CA-16P1N8AHZ00 - Device connector rear mounting

1619783

https://www.phoenixcontact.com/us/products/1619783

PHŒNIX CONTACT

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M23, Device connector rear mounting, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, Axial seal, Central fixing, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243835

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

Commercial data

Item number	1619783
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAER
GTIN	4046356821346
Weight per piece (including packing)	47.1 g
Weight per piece (excluding packing)	47.1 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Order information:	Order 6 x Ø 1 mm crimp contacts separately

Product properties

Product type	Circular connectors (device side)

Connector

Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	16
Direction of rotation	Standard
Connection profile	16
Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.08 mm²
Litz wire cross-section Signal contacts max.	1 mm²
Nominal current per signal contact	8 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

Ambient conditions

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619783

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	3 A	20 - 20	-

UL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	5 A	20 - 20	-

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

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	d7641d41-d1bd-4d94-b7cd-5e6d1fd4de50

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

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

CA-Z0111 - Color coding

1620701

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

Color coding, color: orange

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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

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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

RC-11P2000 - Crimp contact

1596770

https://www.phoenixcontact.com/us/products/1596770

Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm^2 ... 0.22 mm^2, Contact release tool not necessary for the 12- and 17- pos. crimp versions of the M23-PRO series, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240882

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RC-12P2000 - Crimp contact

1597862

https://www.phoenixcontact.com/us/products/1597862

Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm^2 ... 0.56 mm^2, Contact release tool not necessary for the 12- and 17-pos. crimp versions of the M23-PRO series, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240882

RC-1KP2000 - Crimp contact

1602996

https://www.phoenixcontact.com/us/products/1602996

Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm^2 ... 1 mm^2, Contact release tool not necessary for the 12- and 17-pos. crimp versions of the M23-PRO series, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241571

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RC-22P2000 - Crimp contact

1603321

https://www.phoenixcontact.com/us/products/1603321

Crimp contact, Pin, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm^2 ... 0.56 mm^2, Single contact, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

RC-22P2300 - Crimp contact

1603324

https://www.phoenixcontact.com/us/products/1603324

Crimp contact, Pin, rolled, Taped product, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm^2 ... 0.56 mm^2, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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RC-22P2400 - Crimp contact

1603325

https://www.phoenixcontact.com/us/products/1603325

Crimp contact, Pin, rolled, Taped product, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm^2 ... 0.56 mm^2, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

RC-21P2000 - Crimp contact

1603310

https://www.phoenixcontact.com/us/products/1603310

Crimp contact, Pin, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm^2 ... 0.22 mm^2, Single contact

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RC-21P2300 - Crimp contact

Crimp contact, Pin, rolled, Taped product, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.08 mm^2 ... 0.22 mm^2

RC-21P2400 - Crimp contact

Crimp contact, Pin, rolled, Taped product, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.08 mm^2 ... 0.22 mm^2