

CA-12P1N12HZ00 - Device connector rear mounting



1619789

<https://www.phoenixcontact.com/us/products/1619789>

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M23, Device connector rear mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Solder connection, Axial seal, Central fixing, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243841

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
- Solder connection: proven connection technology for various litz wires
- Application-specific panel mounting optionally with thread or anti-rotation protection and lock nut

Commercial data

Item number	1619789
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAER
Catalog page	Page 102 (C-2-2019)
GTIN	4046356821285
Weight per piece (including packing)	52.5 g
Weight per piece (excluding packing)	49 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Circular connectors (device side)
Data management status	
Article revision	06

Connection data

Conductor connection	
Connection method	Solder connection
Contact connection type	Pin

Connector

Insulating body	
Coding	N
Insulation body material	PBT
Contact material	CuZn
Contact surface material	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Pin
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overshoot category	III
Degree of pollution	3
Contact diameter	Signal contacts
Litz wire cross-section	Signal contacts max.
Nominal current per signal contact	1 mm ²
	8 A

Housing

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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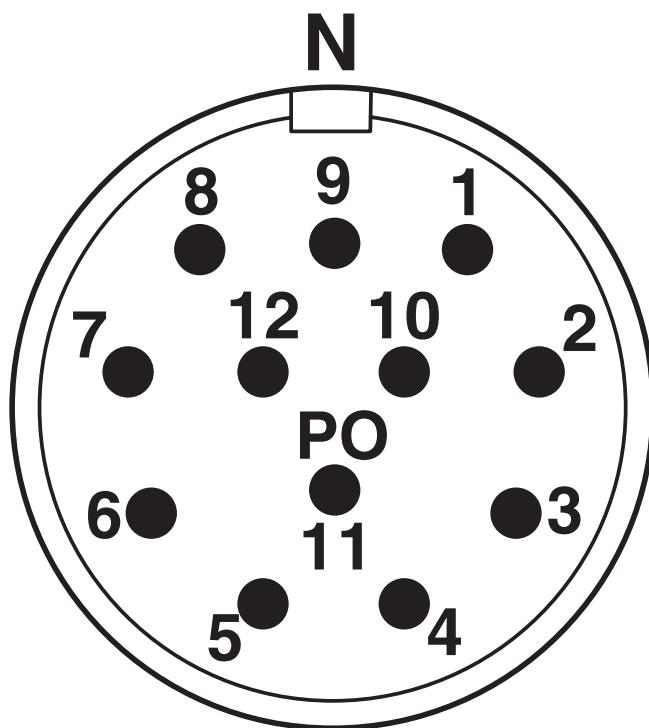
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Drawings

Schematic diagram



Connector pin assignment

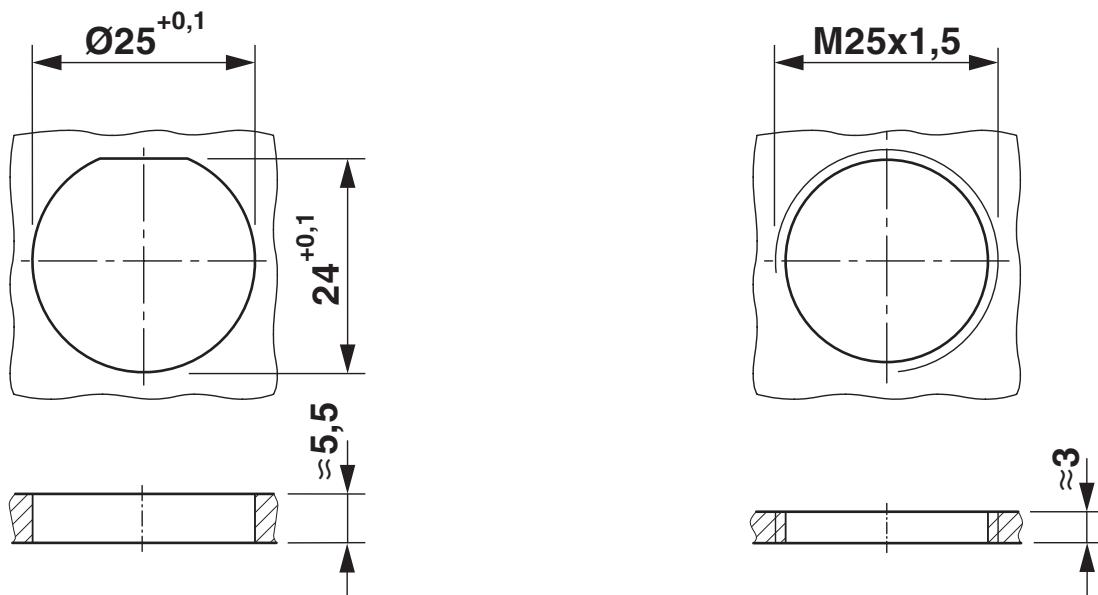
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Dimensional drawing



Installation dimensions

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Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619789>

cUL Recognized				
Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	6 A	18 - 18	-

UL Recognized				
Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	8 A	18 - 18	-

cULus Recognized

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Classifications

ECLASS

ECCLASS-13.0	27440109
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ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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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	5fc781a3-2a22-44ab-8d25-4a58218826bb

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