

CA-12P1N8A6Z00 - Device connector front mounting



1619888

<https://www.phoenixcontact.com/us/products/1619888>

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.: 12, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, Axial seal, Central fastening Pg13,5, 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	1619888
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEL
Catalog page	Page 94 (C-2-2019)
GTIN	4046356820783
Weight per piece (including packing)	22.8 g
Weight per piece (excluding packing)	22.8 g
Customs tariff number	85366990
Country of origin	DE

CA-12P1N8A6Z00 - Device connector front mounting



1619888

<https://www.phoenixcontact.com/us/products/1619888>

Technical data

Notes

General	Order 12 x 1 mm crimp contacts separately
---------	---

Product properties

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

Connector

Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Contact diameter	1 mm
Litz wire cross-section	0.08 mm ²
Litz wire cross-section	1 mm ²
Nominal current per signal contact	8 A
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Order information:	If necessary, order locking nut separately
Housing material	CuZn
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
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 %

CA-12P1N8A6Z00 - Device connector front mounting

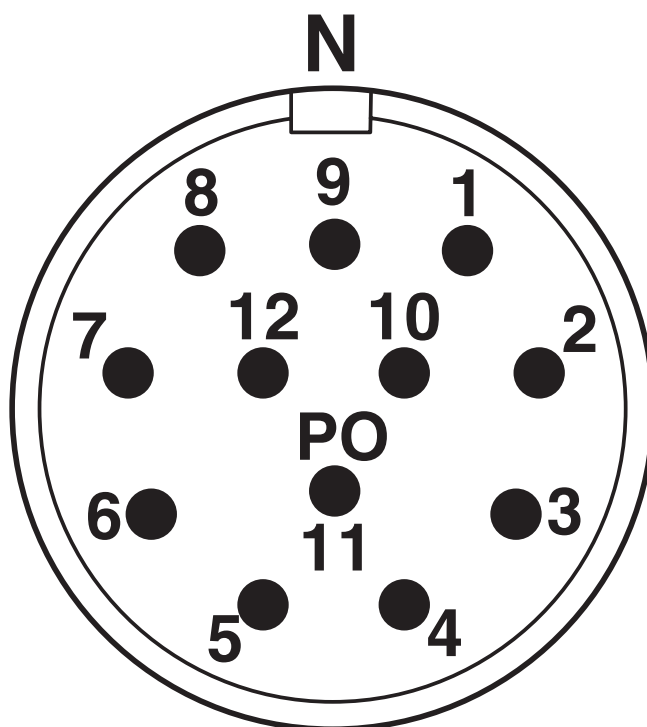


1619888

<https://www.phoenixcontact.com/us/products/1619888>

Drawings

Schematic diagram



Connector pin assignment

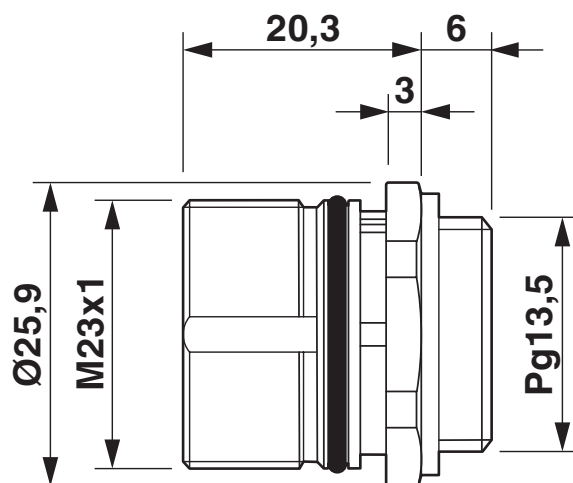
CA-12P1N8A6Z00 - Device connector front mounting

1619888

<https://www.phoenixcontact.com/us/products/1619888>

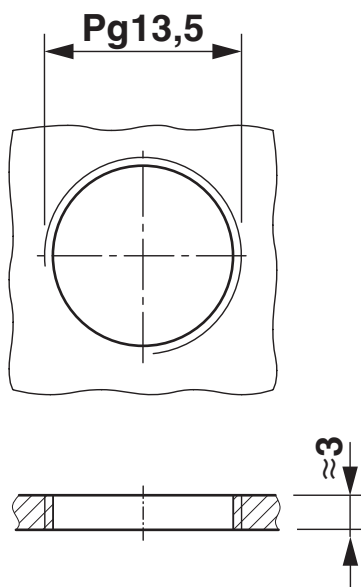


Dimensional drawing



Dimensional drawing

Dimensional drawing



Installation dimensions

CA-12P1N8A6Z00 - Device connector front mounting



1619888

<https://www.phoenixcontact.com/us/products/1619888>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619888>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	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
	48 V	6 A	- 20	-

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

CA-12P1N8A6Z00 - Device connector front mounting



1619888

<https://www.phoenixcontact.com/us/products/1619888>

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-12P1N8A6Z00 - Device connector front mounting



1619888
<https://www.phoenixcontact.com/us/products/1619888>

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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