

# CA-09S1N128007 - Cable connector



1619716

<https://www.phoenixcontact.com/us/products/1619716>

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. : 8+1, Direction of rotation: Standard, contact connection type: Socket, Solder connection, cable diameter range: 6 mm ... 10 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243768

## 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
- Solder connection: proven connection technology for various litz wires

## Commercial data

Item number	1619716
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEA
Catalog page	Page 86 (C-2-2019)
GTIN	4046356822015
Weight per piece (including packing)	95 g
Weight per piece (excluding packing)	91.1 g
Customs tariff number	85366990
Country of origin	DE

# CA-09S1N128007 - Cable connector



1619716

<https://www.phoenixcontact.com/us/products/1619716>

## Technical data

### 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 switching type	Socket
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Contact diameter <b>Power contacts</b>	2 mm
Litz wire cross-section <b>Power contacts max.</b>	2.5 mm <sup>2</sup>
Rated current <b>Power contacts</b>	20 A
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 max.</b>	1 mm <sup>2</sup>
Nominal current per signal contact	8 A

#### Housing

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking mechanism
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

#### Seal

External cable diameter	6 mm ... 10 mm
-------------------------	----------------

# CA-09S1N128007 - Cable connector



1619716

<https://www.phoenixcontact.com/us/products/1619716>

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

## Environmental and real-life conditions

### Ambient conditions

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

# CA-09S1N128007 - Cable connector



1619716

<https://www.phoenixcontact.com/us/products/1619716>

## Drawings

Schematic diagram



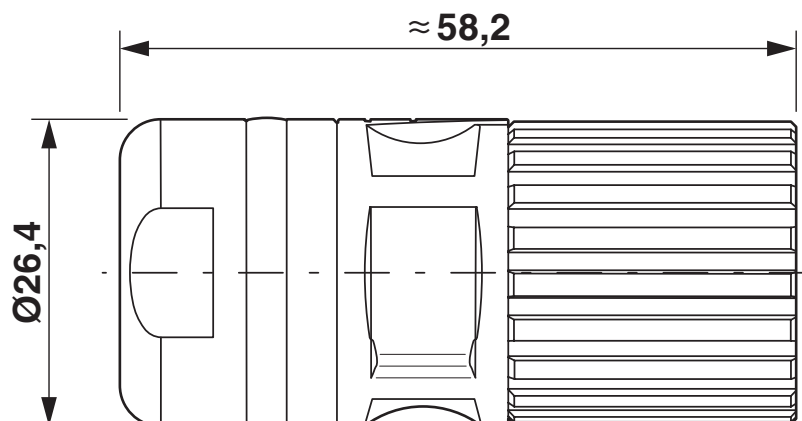
Connector pin assignment

# CA-09S1N128007 - Cable connector

1619716

<https://www.phoenixcontact.com/us/products/1619716>

Dimensional drawing



Technical drawings can be found under Downloads

# CA-09S1N128007 - Cable connector





1619716

<https://www.phoenixcontact.com/us/products/1619716>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619716>

 <b>cUL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	48 V	12 A	- 14	-
Signal	48 V	6 A	- 18	-

 <b>UL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	48 V	20 A	- 14	-
Signal	48 V	8 A	- 18	-

<b>cULus Recognized</b>				
-------------------------	--	--	--	--

# CA-09S1N128007 - Cable connector



1619716

<https://www.phoenixcontact.com/us/products/1619716>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# CA-09S1N128007 - Cable connector



1619716

<https://www.phoenixcontact.com/us/products/1619716>

## 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"

Phoenix Contact 2024 © - 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)