

CA-17P1N8AT007 - Cable connector

1620215

<https://www.phoenixcontact.com/us/products/1620215>



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

M23, Cable connector, series: CA, angled, shielded: yes, Screw locking mechanism, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1244090



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	1620215
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEC
Catalog page	Page 93 (C-2-2019)
GTIN	4046356818445
Weight per piece (including packing)	185.6 g
Weight per piece (excluding packing)	185.6 g
Customs tariff number	85366990
Country of origin	DE

CA-17P1N8AT007 - Cable connector

1620215

<https://www.phoenixcontact.com/us/products/1620215>



Technical data

Notes

General	Order 17 x 1 mm crimp contacts separately
---------	-------------------------------------------

Product properties

Product type	Circular connector (cable-side)
--------------	---------------------------------

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	17
Direction of rotation	Standard
Connection profile	17
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
Note	for max. connection cross section
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV
Overtvoltage 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	6 mm ... 10 mm
Seal material	NBR

Environmental and real-life conditions

Ambient conditions

CA-17P1N8AT007 - Cable connector

1620215

<https://www.phoenixcontact.com/us/products/1620215>



Ambient temperature (operation)

-40 °C ... 125 °C

CA-17P1N8AT007 - Cable connector

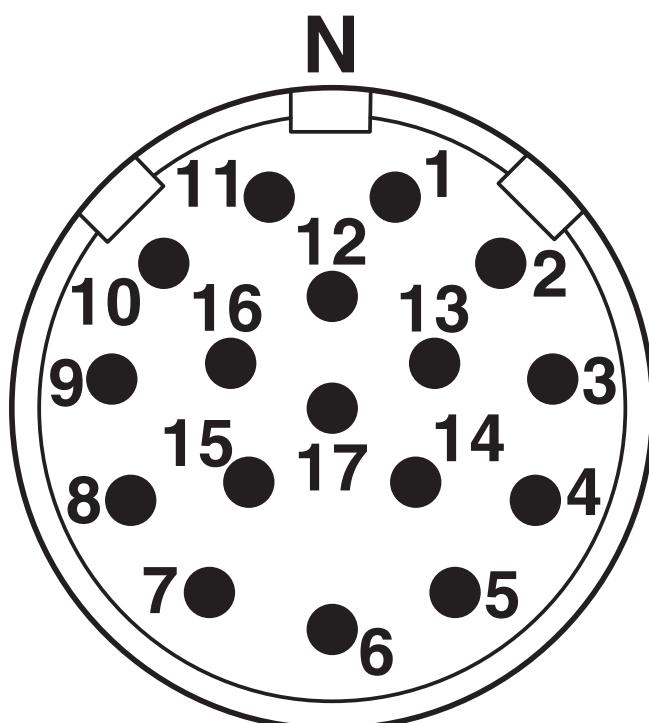
1620215

<https://www.phoenixcontact.com/us/products/1620215>



Drawings

Schematic diagram



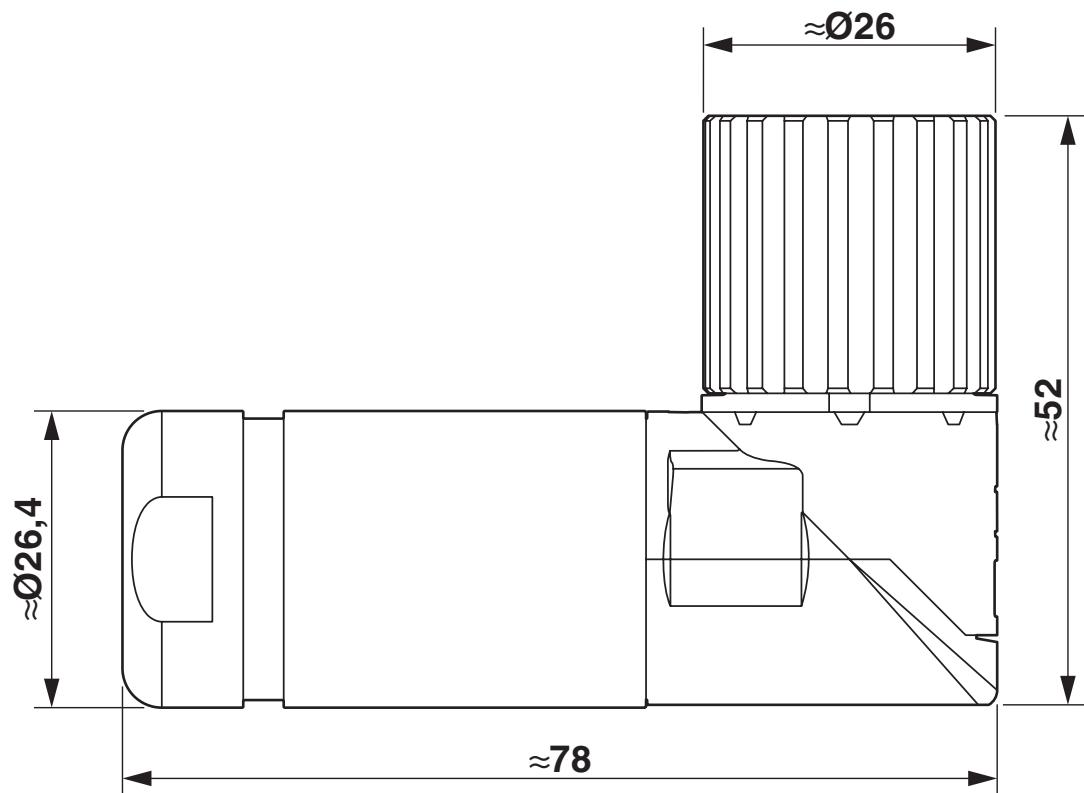
CA-17P1N8AT007 - Cable connector

1620215

<https://www.phoenixcontact.com/us/products/1620215>



Dimensional drawing



Dimensional drawing

CA-17P1N8AT007 - Cable connector

1620215

<https://www.phoenixcontact.com/us/products/1620215>



Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1620215>

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

CA-17P1N8AT007 - Cable connector

1620215

<https://www.phoenixcontact.com/us/products/1620215>



Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

CA-17P1N8AT007 - Cable connector

1620215

<https://www.phoenixcontact.com/us/products/1620215>



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"

CA-17P1N8AT007 - Cable connector

1620215

<https://www.phoenixcontact.com/us/products/1620215>



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



CA-17P1N8AT007 - Cable connector

1620215

<https://www.phoenixcontact.com/us/products/1620215>



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



CA-17P1N8AT007 - Cable connector



1620215

<https://www.phoenixcontact.com/us/products/1620215>

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



CA-17P1N8AT007 - Cable connector

1620215

<https://www.phoenixcontact.com/us/products/1620215>



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-11P2000 - Crimp contact

1596770

<https://www.phoenixcontact.com/us/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



CA-17P1N8AT007 - Cable connector



1620215

<https://www.phoenixcontact.com/us/products/1620215>

RC-12P2000 - Crimp contact

1597862

<https://www.phoenixcontact.com/us/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

RC-1KP2000 - Crimp contact

1602996

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



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

CA-17P1N8AT007 - Cable connector



1620215

<https://www.phoenixcontact.com/us/products/1620215>

RC-22P2000 - Crimp contact

1603321

<https://www.phoenixcontact.com/us/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%)

RC-22P2300 - Crimp contact

1603324

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



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%)

CA-17P1N8AT007 - Cable connector



1620215

<https://www.phoenixcontact.com/us/products/1620215>

RC-22P2400 - Crimp contact

1603325

<https://www.phoenixcontact.com/us/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%)

RC-21P2000 - Crimp contact

1603310

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

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



CA-17P1N8AT007 - Cable connector



1620215

<https://www.phoenixcontact.com/us/products/1620215>

RC-21P2300 - Crimp contact

1603313

<https://www.phoenixcontact.com/us/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

RC-21P2400 - Crimp contact

1611637

<https://www.phoenixcontact.com/us/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

Phoenix Contact 2023 © - all rights reserved
<https://www.phoenixcontact.com>

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