

CA-12P1N8AHZ00 - Device connector rear mounting



1619787

<https://www.phoenixcontact.com/us/products/1619787>

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.



The figure shows the product version with solder contacts

M23, Device connector rear mounting, application: Signal, 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, 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

- 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
- Application-specific panel mounting optionally with thread or anti-rotation protection and lock nut

Commercial data

Item number	1619787
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAER
GTIN	4046356821308
Weight per piece (including packing)	47.4 g
Weight per piece (excluding packing)	40.559 g
Customs tariff number	85366990
Country of origin	DE

1619787

<https://www.phoenixcontact.com/us/products/1619787>

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 (Signal contacts)	12
Contact diameter (Signal contacts)	1 mm
Litz wires Min. cross section (Signal contacts)	0.08 mm ²
Litz wires Max. cross section (Signal contacts)	1 mm ²
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	Feed-through header
Thread type	M23
Design	straight
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Mounting type	Rear wall/screw mounting (M25 x 1,5)
Assembly note	Central fastening
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP67
Seal for the device	Axial seal

CA-12P1N8AHZ00 - Device connector rear mounting



1619787

<https://www.phoenixcontact.com/us/products/1619787>

Environmental and real-life conditions

Ambient conditions

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

CA-12P1N8AHZ00 - Device connector rear mounting



1619787

<https://www.phoenixcontact.com/us/products/1619787>

Drawings

Schematic diagram



Connector pin assignment

CA-12P1N8AHZ00 - Device connector rear mounting



1619787

<https://www.phoenixcontact.com/us/products/1619787>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619787>

 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-12P1N8AHZ00 - Device connector rear mounting



1619787

<https://www.phoenixcontact.com/us/products/1619787>

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 10.0	EC003569
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

CA-12P1N8AHZ00 - Device connector rear mounting



1619787

<https://www.phoenixcontact.com/us/products/1619787>

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	f8992af3-e844-491b-8dae-a24d02462e0a

Phoenix Contact 2026 © - 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