

CA-07P1N8AT008 - Cable connector



1620191

<https://www.phoenixcontact.com/us/products/1620191>

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M23, Cable connector, series: CA, angled, shielded: yes, Screw locking mechanism, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 10 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1244080



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	1620191
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEC
Catalog page	Page 92 (C-2-2019)
GTIN	4046356818544
Weight per piece (including packing)	186.9 g
Weight per piece (excluding packing)	186.9 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Circular connector (cable-side)
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Connector

Insulating body

Note	Order information: Order 7 x Ø 2 mm crimp contacts separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	7
Direction of rotation	Standard
Connection profile	7
Contact diameter Signal contacts	2 mm
Litz wire cross-section Signal contacts min.	1 mm ²
Litz wire cross-section Signal contacts max.	2.5 mm ²
Nominal current per signal contact	20 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	10 mm ... 14.5 mm
Seal material	NBR

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

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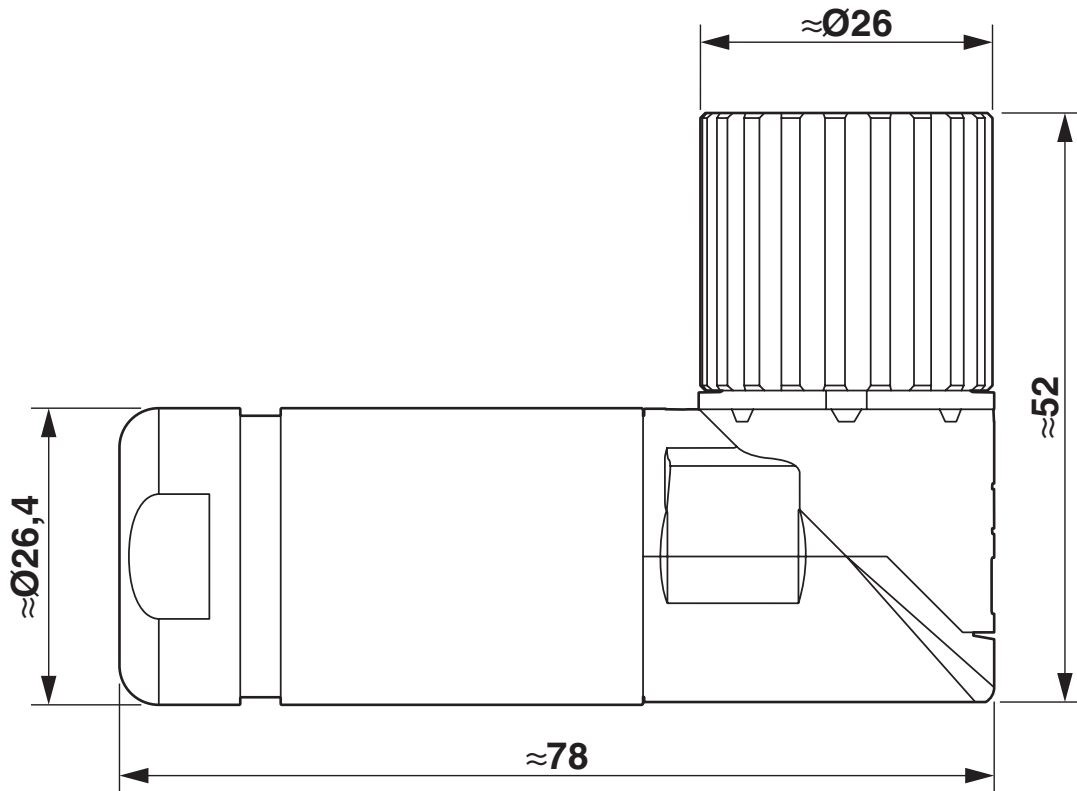


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Drawings

Dimensional drawing



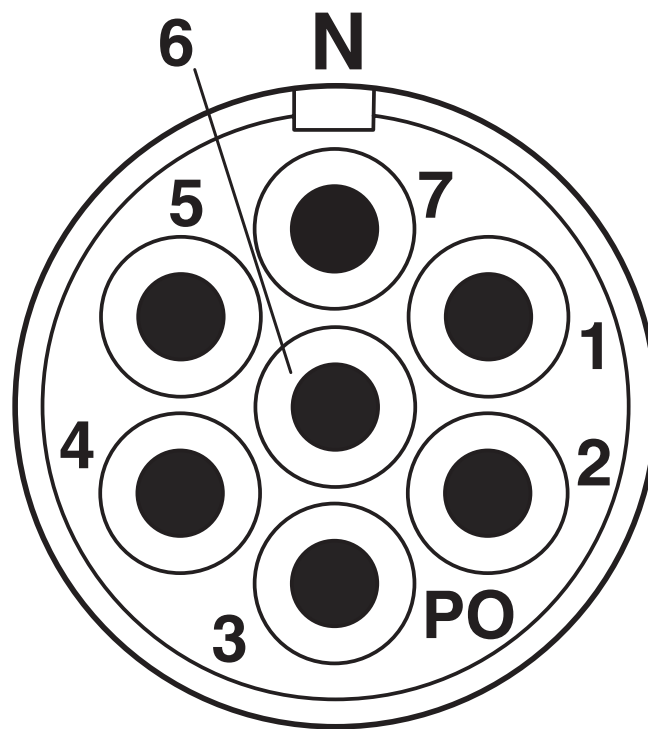
Dimensional drawing

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Schematic diagram



Connector pin assignment

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1620191>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	10 A	- 14	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	17 A	- 14	-

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

<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

SF-Z0028 - Torque screwdriver

1607456

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



Torque screwdriver, series: RC, UC, SH, SF

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SF-Z0027 - Hook wrench

1607455

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



Hook wrench, series: RC, UC, RF, SF

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

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

Color coding, color: orange



RF-Z0016 - Color coding

1620593

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

Color coding, color: black



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RC-5CP2000 - Crimp contact

1603513

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



Crimp contact, Pin, 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 %) item no.: 1241634

RC-5AP2000 - Crimp contact

1603505

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



Crimp contact, Pin, 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 %) item no.: 1241634

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RC-5SP2000 - Crimp contact

1603529

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



Crimp contact, Pin, turned, contact diameter: 2 mm, crimp range: 0.5 mm² ... 0.75 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241632

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

1577206

<https://www.phoenixcontact.com/us/products/1577206>



Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM

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