

# CA-09P1N12T006S - Cable connector



1619415  
<https://www.phoenixcontact.com/us/products/1619415>

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, SPEEDCON, 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.: 1243533



## 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	1619415
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAED
Catalog page	Page 90 (C-2-2019)
GTIN	4046356824323
Weight per piece (including packing)	192.8 g
Weight per piece (excluding packing)	192.8 g
Customs tariff number	85366990
Country of origin	DE

# CA-09P1N12T006S - Cable connector



1619415

<https://www.phoenixcontact.com/us/products/1619415>

## Technical data

### Product properties

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

### 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 <b>Power contacts</b>	2 mm
Litz wire cross-section <b>Power contacts max.</b>	2.5 mm <sup>2</sup>
Rated current <b>Power contacts</b>	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 <b>Signal contacts</b>	1 mm
Litz wire cross-section <b>Signal contacts max.</b>	1 mm <sup>2</sup>
Nominal current per signal contact	8 A

#### Housing

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

#### Seal

External cable diameter	4 mm ... 6 mm
Seal material	NBR

### Environmental and real-life conditions

# CA-09P1N12T006S - Cable connector



1619415

<https://www.phoenixcontact.com/us/products/1619415>

Ambient conditions

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

# CA-09P1N12T006S - Cable connector

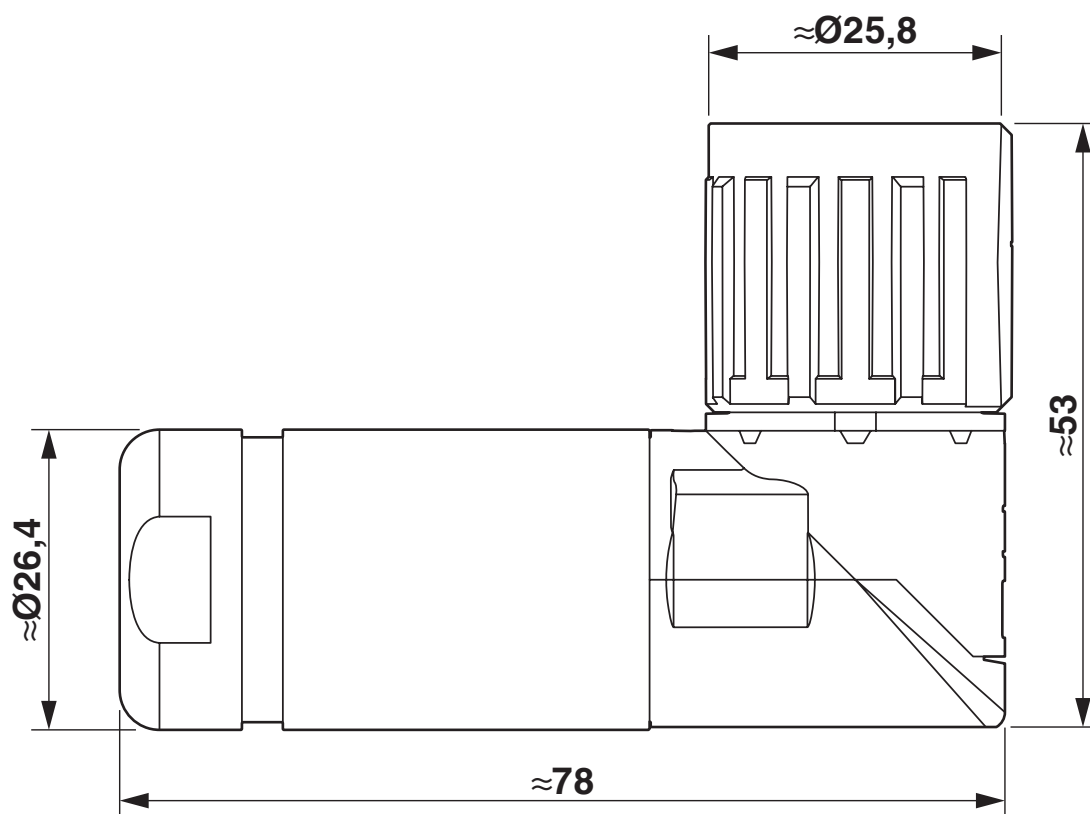
1619415

<https://www.phoenixcontact.com/us/products/1619415>



## Drawings

Dimensional drawing



Dimensional drawing

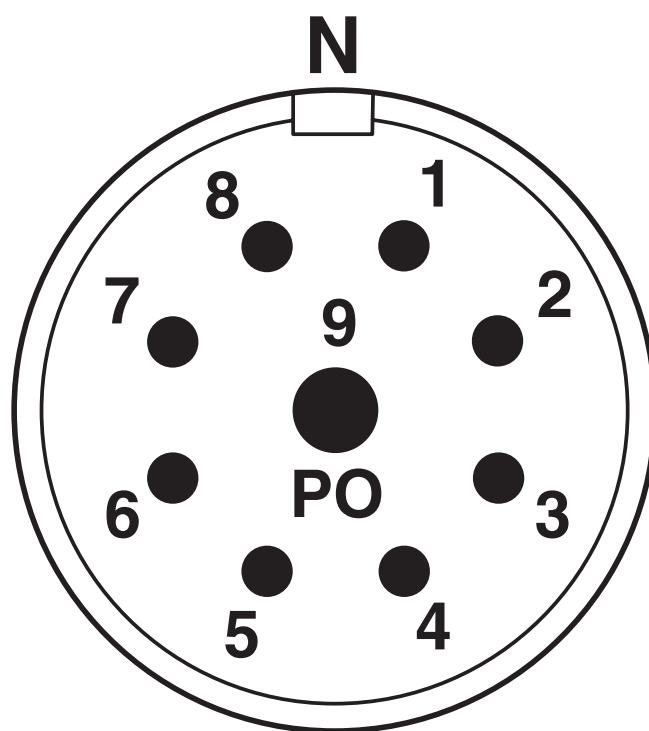
# CA-09P1N12T006S - Cable connector

1619415

<https://www.phoenixcontact.com/us/products/1619415>



Schematic diagram



Connector pin assignment

# CA-09P1N12T006S - Cable connector



1619415

<https://www.phoenixcontact.com/us/products/1619415>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619415>

cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
Power	48 V	12 A	- 14	-
Signal	48 V	6 A	- 18	-

UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
Power	48 V	20 A	- 14	-
Signal	48 V	8 A	- 18	-

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

# CA-09P1N12T006S - Cable connector



1619415

<https://www.phoenixcontact.com/us/products/1619415>

## 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-09P1N12T006S - Cable connector



1619415

<https://www.phoenixcontact.com/us/products/1619415>

## 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-09P1N12T006S - Cable connector

1619415

<https://www.phoenixcontact.com/us/products/1619415>



## Accessories

### SF-Z0028 - Torque screwdriver

1607456

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

Torque screwdriver, series: RC



---

### SF-Z0027 - Hook wrench

1607455

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

Hook wrench, series: RC



# CA-09P1N12T006S - Cable connector



1619415

<https://www.phoenixcontact.com/us/products/1619415>

## RF-Z0014 - Color coding

1620588

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

Color coding, color: green



---

## RF-Z0015 - Color coding

1620592

<https://www.phoenixcontact.com/us/products/1620592>

Color coding, color: orange



# CA-09P1N12T006S - Cable connector

1619415

<https://www.phoenixcontact.com/us/products/1619415>



## RF-Z0016 - Color coding

1620593

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

Color coding, color: black



---

## 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



---

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)