

1619971  
<https://www.phoenixcontact.com/us/products/1619971>

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, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, Flat gasket, 4x Ø 3.2, flange dimensions: 25 mm x 25 mm, coding: N

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	1619971
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEL
Catalog page	Page 100 (C-2-2019)
GTIN	4046356820110
Weight per piece (including packing)	26.9 g
Weight per piece (excluding packing)	22 g
Customs tariff number	85366990
Country of origin	DE

# CA-09S1N8A2S00 - Device connector front mounting



1619971

<https://www.phoenixcontact.com/us/products/1619971>

## Technical data

### Notes

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

### Product properties

Product type	Circular connectors (device side)
--------------	-----------------------------------

### Data management status

Article revision	09
------------------	----

### 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	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</b> min.	1 mm <sup>2</sup>
Litz wire cross-section <b>Power contacts</b> max.	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</b> min.	0.08 mm <sup>2</sup>
Litz wire cross-section <b>Signal contacts</b> max.	1 mm <sup>2</sup>
Nominal current per signal contact	8 A

#### Housing

Housing material	GD-Zn
Flange dimensions	25 mm x 25 mm
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none

# CA-09S1N8A2S00 - Device connector front mounting



1619971

<https://www.phoenixcontact.com/us/products/1619971>

Degree of protection (plugged in)	IP67
Thread type	M23

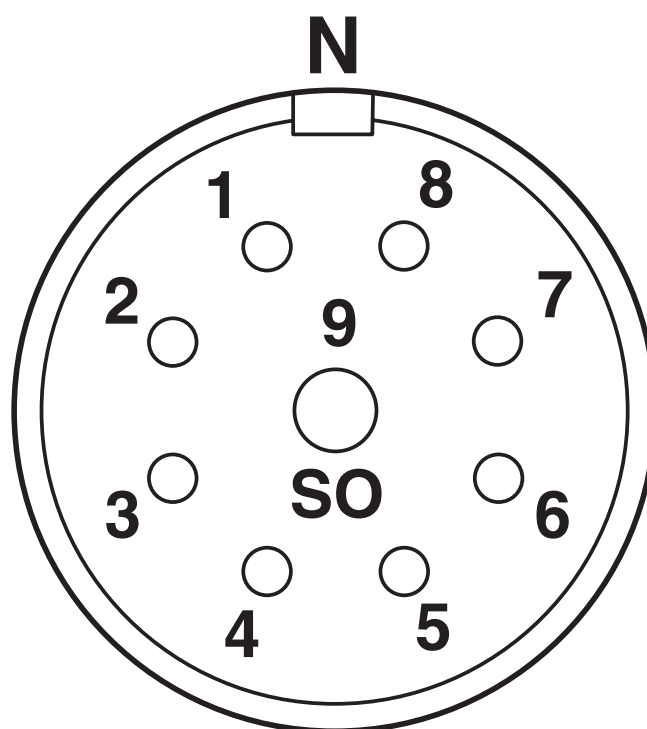
## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

## Drawings

Schematic diagram

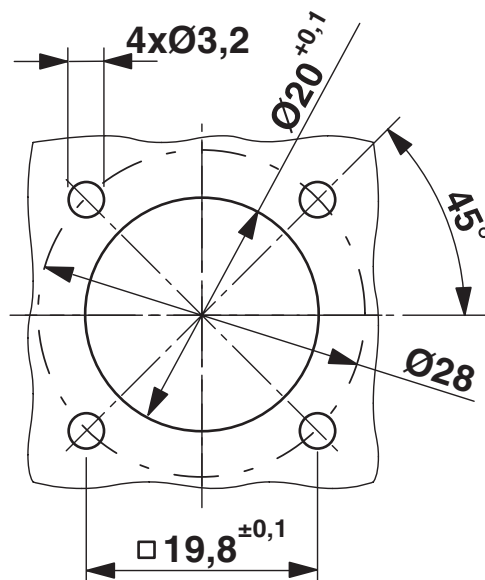
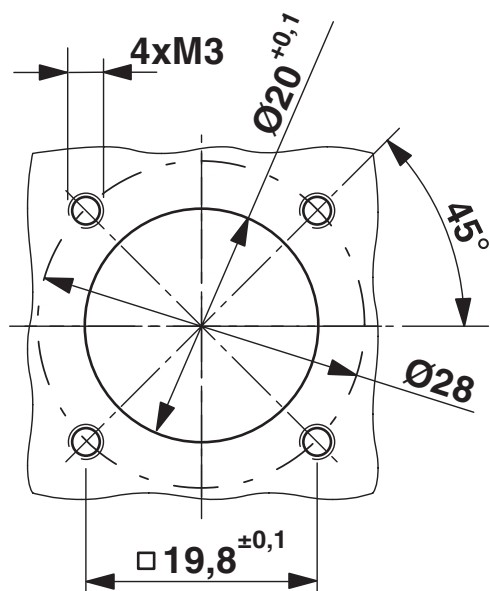


Connector pin assignment

1619971

<https://www.phoenixcontact.com/us/products/1619971>


Dimensional drawing




Installation dimensions

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619971>

<div> <b>cUL Recognized</b> Approval ID: E335019-20141210</div>				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	48 V	12 A	14 - 14	-
Signal	48 V	4 A	20 - 20	-

<div> <b>UL Recognized</b> Approval ID: E335019-20141210</div>				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	48 V	20 A	14 - 14	-
Signal	48 V	6 A	20 - 20	-

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

# CA-09S1N8A2S00 - Device connector front mounting



1619971

<https://www.phoenixcontact.com/us/products/1619971>

## 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-09S1N8A2S00 - Device connector front mounting



1619971  
<https://www.phoenixcontact.com/us/products/1619971>

## Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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)