

## Device connector, front mounting - CA-06S1N122S00 - 1619993

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Device connector for front wall, straight, shielded: yes, SPEEDCON locking, M23, Number of positions: 6, Type of contact: Socket, Solder connection, Flat gasket, 4x Ø 3.2, Flange dimensions: 25 mm x 25 mm

### Why buy this product

- 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 STK   |
| GTIN                                 | <br>4 046356 820011 |
| GTIN                                 | 4046356820011   |
| Weight per Piece (excluding packing) | 29.400 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |
| Note                                 | Made to Order (non-returnable)  |

### 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             |
| Contact connection method | Solder connection |
| Type of contacts          | Socket            |

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## Technical data

### Data of the insulating body

|  |                      |
|--|----------------------|
| Number of positions                            | 6                    |
| Contact diameter of power contacts             | 2 mm                 |
| Litz wire cross section of power contacts min. | 0.08 mm <sup>2</sup> |
| Litz wire cross section of power contacts max. | 2.5 mm <sup>2</sup>  |
| Nominal current per power contact at 25°C      | 20 A                 |
| Nominal voltage, power contact                 | 300 V                |
| Rated surge voltage                            | 2.5 kV               |
| Overvoltage category                           | II                   |
| Degree of pollution                            | 3                    |

### Housing data

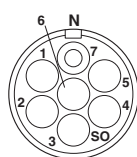
|  |                  |
|--|------------------|
| Housing material                       | CuZn             |
| Flange dimensions                      | 25 mm x 25 mm    |
| Type of locking                        | SPEEDCON locking |
| Degree of protection (when plugged in) | IP67             |
| Thread type                            | M23              |

### Environmental Product Compliance

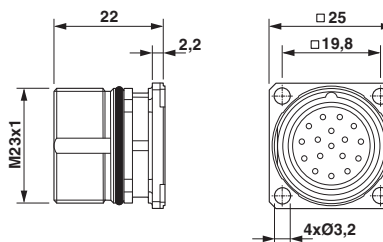
|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

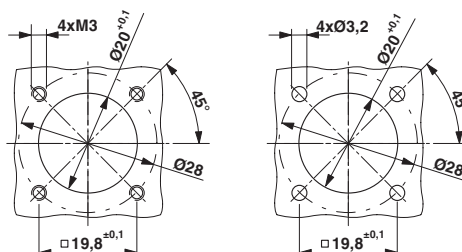
Schematic diagram



Dimensional drawing



Dimensional drawing



### Installation dimensions

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |
| eCl@ss 7.0 | 27440209 |
| eCl@ss 8.0 | 27440103 |
| eCl@ss 9.0 | 27440102 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002061 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 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 |
| mm <sup>2</sup> /AWG/kcmil     | 14  |  |
| Nominal current I <sub>N</sub> | 20 A  |  |
| Nominal voltage U <sub>N</sub> | 300 V   |  |

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## Approvals

|                    |  |  |
|--------------------|--|--|
| 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 |
| mm²/AWG/kcmil      |  | 14   |
| Nominal current IN |  | 10 A   |
| Nominal voltage UN |  | 300 V  |

|     |  |         |
|-----|--|---------|
| EAC |  | B.01742 |
|-----|--|---------|

|                  |  |   |
|------------------|--|---|
| cULus 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> |
|------------------|--|---|

## Accessories

### Accessories

#### Mounting material

Color-coding - CA-Z0120 - 1620704



Color-coding, Color: green

Color-coding - CA-Z0121 - 1620705



Color-coding, Color: orange

Color-coding - CA-Z0122 - 1620706



Color-coding, Color: black

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### Accessories

Contact removal tool - CA-Z0001 - 1620699



Unlocking tool for contact carriers for snapping in the M23 signal device connectors

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### Protective cover

Plastic dust protection cap - SF-Z0019 - 1607449



Plastic dust protection cap - RC-Z2059 - 1604225



Plastic dust protection cap for connectors with M23 external thread

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Plastic anti-static dust protection cap - RC-Z2469 - 1611797



Plastic dust protection cap, anti-static, for RF, SF, CA, RC series connectors, with M23 external thread

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Metal dust protection cap - RC-Z2104 - 1604260



Metal dust protection cap for signal connectors with M23 external thread

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## Device connector, front mounting - CA-06S1N122S00 - 1619993

### Accessories

Metal dust protection cap - RC-Z2068 - 1604236



Metal dust protection cap with steel wire for signal connectors with M23 external thread

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