

# CA-09P1N12T006 - Cable connector



1620282

<https://www.phoenixcontact.com/us/products/1620282>

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.: 8+1, Direction of rotation: Standard, contact connection type: Pin, Solder 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.: 1244131

## 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
- Solder connection: proven connection technology for various litz wires

## Commercial data

Item number	1620282
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEC
Catalog page	Page 92 (C-2-2019)
GTIN	4046356818049
Weight per piece (including packing)	191.5 g
Weight per piece (excluding packing)	191.5 g
Customs tariff number	85366990
Country of origin	DE

# CA-09P1N12T006 - Cable connector



1620282

<https://www.phoenixcontact.com/us/products/1620282>

## Technical data

### Product properties

Product type	Circular connector (cable-side)
Data management status	
Article revision	04

### Connector

Insulating body	
Coding	N
Insulation body material	PBT
Contact material	CuZn
Contact surface material	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Pin
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Contact diameter	2 mm
Power contacts	
Litz wire cross-section	2.5 mm <sup>2</sup>
Rated current	20 A
Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter	1 mm
Signal contacts	
Litz wire cross-section	1 mm <sup>2</sup>
Nominal current per signal contact	8 A

### 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	4 mm ... 6 mm
-------------------------	---------------

# CA-09P1N12T006 - Cable connector



1620282

<https://www.phoenixcontact.com/us/products/1620282>

Seal material	NBR
---------------	-----

## Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-40 °C ... 125 °C
Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

# CA-09P1N12T006 - Cable connector

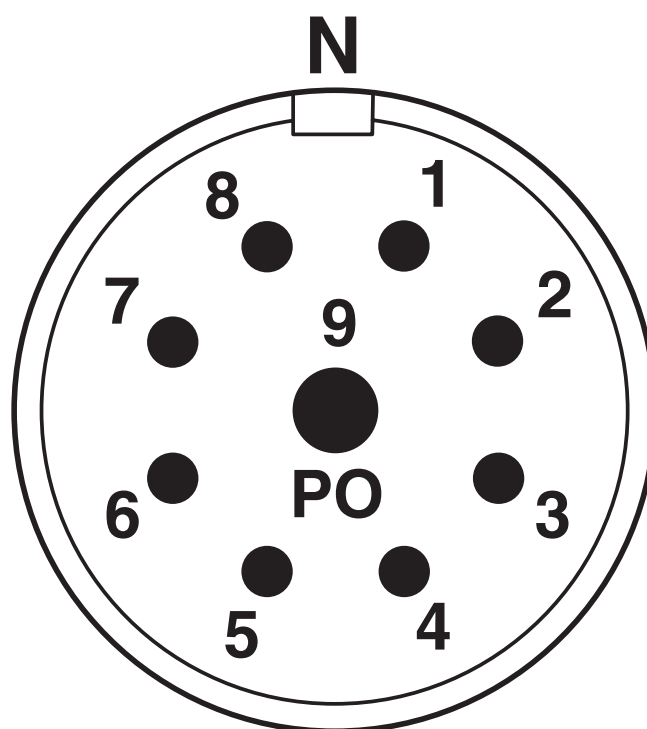
1620282

<https://www.phoenixcontact.com/us/products/1620282>



## Drawings

Schematic diagram



Connector pin assignment

# CA-09P1N12T006 - Cable connector



1620282

<https://www.phoenixcontact.com/us/products/1620282>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1620282>

cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	48 V	12 A	14 - 14	-
Signal	48 V	6 A	18 - 18	-

UL Recognized Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	48 V	20 A	14 - 14	-
Signal	48 V	8 A	18 - 18	-

cULus Recognized				
------------------	--	--	--	--

# CA-09P1N12T006 - Cable connector



1620282

<https://www.phoenixcontact.com/us/products/1620282>

## 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-09P1N12T006 - Cable connector



1620282  
<https://www.phoenixcontact.com/us/products/1620282>

## Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	d4b9ef19-3d63-4aa4-a805-39072d3f4ab4

Phoenix Contact 2024 © - 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)