

# CA-09P1N12T0DNS - Cable connector



1619441

<https://www.phoenixcontact.com/us/products/1619441>

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, application: Signal, series: CA, angled, shielded: yes, SPEEDCON, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Pin, Solder connection, cable diameter range: 3 mm ... 14.5 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.



The figure shows the 6-pos.  
product version

## 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
- Reduced connection time with SPEEDCON fast locking system
- Solder connection: proven connection technology for various litz wires

## Commercial data

Item number	1619441
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAED
GTIN	4046356824064
Weight per piece (including packing)	200.7 g
Weight per piece (excluding packing)	186.594 g
Customs tariff number	85366990
Country of origin	DE

# CA-09P1N12T0DNS - Cable connector



1619441

<https://www.phoenixcontact.com/us/products/1619441>

## Technical data

### Notes

Order information:	When using a specific cable with $\varnothing$ 3 mm ... 4 mm, it may be necessary to use the special cable seal (1786601)
--------------------	---

### Product properties

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

### Connector

#### Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	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
Number (Contact group 1)	1
Contact diameter (Contact group 1)	2 mm
Litz wires Max. cross section (Contact group 1)	2.5 mm <sup>2</sup>
Rated current Contact (Contact group 1)	20 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Number (Contact group 2)	8
Contact diameter (Contact group 2)	1 mm
Litz wires Max. cross section (Contact group 2)	1 mm <sup>2</sup>
Rated current Contact (Contact group 2)	8 A

#### Housing

Type	Cable connector housing
Thread type	M23
Design	angled
Type of locking	SPEEDCON
Pg screw connection	none
Housing material	Metal
Degree of protection (plugged in)	IP67

# CA-09P1N12T0DNS - Cable connector



1619441

<https://www.phoenixcontact.com/us/products/1619441>

## Seal

External cable diameter	3 mm ... 14.5 mm
Seal material	NBR

## Environmental and real-life conditions

### Ambient conditions

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

# CA-09P1N12T0DNS - Cable connector



1619441

<https://www.phoenixcontact.com/us/products/1619441>

## Drawings

Schematic diagram



Connector pin assignment

# CA-09P1N12T0DNS - Cable connector



1619441

<https://www.phoenixcontact.com/us/products/1619441>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619441>

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

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

# CA-09P1N12T0DNS - Cable connector



1619441

<https://www.phoenixcontact.com/us/products/1619441>

## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

ETIM 10.0	EC002635
-----------	----------

### UNSPSC

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

# CA-09P1N12T0DNS - Cable connector



1619441

<https://www.phoenixcontact.com/us/products/1619441>

## 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	a466f775-4eb5-46f7-8b82-3ced882d0722

Phoenix Contact 2026 © - 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)