

# Cable connector - CA-12S1N12T006S



1619412

<https://www.phoenixcontact.com/us/products/1619412>

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, CA, angled, shielded: yes, SPEEDCON locking, No. of pos.: 12, Direction of rotation: Standard, type of contact: Socket, 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.: 1243530



## 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	1619412
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	A12
Product Key	ABRBFH
Catalog Page	Page 90 (C-2-2019)
GTIN	4046356824354
Weight per Piece (including packing)	191.3 g
Weight per Piece (excluding packing)	191.3 g
Customs tariff number	85366990
Country of origin	DE

# Cable connector - CA-12S1N12T006S



1619412

<https://www.phoenixcontact.com/us/products/1619412>

## Technical Data

### Notes

Order information:	Order 12 x 1 mm crimp contacts separately
--------------------	---

### Product properties

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

### Connector

#### Connection 1

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

#### 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 type	Socket
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
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> max.	1 mm <sup>2</sup>
Nominal current per signal contact	8 A

#### Housing

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

#### Seal

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

# Cable connector - CA-12S1N12T006S



1619412

<https://www.phoenixcontact.com/us/products/1619412>

## Ambient conditions

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

# Cable connector - CA-12S1N12T006S

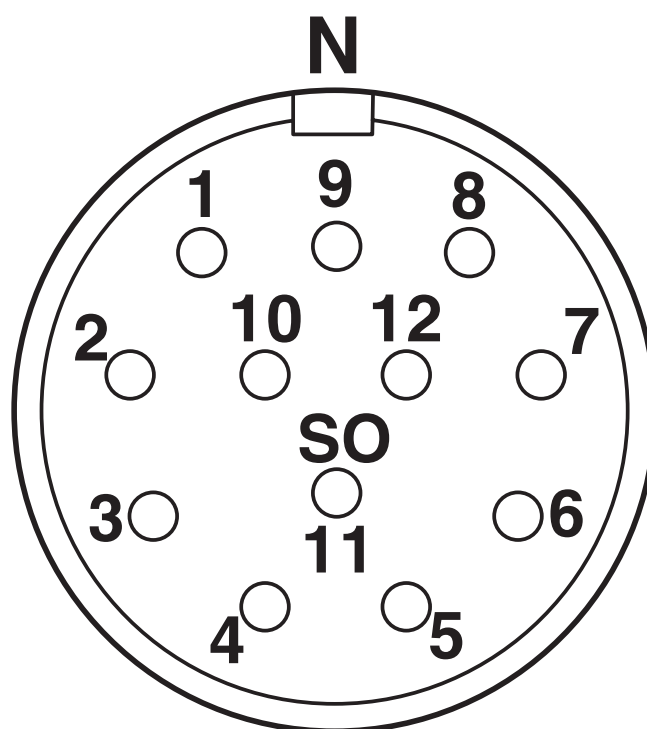


1619412

<https://www.phoenixcontact.com/us/products/1619412>

## Drawings

Schematic diagram



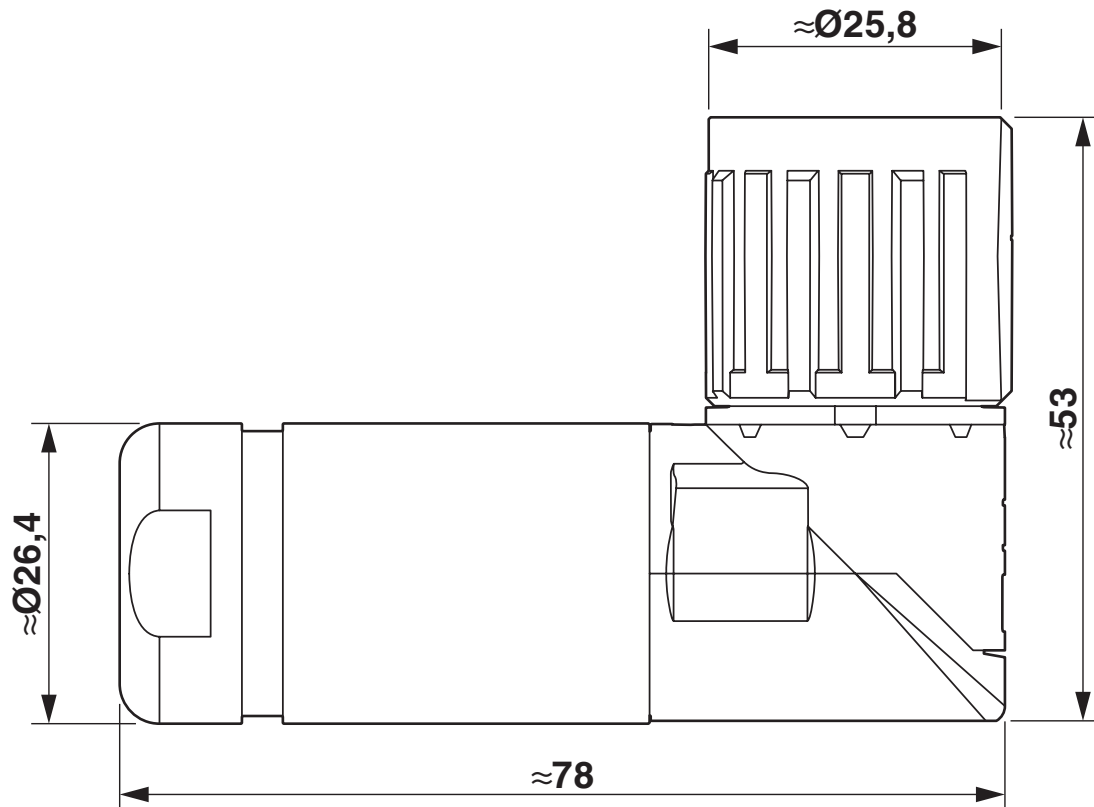
# Cable connector - CA-12S1N12T006S

1619412

<https://www.phoenixcontact.com/us/products/1619412>



Dimensional drawing



# Cable connector - CA-12S1N12T006S



1619412

<https://www.phoenixcontact.com/us/products/1619412>

## Approvals

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>
	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>
	48 V	8 A	- 18	-

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

# Cable connector - CA-12S1N12T006S



1619412

<https://www.phoenixcontact.com/us/products/1619412>

## Classifications

### ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

### ETIM

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

### UNSPSC

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

# Cable connector - CA-12S1N12T006S



1619412

<https://www.phoenixcontact.com/us/products/1619412>

## 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"



# Cable connector - CA-12S1N12T006S



1619412

<https://www.phoenixcontact.com/us/products/1619412>

## Accessories

### Torque screwdriver

Torque screwdriver - SF-Z0028 - 1607456

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

Torque screwdriver, series: RC



---

### Hook wrench

Hook wrench - SF-Z0027 - 1607455

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

Hook wrench, series: RC



# Cable connector - CA-12S1N12T006S



1619412

<https://www.phoenixcontact.com/us/products/1619412>

## Protective cap

Protective cap - RC-Z2058 - 1604223

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

Plastic protection cap for connectors with M23 knurled nut



---

## Protective cap

Protective cap - RC-Z2468 - 1611796

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

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



# Cable connector - CA-12S1N12T006S



1619412

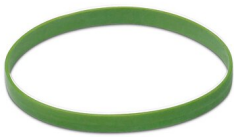
<https://www.phoenixcontact.com/us/products/1619412>

## Color-coding

Color-coding - RF-Z0014 - 1620588

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

Color-coding, color: green



---

## Color-coding

Color-coding - RF-Z0015 - 1620592

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

Color-coding, color: orange



# Cable connector - CA-12S1N12T006S



1619412

<https://www.phoenixcontact.com/us/products/1619412>

## Color-coding

Color-coding - RF-Z0016 - 1620593

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

Color-coding, color: black



---

Phoenix Contact 2022 © - 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)