

# CA-12S1N8A8007 - Cable connector



1619708

<https://www.phoenixcontact.com/us/products/1619708>

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, straight, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

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

## Commercial data

Item number	1619708
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEA
GTIN	4046356822077
Weight per piece (including packing)	92.233 g
Weight per piece (excluding packing)	86.11 g
Customs tariff number	85366990
Country of origin	DE

# CA-12S1N8A8007 - Cable connector



1619708

<https://www.phoenixcontact.com/us/products/1619708>

## 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

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Number Contact (Signal contacts)	12
Diameter Contact (Signal contacts)	1 mm
Litz wire cross-section min. Contact (Signal contacts)	0.08 mm <sup>2</sup>
Litz wire cross-section max. Contact (Signal contacts)	1 mm <sup>2</sup>
Rated current Contact (Signal contacts)	8 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	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

# CA-12S1N8A8007 - Cable connector



1619708

<https://www.phoenixcontact.com/us/products/1619708>

External cable diameter	6 mm ... 10 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-12S1N8A8007 - Cable connector

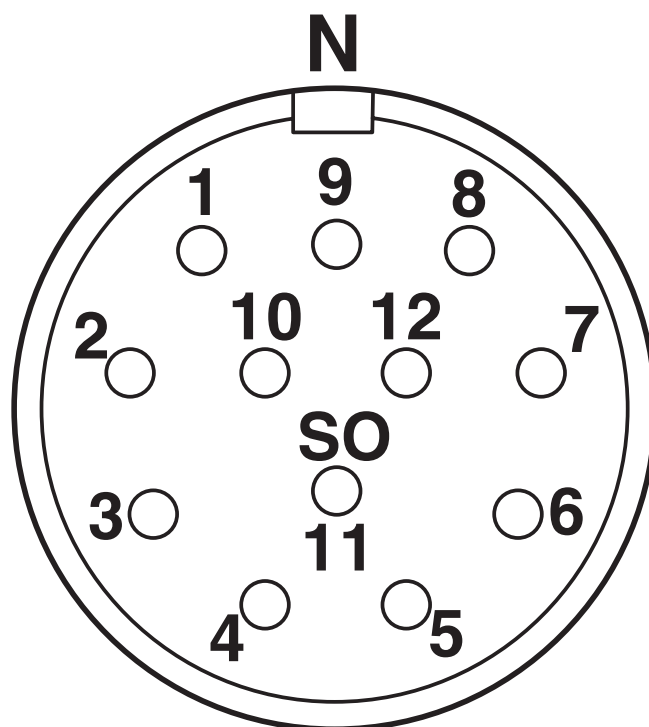
1619708

<https://www.phoenixcontact.com/us/products/1619708>



## Drawings

Schematic diagram



Connector pin assignment

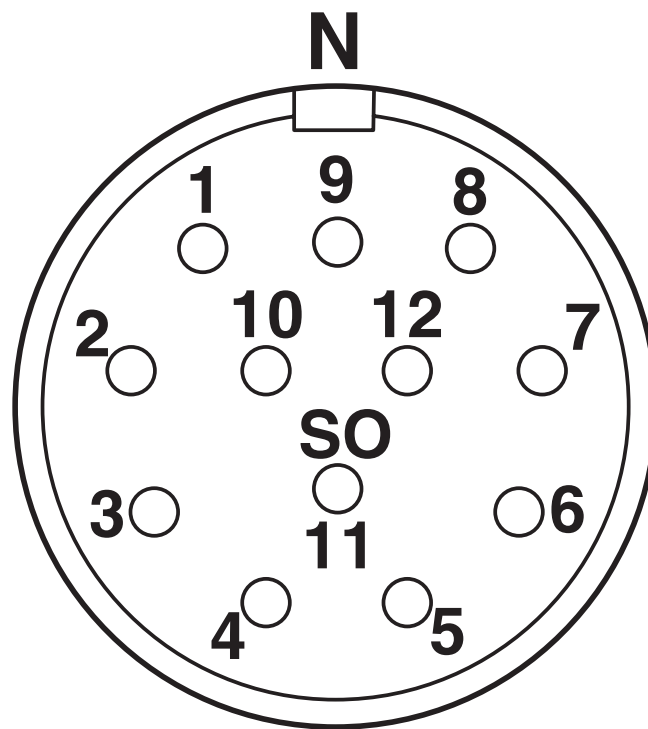
# CA-12S1N8A8007 - Cable connector

1619708

<https://www.phoenixcontact.com/us/products/1619708>



Schematic diagram



Connector pin assignment

# CA-12S1N8A8007 - Cable connector





1619708

<https://www.phoenixcontact.com/us/products/1619708>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619708>

 <b>cUL Recognized</b> 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>
keine				
	48 V	4 A	20	-

 <b>UL Recognized</b> 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>
keine				
	48 V	6 A	20	-

# CA-12S1N8A8007 - Cable connector



1619708

<https://www.phoenixcontact.com/us/products/1619708>

## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

ETIM 9.0	EC002635
----------	----------

### UNSPSC

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

# CA-12S1N8A8007 - Cable connector



1619708

<https://www.phoenixcontact.com/us/products/1619708>

## 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	edad35eb-d8d4-4151-b71f-c326f797c0c4

Phoenix Contact 2025 © - 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)