

# CA-07P1N8AHZ00 - Device connector rear mounting



1619844

<https://www.phoenixcontact.com/us/products/1619844>

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The figure shows the 12-pos. product version with solder contacts

M23, Device connector rear mounting, application: Signal, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 7, 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
- Application-specific panel mounting optionally with thread or anti-rotation protection and lock nut

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1619844       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB31          |
| Product key                          | ABRAER        |
| GTIN                                 | 4046356821223 |
| Weight per piece (including packing) | 44 g          |
| Weight per piece (excluding packing) | 40.729 g      |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

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

### Connector

#### Insulating body

|   |   |
|---|---|
| Note  | Order information: Order 7 x Ø 2 mm crimp contacts separately |
| Coding  | N   |
| Material (Insulating body)                      | PA 6.6  |
| Connection method                               | Crimp connection  |
| Contact switching type                          | Pin   |
| Application                                     | Signal  |
| Number of positions                             | 7   |
| Direction of rotation                           | Standard  |
| Connection profile                              | 7   |
| Number (Signal contacts)                        | 7   |
| Contact diameter (Signal contacts)              | 2 mm  |
| Litz wires Min. cross section (Signal contacts) | 1 mm <sup>2</sup>   |
| Litz wires Max. cross section (Signal contacts) | 2.5 mm <sup>2</sup>   |
| Rated current Contact (Signal contacts)         | 20 A (for max. connection cross section)                      |
| Rated voltage Contact (Signal contacts)         | 48 V AC<br>74 V DC  |
| Rated surge voltage                             | 1.5 kV  |
| Overvoltage category                            | III   |
| Degree of pollution                             | 3   |

#### Housing

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Type                              | Feed-through header                  |
| Thread type                       | M23                                  |
| Design                            | straight                             |
| Type of locking                   | for standard and SPEEDCON interlock  |
| Pg screw connection               | none                                 |
| Mounting type                     | Rear wall/screw mounting (M25 x 1,5) |
| Assembly note                     | Central fastening                    |
| Material (Housing)                | GD-Zn                                |
| Material (Rotating parts)         | CuZn                                 |
| Degree of protection (plugged in) | IP67                                 |
| Seal for the device               | Axial seal                           |

### Environmental and real-life conditions

#### Ambient conditions

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

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|  |
|--|
| Permissible humidity (storage/transport) |
|--|

|               |
|---------------|
| 50 % ... 65 % |
|---------------|

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## Drawings

Schematic diagram



Connector pin assignment

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619844>

|  <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                  | 10 A                  | 14                | -                           |

|  <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                  | 17 A                  | 14                | -                           |

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## Classifications

### ECLASS

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

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | 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                                | d232a8ee-7746-4ba0-bbb1-2df26e18a604 |

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