# CA-16P1NA22S00 - Device connector front mounting

1619919

https://www.phoenixcontact.com/us/products/1619919

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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: Pin, 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.: 1243897

## 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 | 1619919 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB33 |
| Product key | ABRAEL |
| GTIN | 4046356820486 |
| Weight per piece (including packing) | 35.9 g |
| Weight per piece (excluding packing) | 34.8 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

# Technical data

## Product properties

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

## Dimensions

| | |
|---|---|
| Length of the solder pin | 10 mm |
| | 10 mm |

## Connector

### Insulating body

| | |
|---|---|
| Coding | N |
| Insulation body material | PBT |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Connection method | Solder-in connection |
| Contact switching type | Pin |
| Application | Signal |
| Number of positions | 16 |
| Direction of rotation | Standard |
| Connection profile | 16 |
| Contact diameter Power contacts | 1 mm |
| Rated current Power contacts | 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 |

## Drawings

Drilling plan/solder pad geometry



16-pos.

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Schematic diagram
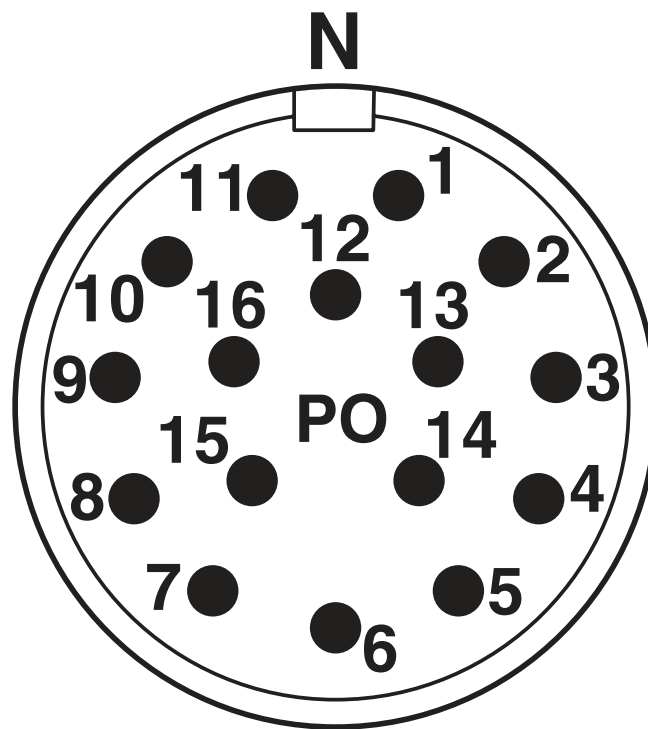
## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619919

### cUL Recognized
Approval ID: E335019-20141210

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| | 48 V | 5 A | - 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 | - |

### cULus Recognized

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

### ETIM

| | |
|---|---|
| ETIM 8.0 | EC002635 |

### UNSPSC

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

## 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" |

## 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

### RC-Z2059 - Protective cap

1604225

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

Plastic protection cap for connectors with M23 external thread

## 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

## 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

## CA-Z0120 - Color-coding

1620704

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

Color-coding, color: green

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https://www.phoenixcontact.com/us/products/1619919

## CA-Z0121 - Color-coding

1620705

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

Color-coding, color: orange

## CA-Z0122 - Color-coding

1620706

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

Color-coding, color: black

## 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