

# CA-12S1N128007S - Cable connector



1619522

<https://www.phoenixcontact.com/us/products/1619522>

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M23, Cable connector, application: Signal, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Solder connection, cable diameter range: 6 mm ... 10 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. Alternative products: 1340696

## 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
- Reduced connection time with SPEEDCON fast locking system
- Solder connection: proven connection technology for various litz wires

## Commercial data

Item number	1619522
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEB
GTIN	4046356823333
Weight per piece (including packing)	93.9 g
Weight per piece (excluding packing)	89.853 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

#### Connection 1

Head design	Socket
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#### 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	Socket
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
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)	12
Contact diameter (Contact group 2)	1 mm
Litz wires Max. cross section (Contact group 2)	1 mm <sup>2</sup>
Rated current Contact (Contact group 2)	8 A

#### Housing

Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	SPEEDCON
Pg screw connection	none
Housing material	CuZn, GD-Zn
Degree of protection (plugged in)	IP67

#### Seal

External cable diameter	6 mm ... 10 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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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619522>

 <b>cUL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	48 V	6 A	18	-

 <b>UL Recognized</b> Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
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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	d9904adc-ac7f-4c28-ad65-7ede47f28632

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