

Cable connector - CA-06P1N1280DN - 1619775

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Cable connector, straight, shielded: yes, Screw locking, M23, Number of positions: 6, Type of contact: Male connector, Solder connection, Cable diameter: 3 mm ... 14.5 mm

Product Features

- 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



Key Commercial Data

| | |
|--------------------------------------|---------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 100.0 g |
| Country of origin | Germany |

Technical data

Temperature range

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

Data of the insulating body

| | |
|--|-------------------|
| Coding | N |
| Insulator material | PBT |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Insertion/withdrawal cycles mechanical | 100 |
| Contact connection method | Solder connection |
| Type of contacts | Male connector |
| Number of positions | 6 |
| Contact diameter of power contacts | 2 mm |

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Technical data

Data of the insulating body

| | |
|--|----------------------|
| Litz wire cross section of power contacts min. | 0.08 mm ² |
| Litz wire cross section of power contacts max. | 2.5 mm ² |
| Nominal current per power contact at 25°C | 20 A |
| Nominal voltage, power contact | 300 V |
| Overvoltage category | II |
| Degree of pollution | 3 |

Housing data

| | |
|--|--|
| Housing material | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Type of locking | Screw locking |
| Degree of protection (when plugged in) | IP67 |
| Thread type | M23 |

Cable seal data

| | |
|---------------------|---------|
| Min. cable diameter | 3 mm |
| Max. cable diameter | 14.5 mm |
| Sealing material | NBR |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 272607xx |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260702 |
| eCl@ss 7.0 | 27440102 |
| eCl@ss 8.0 | 27440102 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002635 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201404 |

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 43201404 |
|-------------|----------|

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

| | |
|--------------------------------|-------|
| UL Recognized | |
| mm ² /AWG/kcmil | 14 |
| Nominal current I _N | 20 A |
| Nominal voltage U _N | 300 V |

| | |
|--------------------------------|-------|
| cUL Recognized | |
| mm ² /AWG/kcmil | 14 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 300 V |

| |
|-----|
| EAC |
|-----|

| |
|------------------|
| cULus Recognized |
|------------------|

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Accessories

Accessories

Mounting material

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

Hook wrench - SF-Z0027 - 1607455



Hook wrench

Color-coding - RF-Z0014 - 1620588



Color-coding, Color: green

Color-coding - RF-Z0015 - 1620592



Color-coding, Color: orange

Color-coding - RF-Z0016 - 1620593



Color-coding, Color: black

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Accessories

Square mounting flange - RF-Z0003 - 1607905



Square mounting flange, Seal, axial, 4xM3, Flange dimensions: 35 mm x 35 mm

Protective cover

Plastic dust protection cap - RC-Z2058 - 1604223



Plastic dust protection cap for connectors with M23 knurled nuts

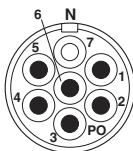
Plastic anti-static dust protection cap - RC-Z2468 - 1611796



Plastic dust protection cap, anti-static, for connectors with M23 knurled nuts

Drawings

Schematic diagram



Dimensional drawing

