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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: Socket, Solder connection, Axial seal, Central fastening M20 x 1.5, can be positioned via a locking nut, coding: N

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	1624056
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEL
Catalog page	Page 99 (C-2-2019)
GTIN	4055626227771
Weight per piece (including packing)	36.12 g
Weight per piece (excluding packing)	36.12 g
Customs tariff number	85366990
Country of origin	DE

# CA-17S1N126L00 - Device connector front mounting



1624056

<https://www.phoenixcontact.com/us/products/1624056>

## Technical data

### Product properties

Product type	Circular connectors (device side)
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### Material specifications

Flammability rating according to UL 94	V0
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### Connector

#### Connection 1

Head design	Socket
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#### Insulating body

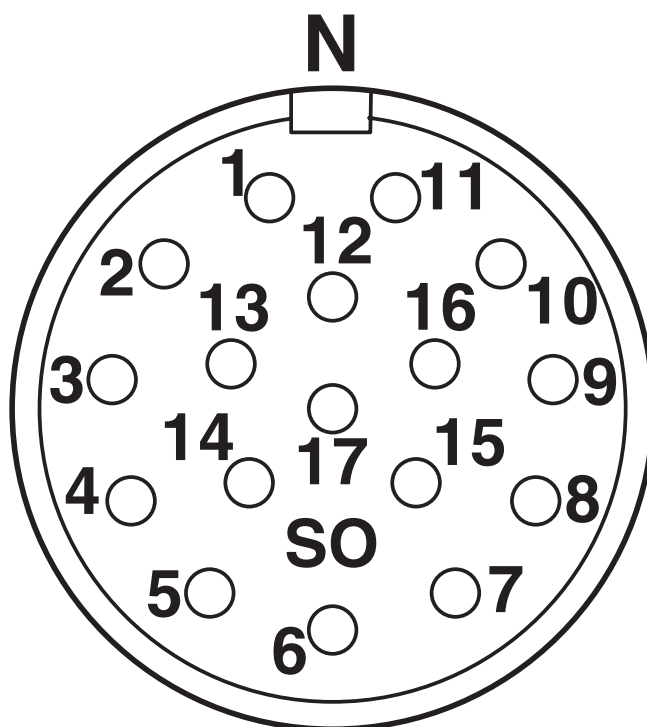
Coding	N
Insulation body material	PBT
Contact material	CuZn
Contact surface material	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Socket
Application	Signal
Number of positions	17
Direction of rotation	Standard
Connection profile	17
Rated voltage	48 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	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

## Drawings

Schematic diagram



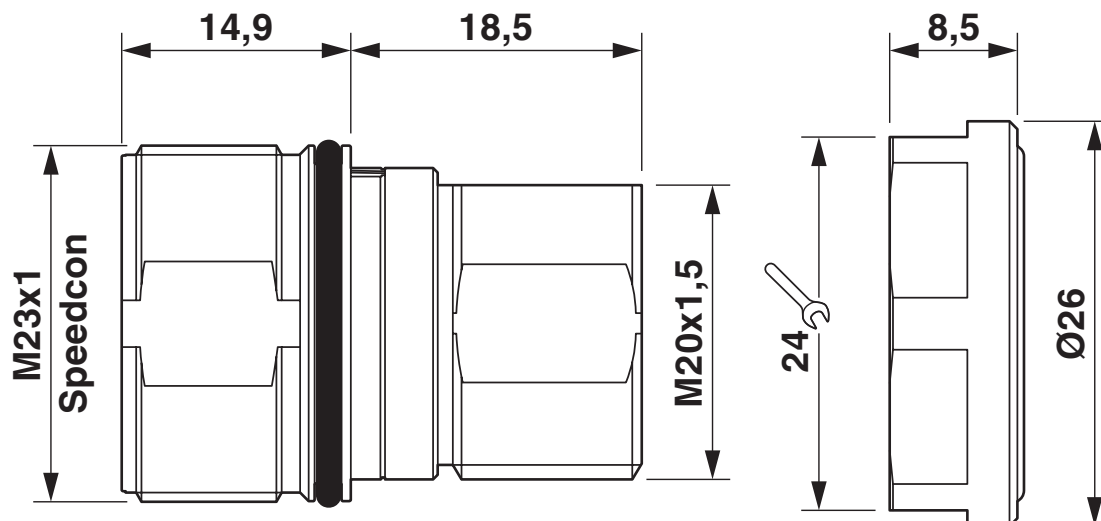
Connector pin assignment

# CA-17S1N126L00 - Device connector front mounting

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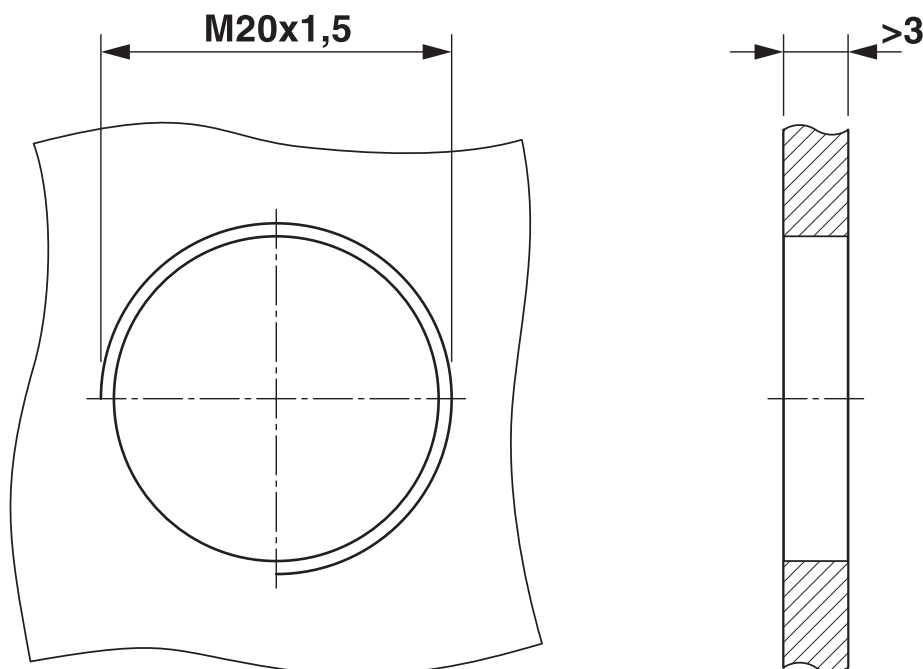
<https://www.phoenixcontact.com/us/products/1624056>

Dimensional drawing



Technical drawings can be found under Downloads

Dimensional drawing





Installation dimensions

1624056  
<https://www.phoenixcontact.com/us/products/1624056>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1624056>

<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	-

<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	-

<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	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	90a71f08-3b1b-4cff-b42b-d7f11d45cd64

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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



# CA-17S1N126L00 - Device connector front mounting



1624056

<https://www.phoenixcontact.com/us/products/1624056>

## 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-17S1N126L00 - Device connector front mounting

1624056

<https://www.phoenixcontact.com/us/products/1624056>



## 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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## RF-Z0017 - Color coding

1620624

<https://www.phoenixcontact.com/us/products/1620624>

Color coding, color: green



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1624056

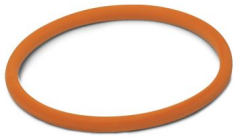
<https://www.phoenixcontact.com/us/products/1624056>

## RF-Z0018 - Color coding

1620625

<https://www.phoenixcontact.com/us/products/1620625>

Color coding, color: orange



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## RF-Z0019 - Color coding

1620626

<https://www.phoenixcontact.com/us/products/1620626>

Color coding, color: anthracite



# CA-17S1N126L00 - Device connector front mounting



1624056

<https://www.phoenixcontact.com/us/products/1624056>

## 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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