

# CA-07P1N8A6L00 - Device connector front mounting



1624023

<https://www.phoenixcontact.com/gb/products/1624023>

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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Pin, Crimp 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
- Crimping connection: vibration- and temperature-resistant assembly

## Commercial data

Item number	1624023
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	ABRAEL
Product key	ABRAEL
Catalog page	Page 98 (C-2-2019)
GTIN	4055626227795
Weight per piece (including packing)	33.3 g
Weight per piece (excluding packing)	28.914 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

Order information:	Order 7 x Ø 2 mm crimp contacts separately
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### Product properties

Product type	Circular connectors (device side)
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### Data management status

Article revision	04
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### Material specifications

Flammability rating according to UL 94	V0
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### Connector

#### Insulating body

Note	Order information: Order 7 x Ø 2 mm crimp contacts separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	7
Direction of rotation	Standard
Connection profile	7
Contact diameter	2 mm
Signal contacts	
Litz wire cross-section Signal contacts min.	1 mm <sup>2</sup>
Litz wire cross-section Signal contacts max.	2.5 mm <sup>2</sup>
Nominal current per signal contact	20 A
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

#### 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

### Environmental and real-life conditions

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1624023

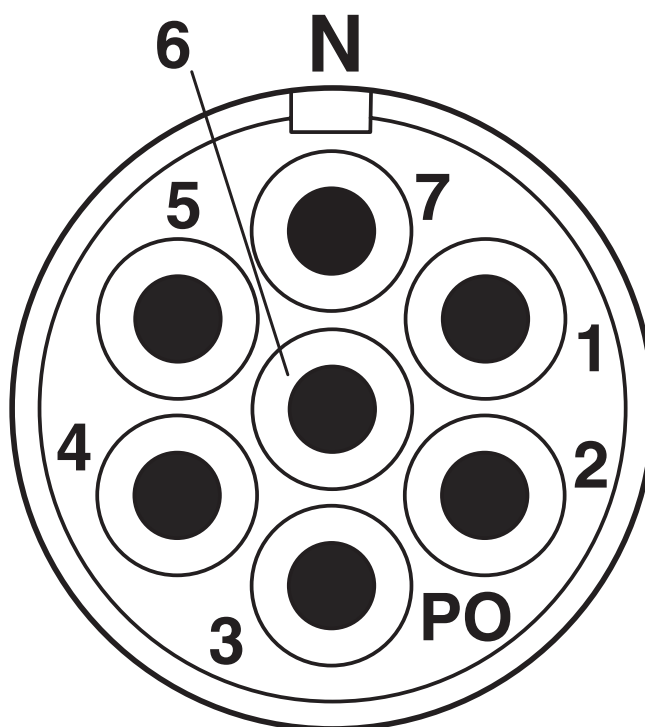
<https://www.phoenixcontact.com/gb/products/1624023>

## Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

## Drawings

Schematic diagram

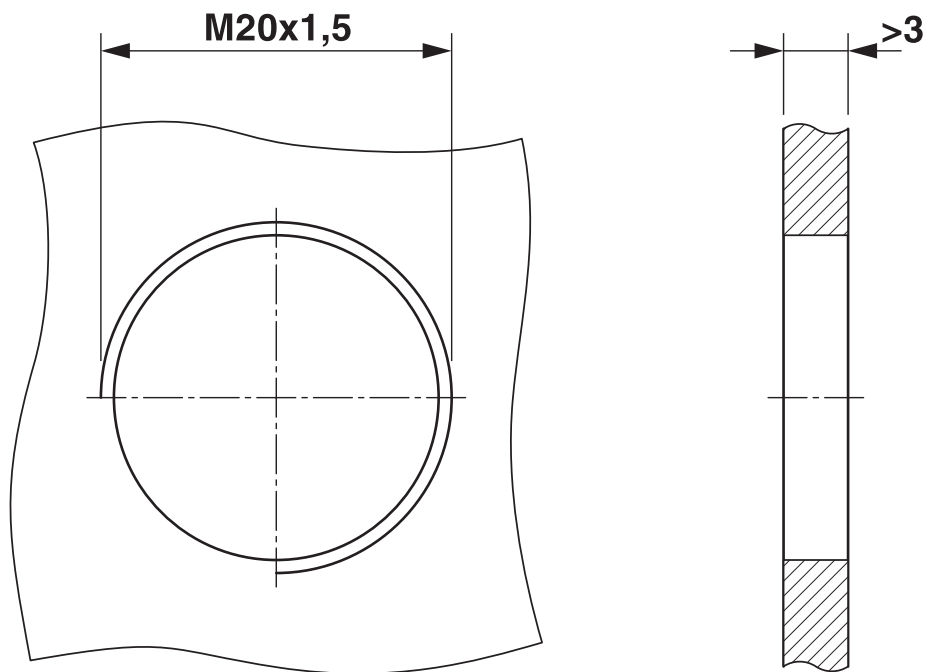


Connector pin assignment

1624023

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Dimensional drawing




Installation dimensions

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1624023>

<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	10 A	14 - 14	-

<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	17 A	14 - 14	-

<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	d16e73e2-b602-4146-ae6b-981e31db3be4

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