

## Cable connector - CA-09P1N12T007 - 1620253

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Cable connector, CA, angled, shielded: yes, Screw locking, M23, No. of pos.: 8+1, type of contact: Pin, Solder connection, cable diameter range: 6 mm ... 10 mm



The figure shows the 6-pos. product version

### Your advantages

- ✓ Angled cable outlet for confined spaces
- ✓ Can be adapted to various applications, thanks to adjustable cable outlet direction
- ✓ 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                |
| GTIN                                 | <br>4 046356 818308 |
| GTIN                                 | 4046356818308       |
| Weight per Piece (excluding packing) | 180.000 g           |
| Custom tariff number                 | 85366990            |
| Country of origin                    | Germany             |

### Technical data

#### Temperature range

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

#### Data of the insulating body

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### Technical data

#### 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                                | Pin                 |
| Application                                     | Signal              |
| Number of positions                             | 9                   |
| Direction of rotation                           | Standard            |
| Contact diameter of power contacts              | 2 mm                |
| Litz wire cross section of power contacts max.  | 2.5 mm <sup>2</sup> |
| Rated current for power contacts                | 20 A                |
| Rated voltage of power contact                  | 300 V               |
| Rated surge voltage                             | 2.5 kV              |
| Overvoltage category                            | II                  |
| Degree of pollution                             | 3                   |
| Contact diameter of signal contacts             | 1 mm                |
| Litz wire cross section of signal contacts max. | 1 mm <sup>2</sup>   |
| Nominal current per signal contact              | 8 A                 |
| Rated voltage of signal 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

|                  |                |
|------------------|----------------|
| Cable diameter   | 6 mm ... 10 mm |
| Sealing material | NBR            |

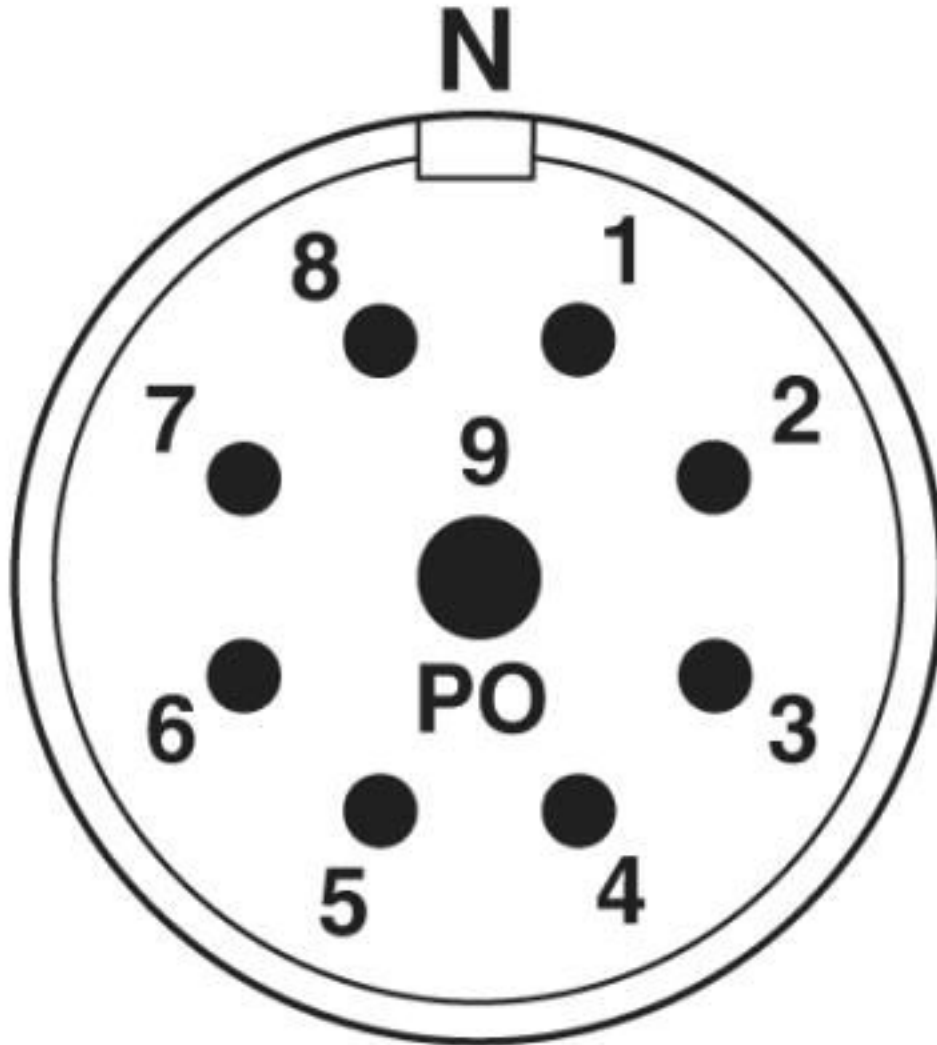
#### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

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## Drawings

Schematic diagram



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Dimensional drawing



## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |
| eCl@ss 6.0    | 27260700 |
| eCl@ss 7.0    | 27440102 |
| eCl@ss 8.0    | 27440102 |
| eCl@ss 9.0    | 27440102 |

ETIM

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

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 6.0 | EC002061 |
|----------|----------|

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 43201404 |
| UNSPSC 18.0   | 39121413 |
| UNSPSC 19.0   | 39121413 |
| UNSPSC 20.0   | 39121413 |
| UNSPSC 21.0   | 39121413 |

## Approvals


### Approvals


#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

|                            |   |   |                  |
|----------------------------|---|---|------------------|
| UL Recognized              |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E335019-20141210 |
| Nominal voltage UN         | 300 V   |   |                  |
| Nominal current IN         | 8 A   |   |                  |
| mm <sup>2</sup> /AWG/kcmil | 18  |   |                  |

|                    |   |   |                  |
|--------------------|---|---|------------------|
| cUL Recognized     |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E335019-20141210 |
| Nominal voltage UN | 300 V   |   |                  |

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### Approvals

|                                |     |
|--------------------------------|-----|
|                                |     |
| Nominal current I <sub>N</sub> | 6 A |
| mm <sup>2</sup> /AWG/kcmil     | 18  |

|     |  |         |
|-----|--|---------|
| EAC |  | B.01687 |
|-----|--|---------|

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

### Accessories

#### Accessories

#### Mounting material

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

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### Accessories

Color-coding - RF-Z0016 - 1620593



Color-coding, color: black

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### Protective cover

Protective cap - RC-Z2058 - 1604223



Plastic protection cap for connectors with M23 knurled nut

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



Plastic protection cap, antistatic, for connectors with M23 knurled nut

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Hook wrench - SF-Z0027 - 1607455



Hook wrench