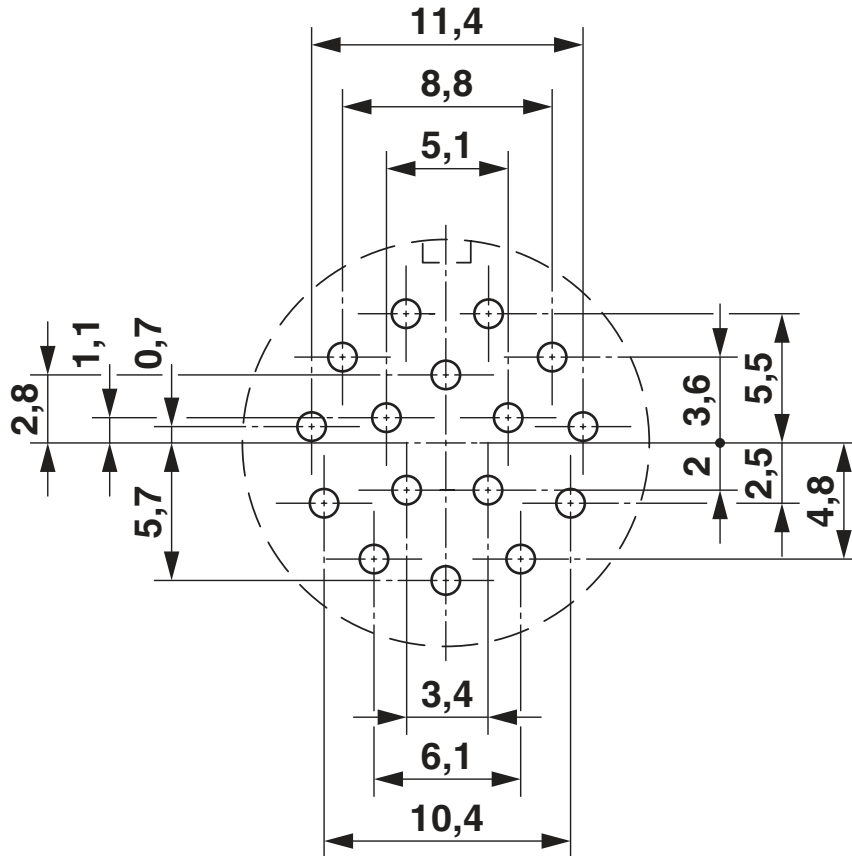
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## Drawings

Schematic diagram



Drilling plan/solder pad geometry



16-pos.

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619908>

|  <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                  | 5 A                   | - 18              | -                           |

|  <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                  | 8 A                   | - 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 8.0 | EC002635 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1   |
| China RoHS | Environmentally Friendly Use Period = 50 years   |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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## Accessories

### SF-Z0019 - Protective cap

1607449

<https://www.phoenixcontact.com/us/products/1607449>



Plastic protection cap, with eye, IP40 for connectors with M23 external thread, RF, SF series

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### RC-Z2059 - Protective cap

1604225

<https://www.phoenixcontact.com/us/products/1604225>



Plastic protection cap for connectors with M23 external thread



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## RC-Z2469 - Protective cap

1611797

<https://www.phoenixcontact.com/us/products/1611797>



Plastic protection cap, antistatic, for RF, SF, CA, RC series connectors, with M23 external thread

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## RC-Z2104 - Metal protective cap

1604260

<https://www.phoenixcontact.com/us/products/1604260>



Metal protective cap, M23, degree of protection: IP67, series: RC, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241739

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## RC-Z2068 - Metal protective cap

1604236

<https://www.phoenixcontact.com/us/products/1604236>

Metal protective cap, M23, degree of protection: IP67, series: RC, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241735



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## CA-Z0120 - Color-coding

1620704

<https://www.phoenixcontact.com/us/products/1620704>

Color-coding, color: green



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## CA-Z0121 - Color-coding

1620705

<https://www.phoenixcontact.com/us/products/1620705>

Color-coding, color: orange



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## CA-Z0122 - Color-coding

1620706

<https://www.phoenixcontact.com/us/products/1620706>

Color-coding, color: black



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## CA-Z0001 - Contact removal tool

1620699

<https://www.phoenixcontact.com/us/products/1620699>



Unlocking tool for contact carriers for snapping in the M23 signal device connectors

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