

# CA-16S1N1280DNS - Cable connector



1619589

<https://www.phoenixcontact.com/us/products/1619589>

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M23, Cable connector, application: Signal, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Socket, Solder connection, cable diameter range: 3 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.

The figure shows the 12-pos. product version

## 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	1619589
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEB
GTIN	4046356822855
Weight per piece (including packing)	98.5 g
Weight per piece (excluding packing)	91.353 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

Order information:	When using a specific cable with $\varnothing$ 3 mm ... 4 mm, it may be necessary to use the special cable seal (1786601)
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### 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	16
Direction of rotation	Standard
Connection profile	16
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)	16
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

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## Seal

External cable diameter	3 mm ... 14.5 mm
Seal material	NBR

## 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/1619589>

 <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	5 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	5961ba3b-3b08-49a8-9726-bd2ce1af1296

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