

# CA-09S1N8AT0DN - Cable connector



1619333

<https://www.phoenixcontact.com/gb/products/1619333>

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: Socket, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243454

## 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	1619333
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	ABRAEC
Product key	ABRAEC
Catalog page	Page 92 (C-2-2019)
GTIN	4046356825115
Weight per piece (including packing)	189 g
Weight per piece (excluding packing)	188 g
Customs tariff number	85366990
Country of origin	DE

# CA-09S1N8AT0DN - Cable connector



1619333

<https://www.phoenixcontact.com/gb/products/1619333>

## Technical data

### Notes

Order information:	Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
--------------------	--

### Product properties

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

### Data management status

Article revision	04
------------------	----

### Connector

#### Connection 1

Head design	Socket
-------------	--------

#### Insulating body

Note	Order information: Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
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</b> min.	1 mm <sup>2</sup>
Litz wire cross-section <b>Power contacts</b> max.	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</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

#### Housing

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-
------------------	---

# CA-09S1N8AT0DN - Cable connector



1619333

<https://www.phoenixcontact.com/gb/products/1619333>

	Zn)
Type of locking	Screw locking mechanism
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

## 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
Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

# CA-09S1N8AT0DN - Cable connector

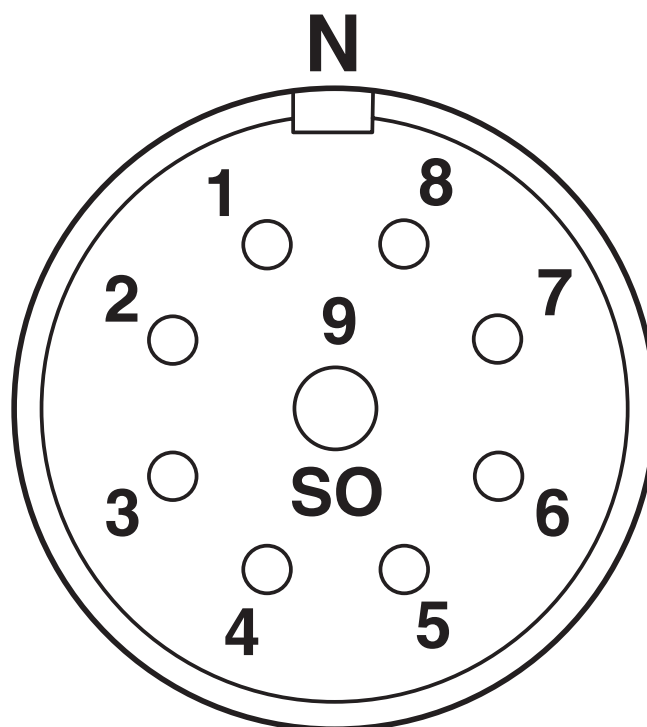
1619333

<https://www.phoenixcontact.com/gb/products/1619333>



## Drawings

Schematic diagram



Connector pin assignment

# CA-09S1N8AT0DN - Cable connector





1619333

<https://www.phoenixcontact.com/gb/products/1619333>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1619333>

<div> <b>cUL Recognized</b> Approval ID: E335019-20141210</div>				
	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	4 A	20 - 20	-

<div> <b>UL Recognized</b> Approval ID: E335019-20141210</div>				
	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	6 A	20 - 20	-

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

# CA-09S1N8AT0DN - Cable connector



1619333

<https://www.phoenixcontact.com/gb/products/1619333>

## 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-09S1N8AT0DN - Cable connector



1619333  
<https://www.phoenixcontact.com/gb/products/1619333>

## 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	a4393b7a-1ae7-4744-9842-893d72a8c1e1

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)