CA-07P1N8AT006 - Cable connector

1620284

https://www.phoenixcontact.com/us/products/1620284

PHŒNIX CONTACT

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M23, Cable connector, series: CA, angled, shielded: yes, Screw locking, No. of pos.: 7, 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.: 1244133

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	1620284
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	AB33
Product Key	ABRAEC
Catalog Page	Page 92 (C-2-2019)
GTIN	4046356818025
Weight per Piece (including packing)	188.3 g
Weight per Piece (excluding packing)	188.3 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

Product properties

Product type	Circular connector (cable-side)

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 mm²
Litz wire cross-section Signal contacts max.	2.5 mm²
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
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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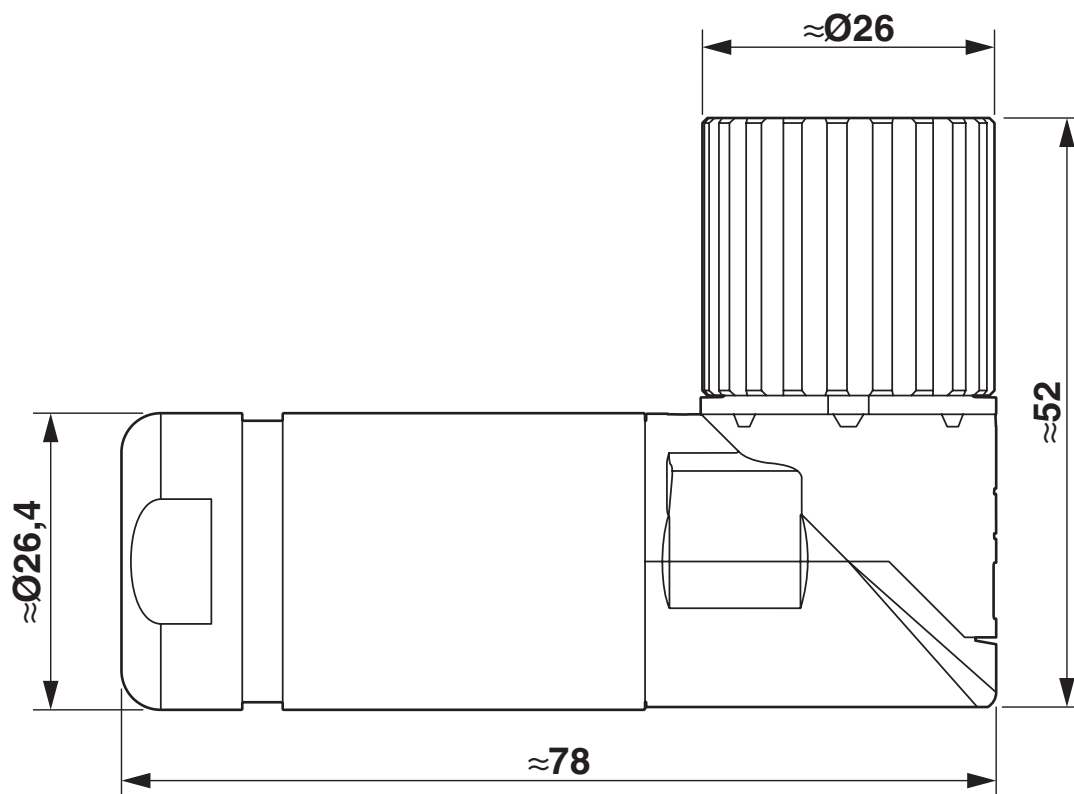1620284

https://www.phoenixcontact.com/us/products/1620284
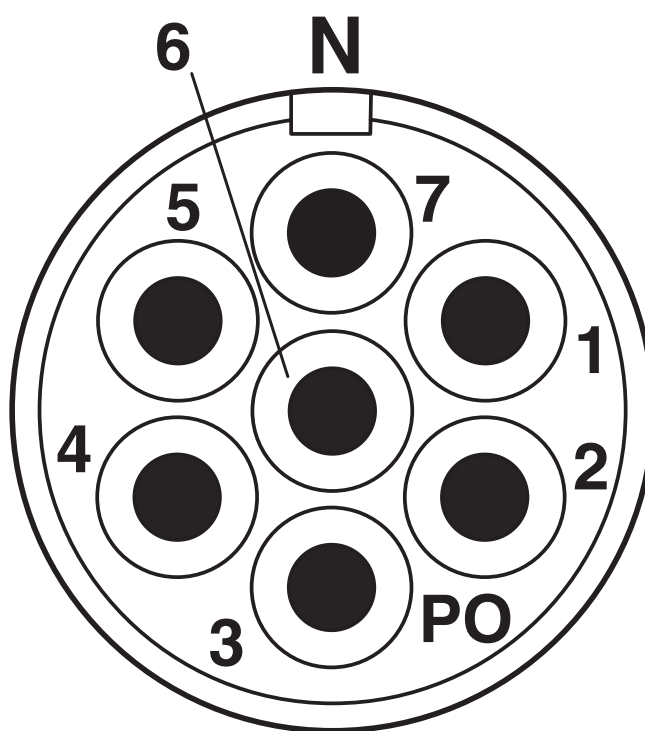
Drawings

Dimensional drawing

Dimensional drawing

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Schematic diagram

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1620284

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 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-Z2058 - Protective cap

1604223

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

Plastic protection cap for connectors with M23 knurled nut

RC-Z2468 - Protective cap

1611796

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

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

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https://www.phoenixcontact.com/us/products/1620284

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

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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

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

Color-coding, color: orange
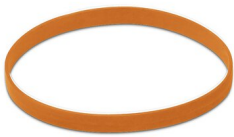
RF-Z0016 - Color-coding

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 mm^2 ... 1.5 mm^2, 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 mm^2 ... 2.5 mm^2, 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 mm^2 ... 0.75 mm^2, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241632

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