

# Cable connector - CA-07P1N8AT008



1620191

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

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Cable connector, CA, angled, shielded: yes, Screw locking, M23, No. of pos.: 7, Direction of rotation: Standard, type of contact: Pin, Crimp connection, cable diameter range: 10 mm ... 14.5 mm, coding:N



## 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

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## Commercial Data

Item number	1620191
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	A12
Product Key	ABRBFB
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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### Ambient conditions

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

#### Insulating body

Application	Signal
Number of positions	7
Contact type	Pin
Coding	N
Connection method	Crimp connection
Connection profile	7
Direction of rotation	Standard
Material	PA 6.6

#### Housing

Type of locking	Screw locking
Thread type	M23
Degree of protection	IP67
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Seal material	NBR
External cable diameter	10 mm ... 14.5 mm

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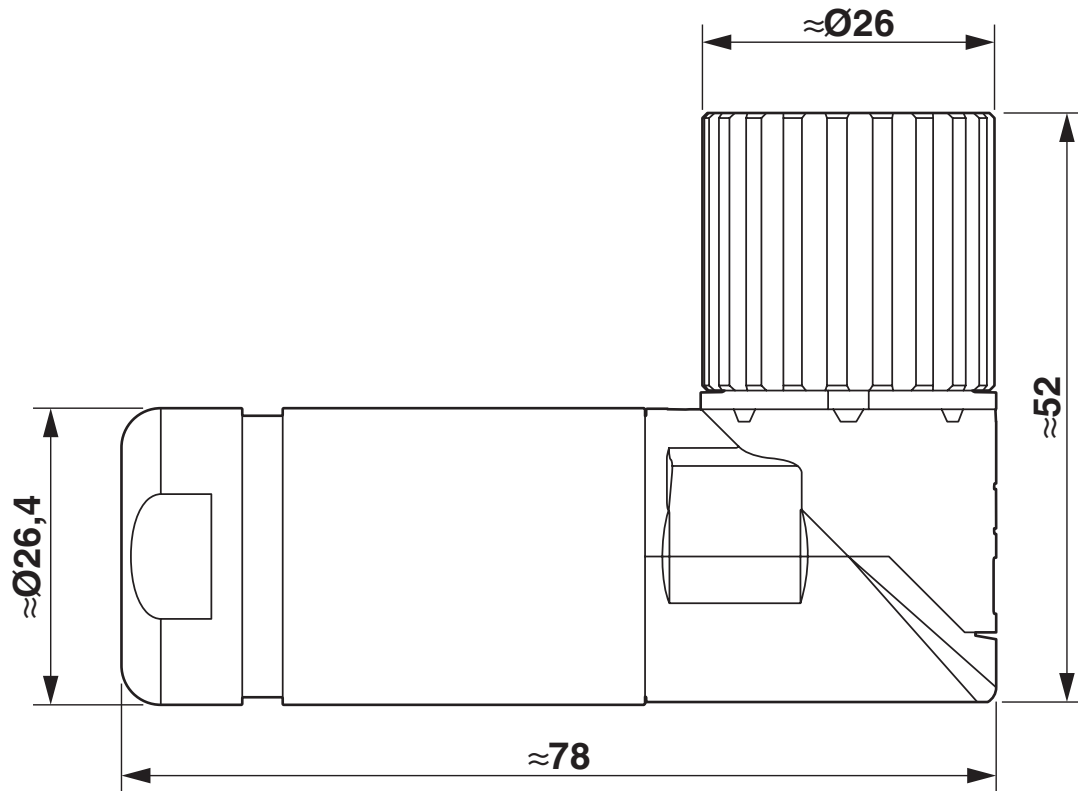
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## Drawings

Dimensional drawing



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## Approvals

cUL Recognized Approval ID: E335019-20141210				
	Nominal Voltage U <sub>N</sub>	Nominal Current I <sub>N</sub>	Cross Section AWG	Cross Section mm <sup>2</sup>
	48 V	10 A	- 14	-

UL Recognized Approval ID: E335019-20141210				
	Nominal Voltage U <sub>N</sub>	Nominal Current I <sub>N</sub>	Cross Section AWG	Cross Section mm <sup>2</sup>
	48 V	17 A	- 14	-

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

### 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





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## Metal protective cap

Metal protective cap - CA-Z0077 - 1627224

<https://www.phoenixcontact.com/us/products/1627224>



Metal protection cap with steel wire and loop, for M23 signal connectors with knurled nut for fastening to the cable

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## 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

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



Hook wrench, series: RC

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## Color-coding

Color-coding - RF-Z0014 - 1620588

<https://www.phoenixcontact.com/us/products/1620588>



Color-coding, color: green

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## Color-coding

Color-coding - RF-Z0015 - 1620592

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

Color-coding, color: orange



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## Color-coding

Color-coding - RF-Z0016 - 1620593

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

Color-coding, color: black



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## Crimp contact

Crimp contact - RC-5CP2000 - 1603513

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



Crimp contact, turned, contact diameter: 2 mm, crimp range: 1 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

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## 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 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

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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 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>

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