

## Cable connector - CA-09S1N128006S - 1619571

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Cable connector, straight, shielded: yes, SPEEDCON locking, M23, Number of positions: 8+1, Type of contact: Socket, Solder connection, Cable diameter: 4 mm ... 6 mm

The figure shows the 6-pos. product version

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



### Key Commercial Data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 pc     |
| Custom tariff number | 85366990 |
| 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             |
| Contact connection method | Solder connection |
| Type of contacts          | Socket            |

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### Technical data

#### Data of the insulating body

|                                                 |                      |
|-------------------------------------------------|----------------------|
| Number of positions                             | 9                    |
| 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                |
| Contact diameter of signal contacts             | 1 mm                 |
| Litz wire cross section of signal contacts min. | 0.08 mm <sup>2</sup> |
| Litz wire cross section of signal contacts max. | 1 mm <sup>2</sup>    |
| Nominal current per signal contact at 25°C      | 8 A                  |
| Nominal voltage, signal contact                 | 300 V                |
| Overvoltage category                            | II                   |
| Degree of pollution                             | 3                    |

#### Housing data

|                                        |                  |
|----------------------------------------|------------------|
| Housing material                       | CuZn, GD-Zn      |
| Type of locking                        | SPEEDCON locking |
| Degree of protection (when plugged in) | IP67             |
| Thread type                            | M23              |

#### Cable seal data

|                     |      |
|---------------------|------|
| Min. cable diameter | 4 mm |
| Max. cable diameter | 6 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 |
|----------|----------|

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002635 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 43201404 |

### Approvals

#### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|                                                                                                   |       |
|---------------------------------------------------------------------------------------------------|-------|
| UL Recognized  |       |
| mm²/AWG/kcmil                                                                                     | 18    |
| Nominal current I <sub>N</sub>                                                                    | 8 A   |
| Nominal voltage U <sub>N</sub>                                                                    | 300 V |

|                                                                                                    |    |
|----------------------------------------------------------------------------------------------------|----|
| cUL Recognized  |    |
| mm²/AWG/kcmil                                                                                      | 18 |

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### Approvals

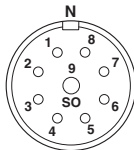
|                                |       |
|--------------------------------|-------|
| Nominal current I <sub>N</sub> | 6 A   |
| Nominal voltage U <sub>N</sub> | 300 V |

EAC

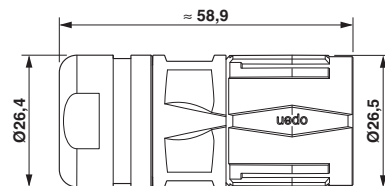
cULus Recognized  US

### Drawings

Schematic diagram



Dimensional drawing



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