CA-12P1N126Y00 - Device connector front mounting

1619864

https://www.phoenixcontact.com/us/products/1619864

PHŒNIX CONTACT

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, Solder connection, Axial seal, Central fastening M20 x 1.5, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243861

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	1619864
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEL
Catalog page	Page 96 (C-2-2019)
GTIN	4046356821025
Weight per piece (including packing)	30.8 g
Weight per piece (excluding packing)	26 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Product properties

Product type	Circular connectors (device side)

Data management status

Article revision	06

Connector

Insulating body

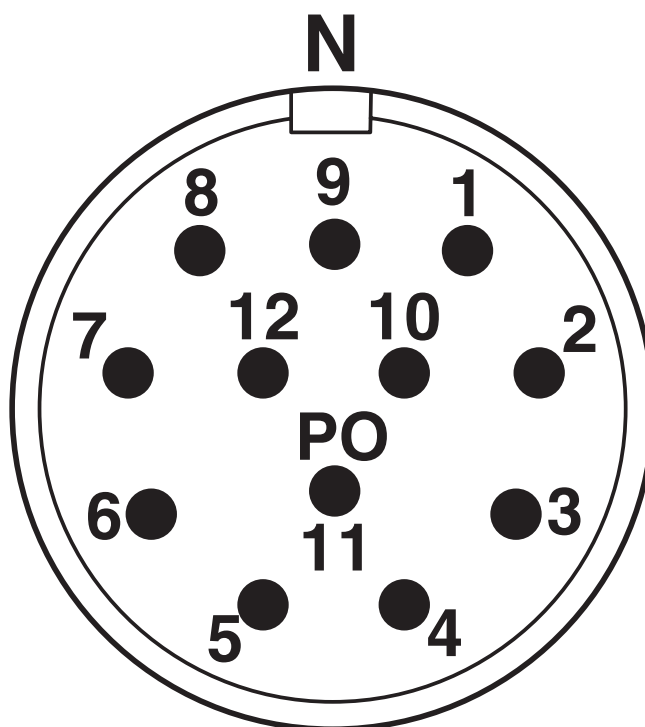|	
Coding	N
Insulation body material	PBT
Contact material	CuZn
Contact surface material	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Pin
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
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

Order information:	If necessary, order locking nut separately
Housing material	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

Ambient conditions

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

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Drawings

Schematic diagram

N

8   9   1

12   10

7   2

PO

6   3

11

5   4

Connector pin assignment

Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619864

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

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	9b4220d0-a595-4994-99bd-166f58b9329f

Accessories

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/1619864

CA-Z0112 - Color coding

1620702

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

Color coding, color: black

SF-Z0019 - Protective cap

1607449

https://www.phoenixcontact.com/us/products/1607449

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

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https://www.phoenixcontact.com/us/products/1619864

RC-Z2469 - Protective cap

1611797

https://www.phoenixcontact.com/us/products/1611797

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

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

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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

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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RC-13041 - Flat nut

1600417

https://www.phoenixcontact.com/us/products/1600417

Flat nut, Screw mounting, M20 x 1,5, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241209

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

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