

Cable connector - CA-09P1N1280DN - 1619767

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Cable connector, straight, shielded: Yes, Screw locking, M23, Number of positions: 8+1, Type of contact: Male connector, Solder 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

| | |
|--|----------------------|
| Insulator material | PBT |
| Contact material | CuZn |
| Contact surface material | Ni/Au |
| Direction of rotation of contact chamber numbering | Standard |
| Coding | N |
| Contact connection method | Solder connection |
| Type of contacts | Male connector |
| Number of positions | 9 |
| Contact diameter of power contacts | 2 mm |
| Litz wire cross section of power contacts min. | 0.08 mm ² |
| Litz wire cross section of power contacts max. | 2.5 mm ² |

Cable connector - CA-09P1N1280DN - 1619767

Technical data

Data of the insulating body

| | |
|---|----------------------|
| 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 ² |
| Litz wire cross section of signal contacts max. | 1 mm ² |
| Nominal current per signal contact at 25°C | 8 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 |
|-------------|----------|

Cable connector - CA-09P1N1280DN - 1619767

Classifications

UNSPSC

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

Approvals

Approvals


Approvals


UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

| | |
|---|-------|
| UL Recognized  | |
| mm ² /AWG/kcmil | 18 |
| Nominal current I _N | 8 A |
| Nominal voltage U _N | 300 V |

| | |
|--|-------|
| cUL Recognized  | |
| mm ² /AWG/kcmil | 18 |
| Nominal current I _N | 6 A |
| Nominal voltage U _N | 300 V |

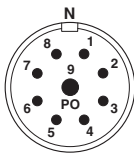
Cable connector - CA-09P1N1280DN - 1619767

Approvals



Drawings

Schematic diagram



Dimensional drawing

