

# CA-07S1N128006X - Cable connector



1243798

<https://www.phoenixcontact.com/us/products/1243798>

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The figure shows the 6-pos.  
product version

M23, Cable connector, application: Signal, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Socket, Solder connection, cable diameter range: 4 mm ... 6 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## 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
- Solder connection: proven connection technology for various litz wires

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1243798       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | ABRAEA        |
| GTIN                                 | 4063151403812 |
| Weight per piece (including packing) | 91.9 g        |
| Weight per piece (excluding packing) | 88.56 g       |
| Country of origin                    | DE            |

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## Technical data

### Product properties

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

### Connector

#### Connection 1

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

#### Insulating body

|   |                     |
|---|---------------------|
| Coding  | N                   |
| Material (Insulating body)                      | PBT                 |
| Material (Contact)                              | CuZn                |
| Material (Contact surface)                      | Ni/Au               |
| Insertion/withdrawal cycles                     | 100                 |
| Connection method                               | Solder connection   |
| Contact switching type                          | Socket              |
| Application                                     | Signal              |
| Number of positions                             | 7                   |
| Direction of rotation                           | Standard            |
| Connection profile                              | 7                   |
| Rated voltage Contact (Contact group 1)         | 48 V AC<br>74 V DC  |
| Rated surge voltage                             | 1.5 kV              |
| Overvoltage category                            | III                 |
| Degree of pollution                             | 3                   |
| Number (Contact group 2)                        | 7                   |
| Contact diameter (Contact group 2)              | 2 mm                |
| Litz wires Max. cross section (Contact group 2) | 2.5 mm <sup>2</sup> |
| Rated current Contact (Contact group 2)         | 20 A                |

#### Housing

|                                   |  |
|-----------------------------------|--|
| Type                              | Cable connector housing  |
| Thread type                       | M23  |
| Design                            | straight   |
| Type of locking                   | Screw locking mechanism  |
| Pg screw connection               | none   |
| Housing material                  | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Material for screw connection     | CuZn   |
| Degree of protection (plugged in) | IP67   |

#### Seal

|                         |               |
|-------------------------|---------------|
| External cable diameter | 4 mm ... 6 mm |
|-------------------------|---------------|

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|               |     |
|---------------|-----|
| Seal material | NBR |
|---------------|-----|

## Environmental and real-life conditions

### Ambient conditions

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

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## Drawings

Schematic diagram



Connector pin assignment

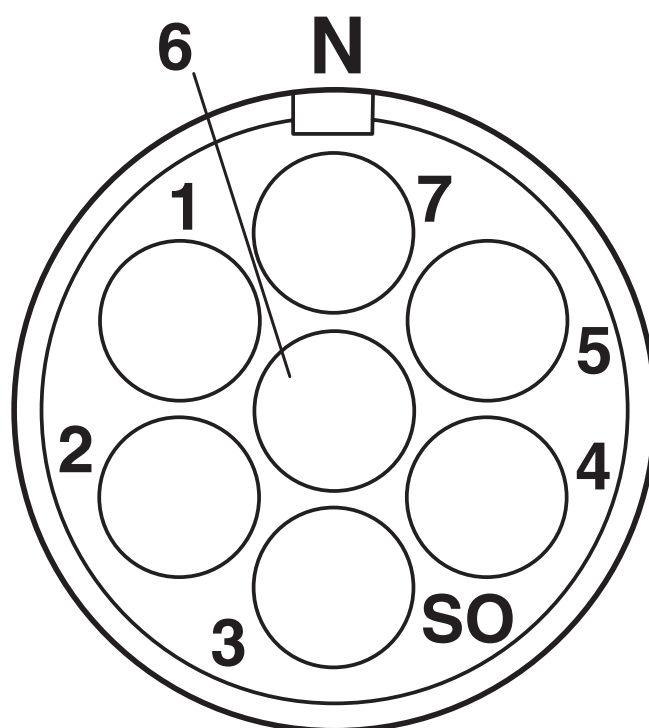
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Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-13.0

27440116

### ETIM

ETIM 9.0

EC002635

### UNSPSC

UNSPSC 21.0

39121100

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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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