# CA-16P1N222S00 - Device connector front mounting

1619934

https://www.phoenixcontact.com/us/products/1619934

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The figure shows the 12-pos. product version

M23, Device connector front mounting, application: Signal, 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, flange dimensions: 25 mm x 25 mm, coding: N, this item is expected to be lead-free from Q4 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance. 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 | 1619934 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAEL |
| GTIN | 4046356820363 |
| Weight per piece (including packing) | 25.591 g |
| Weight per piece (excluding packing) | 25.469 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 | 3.5 mm |
| | 3.5 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 | Pin |
| Application | Signal |
| Number of positions | 16 |
| Direction of rotation | Standard |
| Connection profile | 16 |
| Number (Contact group 1) | 16 |
| 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 |

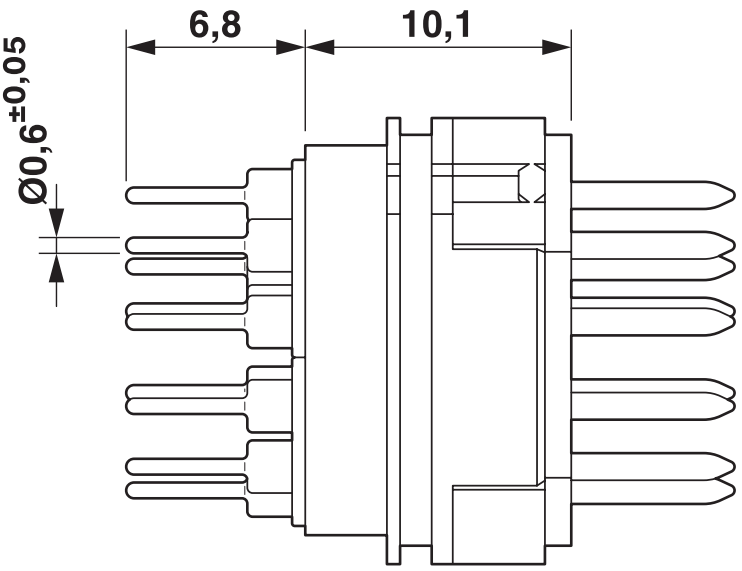
### Environmental and real-life conditions

Ambient conditions

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

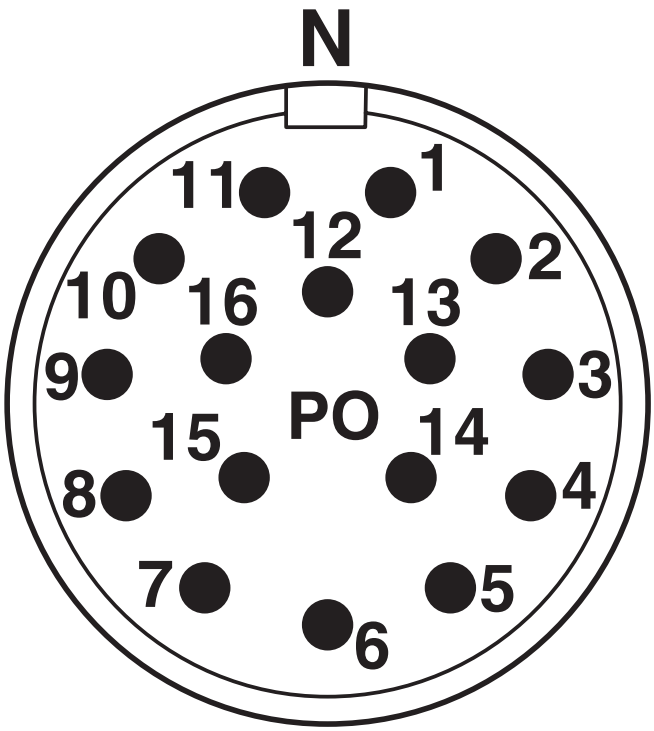
## Drawings

Dimensional drawing



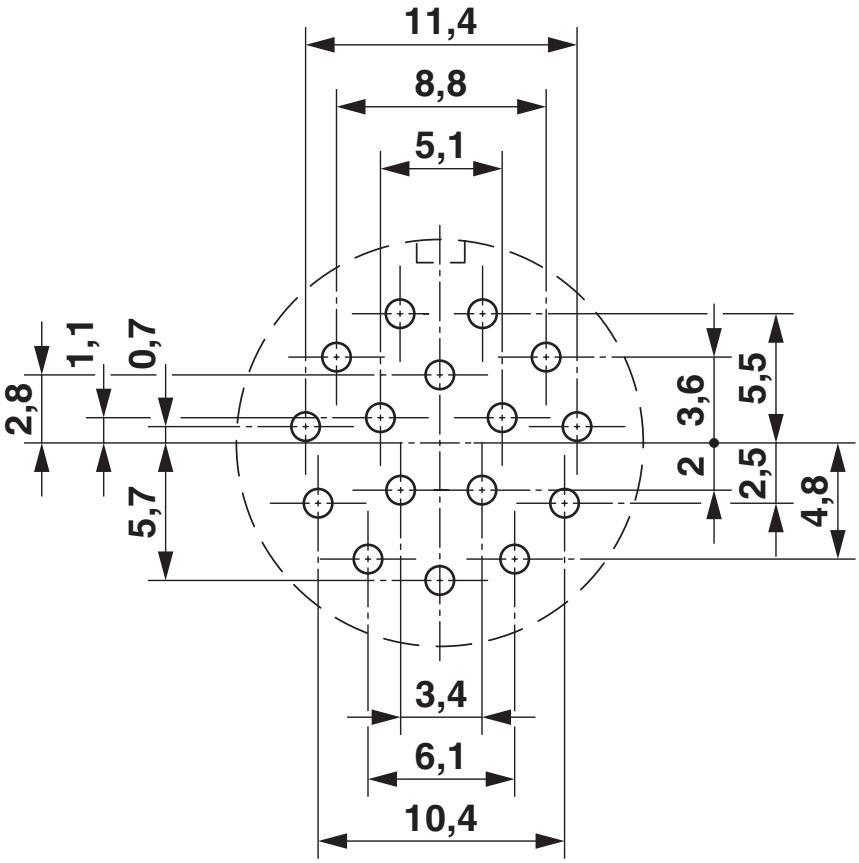

Dimensional drawing

Schematic diagram




Connector pin assignment

Drilling plan/solder pad geometry




16-pos.

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619934

**cUL Recognized**
Approval ID: E335019-20141210

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 48 V | 5 A | 18 | - |

**UL Recognized**
Approval ID: E335019-20141210

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 48 V | 8 A | 18 | - |

## Classifications

### ECLASS

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

### ETIM

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

### 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 | 11077798-af9c-4566-8e9c-db970776ef0a |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