

# CA-16S1N8A8007 - Cable connector



1619704

<https://www.phoenixcontact.com/pc/products/1619704>

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M23, Cable connector, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos. : 16, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1243756

## 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

## Commercial data

Item number	1619704
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABRAEA
GTIN	4046356822114
Weight per piece (including packing)	92.533 g
Weight per piece (excluding packing)	83.3 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
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### Product properties

Product type	Circular connector (cable-side)
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### Connector

#### Connection 1

Head design	Socket
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#### 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 <b>Signal contacts</b>	1 mm
Litz wire cross-section <b>Signal contacts</b> min.	0.08 mm <sup>2</sup>
Litz wire cross-section <b>Signal contacts</b> max.	1 mm <sup>2</sup>
Nominal current per signal contact	8 A
Rated voltage <b>Signal contact</b>	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

#### Housing

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking mechanism
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

#### Seal

External cable diameter	6 mm ... 10 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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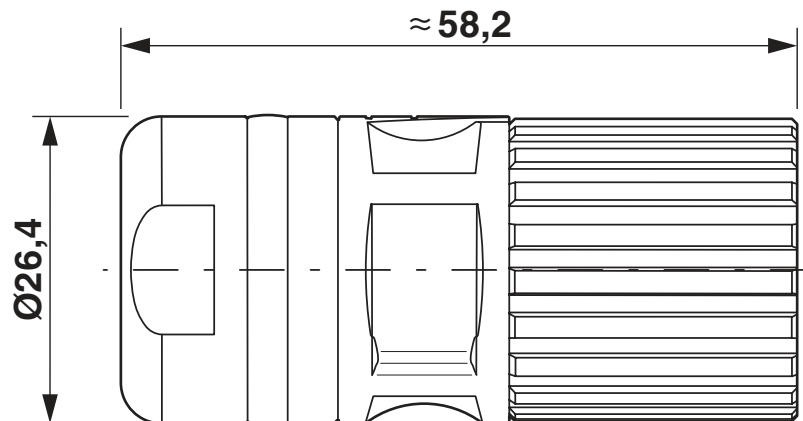
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## Drawings

Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1619704>

 <b>cUL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	48 V	3 A	- 20	-

 <b>UL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	48 V	5 A	- 20	-

<b>cULus Recognized</b>				
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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC002635
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### 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/pc/products/1596772>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241093

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### RC-12S2000 - Crimp contact

1599600

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



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, 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/pc/products/1602998>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm<sup>2</sup> ... 1 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241572

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## RC-Z2058 - Protective cap

1604223

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



Plastic protection cap for connectors with M23 knurled nut

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## RC-Z2468 - Protective cap

1611796

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

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



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## CA-Z0077 - Metal protective cap

1627224

<https://www.phoenixcontact.com/pc/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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## SF-Z0028 - Torque screwdriver

1607456

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



Torque screwdriver, series: RC

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## SF-Z0027 - Hook wrench

1607455

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



Hook wrench, series: RC

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## RF-Z0014 - Color-coding

1620588

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Color-coding, color: green



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## RF-Z0015 - Color-coding

1620592

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Color-coding, color: orange



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## RF-Z0016 - Color-coding

1620593

<https://www.phoenixcontact.com/pc/products/1620593>

Color-coding, color: black



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## RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/pc/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

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## RC-22S2000 - Crimp contact

1603327

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



Crimp contact, Socket, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, 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/pc/products/1603332>



Crimp contact, Socket, rolled, Taped articles, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

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## RC-22S2300 - Crimp contact

1603330

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



Crimp contact, Socket, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

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