CA-09P1N12HZ00 - Device connector rear mounting

1619842

https://www.phoenixcontact.com/us/products/1619842

M23, Device connector rear mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 8+1, 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.: 1243845

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 wall mounting optionally with thread or anti-rotation protection and lock nut

Commercial data

Item number	1619842
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAER
Catalog page	Page 102 (C-2-2019)
GTIN	4046356821247
Weight per piece (including packing)	50.1 g
Weight per piece (excluding packing)	48.2 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Product properties

Product type	Circular connectors (device side)

Data management status

Article revision	05

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	9
Direction of rotation	Standard
Connection profile	8+1
Contact diameter Power contacts	2 mm
Litz wire cross-section Power contacts max.	2.5 mm²
Rated current Power contacts	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 Signal contacts	1 mm
Litz wire cross-section Signal contacts max.	1 mm²
Nominal current per signal contact	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

Environmental and real-life conditions

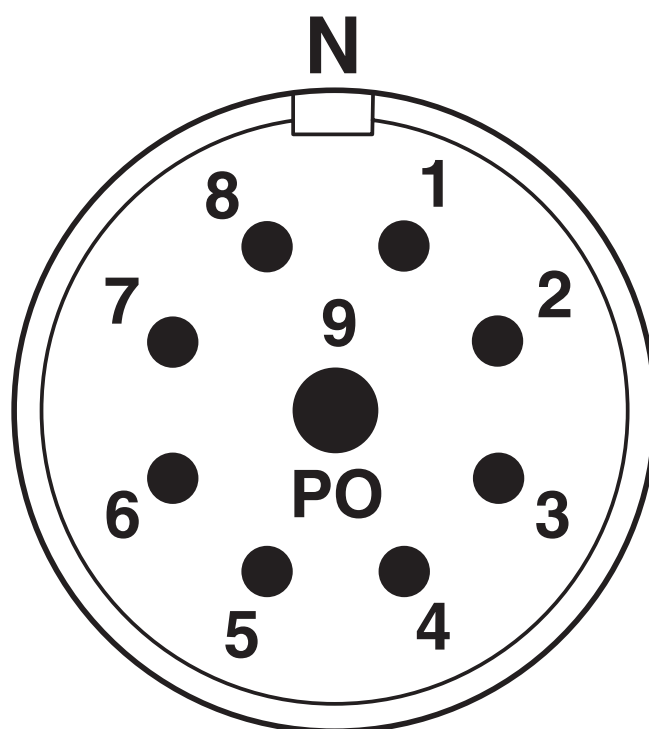# CA-09P1N12HZ00 - Device connector rear mounting

Ambient conditions

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

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Drawings

Schematic diagram

Connector pin assignment

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619842

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	12 A	14 - 14	-
Signal	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
Power	48 V	20 A	14 - 14	-
Signal	48 V	8 A	18 - 18	-

cULus Recognized

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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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	c7c814cc-6cec-4948-9412-24d2591a2756

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Accessories

SF-Z0019 - Protective cap

Plastic protection cap, with eye, IP40 for connectors with M23 external thread, RF, SF series

RC-Z2469 - Protective cap

Plastic protection cap, antistatic, for RF, SF, CA, RC series connectors, with M23 external thread

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https://www.phoenixcontact.com/us/products/1619842

RC-Z2104 - Metal protective cap

1604260

https://www.phoenixcontact.com/us/products/1604260

Metal protective cap, M23, degree of protection: IP67, series: RC, UC, RF, SF, NC, RM, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241739

RC-Z2068 - Metal protective cap

1604236

https://www.phoenixcontact.com/us/products/1604236

Metal protective cap, M23, degree of protection: IP67, series: RC, UC, RF, SF, NC, RM, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241735

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CA-Z0110 - Color coding

1620700

https://www.phoenixcontact.com/us/products/1620700

Color coding, color: green

CA-Z0111 - Color coding

1620701

https://www.phoenixcontact.com/us/products/1620701

Color coding, color: orange

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https://www.phoenixcontact.com/us/products/1619842

CA-Z0112 - Color coding

1620702

https://www.phoenixcontact.com/us/products/1620702

Color coding, color: black

CA-Z0001 - Contact removal tool

1620699

https://www.phoenixcontact.com/us/products/1620699

Unlocking tool for contact carriers for snapping in the M23 signal device connectors

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https://www.phoenixcontact.com/us/products/1619842

PROT-M23PRO-OT-IP20 - Plastic protective cap

1055753

https://www.phoenixcontact.com/us/products/1055753

Plastic protective cap, M23, degree of protection: IP20, series: M23 PRO