

## Cable connector - CA-19P1N128006 - 1619725

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Cable connector, straight, shielded: yes, Screw locking, M23, Number of positions: 16+3, Type of contact: Male connector, Solder connection, Cable diameter: 4 mm ... 6 mm

The figure shows the 12-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
- 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                 | PA 66             |
| Contact material                   | CuZn              |
| Contact surface material           | Ni/Au             |
| Contact connection method          | Solder connection |
| Type of contacts                   | Male connector    |
| Number of positions                | 19                |
| Contact diameter of power contacts | 1.5 mm            |

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### Technical data

#### Data of the insulating body

|   |                      |
|---|----------------------|
| Litz wire cross section of power contacts min.  | 0.08 mm <sup>2</sup> |
| Litz wire cross section of power contacts max.  | 1 mm <sup>2</sup>    |
| Nominal current per power contact at 25°C       | 10 A                 |
| Nominal voltage, power contact                  | 150 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                 | 150 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 | 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 |
| ETIM 4.0 | EC002635 |
| ETIM 5.0 | EC002635 |

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## Classifications

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals


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#### Approvals submitted

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## Approval details


|   |       |
|---|-------|
| UL Recognized  |       |
| mm <sup>2</sup> /AWG/kcmil  | 18    |
| Nominal current I <sub>N</sub>  | 8 A   |
| Nominal voltage U <sub>N</sub>  | 150 V |

|  |       |
|--|-------|
| cUL Recognized  |       |
| mm <sup>2</sup> /AWG/kcmil   | 18    |
| Nominal current I <sub>N</sub>   | 5 A   |
| Nominal voltage U <sub>N</sub>   | 150 V |

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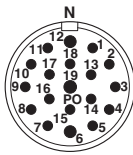
## Approvals

EAC

cULus Recognized 

## Drawings

Schematic diagram



Dimensional drawing

