

CA-12P1N8AAD00 - Device connector front mounting



1621738

<https://www.phoenixcontact.com/us/products/1621738>

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, angled rotatable, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, Axial O-ring, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

Your advantages

- Easy connection, thanks to infinitely adjustable cable outlet direction up to 310°
- 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	1621738
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEM
GTIN	4055626000817
Weight per piece (including packing)	121.9 g
Weight per piece (excluding packing)	111.688 g
Customs tariff number	85366990
Country of origin	DE

CA-12P1N8AAD00 - Device connector front mounting



1621738

<https://www.phoenixcontact.com/us/products/1621738>

Technical data

Notes

Order information:	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
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Number Contact (Signal contacts)	12
Diameter Contact (Signal contacts)	1 mm
Litz wire cross-section min. Contact (Signal contacts)	0.08 mm²
Litz wire cross-section max. Contact (Signal contacts)	1 mm²
Rated current Contact (Signal contacts)	8 A (for max. connection cross section)
Rated voltage Contact (Signal contacts)	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Type	Flange housing
Thread type	M23
Design	angled rotatable
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Mounting type	Front mounting/square flange (4x Ø 3.2 mm)
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP67
Seal for the device	Axial O-ring

Environmental and real-life conditions

CA-12P1N8AAD00 - Device connector front mounting



1621738

<https://www.phoenixcontact.com/us/products/1621738>

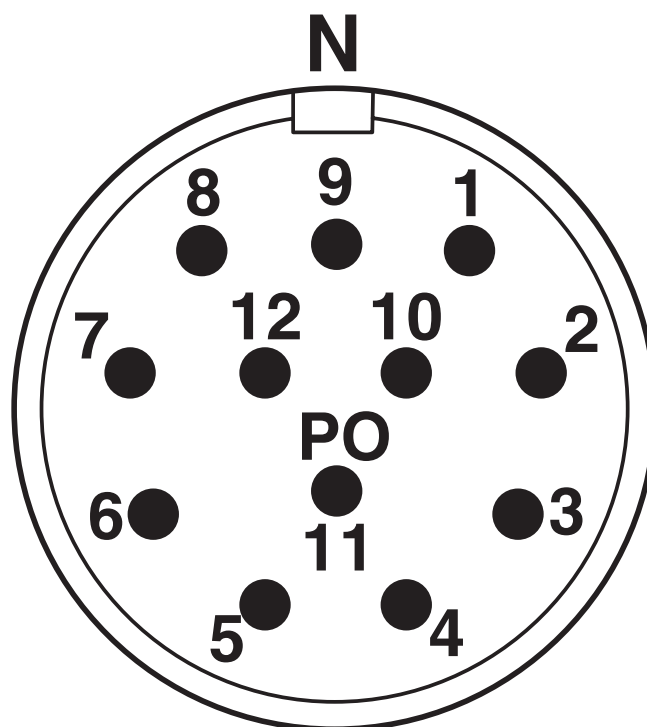
Ambient conditions

Permissible humidity (storage/transport)
--

50 % ... 65 %

Drawings

Schematic diagram

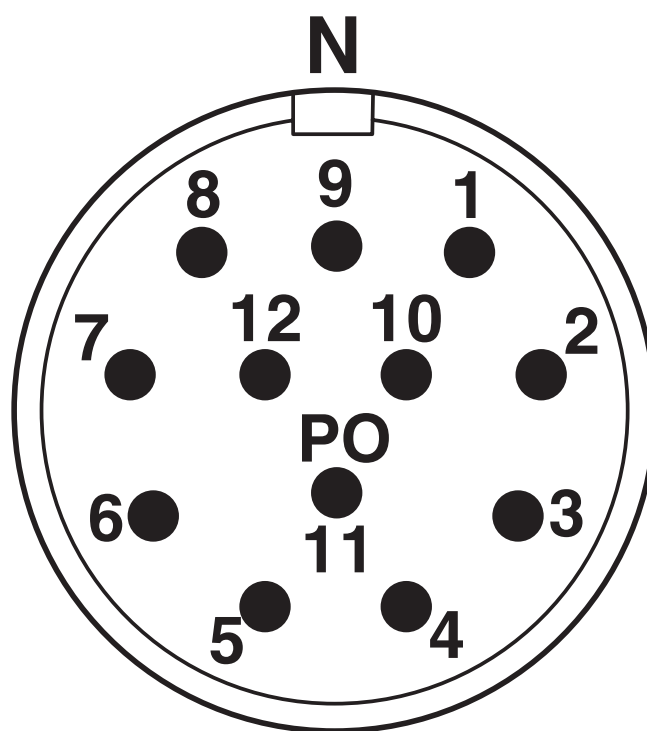


Connector pin assignment

1621738

<https://www.phoenixcontact.com/us/products/1621738>

Schematic diagram



Connector pin assignment

CA-12P1N8AAD00 - Device connector front mounting



1621738

<https://www.phoenixcontact.com/us/products/1621738>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1621738>

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

CA-12P1N8AAD00 - Device connector front mounting



1621738

<https://www.phoenixcontact.com/us/products/1621738>

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 9.0	EC003569
----------	----------

UNSPSC

UNSPSC 21.0	39121100
-------------	----------

CA-12P1N8AAD00 - Device connector front mounting



1621738

<https://www.phoenixcontact.com/us/products/1621738>

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 2025 © - 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