

## Cable connector - CA-06S1N12T006S - 1619424

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Cable connector, CA, angled, shielded: yes, SPEEDCON locking, M23, No. of pos.: 6, Direction of rotation: Standard, type of contact: Socket, Solder connection, cable diameter range: 4 mm ... 6 mm, coding:N



### 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
- ✓ Reduced connection time with SPEEDCON fast locking system
- ✓ Solder connection: proven connection technology for various litz wires



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                 |
| GTIN         |  |
| GTIN         | 4046356824231                                                                        |

### Technical data

#### Temperature range

|                     |                   |
|---------------------|-------------------|
| Ambient temperature | -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                       | Socket            |

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## Technical data

### Data of the insulating body

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Application                                     | Signal              |
| Number of positions                             | 6                   |
| Direction of rotation                           | Standard            |
| Rated voltage                                   | 48 V AC             |
|                                                 | 74 V DC             |
| Rated surge voltage                             | 1.5 kV              |
| Overvoltage category                            | III                 |
| Degree of pollution                             | 3                   |
| Contact diameter of signal contacts             | 2 mm                |
| Litz wire cross section of signal contacts max. | 2.5 mm <sup>2</sup> |
| Nominal current per signal contact              | 20 A                |

### Housing data

|                                        |                  |
|----------------------------------------|------------------|
| Housing material                       | Metal            |
| Type of locking                        | SPEEDCON locking |
| Degree of protection (when plugged in) | IP67             |
| Thread type                            | M23              |

### Cable seal data

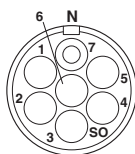
|                  |               |
|------------------|---------------|
| Cable diameter   | 4 mm ... 6 mm |
| Sealing material | NBR           |

### Environmental Product Compliance

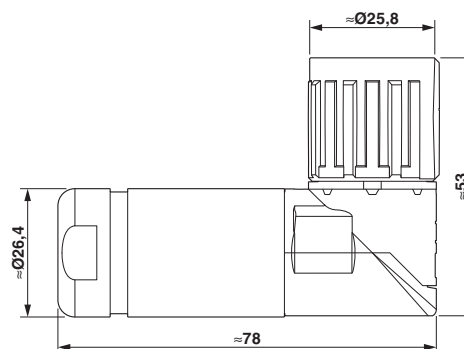
|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                     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

## Drawings

Schematic diagram



Dimensional drawing



## Cable connector - CA-06S1N12T006S - 1619424

### Classifications

#### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 11.0   | 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 9.0    | 27440102 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002635 |
| ETIM 6.0 | EC002061 |
| ETIM 7.0 | EC002635 |

#### 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

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##### Approvals

UL Recognized / cUL Recognized / cULus Recognized

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##### Ex Approvals

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#### Approval details

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### Approvals

|                    |                                                                                   |                                                                                                                                                                        |
|--------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | 48 V                                                                              |                                                                                                                                                                        |
| Nominal current IN | 20 A                                                                              |                                                                                                                                                                        |
| mm²/AWG/kcmil      | 14                                                                                |                                                                                                                                                                        |

|                    |                                                                                   |                                                                                                                                                                        |
|--------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | 48 V                                                                              |                                                                                                                                                                        |
| Nominal current IN | 10 A                                                                              |                                                                                                                                                                        |
| mm²/AWG/kcmil      | 14                                                                                |                                                                                                                                                                        |

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

### Accessories

#### Accessories

#### Circular connectors (device side)

Hook wrench - SF-Z0027 - 1607455



Hook wrench

#### Mounting material

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

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### Accessories

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

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Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

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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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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>