

# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



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.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp 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.: 1243528



## 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
- Crimping connection: vibration- and temperature-resistant assembly

## Commercial Data

Item number	1619410
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	AB33
Product Key	ABRAED
Catalog Page	Page 90 (C-2-2019)
GTIN	4046356824378
Weight per Piece (including packing)	189.4 g
Weight per Piece (excluding packing)	189.4 g
Customs tariff number	85366990
Country of origin	DE

# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## Technical Data

### Notes

General	Order 12 x 1 mm crimp contacts separately
---------	---

### Product properties

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

### Connector

#### Connection 1

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

#### Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
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
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV
Oversupply category	III
Degree of pollution	3

#### 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-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## Ambient conditions

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

# CA-12S1N8AT006S - Cable connector

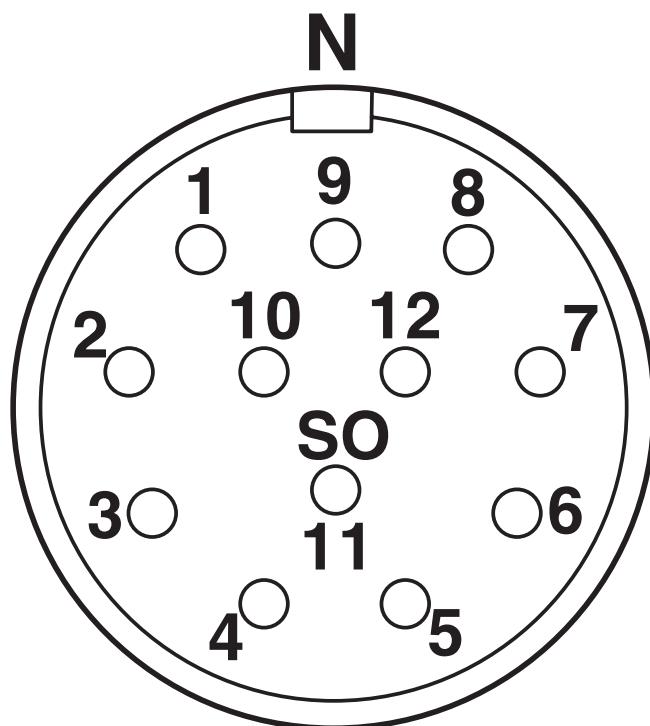
1619410

<https://www.phoenixcontact.com/us/products/1619410>



## Drawings

Schematic diagram



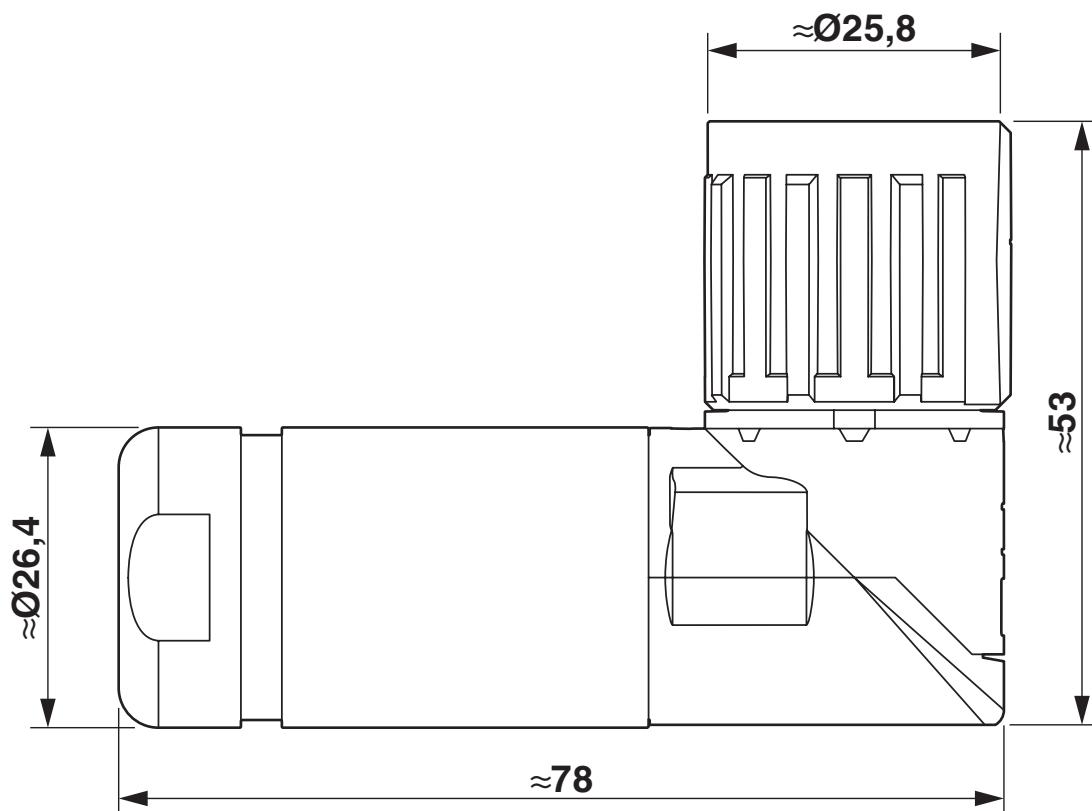
# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



Dimensional drawing



Dimensional drawing

# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619410>

cUL Recognized				
Approval ID: E335019-20141210				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
	48 V	4 A	- 20	-

UL Recognized				
Approval ID: E335019-20141210				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
	48 V	6 A	- 20	-

## cULus Recognized

# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 8.0	EC002635
----------	----------

### UNSPSC

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

# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## 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-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## Accessories

### RC-11S2000 - Crimp contact

1596772

<https://www.phoenixcontact.com/us/products/1596772>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm<sup>2</sup> ... 0.22 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241093

### RC-12S2000 - Crimp contact

1599600

<https://www.phoenixcontact.com/us/products/1599600>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241093

# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## RC-1KS2000 - Crimp contact

1602998

<https://www.phoenixcontact.com/us/products/1602998>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm<sup>2</sup> ... 1 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1241572

## RC-Z2058 - Protective cap

1604223

<https://www.phoenixcontact.com/us/products/1604223>

Plastic protection cap for connectors with M23 knurled nut



# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## RC-Z2468 - Protective cap

1611796

<https://www.phoenixcontact.com/us/products/1611796>

Plastic protection cap, antistatic, for connectors with M23 knurled nut



---

## SF-Z0028 - Torque screwdriver

1607456

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

Torque screwdriver, series: RC



# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## SF-Z0027 - Hook wrench

1607455

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

Hook wrench, series: RC



---

## RF-Z0014 - Color-coding

1620588

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

Color-coding, color: green



# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## RF-Z0015 - Color-coding

1620592

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

Color-coding, color: orange



---

## RF-Z0016 - Color-coding

1620593

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

Color-coding, color: black



# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## RC-22S2000 - Crimp contact

1603327

<https://www.phoenixcontact.com/us/products/1603327>



Crimp contact, Socket, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Single contact, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

## RC-22S2300 - Crimp contact

1603330

<https://www.phoenixcontact.com/us/products/1603330>



Crimp contact, Socket, rolled, Taped articles, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

# CA-12S1N8AT006S - Cable connector

1619410

<https://www.phoenixcontact.com/us/products/1619410>



## RC-22S2400 - Crimp contact

1603332

<https://www.phoenixcontact.com/us/products/1603332>



Crimp contact, Socket, rolled, Taped articles, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm<sup>2</sup> ... 0.56 mm<sup>2</sup>, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb <0.1%)

Phoenix Contact 2023 © - 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)