

## Cable connector - CA-19P1N12T0DN - 1620292

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Cable connector, angled, shielded: yes, Screw locking, M23, No. of pos.: 16+3, type of contact: Pin, Solder connection, cable diameter range: 3 mm ... 14.5 mm



The figure shows the 12-pos. product version

### Your advantages

- Angled cable outlet for confined spaces
- Can be adapted to various applications, thanks to adjustable cable outlet direction
- 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          |
| GTIN         |               |
| GTIN         | 4046356817943 |

### Technical data

#### Temperature range

|                                 |                   |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

#### Data of the insulating body

|                                        |                   |
|----------------------------------------|-------------------|
| Coding                                 | N                 |
| Insulator material                     | PA 6.6            |
| Contact material                       | CuZn              |
| Contact surface material               | Ni/Au             |
| Insertion/withdrawal cycles mechanical | 100               |
| Contact connection method              | Solder connection |
| Type of contacts                       | Pin               |

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### Technical data

#### Data of the insulating body

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Application                                     | Signal            |
| Number of positions                             | 19                |
| Contact diameter of power contacts              | 1.5 mm            |
| 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             |
| Rated surge voltage                             | 1.5 kV            |
| Overvoltage category                            | II                |
| Degree of pollution                             | 3                 |
| Contact diameter of signal contacts             | 1 mm              |
| 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

|                  |                  |
|------------------|------------------|
| Cable diameter   | 3 mm ... 14.5 mm |
| Sealing material | NBR              |

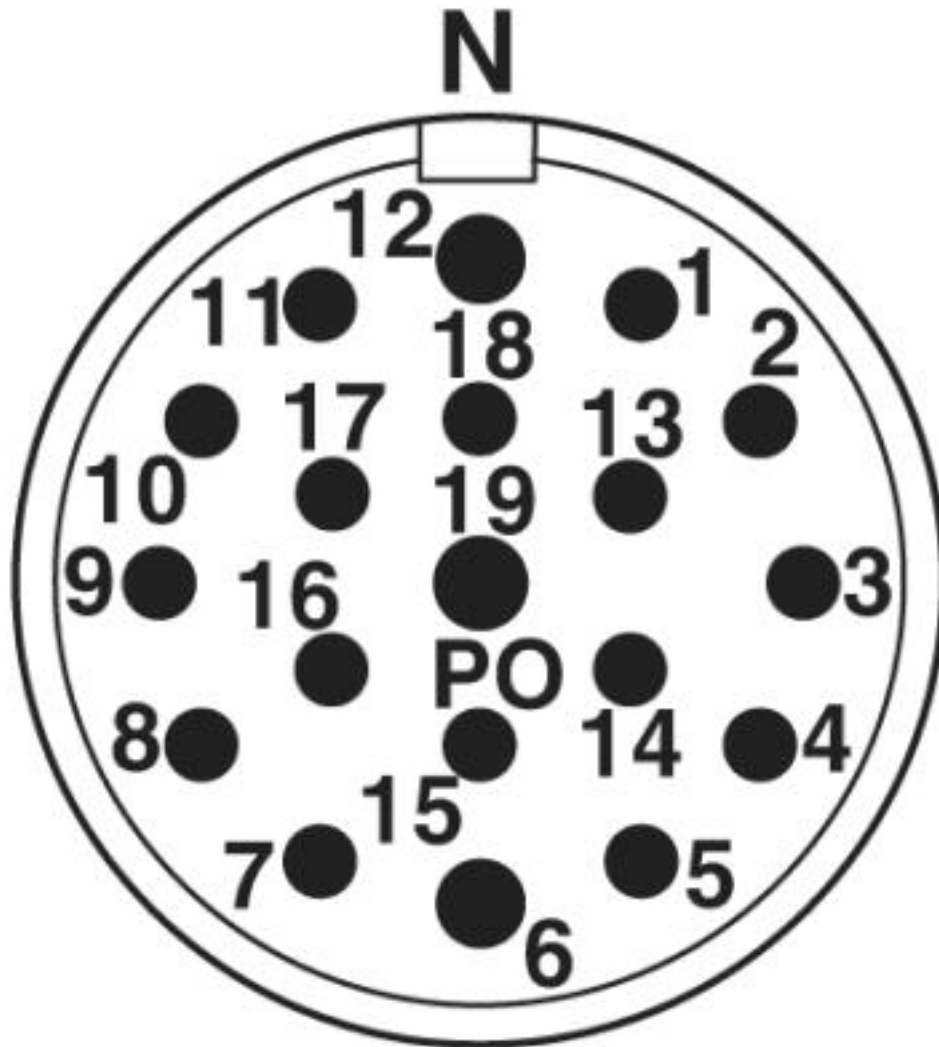
#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
|            | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

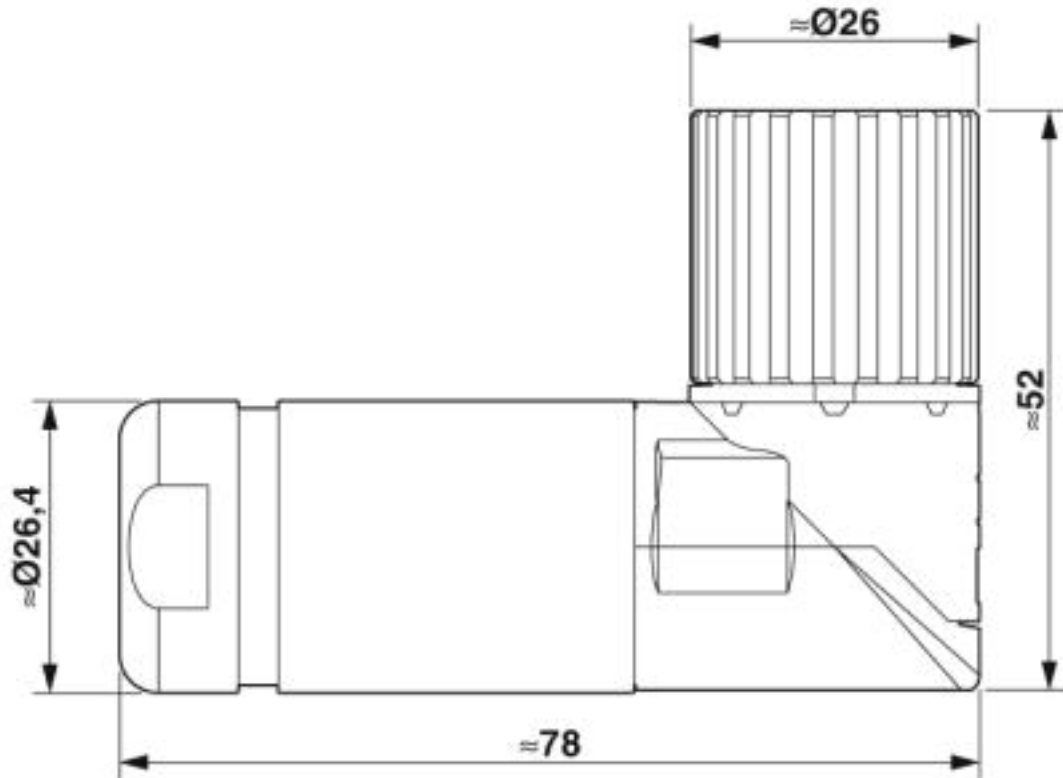
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Schematic diagram



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Dimensional drawing



## Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized


Ex Approvals

## Approval details

|                            |       |                                                                                                                                                                        |
|----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UL Recognized              |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E335019-20141210 |
| Nominal voltage UN         | 150 V |                                                                                                                                                                        |
| Nominal current IN         | 8 A   |                                                                                                                                                                        |
| mm <sup>2</sup> /AWG/kcmil | 18    |                                                                                                                                                                        |

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### Approvals

|                            |                                                                                   |                                                                                                                                                                        |
|----------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cUL Recognized             |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E335019-20141210 |
| Nominal voltage UN         |                                                                                   | 150 V                                                                                                                                                                  |
| Nominal current IN         |                                                                                   | 5 A                                                                                                                                                                    |
| mm <sup>2</sup> /AWG/kcmil |                                                                                   | 18                                                                                                                                                                     |

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

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