

CA-16P1N8A8006 - Cable connector



1619731
<https://www.phoenixcontact.com/pc/products/1619731>

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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: Pin, Crimp connection, cable diameter range: 4 mm ... 6 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1243783

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	1619731
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAEA
GTIN	4046356821865
Weight per piece (including packing)	88.3 g
Weight per piece (excluding packing)	88 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

Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	16
Direction of rotation	Standard
Connection profile	16
Contact diameter	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	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	4 mm ... 6 mm
Seal material	NBR

Environmental and real-life conditions

Ambient conditions

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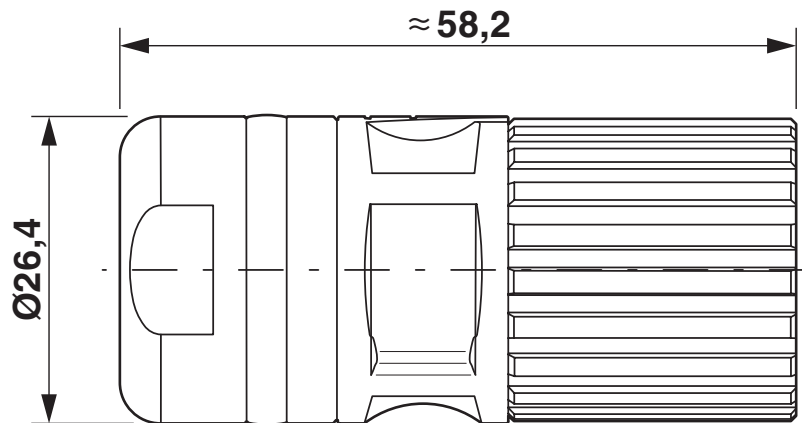


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Drawings

Dimensional drawing



Technical drawings can be found under Downloads

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1619731>

 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 9.0	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

CA-Z0077 - Metal protective cap

1627224

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

SF-Z0028 - Torque screwdriver

1607456

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Torque screwdriver, series: RC

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SF-Z0027 - Hook wrench

1607455

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Hook wrench, series: RC

RF-Z0014 - Color coding

1620588

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Color coding, color: green

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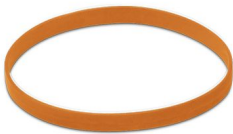
<https://www.phoenixcontact.com/pc/products/1619731>

RF-Z0015 - Color coding

1620592

<https://www.phoenixcontact.com/pc/products/1620592>

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

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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

PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

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Plastic protective cap, M23, degree of protection: IP20, series: CA

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RC-11P2000 - Crimp contact

1596770

<https://www.phoenixcontact.com/pc/products/1596770>



Crimp contact, Pin, 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.: 1240882

RC-12P2000 - Crimp contact

1597862

<https://www.phoenixcontact.com/pc/products/1597862>



Crimp contact, Pin, 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.: 1240882

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RC-1KP2000 - Crimp contact

1602996

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Crimp contact, Pin, 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.: 1241571

RC-22P2000 - Crimp contact

1603321

<https://www.phoenixcontact.com/pc/products/1603321>



Crimp contact, Pin, 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-22P2300 - Crimp contact

1603324

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Crimp contact, Pin, rolled, Taped product, 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%)

RC-22P2400 - Crimp contact

1603325

<https://www.phoenixcontact.com/pc/products/1603325>



Crimp contact, Pin, rolled, Taped product, 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%)

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RC-21P2000 - Crimp contact

1603310

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Crimp contact, Pin, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm², Single contact

RC-21P2300 - Crimp contact

1603313

<https://www.phoenixcontact.com/pc/products/1603313>



Crimp contact, Pin, rolled, Taped product, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm²

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RC-21P2400 - Crimp contact

1611637

<https://www.phoenixcontact.com/pc/products/1611637>



Crimp contact, Pin, rolled, Taped product, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm²

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