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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Pin, 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.: 1243931

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                          | 1619992             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | AB31                |
| Product key                          | ABRAEL              |
| Catalog page                         | Page 100 (C-2-2019) |
| GTIN                                 | 4046356820028       |
| Weight per piece (including packing) | 31.8 g              |
| Weight per piece (excluding packing) | 28.2 g              |
| Customs tariff number                | 85366990            |
| Country of origin                    | DE                  |

# CA-06P1N122S00 - Device connector front mounting



1619992

<https://www.phoenixcontact.com/us/products/1619992>

## Technical data

### Product properties

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

### Connector

#### Insulating body

|                                                     |                     |
|-----------------------------------------------------|---------------------|
| Coding                                              | N                   |
| Insulation body material                            | PBT                 |
| Contact material                                    | CuZn                |
| Contact surface material                            | Ni/Au               |
| Insertion/withdrawal cycles                         | 100                 |
| Connection method                                   | Solder connection   |
| Contact switching type                              | Pin                 |
| Application                                         | Signal              |
| Number of positions                                 | 6                   |
| Direction of rotation                               | Standard            |
| Connection profile                                  | 6                   |
| 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>             | 2 mm                |
| Litz wire cross-section <b>Signal contacts</b> max. | 2.5 mm <sup>2</sup> |
| Nominal current per signal contact                  | 20 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 |
|---------------------------------|-------------------|

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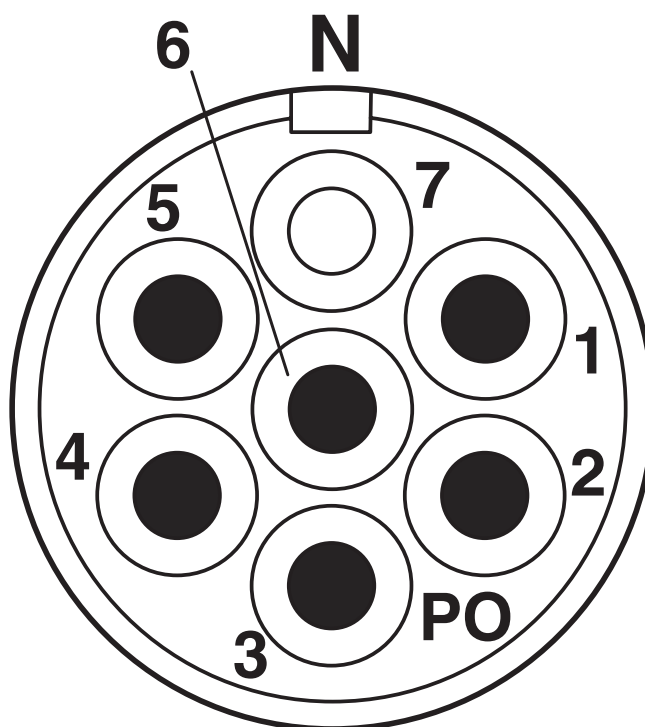
1619992

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## Drawings

Schematic diagram



Connector pin assignment

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619992>

|                                                                                                                                                      |                                |                                |                   |                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
| <div> <b>cUL Recognized</b><br/>Approval ID: E335019-20141210</div> |                                |                                |                   |                               |
|                                                                                                                                                      | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
|                                                                                                                                                      | 48 V                           | 10 A                           | - 14              | -                             |

|                                                                                                                                                     |                                |                                |                   |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
| <div> <b>UL Recognized</b><br/>Approval ID: E335019-20141210</div> |                                |                                |                   |                               |
|                                                                                                                                                     | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
|                                                                                                                                                     | 48 V                           | 20 A                           | - 14              | -                             |

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

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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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