

CA-09P1N12AD00 - Device connector front mounting



1621746

<https://www.phoenixcontact.com/us/products/1621746>

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M23, Device connector front mounting, series: RC, angled rotatable, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Pin, Solder connection, Axial O-ring, 4x Ø 3.2, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1244478

Your advantages

- Easy connection, thanks to infinitely adjustable cable outlet direction up to 310°
- 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	1621746
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEQ
Catalog page	Page 104 (C-2-2019)
GTIN	4055626001210
Weight per piece (including packing)	126.7 g
Weight per piece (excluding packing)	111.11 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

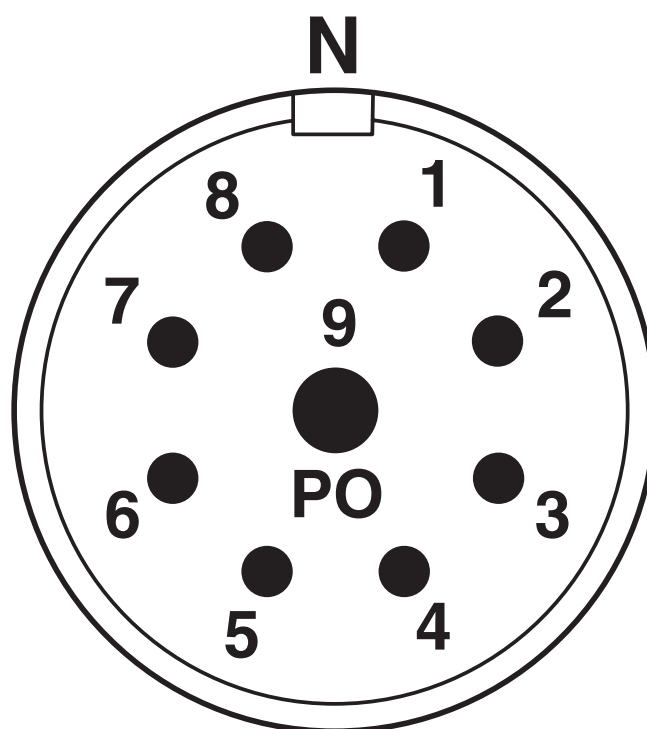
Coding	N
Insulation body material	PBT
Contact material	CuZn
Contact surface material	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Pin
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Contact diameter Power 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

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

Drawings

Schematic diagram



Connector pin assignment

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1621746>

 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-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121100
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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	2beb3205-4206-4aba-b73c-fe7012a76dd3

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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

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>



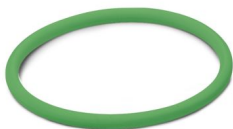
Metal protective cap, M23, degree of protection: IP67, series: RC, UC, RF, SF, NC, RM, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241739

RF-Z0017 - Color coding

1620624

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Color coding, color: green



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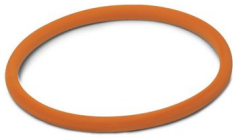
<https://www.phoenixcontact.com/us/products/1621746>

RF-Z0018 - Color coding

1620625

<https://www.phoenixcontact.com/us/products/1620625>

Color coding, color: orange



RF-Z0019 - Color coding

1620626

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Color coding, color: anthracite



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