

CA-06P1N128008 - Cable connector



1619658

<https://www.phoenixcontact.com/us/products/1619658>

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M23, Cable connector, application: Signal, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Pin, Solder connection, cable diameter range: 10 mm ... 14.5 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

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	1619658
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEA
GTIN	4046356822206
Weight per piece (including packing)	97.1 g
Weight per piece (excluding packing)	89.962 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Circular connector (cable-side)
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Connector

Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Pin
Application	Signal
Number of positions	6
Direction of rotation	Standard
Connection profile	6
Number (Contact group 1)	0
Rated voltage Contact (Contact group 1)	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Number (Contact group 2)	6
Contact diameter (Contact group 2)	2 mm
Litz wires Max. cross section (Contact group 2)	2.5 mm ²
Rated current Contact (Contact group 2)	20 A (for max. connection cross section)

Housing

Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Material for screw connection	CuZn
Degree of protection (plugged in)	IP67

Seal

External cable diameter	10 mm ... 14.5 mm
Seal material	NBR

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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)

-40 °C ... 125 °C

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Drawings

Schematic diagram



Connector pin assignment

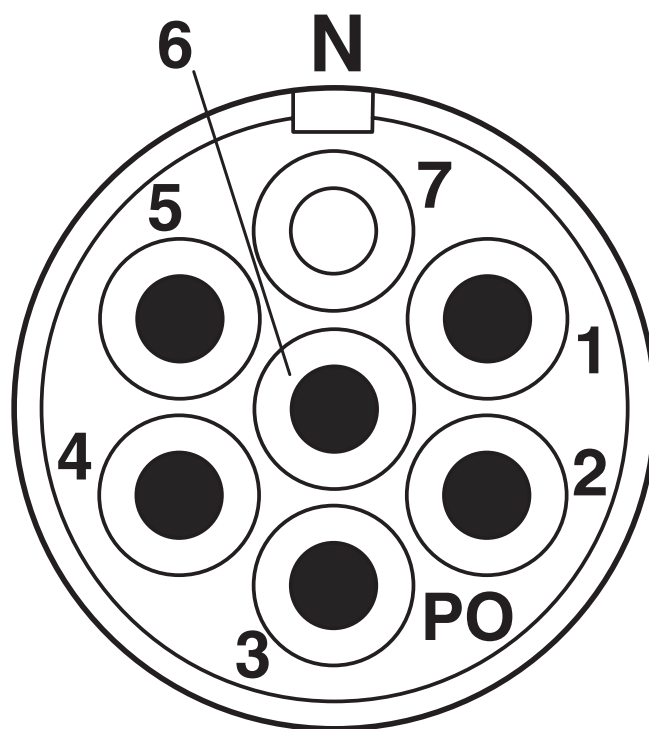
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Schematic diagram



Connector pin assignment

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619658>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	48 V	10 A	14	-

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

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Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	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
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	b1644889-2a89-457a-9a8f-212ecda2b0d9

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