

# CA-16P1N126Z00 - Device connector front mounting



1619886

<https://www.phoenixcontact.com/us/products/1619886>

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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Pin, Solder connection, Axial seal, Central fastening Pg13,5, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243873

## 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

## Commercial data

Item number	1619886
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEL
GTIN	4046356820806
Weight per piece (including packing)	29.3 g
Weight per piece (excluding packing)	29.3 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	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	16
Direction of rotation	Standard
Connection profile	16
Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter	1 mm
Litz wire cross-section	1 mm <sup>2</sup>
Nominal current per signal contact	8 A

### Signal contacts

### Signal contacts max.

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

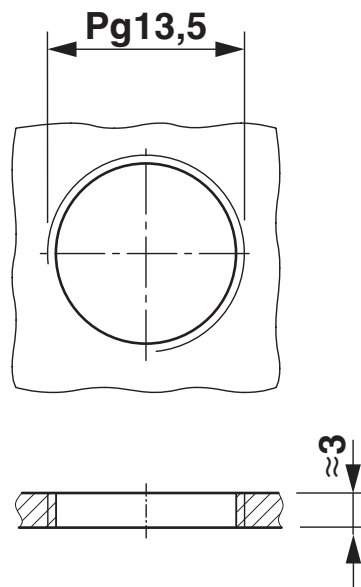
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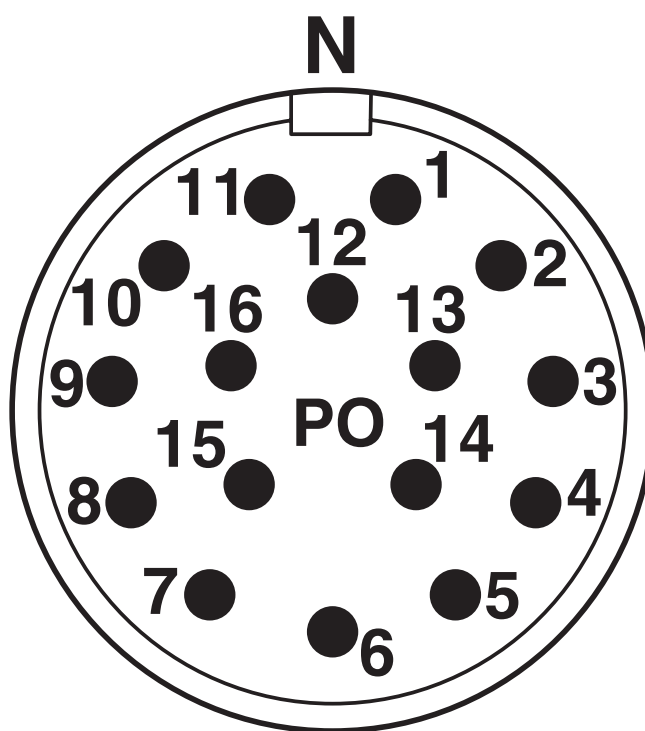
## Drawings

Dimensional drawing



Installation dimensions


Schematic diagram




Connector pin assignment

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619886>

<div> <b>cUL Recognized</b> Approval ID: E335019-20141210</div>				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	48 V	5 A	18 - 18	-

<div> <b>UL Recognized</b> Approval ID: E335019-20141210</div>				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	48 V	8 A	18 - 18	-

<b>cULus Recognized</b>				
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## Classifications

### ECLASS

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

### 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	8a524a2d-fc3f-4b05-a76a-bfecdb1e9109

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## Accessories

### 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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### 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



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## 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

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## CA-Z0110 - Color coding

1620700

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

Color coding, color: green



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## CA-Z0111 - Color coding

1620701

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

Color coding, color: orange



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## CA-Z0112 - Color coding

1620702

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

Color coding, color: black



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## 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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## SACC-E-MU-PG13,5 - Flat nut

1539143

<https://www.phoenixcontact.com/us/products/1539143>

Flat nut, Screw mounting, Pg13.5, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)



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## 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)