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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, 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 | 1619948 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAEL |
| GTIN | 4046356820349 |
| Weight per piece (including packing) | 30.9 g |
| Weight per piece (excluding packing) | 23.939 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

CA-12P1N222S00 - Device connector front mounting



1619948

<https://www.phoenixcontact.com/us/products/1619948>

Technical data

Product properties

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

Dimensions

| | |
|--------------------------|--------|
| Dimensional drawing | |
| Length of the solder pin | 3.5 mm |

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 | 12 |
| Direction of rotation | Standard |
| Connection profile | 12 |
| Number Contact (Contact group 1) | 12 |
| Diameter Contact (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 |
| Overshoot 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 |

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| | |
|-----------------------------------|-------------|
| 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 |
|---------------------------------|-------------------|

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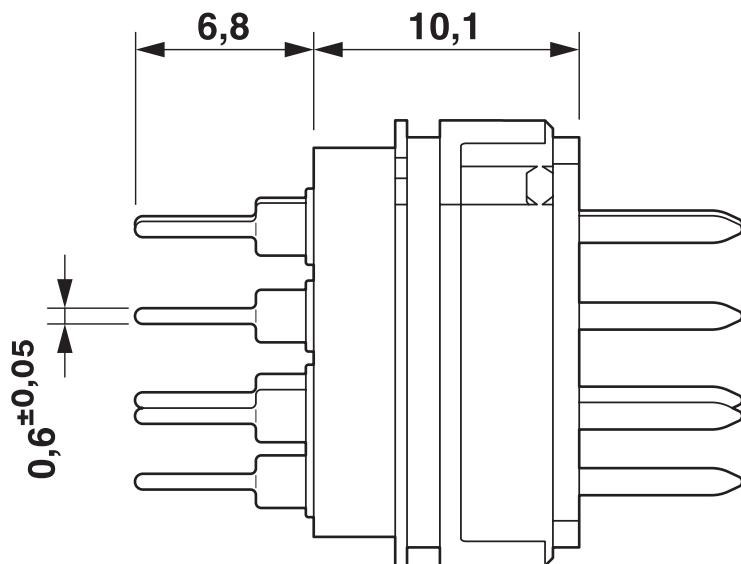
1619948

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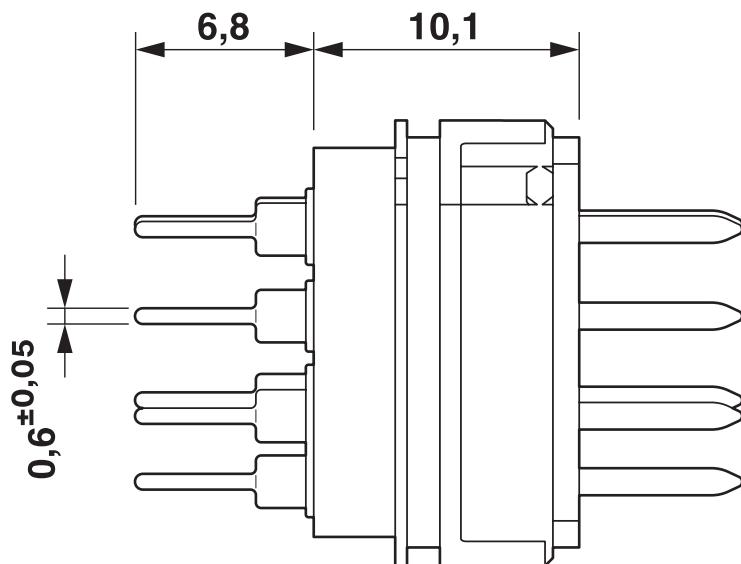
Drawings

Dimensional drawing



Dimensional drawing

Dimensional drawing



Dimensional drawing

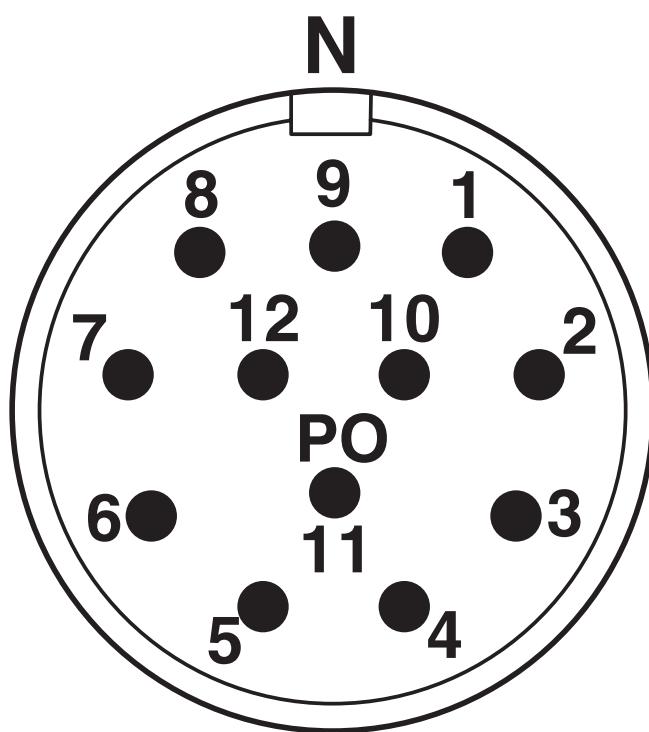
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Schematic diagram



Connector pin assignment

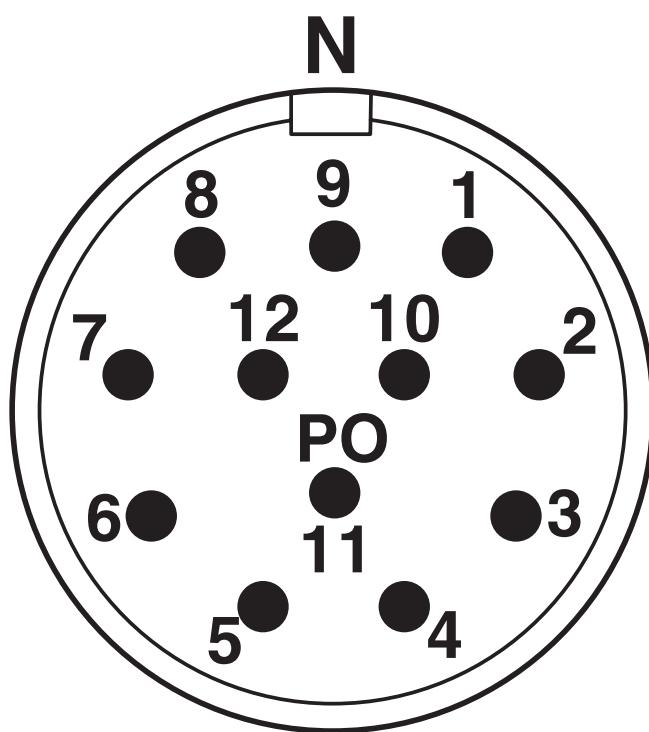
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Schematic diagram



Connector pin assignment

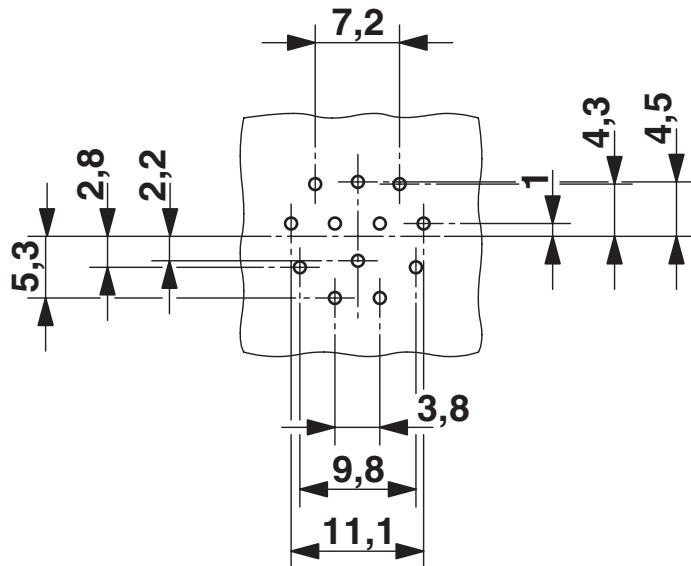
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Drilling plan/solder pad geometry



12-pos.

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Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619948>

| cUL Recognized Approval ID: E335019-20141210 | | | | |
|--|-----------------------|-----------------------|-------------------|----------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | 48 V | 6 A | 18 | - |

| UL Recognized Approval ID: E335019-20141210 | | | | |
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| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
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Classifications

ECLASS

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

ETIM

| | |
|----------|----------|
| ETIM 9.0 | 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 | c8c99fba-c4ca-414b-a2b0-216f1ce0828d |

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