

Cable connector - CA-09P1N8AT0DN



1619332

<https://www.phoenixcontact.com/us/products/1619332>

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M23, Cable connector, CA, angled, shielded: yes, Screw locking, No. of pos.: 8+1, Direction of rotation: Standard, type of contact: Pin, 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%) 1243453



Your advantages

- Angled cable outlet for confined spaces
- Can be adapted to various applications, thanks to adjustable cable outlet direction
- 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	1619332
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	A12
Product Key	ABRBFB
Catalog Page	Page 92 (C-2-2019)
GTIN	4046356825122
Weight per Piece (including packing)	187.4 g
Weight per Piece (excluding packing)	187.4 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

Notes

Order information:	Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm 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 8 x Ø 1 mm, 1 x Ø 2 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact type	Pin
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Contact diameter Power contacts	2 mm
Litz wire cross-section Power contacts min.	1 mm ²
Litz wire cross-section Power contacts max.	2.5 mm ²
Rated current Power contacts	20 A
Rated voltage	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
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

Housing

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

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Seal

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

Ambient conditions

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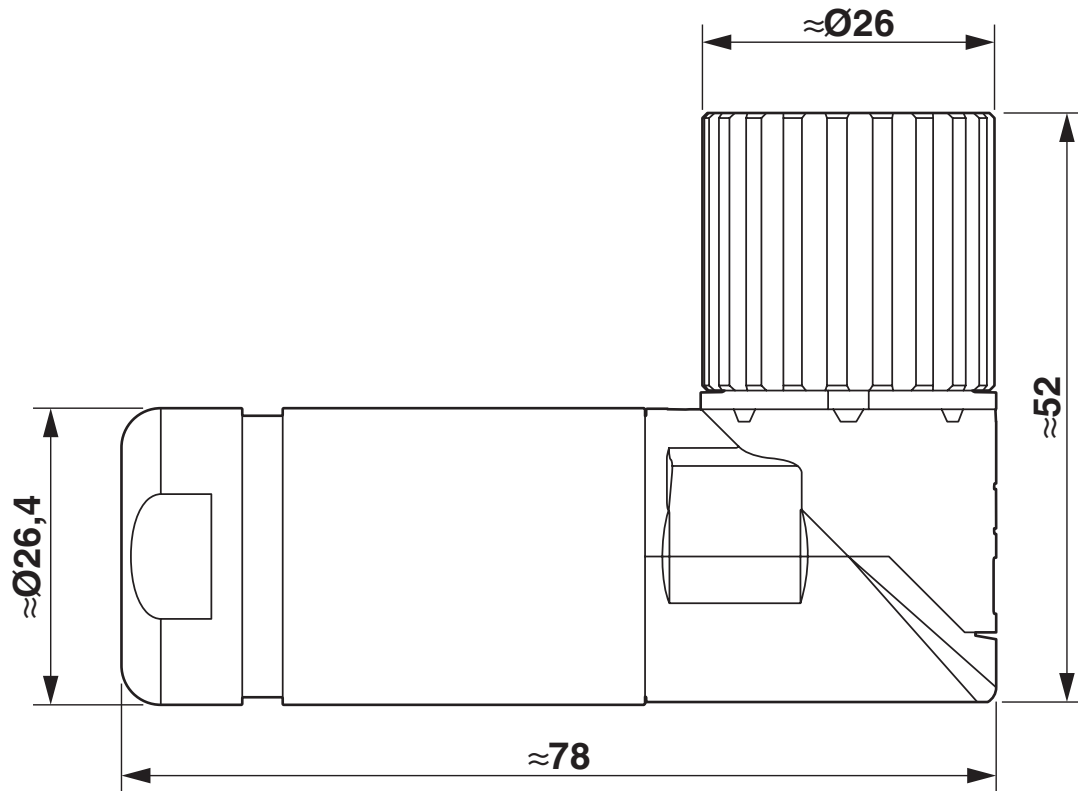
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Drawings

Dimensional drawing



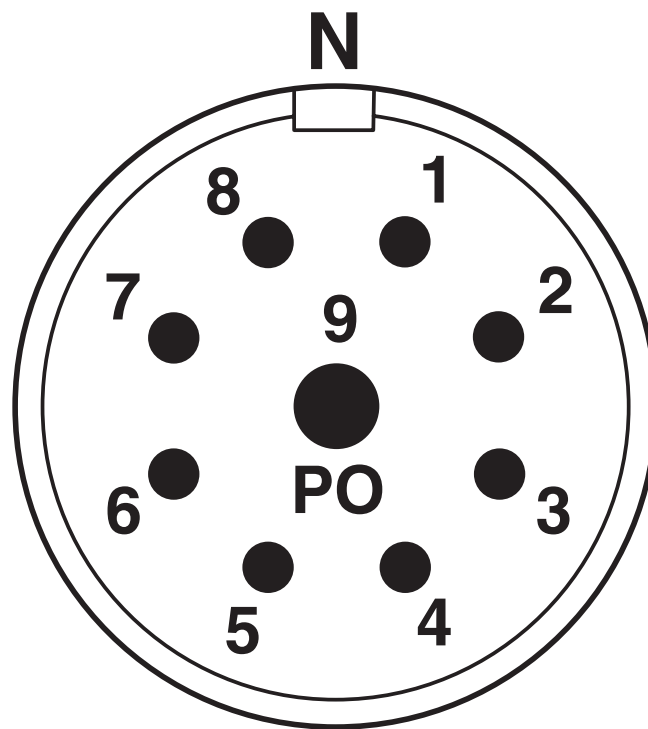
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Schematic diagram




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Approvals

 cUL Recognized Approval ID: E335019-20141210				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Power	48 V	12 A	- 14	-
Signal	48 V	4 A	- 20	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Power	48 V	20 A	- 14	-
Signal	48 V	6 A	- 20	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

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

Crimp contact

Crimp contact - RC-5CP2000 - 1603513

<https://www.phoenixcontact.com/us/products/1603513>



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1 mm² ... 1.5 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1241634

Crimp contact

Crimp contact - RC-5AP2000 - 1603505

<https://www.phoenixcontact.com/us/products/1603505>



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1.5 mm² ... 2.5 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1241634

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Crimp contact

Crimp contact - RC-5SP2000 - 1603529

<https://www.phoenixcontact.com/us/products/1603529>



Crimp contact, turned, contact diameter: 2 mm, crimp range: 0.5 mm² ... 0.75 mm²

Protective cap

Protective cap - RC-Z2058 - 1604223

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



Plastic protection cap for connectors with M23 knurled nut

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Plastic anti-static dust protection cap

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

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

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



Torque screwdriver

Torque screwdriver - SF-Z0028 - 1607456

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

Torque screwdriver, series: RC



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Hook wrench

Hook wrench - SF-Z0027 - 1607455

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Hook wrench, series: RC

Color-coding

Color-coding - RF-Z0014 - 1620588

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Color-coding, color: green

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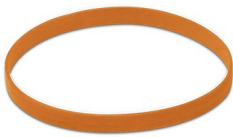
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Color-coding

Color-coding - RF-Z0015 - 1620592

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

Color-coding, color: orange



Color-coding

Color-coding - RF-Z0016 - 1620593

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Color-coding, color: black



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Crimp contact

Crimp contact - RC-11P2000 - 1596770

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



Crimp contact, 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%) 1240882

Crimp contact

Crimp contact - RC-12P2000 - 1597862

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



Crimp contact, 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%) 1240882

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Crimp contact

Crimp contact - RC-1KP2000 - 1602996

<https://www.phoenixcontact.com/us/products/1602996>



Crimp contact, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm² ... 1 mm²

Crimp contact

Crimp contact - RC-22P2000 - 1603321

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



Crimp contact, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm², Single contact

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Crimp contact

Crimp contact - RC-22P2300 - 1603324

<https://www.phoenixcontact.com/us/products/1603324>



Crimp contact, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm²

Crimp contact

Crimp contact - RC-22P2400 - 1603325

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



Crimp contact, rolled, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm²

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Crimp contact

Crimp contact - RC-21P2000 - 1603310

<https://www.phoenixcontact.com/us/products/1603310>



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

Crimp contact

Crimp contact - RC-21P2300 - 1603313

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



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

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Crimp contact

Crimp contact - RC-21P2400 - 1611637

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



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

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com