

# CA-19S1N12T0DN - Cable connector



1620293

<https://www.phoenixcontact.com/us/products/1620293>

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.



The figure shows the 12-pos. product version

M23, Cable connector, application: Signal, series: CA, angled, shielded: yes, Screw locking mechanism, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder connection, cable diameter range: 3 mm ... 14.5 mm, coding: N, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## 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	1620293
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEC
GTIN	4046356817936
Weight per piece (including packing)	195.1 g
Weight per piece (excluding packing)	184.512 g
Customs tariff number	85366990
Country of origin	DE

# CA-19S1N12T0DN - Cable connector



1620293

<https://www.phoenixcontact.com/us/products/1620293>

## 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

#### Connection 1

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

#### Insulating body

Coding	N
Material (Insulating body)	PA 6.6
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Number (Power contacts)	3
Contact diameter (Power contacts)	1.5 mm
Litz wires Min. cross section (Power contacts)	0.08 mm <sup>2</sup>
Litz wires Max. cross section (Power contacts)	1 mm <sup>2</sup>
Rated current Contact (Power contacts)	10 A
Rated voltage Contact (Power contacts)	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Number (Signal contacts)	16
Contact diameter (Signal contacts)	1 mm
Litz wires Max. cross section (Signal contacts)	1 mm <sup>2</sup>
Rated current Contact (Signal contacts)	8 A

#### Housing

Type	Cable connector housing
Thread type	M23
Design	angled

# CA-19S1N12T0DN - Cable connector



1620293

<https://www.phoenixcontact.com/us/products/1620293>

Type of locking	Screw locking mechanism
Pg screw connection	none
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Material for screw connection	CuZn
Degree of protection (plugged in)	IP67

## 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-19S1N12T0DN - Cable connector



1620293

<https://www.phoenixcontact.com/us/products/1620293>

## Drawings

Schematic diagram



Connector pin assignment

# CA-19S1N12T0DN - Cable connector



1620293

<https://www.phoenixcontact.com/us/products/1620293>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1620293>

 <b>cUL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
Power	48 V	6 A	18	-
Signal	48 V	5 A	18	-

 <b>UL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
Power	48 V	10 A	18	-
Signal	48 V	8 A	18	-

# CA-19S1N12T0DN - Cable connector



1620293

<https://www.phoenixcontact.com/us/products/1620293>

## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

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

### UNSPSC

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

# CA-19S1N12T0DN - Cable connector



1620293

<https://www.phoenixcontact.com/us/products/1620293>

## 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	07956594-9bf8-4474-9bba-f8081123c88a

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)