

# Cable connector - CA-16P1N8AT006

1620271

<https://www.phoenixcontact.com/us/products/1620271>



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, CA, angled, shielded: yes, Screw locking, No. of pos.: 16, Direction of rotation: Standard, type of contact: 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.: 1244120



## 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	1620271
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	A12
Product Key	ABRBFB
GTIN	4046356818148
Weight per Piece (including packing)	188.2 g
Weight per Piece (excluding packing)	188.2 g
Customs tariff number	85366990
Country of origin	DE

# Cable connector - CA-16P1N8AT006

1620271

<https://www.phoenixcontact.com/us/products/1620271>



## Technical Data

### Notes

Order information:	Order 6 x Ø 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 type	Pin
Application	Signal
Number of positions	16
Direction of rotation	Standard
Connection profile	16
Contact diameter <b>Signal contacts</b>	1 mm
Litz wire cross-section <b>Signal contacts</b> min.	0.08 mm <sup>2</sup>
Litz wire cross-section <b>Signal contacts</b> max.	1 mm <sup>2</sup>
Nominal current per signal contact	8 A
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV
Overshoot 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

### Ambient conditions

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

# Cable connector - CA-16P1N8AT006

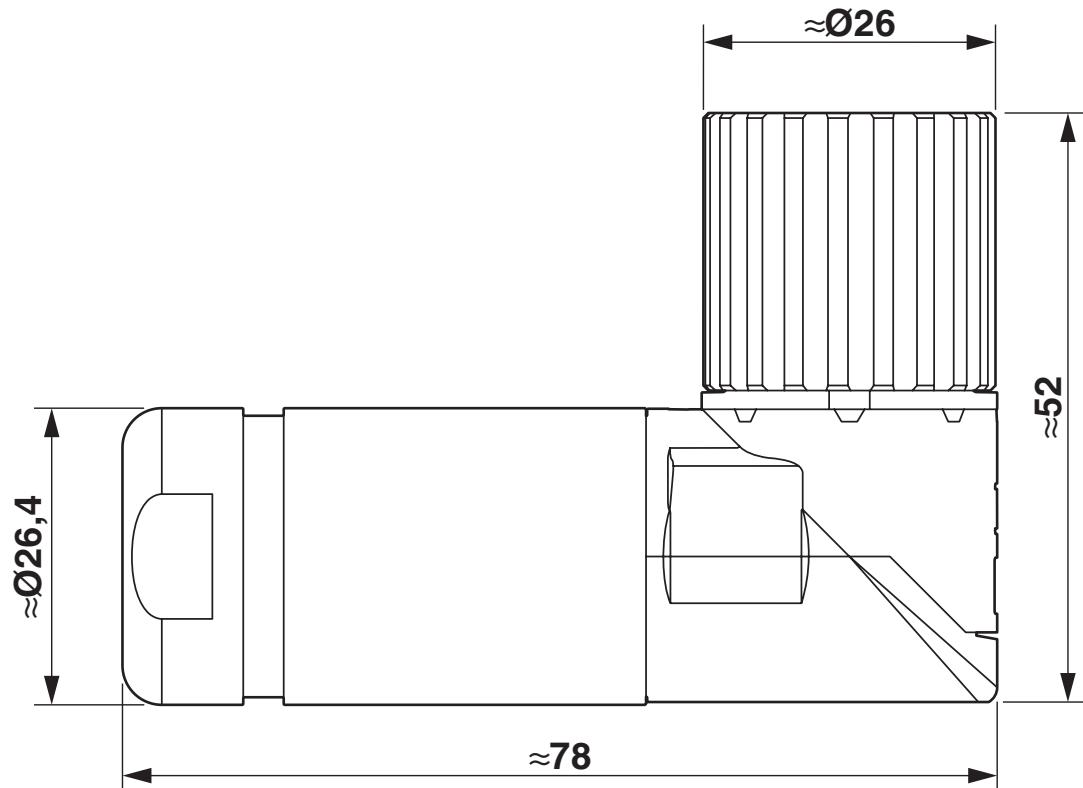
1620271

<https://www.phoenixcontact.com/us/products/1620271>



## Drawings

Dimensional drawing



# Cable connector - CA-16P1N8AT006

1620271

<https://www.phoenixcontact.com/us/products/1620271>



## Approvals

<b>cUL Recognized</b> Approval ID: E335019-20141210	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
	48 V	3 A	- 20	-

<b>UL Recognized</b> Approval ID: E335019-20141210	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
	48 V	5 A	- 20	-

<b>cULus Recognized</b>
-------------------------

# Cable connector - CA-16P1N8AT006

1620271

<https://www.phoenixcontact.com/us/products/1620271>



## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC002635
----------	----------

### UNSPSC

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

# Cable connector - CA-16P1N8AT006

1620271

<https://www.phoenixcontact.com/us/products/1620271>



## 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"

# Cable connector - CA-16P1N8AT006

1620271

<https://www.phoenixcontact.com/us/products/1620271>



## Accessories

### Protective cap

Protective cap - RC-Z2058 - 1604223

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

Plastic protection cap for connectors with M23 knurled nut



---

### 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



# Cable connector - CA-16P1N8AT006

1620271

<https://www.phoenixcontact.com/us/products/1620271>



## Metal protective cap

Metal protective cap - CA-Z0077 - 1627224

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

Metal protective cap, degree of protection: IP67



---

## Torque screwdriver

Torque screwdriver - SF-Z0028 - 1607456

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

Torque screwdriver, series: RC



# Cable connector - CA-16P1N8AT006

1620271

<https://www.phoenixcontact.com/us/products/1620271>



## Hook wrench

Hook wrench - SF-Z0027 - 1607455

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

Hook wrench, series: RC



---

## Color-coding

Color-coding - RF-Z0014 - 1620588

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

Color-coding, color: green



# Cable connector - CA-16P1N8AT006

1620271

<https://www.phoenixcontact.com/us/products/1620271>



## 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

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

Color-coding, color: black



# Cable connector - CA-16P1N8AT006



1620271

<https://www.phoenixcontact.com/us/products/1620271>

## 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 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, 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 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1240882

---

# Cable connector - CA-16P1N8AT006



1620271

<https://www.phoenixcontact.com/us/products/1620271>

## 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 mm<sup>2</sup> ... 1 mm<sup>2</sup>



---

## 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 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Single contact



# Cable connector - CA-16P1N8AT006



1620271

<https://www.phoenixcontact.com/us/products/1620271>

## 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:  $0.22 \text{ mm}^2 \dots 0.56 \text{ mm}^2$

## 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:  $0.22 \text{ mm}^2 \dots 0.56 \text{ mm}^2$

# Cable connector - CA-16P1N8AT006



1620271

<https://www.phoenixcontact.com/us/products/1620271>

## 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 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, 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 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

# Cable connector - CA-16P1N8AT006

1620271

<https://www.phoenixcontact.com/us/products/1620271>



## 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 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>

---

Phoenix Contact 2022 © - 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](mailto:info@phoenixcon.com)