

## Cable connector - CA-1RS1N8A8008 - 1623840

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: Socket, Crimp connection, cable diameter range: 10 mm ... 14.5 mm

### 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                                 | 4055626228532 |
| Weight per Piece (excluding packing) | 100.000 g     |
| Custom tariff number                 | 85366990      |
| Country of origin                    | Germany       |

### Technical data

#### Data of the insulating body

|                           |  |
|---------------------------|--|
| Note                      | Order information: Order crimp contacts 16 x Ø 1 mm, 3 x Ø 1.5 mm separately |
| Coding                    | N  |
| Insulator material        | PA 6.6   |
| Contact connection method | Crimp connection   |
| Type of contacts          | Socket   |

## Cable connector - CA-1RS1N8A8008 - 1623840

### Technical data

#### Data of the insulating body

|   |                                   |
|---|-----------------------------------|
| Application                                     | Signal                            |
| Number of positions                             | 19                                |
| Direction of rotation                           | Standard                          |
| 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>                 |
| Rated current for power contacts                | 10 A                              |
| Note  | for max. connection cross section |
| Rated voltage of 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              | 8 A                               |
| Note  | for max. connection cross section |
| Rated voltage of signal contact                 | 150 V                             |
| Rated surge voltage                             | 1.5 kV                            |
| Overvoltage category                            | II                                |
| Degree of pollution                             | 3                                 |
| Note  | for max. connection cross section |

#### 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   | 10 mm ... 14.5 mm |
| Sealing material | NBR               |

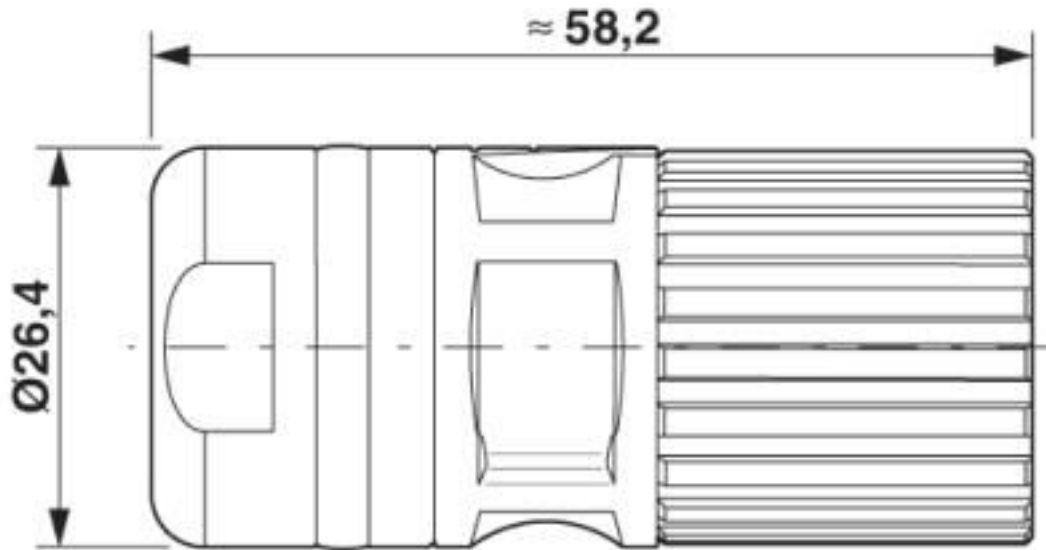
#### Environmental Product Compliance

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

# Cable connector - CA-1RS1N8A8008 - 1623840

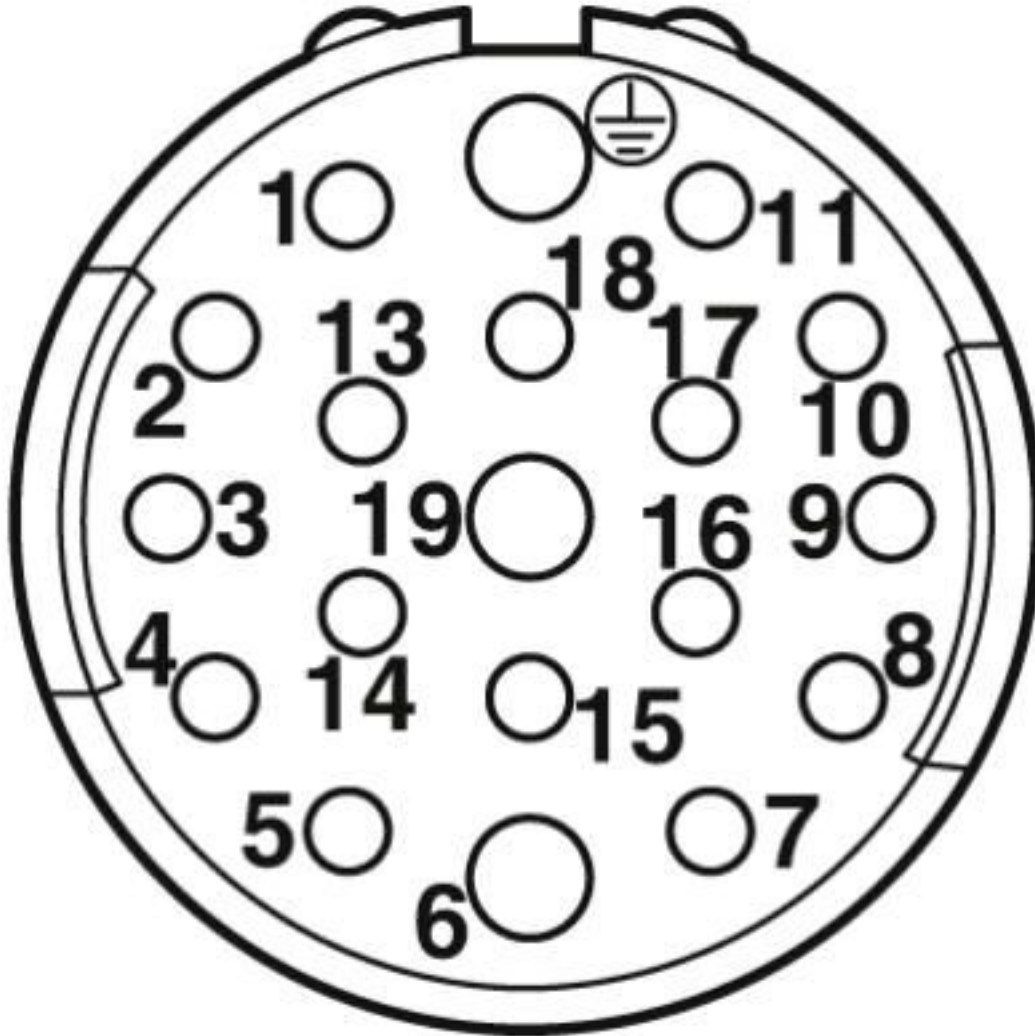
## Drawings

Dimensional drawing



# Cable connector - CA-1RS1N8A8008 - 1623840

Schematic diagram



## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440102 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |
| eCl@ss 6.0    | 27260700 |
| eCl@ss 7.0    | 27440102 |

# Cable connector - CA-1RS1N8A8008 - 1623840

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 8.0 | 27440102 |
| eCl@ss 9.0 | 27440102 |

### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002635 |
| ETIM 6.0 | EC002635 |
| ETIM 7.0 | EC002635 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121413 |
| UNSPSC 18.0 | 39121413 |
| UNSPSC 19.0 | 39121413 |
| UNSPSC 20.0 | 39121413 |
| UNSPSC 21.0 | 39121413 |

## Approvals

### Approvals

---

#### Approvals


UL Recognized / cUL Recognized / EAC / 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  |   |                  |

# Cable connector - CA-1RS1N8A8008 - 1623840

## 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  |                  |

|     |  |         |
|-----|--|---------|
| EAC |  | B.01687 |
|-----|--|---------|

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

## Accessories

### Accessories

#### Crimp contact

Crimp contact - RC-11S2000 - 1596772



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

Crimp contact - RC-12S2000 - 1599600



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>

## Cable connector - CA-1RS1N8A8008 - 1623840

### Accessories

Crimp contact - RC-1KS2000 - 1602998



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm<sup>2</sup> ... 1 mm<sup>2</sup>

---

Crimp contact - RC-15S2000 - 1623775



Crimp contact, turned, contact diameter: 1.5 mm, crimp range: 0.5 mm<sup>2</sup> ... 1 mm<sup>2</sup>

---

Crimp contact - RC-15S2200 - 1627290



Crimp contact, turned, contact diameter: 1.5 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

---

### Mounting material

Torque screwdriver - SF-Z0028 - 1607456



Torque screwdriver

---

Square mounting flange - RF-Z0003 - 1607905



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm

---

## Cable connector - CA-1RS1N8A8008 - 1623840

### Accessories

Special wrench - RF-Z0007 - 1614347



Special wrench

---

Color-coding - RF-Z0014 - 1620588



Color-coding, color: green

---

Color-coding - RF-Z0015 - 1620592



Color-coding, color: orange

---

Color-coding - RF-Z0016 - 1620593



Color-coding, color: black

---

### Protective cover

Protective cap - RC-Z2058 - 1604223



Plastic protection cap for connectors with M23 knurled nut

---



## Cable connector - CA-1RS1N8A8008 - 1623840

### Accessories

Plastic anti-static dust protection cap - RC-Z2468 - 1611796



Plastic protection cap, antistatic, for connectors with M23 knurled nut

---

Metal protective cap - CA-Z0077 - 1627224



Metal protection cap with steel wire and loop, for M23 signal connectors with knurled nut for fastening to the cable

---

Hook wrench - SF-Z0027 - 1607455



Hook wrench

---