

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	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
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

Ambient conditions

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

Cable connector - CA-16P1N8AT006

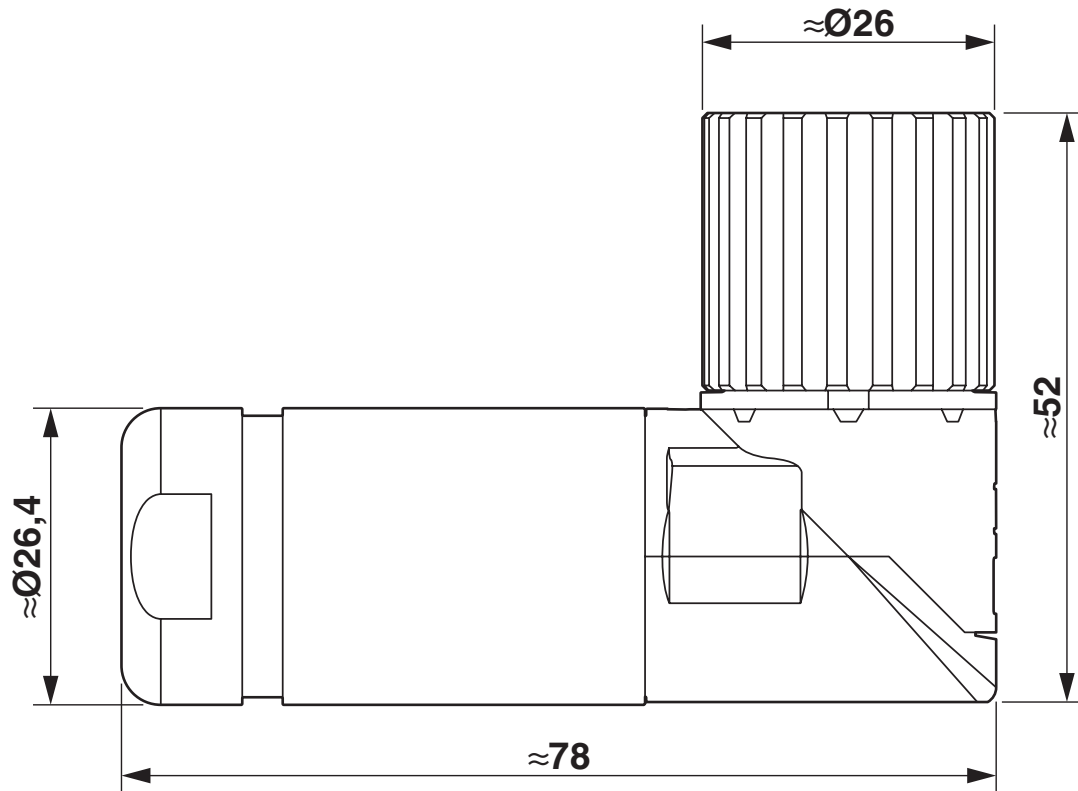
1620271

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



Drawings

Dimensional drawing



Cable connector - CA-16P1N8AT006



1620271

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

Approvals

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				
------------------	--	--	--	--

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 mm² ... 0.22 mm², 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 mm² ... 0.56 mm², 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 mm² ... 1 mm²

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 mm² ... 0.56 mm², 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 mm² ... 0.56 mm²

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 mm² ... 0.56 mm²

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 mm² ... 0.22 mm², 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 mm² ... 0.22 mm²

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 mm² ... 0.22 mm²

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