

# CA-12F1N8A85DUS - Cable connector



1619472

<https://www.phoenixcontact.com/pc/products/1619472>

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M23, Cable connector, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243590

## 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                          | 1619472             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Product key                          | ABRAEB              |
| Catalog page                         | Page 110 (C-2-2019) |
| GTIN                                 | 4046356823753       |
| Weight per piece (including packing) | 96.5 g              |
| Weight per piece (excluding packing) | 92.8 g              |
| Customs tariff number                | 85366990            |
| Country of origin                    | DE                  |

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## Technical data

### Notes

|         |                                        |
|---------|----------------------------------------|
| General | Order crimp contacts Ø 1 mm separately |
|---------|----------------------------------------|

### 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                                                         |
| Insulation body material           | PA 6.6                                                    |
| Connection method                  | Crimp connection                                          |
| Contact switching type             | Socket                                                    |
| Application                        | Feedback, signal                                          |
|                                    | Signal                                                    |
| Number of positions                | 12                                                        |
| Direction of rotation              | Standard                                                  |
| Connection profile                 | 12                                                        |
| Contact diameter                   | 1 mm                                                      |
| Litz wire cross-section            | Signal contacts min. 0.06 mm <sup>2</sup>                 |
| Litz wire cross-section            | Signal contacts max. 1 mm <sup>2</sup>                    |
| Nominal current per signal contact | 8 A                                                       |
| Rated voltage                      | Signal contact 48 V AC                                    |
| Rated surge voltage                | 1.5 kV                                                    |
| Overvoltage category               | III                                                       |
| Degree of pollution                | 3                                                         |

#### Housing

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

#### Seal

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

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## Environmental and real-life conditions

### Ambient conditions

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

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