

1619880

<https://www.phoenixcontact.com/us/products/1619880>

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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, Axial seal, 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
- Connector for flexible on-site assembly
- Consistent EMC protection for reliable transmission of signals
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1619880                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB31                           |
| Product key                          | ABRAEL                         |
| GTIN                                 | 4046356820868                  |
| Weight per piece (including packing) | 22.7 g                         |
| Weight per piece (excluding packing) | 19.575 g                       |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

# CA-17P1N8A6Z00 - Device connector front mounting



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## Technical data

### Notes

|                    |                                           |
|--------------------|-------------------------------------------|
| Order information: | Order 17 x 1 mm crimp contacts separately |
|--------------------|-------------------------------------------|

### Product properties

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

### Connector

#### Insulating body

|                                                        |                                                           |
|--------------------------------------------------------|-----------------------------------------------------------|
| Note                                                   | Order information: Order crimp contacts Ø 1 mm separately |
| Coding                                                 | N                                                         |
| Material (Insulating body)                             | PA 6.6                                                    |
| Connection method                                      | Crimp connection                                          |
| Contact switching type                                 | Pin                                                       |
| Application                                            | Signal                                                    |
| Number of positions                                    | 17                                                        |
| Direction of rotation                                  | Standard                                                  |
| Connection profile                                     | 17                                                        |
| Number Contact (Signal contacts)                       | 17                                                        |
| Diameter Contact (Signal contacts)                     | 1 mm                                                      |
| Litz wire cross-section min. Contact (Signal contacts) | 0.08 mm <sup>2</sup>                                      |
| Litz wire cross-section max. Contact (Signal contacts) | 1 mm <sup>2</sup>                                         |
| Rated current Contact (Signal contacts)                | 8 A (for max. connection cross section)                   |
| Rated voltage Contact (Signal contacts)                | 48 V AC                                                   |
|                                                        | 74 V DC                                                   |
| Rated surge voltage                                    | 1.5 kV                                                    |
| Overvoltage category                                   | III                                                       |
| Degree of pollution                                    | 3                                                         |

#### Housing

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Order information:                | If necessary, order locking nut separately |
| Thread type                       | M23                                        |
| Design                            | straight                                   |
| Type of locking                   | for standard and SPEEDCON interlock        |
| Pg screw connection               | none                                       |
| Mounting type                     | Front mounting (Pg13,5)                    |
| Assembly note                     | Central fastening                          |
| Housing material                  | CuZn                                       |
| Degree of protection (plugged in) | IP67                                       |
| Seal for the device               | Axial seal                                 |

### Environmental and real-life conditions

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## Ambient conditions

|                                          |                   |
|------------------------------------------|-------------------|
| Ambient temperature (operation)          | -40 °C ... 125 °C |
| Permissible humidity (storage/transport) | 50 % ... 65 %     |

# CA-17P1N8A6Z00 - Device connector front mounting

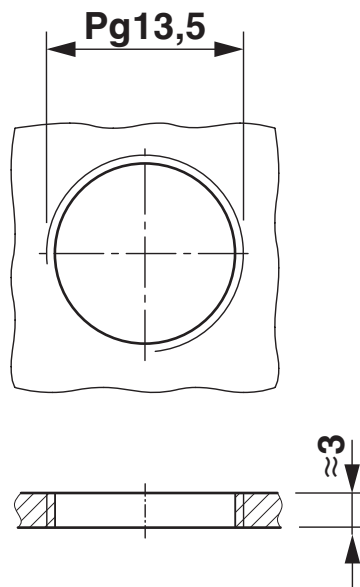
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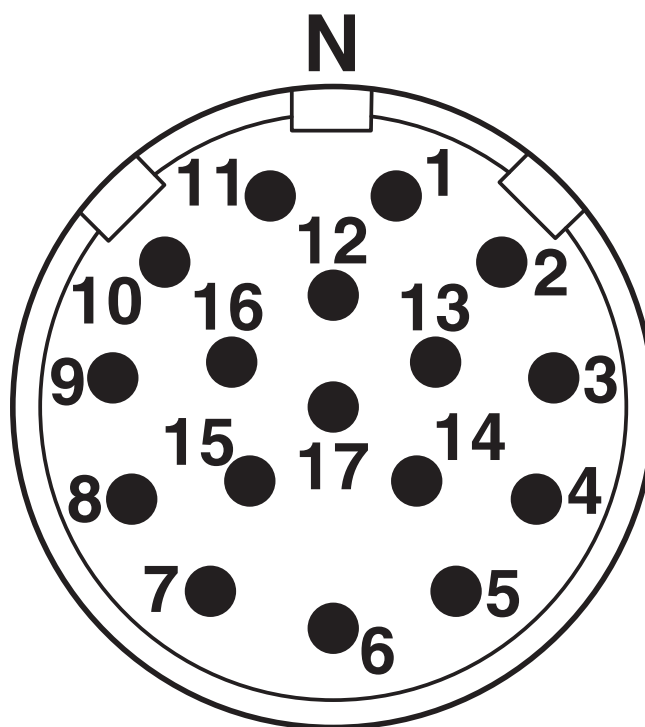
## Drawings

Dimensional drawing



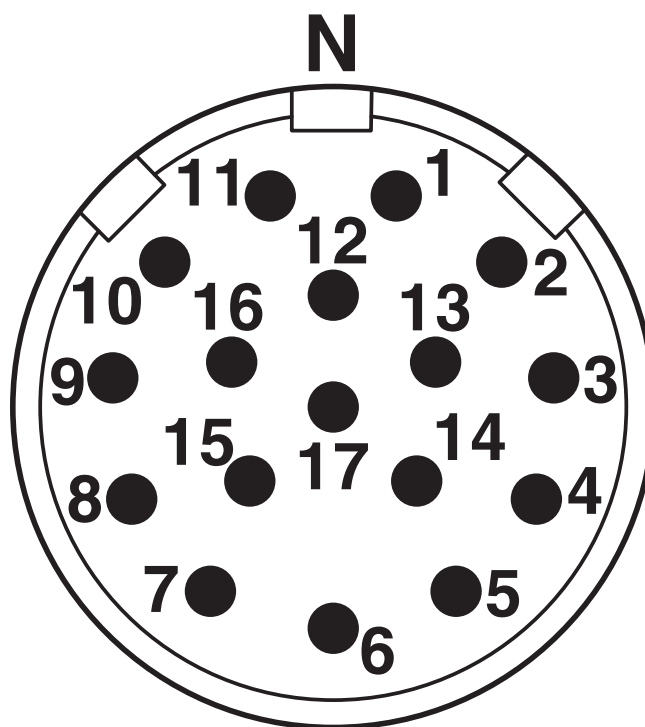
Installation dimensions

Schematic diagram



Connector pin assignment

Schematic diagram



Connector pin assignment

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## Approvals

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|  <b>cUL Recognized</b><br>Approval ID: E335019-20141210 |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                          | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                                    |                       |                       |                   |                             |
|                                                                                                                                          | 48 V                  | 3 A                   | 20                | -                           |

|  <b>UL Recognized</b><br>Approval ID: E335019-20141210 |                       |                       |                   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                         | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                                   |                       |                       |                   |                             |
|                                                                                                                                         | 48 V                  | 5 A                   | 20                | -                           |

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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, No exemptions                       |
| China RoHS                              |                                          |
| Environment friendly use period (EFUP)  | EFUP-E                                   |
|                                         | No hazardous substances above the limits |
| EU REACH SVHC                           |                                          |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%               |

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