# CA-06S1N1280DN - Cable connector

1619776

https://www.phoenixcontact.com/us/products/1619776

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M23, Cable connector, application: Signal, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Solder 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. Alternative products: 1340669

## 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 | 1619776 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB31 |
| Product key | ABRAEA |
| GTIN | 4046356821414 |
| Weight per piece (including packing) | 95.066 g |
| Weight per piece (excluding packing) | 88.84 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Notes

| | |
|---|---|
| Order information: | When using a specific cable with Ø 3 mm ... 4 mm, it may be necessary to use the special cable seal (1786601) |

### Product properties

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

### Connector

Connection 1

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

Insulating body

| | |
|---|---|
| Coding | N |
| Material (Insulating body) | PA 6.6 |
| 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 | 6 |
| Direction of rotation | Standard |
| Connection profile | 6 |
| Rated voltage Contact (Contact group 1) | 48 V AC |
| | 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Number (Contact group 2) | 6 |
| Contact diameter (Contact group 2) | 2 mm |
| Litz wires Max. cross section (Contact group 2) | 2.5 mm² |
| 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 |
| Material (Housing) | CuZn (Rotating parts) |
| | GD-Zn (Die-cast parts) |
| Material (Screw connection) | CuZn |

| | |
|---|---|
| Degree of protection (plugged in) | IP67 |

Seal

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

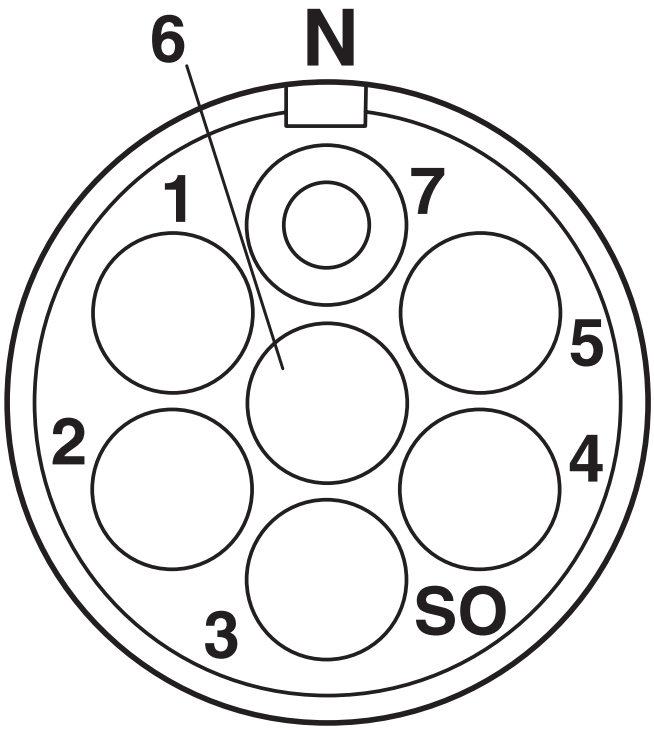
## Environmental and real-life conditions

Ambient conditions

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

## Drawings

Schematic diagram




Connector pin assignment

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619776

**cUL Recognized**
Approval ID: E335019-20141210

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 48 V | 10 A | 14 | - |

**UL Recognized**
Approval ID: E335019-20141210

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 48 V | 20 A | 14 | - |

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## 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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