

CA-09S1N1280DN - Cable connector



1619768

<https://www.phoenixcontact.com/za/products/1619768>

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: 3 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243820

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	1619768
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABR
Product key	ABRAEA
Catalog page	Page 86 (C-2-2019)
GTIN	4046356821490
Weight per piece (including packing)	95,2 g
Weight per piece (excluding packing)	91,6 g
Customs tariff number	85366990
Country of origin	DE

CA-09S1N1280DN - Cable connector



1619768

<https://www.phoenixcontact.com/za/products/1619768>

Technical data

Product properties

Product type	Circular connector (cable-side)
Data management status	
Article revision	05

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 mm ²
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 mm ²
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

CA-09S1N1280DN - Cable connector



1619768

<https://www.phoenixcontact.com/za/products/1619768>

Seal

External cable diameter	3 mm ... 14.5 mm
Seal material	NBR

Environmental and real-life conditions

Ambient conditions

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

CA-09S1N1280DN - Cable connector

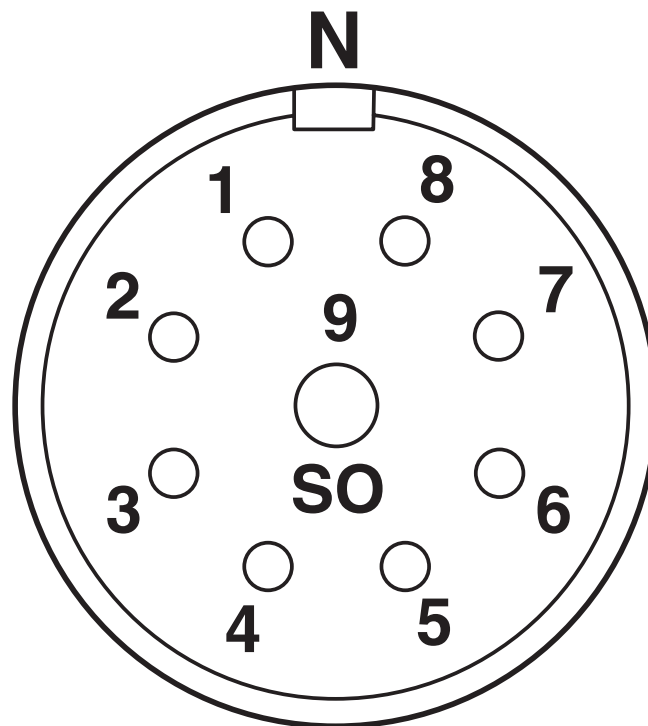


1619768

<https://www.phoenixcontact.com/za/products/1619768>

Drawings

Schematic diagram



Connector pin assignment

CA-09S1N1280DN - Cable connector





1619768

<https://www.phoenixcontact.com/za/products/1619768>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/za/products/1619768>

 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-09S1N1280DN - Cable connector



1619768

<https://www.phoenixcontact.com/za/products/1619768>

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-09S1N1280DN - Cable connector



1619768

<https://www.phoenixcontact.com/za/products/1619768>

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	d5eee9be-98b5-4039-9231-e7b0476e4420

CA-09S1N1280DN - Cable connector



1619768

<https://www.phoenixcontact.com/za/products/1619768>

Accessories

SF-Z0028 - Torque screwdriver

1607456

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

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



SF-Z0027 - Hook wrench

1607455

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

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



CA-09S1N1280DN - Cable connector



1619768

<https://www.phoenixcontact.com/za/products/1619768>

RF-Z0014 - Color coding

1620588

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

Color coding, color: green



RF-Z0015 - Color coding

1620592

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

Color coding, color: orange



CA-09S1N1280DN - Cable connector

1619768

<https://www.phoenixcontact.com/za/products/1619768>



RF-Z0016 - Color coding

1620593

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

Color coding, color: black



RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/za/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-09S1N1280DN - Cable connector

1619768

<https://www.phoenixcontact.com/za/products/1619768>



CA-Z0077 - Metal protective cap

1627224

<https://www.phoenixcontact.com/za/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/za/products/1577206>



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

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (Pty) Ltd.
36 Lyn Road P.O. Box 916 ZA-Ferndale 2160

+27/11/801-8200
info@phoenixcontact.co.za