

## Cable connector - CA-09P1N8A80DN - 1619765

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Cable connector, straight, shielded: Yes, Screw locking, M23, Number of positions: 8+1, Type of contact: Male connector, Crimp connection, Cable diameter: 3 mm ... 14.5 mm

The figure shows the 6-pos. product version

### Product Features



### 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

|                                                    |                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------|
| Note                                               | Order information Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately |
| Insulator material                                 | PA 66                                                                    |
| Direction of rotation of contact chamber numbering | Standard                                                                 |
| Coding                                             | N                                                                        |
| Contact connection method                          | Crimp connection                                                         |
| Type of contacts                                   | Male connector                                                           |
| Number of positions                                | 9                                                                        |
| Contact diameter of power contacts                 | 1 mm                                                                     |
| Nominal current per power contact at 25°C          | 8 A                                                                      |
| Nominal voltage, power contact                     | 300 V                                                                    |

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### Technical data

#### Data of the insulating body

|                                            |       |
|--------------------------------------------|-------|
| Contact diameter of signal contacts        | 2 mm  |
| Nominal current per signal contact at 25°C | 20 A  |
| Nominal voltage, signal contact            | 300 V |
| Surge voltage category                     | II    |
| Pollution degree                           | 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 |
| ETIM 5.0 | EC002635 |

#### UNSPSC

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

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### Approvals

#### Approvals

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#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

|                                                                                                  |       |
|--------------------------------------------------------------------------------------------------|-------|
| UL Recognized  |       |
| mm²/AWG/kcmil                                                                                    | 20    |
| Nominal current I <sub>N</sub>                                                                   | 6 A   |
| Nominal voltage U <sub>N</sub>                                                                   | 300 V |

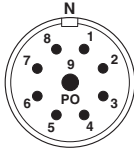
|                                                                                                    |       |
|----------------------------------------------------------------------------------------------------|-------|
| cUL Recognized  |       |
| mm²/AWG/kcmil                                                                                      | 20    |
| Nominal current I <sub>N</sub>                                                                     | 4 A   |
| Nominal voltage U <sub>N</sub>                                                                     | 300 V |

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

### Drawings

## Cable connector - CA-09P1N8A80DN - 1619765

Schematic diagram



Dimensional drawing

