

1619903  
<https://www.phoenixcontact.com/us/products/1619903>

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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Solder connection, Axial seal, coding: N, this item is expected to be lead-free from Q3 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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	1619903
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEL
GTIN	4046356820639
Weight per piece (including packing)	29.7 g
Weight per piece (excluding packing)	22.799 g
Customs tariff number	85366990
Country of origin	DE

# CA-06S1N126Z00 - Device connector front mounting



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## Technical data

### Product properties

Product type	Circular connectors (device side)
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### Connector

#### Insulating body

Coding	N
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	6
Direction of rotation	Standard
Connection profile	6
Rated voltage Contact (Contact group 1)	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Number Contact (Contact group 2)	6
Diameter Contact (Contact group 2)	2 mm
Litz wire cross-section max. Contact (Contact group 2)	2.5 mm <sup>2</sup>
Nominal current per signal contact	20 A

#### Housing

Order information:	If necessary, order locking nut separately
Thread type	M23
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Housing material	CuZn
Degree of protection (plugged in)	IP67

### Environmental and real-life conditions

#### Ambient conditions

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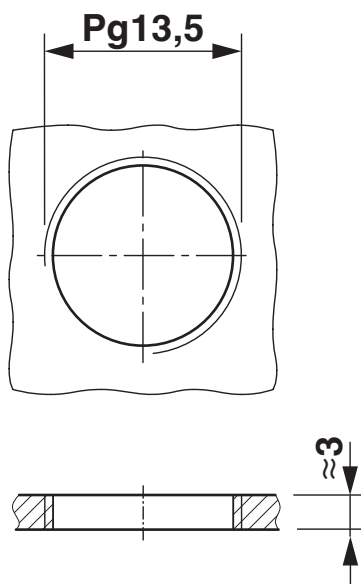
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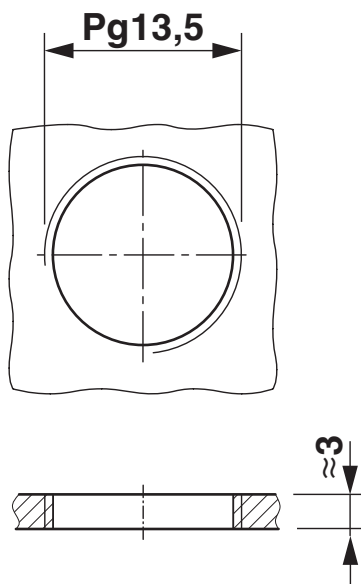
## Drawings

Dimensional drawing



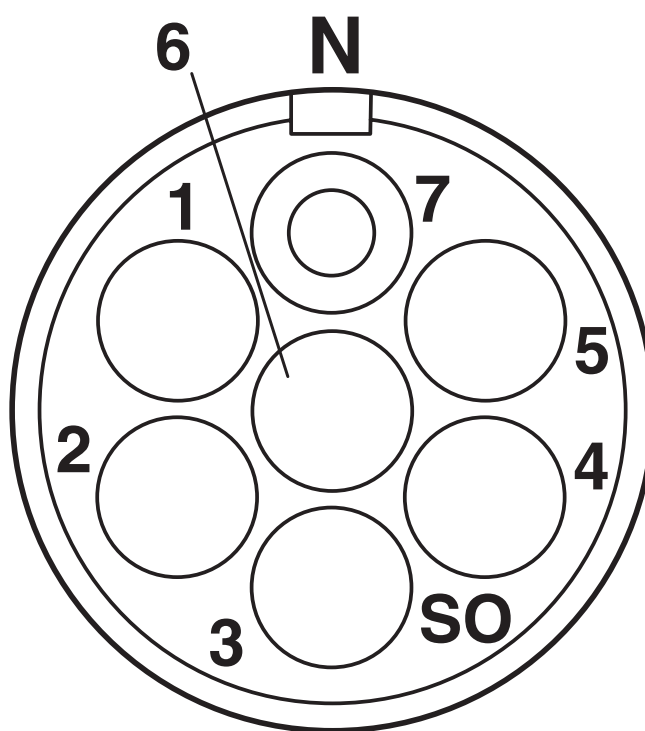
Installation dimensions

Dimensional drawing



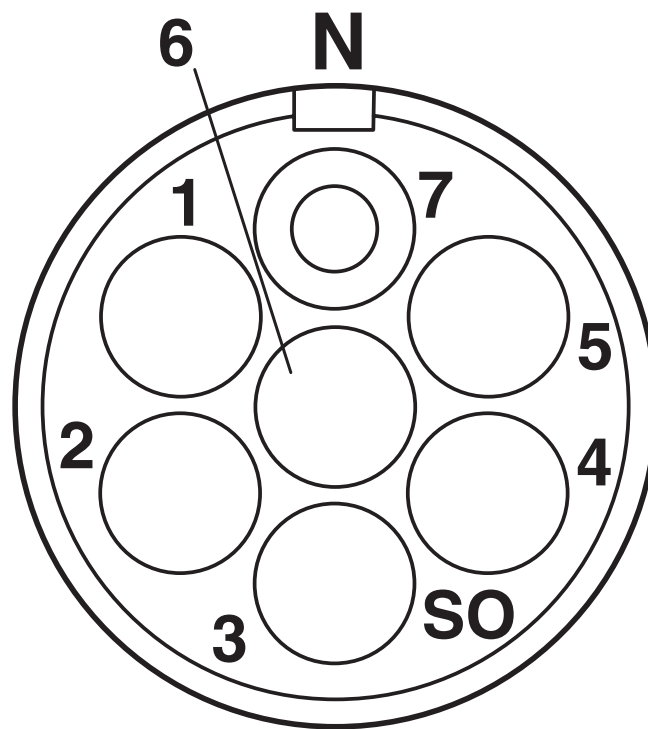
Installation dimensions

Schematic diagram



Connector pin assignment

Schematic diagram



Connector pin assignment

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## Approvals

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	<b>cUL Recognized</b>			
	Approval ID: E335019-20141210			
		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG
		48 V	10 A	14
				Cross section mm <sup>2</sup>
				-

	<b>UL Recognized</b>			
	Approval ID: E335019-20141210			
		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG
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## Classifications

### ECLASS

ECLASS-13.0	27440109
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### 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	5b3b5837-3d5e-4048-b09e-d247ad04872b

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