

1619897

<https://www.phoenixcontact.com/us/products/1619897>

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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: Socket, Crimp connection, Axial seal, Central fastening Pg13,5, 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	1619897
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEL
Catalog page	Page 94 (C-2-2019)
GTIN	4046356820691
Weight per piece (including packing)	23.8 g
Weight per piece (excluding packing)	23.8 g
Customs tariff number	85366990
Country of origin	DE

# CA-07S1N8A6Z00 - Device connector front mounting



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## Technical data

### Product properties

Product type	Circular connectors (device side)
Data management status	
Article revision	05

### Connector

#### Insulating body

Note	Order information: Order crimp contacts Ø 2 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	7
Direction of rotation	Standard
Connection profile	7
Contact diameter	2 mm
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

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

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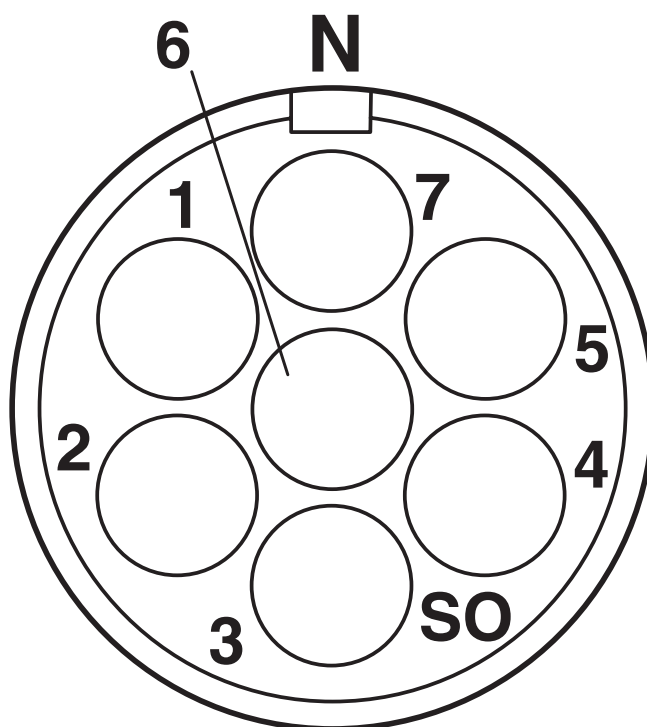


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## Drawings


Schematic diagram




Connector pin assignment

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619897>

 <b>cUL Recognized</b> Approval ID: E335019-20141210				
	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	-

 <b>UL Recognized</b> Approval ID: E335019-20141210				
	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	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, No exemptions
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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/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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<https://www.phoenixcontact.com/us/products/1619897>



### CA-Z0112 - Color coding

1620702

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

Color coding, color: black



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### RC-5CS2000 - Crimp contact

1603517

<https://www.phoenixcontact.com/us/products/1603517>



Crimp contact, Socket, turned, contact diameter: 2 mm, crimp range: 1 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241635

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### RC-5AS2000 - Crimp contact

1603509

<https://www.phoenixcontact.com/us/products/1603509>



Crimp contact, Socket, turned, contact diameter: 2 mm, crimp range: 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241635

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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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## RC-5SS2000 - Crimp contact

1603530

<https://www.phoenixcontact.com/us/products/1603530>



Crimp contact, Socket, turned, contact diameter: 2 mm, crimp range: 0.5 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241633

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## RC-59S2000 - Crimp contact

1603501

<https://www.phoenixcontact.com/us/products/1603501>



Crimp contact, Socket, turned, Single contact, contact diameter: 2 mm, crimp range: 0.75 mm<sup>2</sup> ... 1 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241633

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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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