

# CA-16P1N8A80DNS - Cable connector



1619586

<https://www.phoenixcontact.com/gb/products/1619586>

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M23, Cable connector, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243677

## 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
- Crimping connection: vibration- and temperature-resistant assembly

## Commercial data

Item number	1619586
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABRAEB
Product key	ABRAEB
GTIN	4046356822886
Weight per piece (including packing)	91.2 g
Weight per piece (excluding packing)	85 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
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### Product properties

Product type	Circular connector (cable-side)
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### Data management status

Article revision	07
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### 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 mm <sup>2</sup>
Litz wire cross-section	Signal contacts max. 1 mm <sup>2</sup>
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	CuZn, GD-Zn
Type of locking	SPEEDCON
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

#### Seal

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

## Environmental and real-life conditions

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## Ambient conditions

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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1619586>

cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	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 $\text{mm}^2$
	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
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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	55b03b1d-9c26-4d3f-a890-a261ec84eb84

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