

CA-09S1N122S00 - Device connector front mounting



1619973

<https://www.phoenixcontact.com/pc/products/1619973>

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M23, Device connector front mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Solder connection, Flat gasket, 4x Ø 3.2, flange dimensions: 25 mm x 25 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243928

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	1619973
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABRAEL
Catalog page	Page 100 (C-2-2019)
GTIN	4046356820097
Weight per piece (including packing)	28.9 g
Weight per piece (excluding packing)	22.142 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	Socket
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Contact diameter Power contacts	2 mm
Litz wire cross-section Power contacts max.	2.5 mm ²
Rated current Power contacts	20 A
Rated voltage	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts max.	1 mm ²
Nominal current per signal contact	8 A

Housing

Thread type	M23
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Mounting type	Front mounting (4x Ø 3.2 mm)
Flange dimensions	25 mm x 25 mm
Housing material	GD-Zn
Degree of protection (plugged in)	IP67

Environmental and real-life conditions

Ambient conditions

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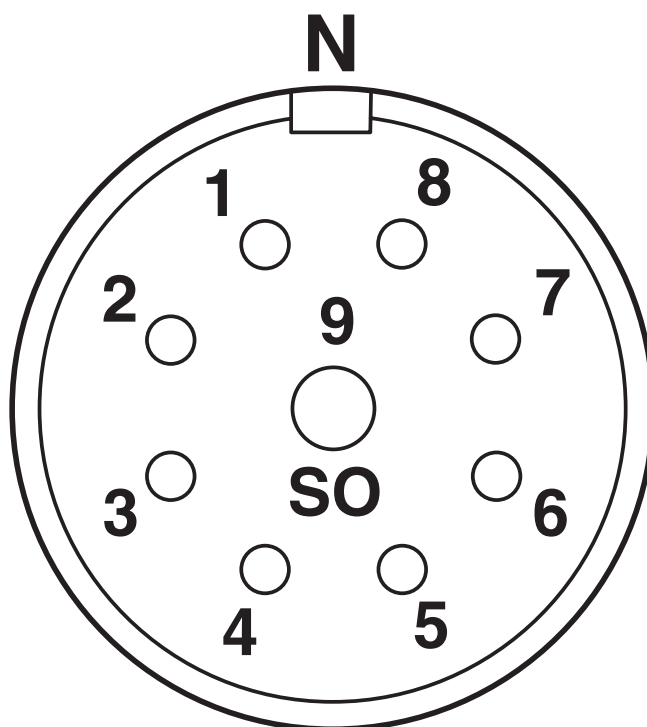
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Ambient temperature (operation)

-40 °C ... 125 °C

Drawings

Schematic diagram



Connector pin assignment

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1619973

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1619973>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	12 A	14	-
Signal	48 V	6 A	18	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	20 A	14	-
Signal	48 V	8 A	18	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-13.0

27440109

ETIM

ETIM 9.0

EC002635

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	c4fb167a-5927-4bd8-9766-397c40f34b09

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