

# CA-06S1N8A8006S - Cable connector



1619577

<https://www.phoenixcontact.com/us/products/1619577>

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, application: Signal, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 4 mm ... 6 mm, coding: N

The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

## Your advantages

- 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	1619577
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEB
GTIN	4046356822978
Weight per piece (including packing)	95.41 g
Weight per piece (excluding packing)	87.883 g
Customs tariff number	85366990
Country of origin	DE

# CA-06S1N8A8006S - Cable connector



1619577

<https://www.phoenixcontact.com/us/products/1619577>

## Technical data

### Notes

Order information:	Order crimp contacts 6 x Ø 2 mm separately
--------------------	--

### Product properties

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

### Connector

#### Connection 1

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

#### Insulating body

Note	Order information: Order crimp contacts Ø 2 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	6
Direction of rotation	Standard
Connection profile	6
Number (Signal contacts)	6
Contact diameter (Signal contacts)	2 mm
Litz wires Min. cross section (Signal contacts)	1 mm <sup>2</sup>
Litz wires Max. cross section (Signal contacts)	2.5 mm <sup>2</sup>
Rated current Contact (Signal contacts)	20 A (for max. connection cross section)
Rated voltage Contact (Signal contacts)	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

#### Housing

Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	SPEEDCON
Pg screw connection	none
Housing material	CuZn, GD-Zn
Degree of protection (plugged in)	IP67

#### Seal

External cable diameter	4 mm ... 6 mm
-------------------------	---------------

# CA-06S1N8A8006S - Cable connector



1619577

<https://www.phoenixcontact.com/us/products/1619577>

Seal material	NBR
---------------	-----

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
Permissible humidity (storage/transport)	50 % ... 65 %

# CA-06S1N8A8006S - Cable connector



1619577

<https://www.phoenixcontact.com/us/products/1619577>

## Drawings

Schematic diagram



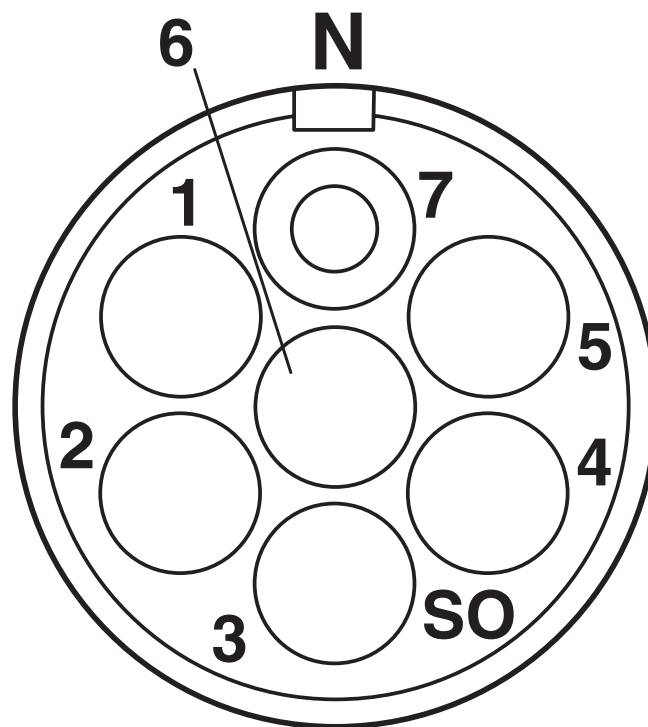
Connector pin assignment

# CA-06S1N8A8006S - Cable connector

1619577

<https://www.phoenixcontact.com/us/products/1619577>

Schematic diagram



Connector pin assignment

# CA-06S1N8A8006S - Cable connector



1619577

<https://www.phoenixcontact.com/us/products/1619577>

## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

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

### UNSPSC

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

# CA-06S1N8A8006S - Cable connector



1619577

<https://www.phoenixcontact.com/us/products/1619577>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

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)