CA-09S1N128006S - Cable connector

1619571

https://www.phoenixcontact.com/us/products/1619571

PHŒNIX CONTACT

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, SPEEDCON, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: 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.: 1243662

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
- Solder connection: proven connection technology for various litz wires

Commercial data

Item number	1619571
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEB
Catalog page	Page 84 (C-2-2019)
GTIN	4046356823036
Weight per piece (including packing)	93.2 g
Weight per piece (excluding packing)	93.2 g
Customs tariff number	85366990
Country of origin	DE

CA-09S1N128006S - Cable connector

1619571

https://www.phoenixcontact.com/us/products/1619571

Technical data

Product properties

Product type	Circular connector (cable-side)

Data management status

Article revision	07

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 Power contacts	2 mm
Litz wire cross-section Power contacts max.	2.5 mm²
Rated current Power contacts	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 Signal contacts	1 mm
Litz wire cross-section Signal contacts max.	1 mm²
Nominal current per signal contact	8 A

Housing

Housing material	CuZN, GD-Zn
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

Ambient conditions

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

CA-09S1N128006S - Cable connector

1619571

https://www.phoenixcontact.com/us/products/1619571

Drawings

Schematic diagram

N

1   8

2   9   7

SO

3   6

4   5
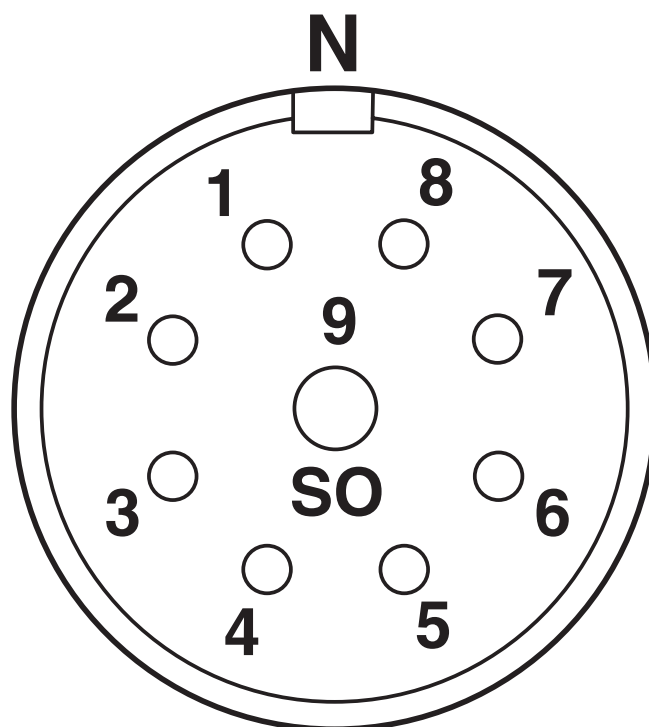
Connector pin assignment

Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619571

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	12 A	14 - 14	-
Signal	48 V	6 A	18 - 18	-

UL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	20 A	14 - 14	-
Signal	48 V	8 A	18 - 18	-

cULus Recognized

CA-09S1N128006S - Cable connector

1619571

https://www.phoenixcontact.com/us/products/1619571

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

1619571

https://www.phoenixcontact.com/us/products/1619571

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	bb13aee3-2115-4c13-9d18-f2481b008c1d

CA-09S1N128006S - Cable connector

1619571

https://www.phoenixcontact.com/us/products/1619571

Accessories

SF-Z0028 - Torque screwdriver

1607456

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

Torque screwdriver, series: RC, UC, SH, SF

SF-Z0027 - Hook wrench

1607455

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

Hook wrench, series: RC, UC, RF, SF

CA-09S1N128006S - Cable connector

1619571

https://www.phoenixcontact.com/us/products/1619571

RF-Z0014 - Color coding

1620588

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

Color coding, color: green
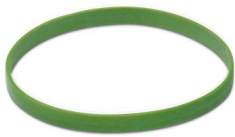
RF-Z0015 - Color coding

1620592

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

Color coding, color: orange

CA-09S1N128006S - Cable connector
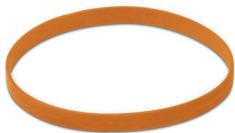
1619571

https://www.phoenixcontact.com/us/products/1619571

RF-Z0016 - Color coding

1620593

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

Color coding, color: black

RF-Z0003 - Square mounting flange

1607905

https://www.phoenixcontact.com/us/products/1607905

Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242369

CA-09S1N128006S - Cable connector

1619571

https://www.phoenixcontact.com/us/products/1619571

CA-Z0077 - Metal protective cap

1627224

https://www.phoenixcontact.com/us/products/1627224

Metal protective cap, degree of protection: IP67, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1245447

PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

https://www.phoenixcontact.com/us/products/1577206

Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com