

CA-16S1N8A80DNS - Cable connector



1619587

<https://www.phoenixcontact.com/us/products/1619587>

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M23, Cable connector, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1243678

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
- Reduced connection time with SPEEDCON fast locking system
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1619587 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB33 |
| Product key | ABRAEB |
| GTIN | 4046356822879 |
| Weight per piece (including packing) | 95.91 g |
| Weight per piece (excluding packing) | 95.91 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|---------|--|
| General | Order 6 x Ø 1 mm crimp contacts separately |
|---------|--|

Product properties

| | |
|--------------|---------------------------------|
| Product type | Circular connector (cable-side) |
|--------------|---------------------------------|

Connector

Connection 1

| | |
|-------------|--------|
| Head design | Socket |
|-------------|--------|

Insulating body

| | |
|---|---|
| Note | Order information: Order 6 x Ø 1 mm crimp contacts separately |
| Coding | N |
| Insulation body material | PA 6.6 |
| Connection method | Crimp connection |
| Contact switching type | Socket |
| Application | Signal |
| Number of positions | 16 |
| Direction of rotation | Standard |
| Connection profile | 16 |
| Contact diameter Signal contacts | 1 mm |
| Litz wire cross-section Signal contacts min. | 0.08 mm ² |
| Litz wire cross-section Signal contacts max. | 1 mm ² |
| Nominal current per signal contact | 8 A |
| Rated voltage Signal contact | 48 V AC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |

Housing

| | |
|-----------------------------------|-------------|
| Housing material | CuZn, GD-Zn |
| Type of locking | SPEEDCON |
| Pg screw connection | none |
| Degree of protection (plugged in) | IP67 |
| Thread type | M23 |

Seal

| | |
|-------------------------|------------------|
| External cable diameter | 3 mm ... 14.5 mm |
| Seal material | NBR |

Environmental and real-life conditions

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Ambient conditions

Ambient temperature (operation)

-40 °C ... 125 °C

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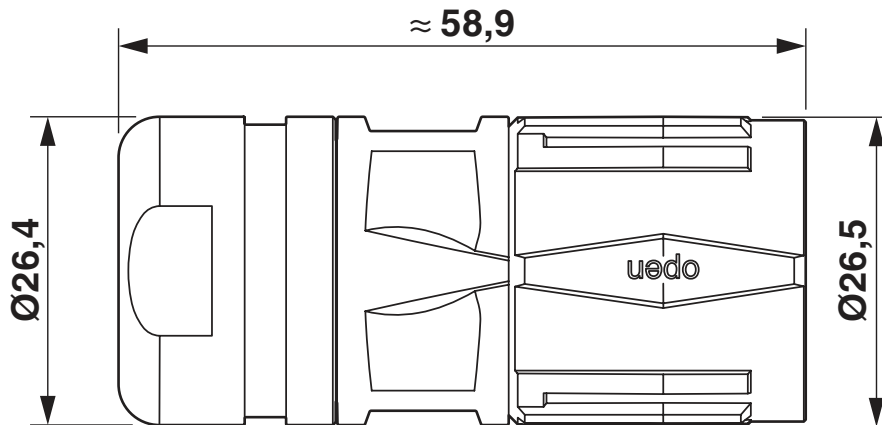


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Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619587>

|  cUL Recognized Approval ID: E335019-20141210 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 48 V | 3 A | - 20 | - |

|  UL Recognized Approval ID: E335019-20141210 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 48 V | 5 A | - 20 | - |

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

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC002635 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

| | |
|------------|--|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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Accessories

RC-11S2000 - Crimp contact

1596772

<https://www.phoenixcontact.com/us/products/1596772>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241093

RC-12S2000 - Crimp contact

1599600

<https://www.phoenixcontact.com/us/products/1599600>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.56 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241093

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RC-1KS2000 - Crimp contact

1602998

<https://www.phoenixcontact.com/us/products/1602998>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241572

RC-Z2058 - Protective cap

1604223

<https://www.phoenixcontact.com/us/products/1604223>



Plastic protection cap for connectors with M23 knurled nut

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RC-Z2468 - Protective cap

1611796

<https://www.phoenixcontact.com/us/products/1611796>

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



SF-Z0028 - Torque screwdriver

1607456

<https://www.phoenixcontact.com/us/products/1607456>

Torque screwdriver, series: RC



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SF-Z0027 - Hook wrench

1607455

<https://www.phoenixcontact.com/us/products/1607455>



Hook wrench, series: RC

RF-Z0014 - Color-coding

1620588

<https://www.phoenixcontact.com/us/products/1620588>



Color-coding, color: green

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RF-Z0015 - Color-coding

1620592

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Color-coding, color: orange



RF-Z0016 - Color-coding

1620593

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Color-coding, color: black



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RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/us/products/1607905>



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1242369

RC-22S2000 - Crimp contact

1603327

<https://www.phoenixcontact.com/us/products/1603327>



Crimp contact, Socket, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm², Single contact, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

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RC-22S2400 - Crimp contact

1603332

<https://www.phoenixcontact.com/us/products/1603332>



Crimp contact, Socket, rolled, Taped articles, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm², Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

RC-22S2300 - Crimp contact

1603330

<https://www.phoenixcontact.com/us/products/1603330>



Crimp contact, Socket, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm², Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

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CA-Z0077 - Metal protective cap

1627224

<https://www.phoenixcontact.com/us/products/1627224>



Metal protective cap, degree of protection: IP67, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245447

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