

# CA-17P1N122S00X - Device connector front mounting



1243921

<https://www.phoenixcontact.com/in/products/1243921>

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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Pin, Solder connection, Flat gasket, 4x Ø 3.2, flange dimensions: 25 mm x 25 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## 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	1243921
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABR
Product key	ABRAEL
GTIN	4063151405786
Weight per piece (including packing)	32.3 g
Weight per piece (excluding packing)	28.2 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Circular connectors (device side)
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### 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	17
Direction of rotation	Standard
Connection profile	17
Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter <b>Signal contacts</b>	1 mm
Litz wire cross-section <b>Signal contacts</b> max.	1 mm <sup>2</sup>
Nominal current per signal contact	8 A

#### Housing

Housing material	GD-Zn
Flange dimensions	25 mm x 25 mm
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

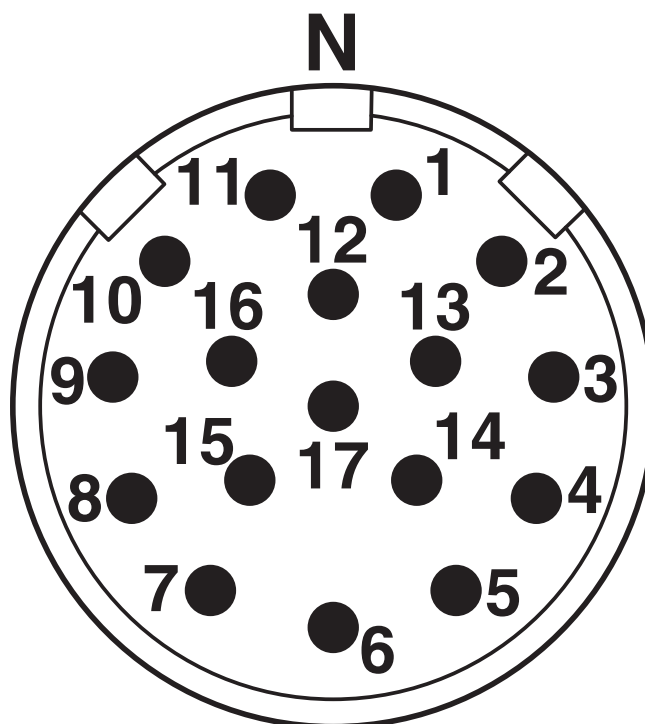
### Environmental and real-life conditions

#### Ambient conditions

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

Schematic diagram



Connector pin assignment

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1243921>

 <b>cUL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	48 V	5 A	18	-

 <b>UL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	48 V	8 A	18	-

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

### ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

### ETIM

ETIM 9.0	EC003569
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### UNSPSC

UNSPSC 21.0	39121100
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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## Accessories

### SF-Z0019 - Protective cap

1607449

<https://www.phoenixcontact.com/in/products/1607449>



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

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### RC-Z2104X - Metal protective cap

1241739

<https://www.phoenixcontact.com/in/products/1241739>



Metal protective cap, series: RC, UC, RF, SF, NC, RM, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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### RC-Z2068X - Metal protective cap

1241735

<https://www.phoenixcontact.com/in/products/1241735>

Metal protective cap, series: RC, UC, RF, SF, NC, RM, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)



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### CA-Z0120 - Color coding

1620704

<https://www.phoenixcontact.com/in/products/1620704>

Color coding, color: green





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## CA-Z0121 - Color coding

1620705

<https://www.phoenixcontact.com/in/products/1620705>

Color coding, color: orange



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## CA-Z0122 - Color coding

1620706

<https://www.phoenixcontact.com/in/products/1620706>

Color coding, color: black



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### CA-Z0001 - Contact removal tool

1620699

<https://www.phoenixcontact.com/in/products/1620699>



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

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### PROT-M23PRO-OT-IP20 - Plastic protective cap

1055753

<https://www.phoenixcontact.com/in/products/1055753>



Plastic protective cap, M23, series: M23 PRO

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