

## Cable connector - CA-19S1N1280DN - 1619752

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Cable connector, straight, shielded: yes, Screw locking, M23, Number of positions: 16+3, Type of contact: Socket, Solder connection, Cable diameter: 3 mm ... 14.5 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     |
| Weight per Piece (excluding packing) | 100.0 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

|                           |                   |
|---------------------------|-------------------|
| Coding                    | N                 |
| Insulator material        | PA 66             |
| Contact material          | CuZn              |
| Contact surface material  | Ni/Au             |
| Contact connection method | Solder connection |
| Type of contacts          | Socket            |
| Number of positions       | 19                |

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### Technical data

#### Data of the insulating body

|   |                      |
|---|----------------------|
| Contact diameter of power contacts              | 1.5 mm               |
| 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 | 3 mm    |
| Max. cable diameter | 14.5 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 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| 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                  |       |
| 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 |

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## Approvals

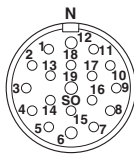
|                    |       |
|--------------------|-------|
| Nominal voltage UN | 150 V |
|--------------------|-------|

|     |
|-----|
| EAC |
|-----|

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

## Drawings

Schematic diagram



Dimensional drawing

