

# CA-06P1N8AT008 - Cable connector



1620209  
<https://www.phoenixcontact.com/us/products/1620209>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



The figure shows the product version with solder contacts

M23, Cable connector, application: Signal, series: CA, angled, shielded: yes, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 10 mm ... 14.5 mm, coding: N, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## Your advantages

- Angled cable outlet for confined spaces
- Can be adapted to various applications, thanks to adjustable cable outlet direction
- 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                          | 1620209                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB31                           |
| Product key                          | ABRAEC                         |
| GTIN                                 | 4046356818506                  |
| Weight per piece (including packing) | 186.3 g                        |
| Weight per piece (excluding packing) | 178.987 g                      |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

# CA-06P1N8AT008 - Cable connector



1620209

<https://www.phoenixcontact.com/us/products/1620209>

## Technical data

### Notes

|                    |                                            |
|--------------------|--------------------------------------------|
| Order information: | Order crimp contacts 6 x Ø 2 mm separately |
|--------------------|--------------------------------------------|

### Product properties

|              |                                 |
|--------------|---------------------------------|
| Product type | Circular connector (cable-side) |
|--------------|---------------------------------|

### Connector

#### Insulating body

|                                                 |                                                               |
|-------------------------------------------------|---------------------------------------------------------------|
| Note                                            | Order information: Order crimp contacts 6 x Ø 2 mm separately |
| Coding                                          | N                                                             |
| Material (Insulating body)                      | PA 6.6                                                        |
| Connection method                               | Crimp connection                                              |
| Contact switching type                          | Pin                                                           |
| Application                                     | Signal                                                        |
| Number of positions                             | 6                                                             |
| Direction of rotation                           | Standard                                                      |
| Connection profile                              | 6                                                             |
| Number (Signal contacts)                        | 6                                                             |
| 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                                                       |
|                                                 | 74 V DC                                                       |
| Rated surge voltage                             | 1.5 kV                                                        |
| Overvoltage category                            | III                                                           |
| Degree of pollution                             | 3                                                             |

#### Housing

|                                   |                         |
|-----------------------------------|-------------------------|
| Type                              | Cable connector housing |
| Thread type                       | M23                     |
| Design                            | angled                  |
| Type of locking                   | Screw locking mechanism |
| Pg screw connection               | none                    |
| Material (Housing)                | CuZn (Rotating parts)   |
|                                   | GD-Zn (Die-cast parts)  |
| Material (Screw connection)       | CuZn                    |
| Degree of protection (plugged in) | IP67                    |

#### Seal

|                         |                   |
|-------------------------|-------------------|
| External cable diameter | 10 mm ... 14.5 mm |
| Seal material           | NBR               |

# CA-06P1N8AT008 - Cable connector



1620209

<https://www.phoenixcontact.com/us/products/1620209>

## Environmental and real-life conditions

### Ambient conditions

|                                 |
|---------------------------------|
| Ambient temperature (operation) |
|---------------------------------|

|                   |
|-------------------|
| -40 °C ... 125 °C |
|-------------------|

# CA-06P1N8AT008 - Cable connector

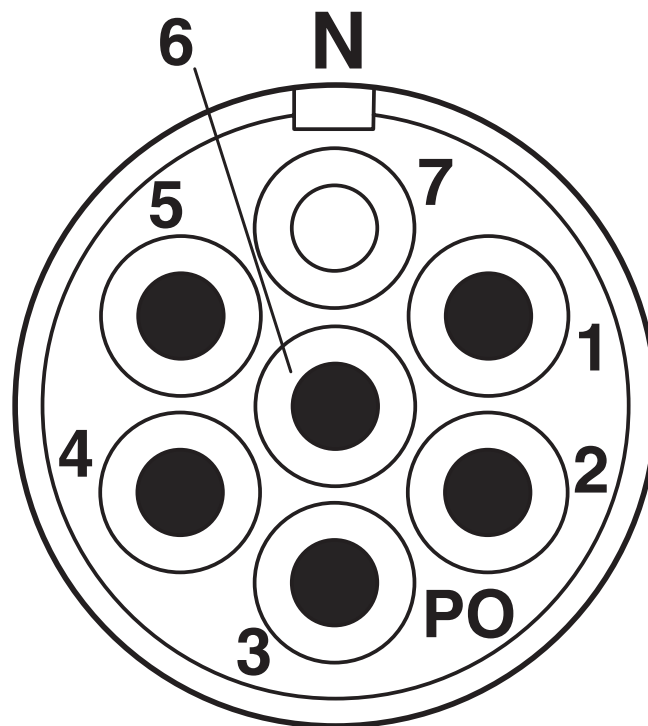
1620209

<https://www.phoenixcontact.com/us/products/1620209>



## Drawings

Schematic diagram



Connector pin assignment

# CA-06P1N8AT008 - Cable connector



1620209

<https://www.phoenixcontact.com/us/products/1620209>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1620209>

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

|  <b>UL Recognized</b><br>Approval ID: E335019-20141210 |                                |                                |                   |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                                         | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                                   |                                |                                |                   |                               |
|                                                                                                                                         | 48 V                           | 17 A                           | 14                | -                             |

# CA-06P1N8AT008 - Cable connector



1620209

<https://www.phoenixcontact.com/us/products/1620209>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440116 |
| ECLASS-15.0 | 27440116 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002635 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

# CA-06P1N8AT008 - Cable connector



1620209

<https://www.phoenixcontact.com/us/products/1620209>

## 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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)