

## Cable connector - CA-1RP1N8A80DN - 1623845

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, CA, straight, shielded: yes, Screw locking, M23, No. of pos.: 16+2+PE, type of contact: Pin, Crimp connection, cable diameter range: 3 mm ... 14.5 mm

Similar to figure, please order crimp contacts separately

### Your advantages

- 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
- Crimping connection: vibration- and temperature-resistant assembly



### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 pc          |
| GTIN         |               |
| GTIN         | 4055626228488 |

### Technical data

#### Data of the insulating body

|  |   |
|--|---|
| Note   | Order information: Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE, first) separately |
| Coding   | N   |
| Insulator material                             | PA 6.6  |
| Contact connection method                      | Crimp connection  |
| Type of contacts                               | Pin   |
| Application                                    | Signal  |
| Number of positions                            | 19  |
| 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>   |

## Cable connector - CA-1RP1N8A80DN - 1623845

### Technical data

#### Data of the insulating body

|   |                      |
|---|----------------------|
| 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 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                |
| Rated surge voltage                             | 1.5 kV               |
| 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              |

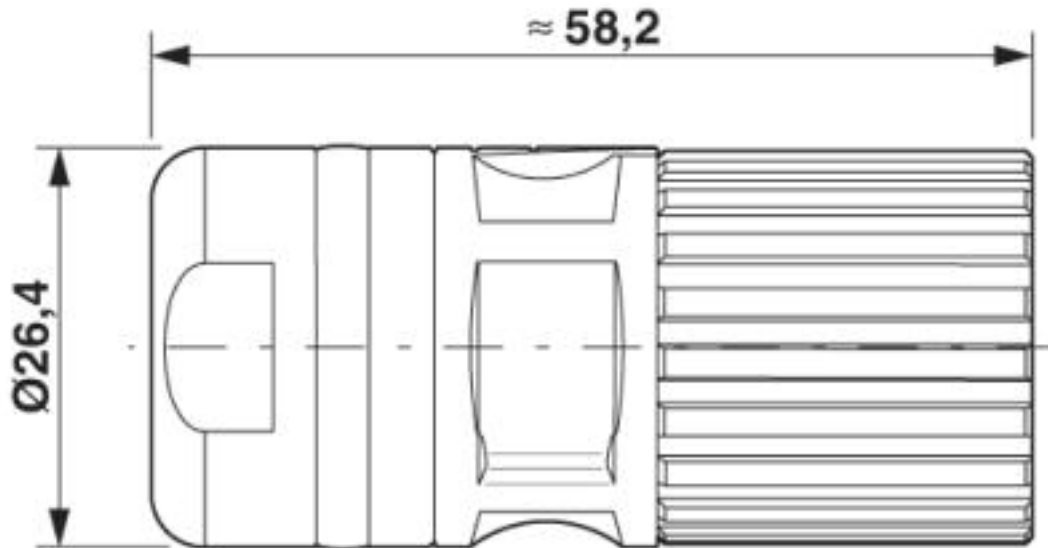
#### Environmental Product Compliance

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

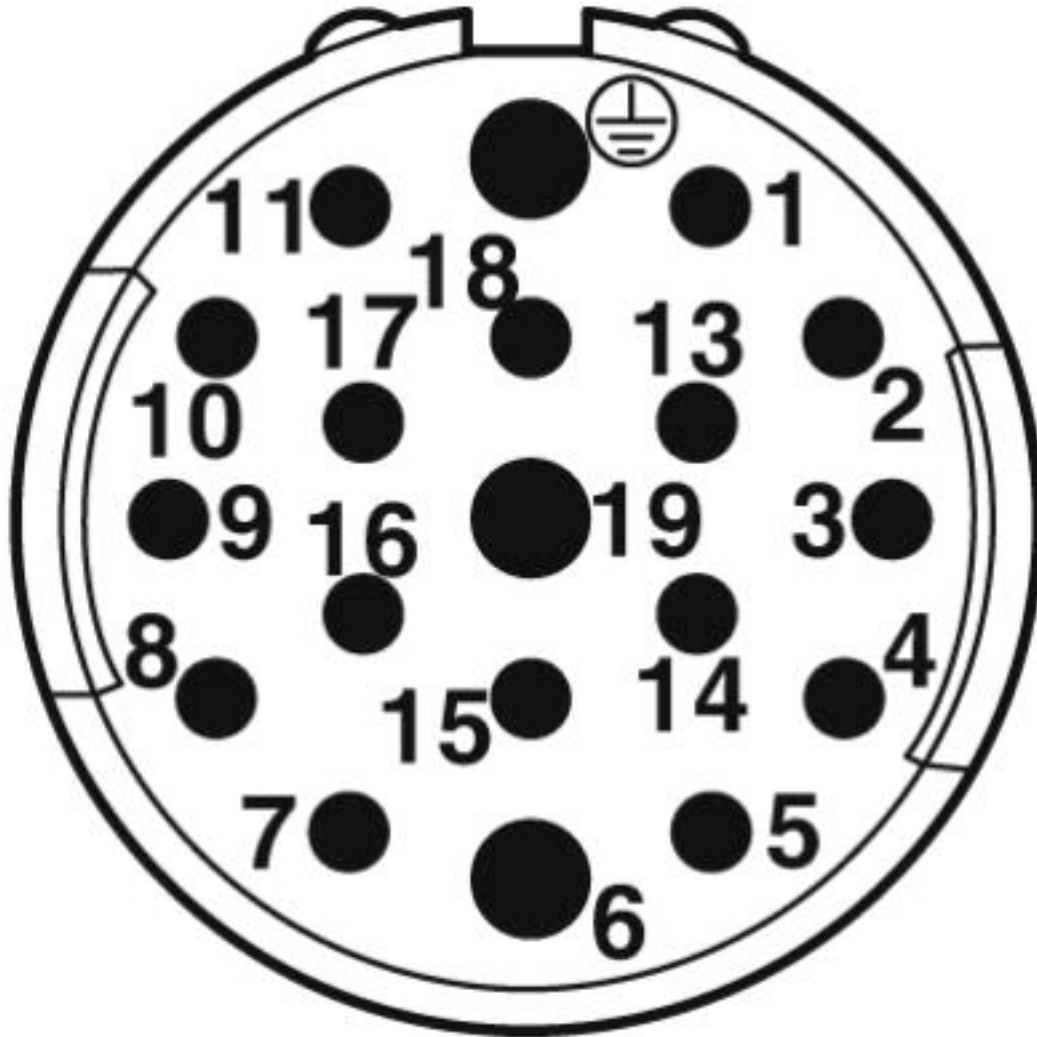
## Cable connector - CA-1RP1N8A80DN - 1623845

Dimensional drawing



# Cable connector - CA-1RP1N8A80DN - 1623845

Schematic diagram



Approvals

Approvals

---

Approvals

UL Recognized / cUL Recognized / cULus Recognized

---

Ex Approvals

---

Approval details

## Cable connector - CA-1RP1N8A80DN - 1623845

### Approvals

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

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

Phoenix Contact 2019 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>