

CA-09S1N12HZ00 - Device connector rear mounting



1619843

<https://www.phoenixcontact.com/us/products/1619843>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



M23, Device connector rear 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, Axial seal, Central fixing, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243846

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
- Application-specific wall mounting optionally with thread or anti-rotation protection and lock nut

Commercial data

Item number	1619843
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAER
Catalog page	Page 102 (C-2-2019)
GTIN	4046356821230
Weight per piece (including packing)	50.34 g
Weight per piece (excluding packing)	47 g
Customs tariff number	85366990
Country of origin	DE

CA-09S1N12HZ00 - Device connector rear mounting



1619843
<https://www.phoenixcontact.com/us/products/1619843>

Technical data

Product properties

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

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	2 mm
Power contacts	
Litz wire cross-section	2.5 mm²
Rated current	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	1 mm
Signal contacts	
Litz wire cross-section	1 mm²
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

Environmental and real-life conditions

CA-09S1N12HZ00 - Device connector rear mounting



1619843

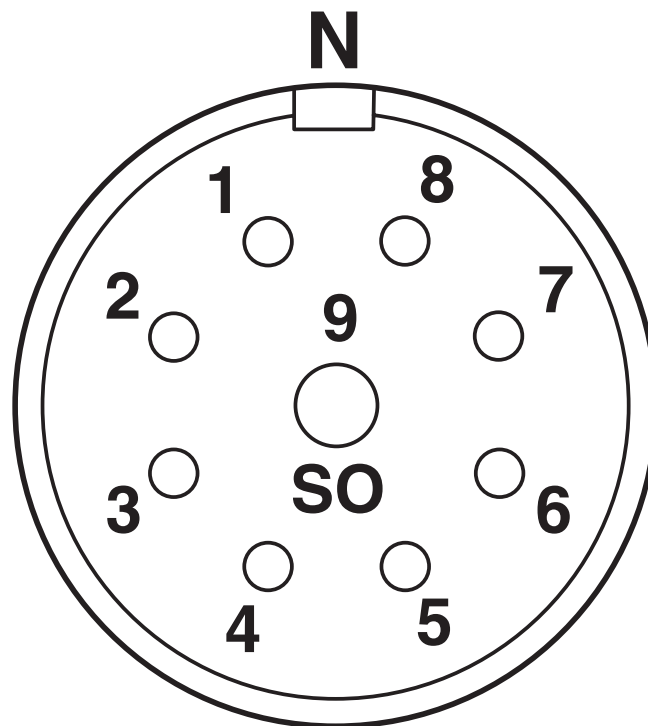
<https://www.phoenixcontact.com/us/products/1619843>

Ambient conditions

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

Drawings


Schematic diagram




Connector pin assignment

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619843>

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

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

cULus Recognized				
-------------------------	--	--	--	--

CA-09S1N12HZ00 - Device connector rear mounting



1619843

<https://www.phoenixcontact.com/us/products/1619843>

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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	115a4737-364b-4c22-a991-70143743e2df

CA-09S1N12HZ00 - Device connector rear mounting



1619843

<https://www.phoenixcontact.com/us/products/1619843>

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

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-09S1N12HZ00 - Device connector rear mounting



1619843

<https://www.phoenixcontact.com/us/products/1619843>

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

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-09S1N12HZ00 - Device connector rear mounting



1619843

<https://www.phoenixcontact.com/us/products/1619843>

CA-Z0110 - Color coding

1620700

<https://www.phoenixcontact.com/us/products/1620700>

Color coding, color: green



CA-Z0111 - Color coding

1620701

<https://www.phoenixcontact.com/us/products/1620701>

Color coding, color: orange



CA-09S1N12HZ00 - Device connector rear mounting

1619843

<https://www.phoenixcontact.com/us/products/1619843>



CA-Z0112 - Color coding

1620702

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

Color coding, color: black



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



CA-09S1N12HZ00 - Device connector rear mounting



1619843

<https://www.phoenixcontact.com/us/products/1619843>

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



Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com