

CA-09P1N8A80DNS - Cable connector



1619594

<https://www.phoenixcontact.com/us/products/1619594>

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: Pin, Crimp 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.: 1243685

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	1619594
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEB
Catalog page	Page 84 (C-2-2019)
GTIN	4046356822800
Weight per piece (including packing)	94.2 g
Weight per piece (excluding packing)	90.2 g
Customs tariff number	85366990
Country of origin	DE

CA-09P1N8A80DNS - Cable connector



1619594

<https://www.phoenixcontact.com/us/products/1619594>

Technical data

Notes

General	Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
---------	--

Product properties

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

Connector

Insulating body

Note	Order information: Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
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 min.	1 mm ²
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 min.	0.08 mm ²
Litz wire cross-section Signal contacts max.	1 mm ²
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

CA-09P1N8A80DNS - Cable connector



1619594

<https://www.phoenixcontact.com/us/products/1619594>

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
Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

CA-09P1N8A80DNS - Cable connector

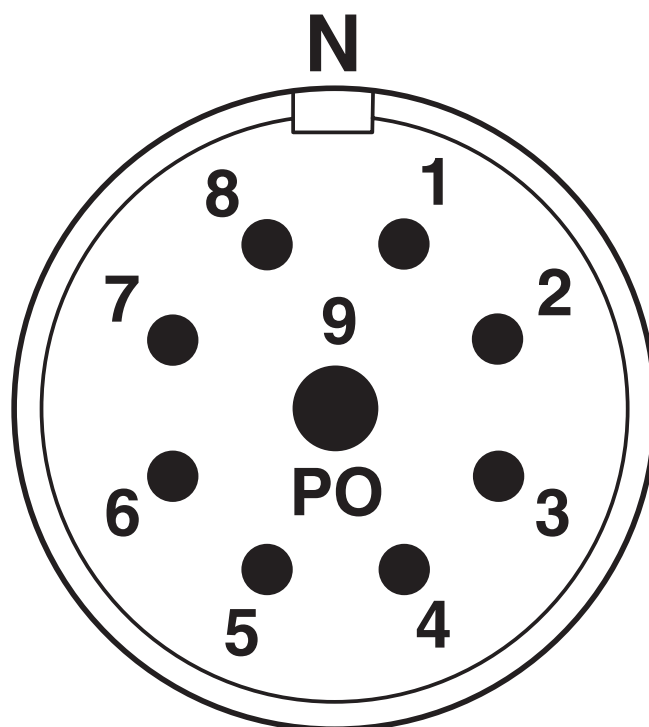
1619594

<https://www.phoenixcontact.com/us/products/1619594>



Drawings

Schematic diagram



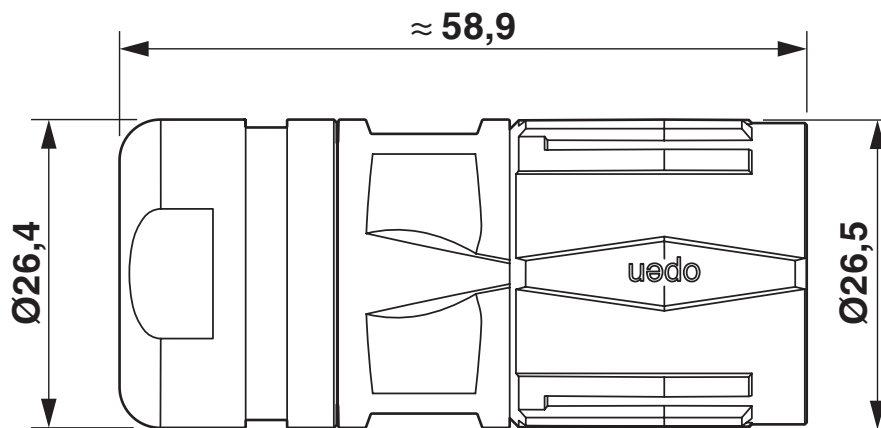
Connector pin assignment

CA-09P1N8A80DNS - Cable connector

1619594

<https://www.phoenixcontact.com/us/products/1619594>

Dimensional drawing



Technical drawings can be found under Downloads

CA-09P1N8A80DNS - Cable connector



1619594

<https://www.phoenixcontact.com/us/products/1619594>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619594>

 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	-
Signal	48 V	4 A	- 20	-

 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	-
Signal	48 V	6 A	- 20	-

cULus Recognized				
-------------------------	--	--	--	--

CA-09P1N8A80DNS - Cable connector



1619594

<https://www.phoenixcontact.com/us/products/1619594>

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-09P1N8A80DNS - Cable connector



1619594
<https://www.phoenixcontact.com/us/products/1619594>

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