

# CA-17F1N8A85DUS - Cable connector



1619470  
<https://www.phoenixcontact.com/us/products/1619470>

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M23, Cable connector, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 3 mm ... 14.5 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
- Connector for flexible on-site assembly
- Consistent EMC protection for reliable connection solutions in the industrial environment
- Reduced connection time with SPEEDCON fast locking system
- Crimping connection: vibration- and temperature-resistant assembly

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1619470       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB31          |
| Product key                          | ABRAEB        |
| GTIN                                 | 4046356823777 |
| Weight per piece (including packing) | 94.2 g        |
| Weight per piece (excluding packing) | 89.934 g      |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Notes

|                    |                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------|
| Order information: | Order 17 x 1 mm crimp contacts separately                                                                     |
| Order information: | When using a specific cable with Ø 3 mm ... 4 mm, it may be necessary to use the special cable seal (1786600) |

### Product properties

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

### Connector

#### Connection 1

|             |        |
|-------------|--------|
| Head design | Socket |
|-------------|--------|

#### 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                                 | Socket                                                    |
| Application                                            | Feedback, signal                                          |
|                                                        | 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) | 0.06 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

|                                   |                         |
|-----------------------------------|-------------------------|
| Type                              | Cable connector housing |
| Thread type                       | M23                     |
| Design                            | straight                |
| Type of locking                   | SPEEDCON                |
| Pg screw connection               | none                    |
| Housing material                  | Metal                   |
| Degree of protection (plugged in) | IP67                    |

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## Seal

|                         |                  |
|-------------------------|------------------|
| External cable diameter | 3 mm ... 14.5 mm |
| Seal material           | FPM              |

## Environmental and real-life conditions

### Ambient conditions

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

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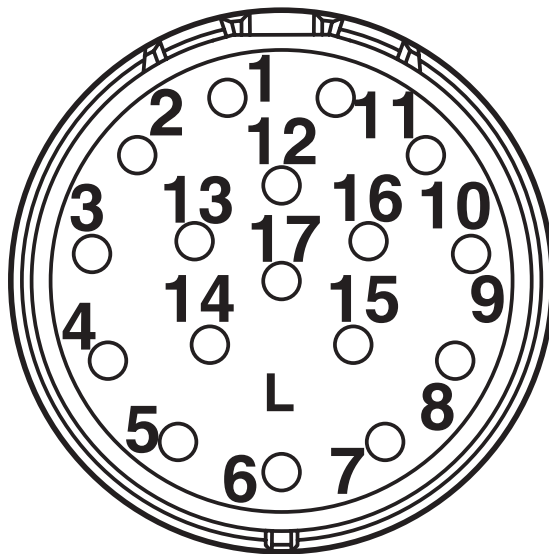


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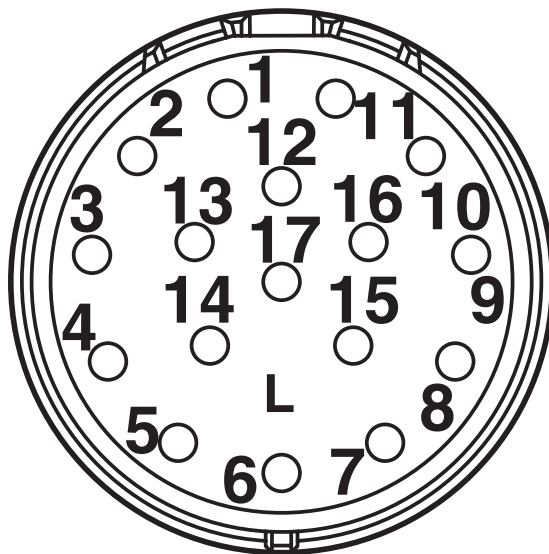
## Drawings

Schematic diagram



Contact chamber numbering (view of plug-in side), standard socket

Schematic diagram



Contact chamber numbering (view of plug-in side), standard socket

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619470>

|  <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                           | 5 A                            | 18                | -                             |

|  <b>UL Recognized</b><br>Approval ID: E335019-20141210 |                                |                                |                   |                               |
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|                                                                                                                                         | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                                   |                                |                                |                   |                               |
|                                                                                                                                         | 48 V                           | 8 A                            | 18                | -                             |

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002635 |
|----------|----------|

### 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                                | 8fa04d29-b9ac-48bb-b88d-b038cc9c8954 |

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