

# CA-12S2N8A80DNS - Cable connector



1621728

<https://www.phoenixcontact.com/us/products/1621728>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



M23, Cable connector, application: Signal, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Socket, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding: N

The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

## Commercial data

Item number	1621728
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAEB
GTIN	4046356963077
Weight per piece (including packing)	92 g
Weight per piece (excluding packing)	88.173 g
Country of origin	DE

# CA-12S2N8A80DNS - Cable connector



1621728

<https://www.phoenixcontact.com/us/products/1621728>

## Technical data

### Notes

Order information:	Order crimp contacts separately
Order information:	When using a specific cable with $\varnothing$ 3 mm ... 4 mm, it may be necessary to use the special cable seal (1786601)

### Product properties

Product type	Circular connector (cable-side)
--------------	---------------------------------

### Connector

Direction of rotation	Counter direction
-----------------------	-------------------

#### Insulating body

Note	Order information: Order crimp contacts $\varnothing$ 1 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	12
Direction of rotation	Counter direction
Connection profile	12
Number (Contact group 1)	12
Contact diameter (Contact group 1)	1 mm
Rated current Contact (Contact group 1)	8 A (for max. connection cross section)
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

#### 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	3 mm ... 14.5 mm
Seal material	NBR

# CA-12S2N8A80DNS - Cable connector



1621728

<https://www.phoenixcontact.com/us/products/1621728>

## Environmental and real-life conditions

### Ambient conditions

Permissible humidity (storage/transport)
--

50 % ... 65 %
---------------

# CA-12S2N8A80DNS - Cable connector



1621728

<https://www.phoenixcontact.com/us/products/1621728>

## Drawings

Schematic diagram



Contact chamber numbering (view of plug-in side), socket counter direction

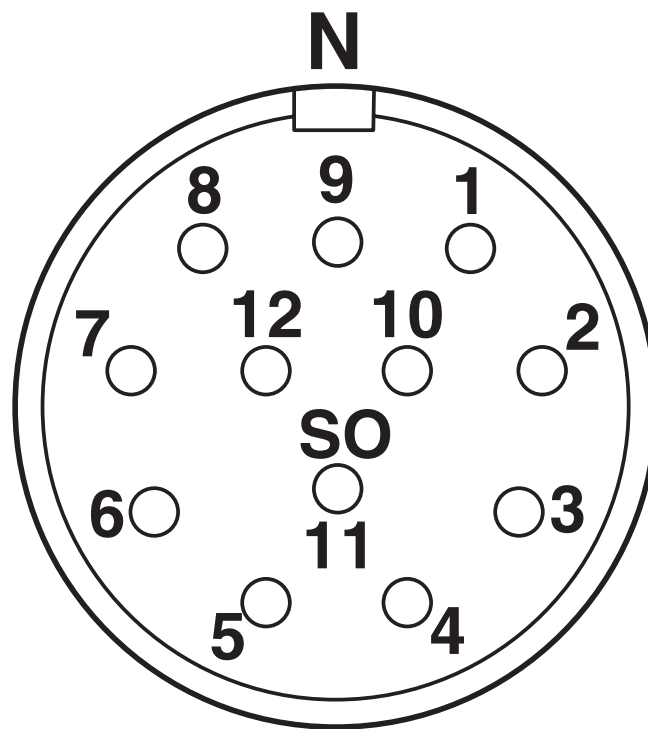
# CA-12S2N8A80DNS - Cable connector



1621728

<https://www.phoenixcontact.com/us/products/1621728>

Schematic diagram



Contact chamber numbering (view of plug-in side), socket counter direction

# CA-12S2N8A80DNS - Cable connector



1621728

<https://www.phoenixcontact.com/us/products/1621728>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1621728>

 <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	4 A	20	-

 <b>UL 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	20	-

# CA-12S2N8A80DNS - Cable connector



1621728

<https://www.phoenixcontact.com/us/products/1621728>

## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

ETIM 10.0	EC002635
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# CA-12S2N8A80DNS - Cable connector



1621728

<https://www.phoenixcontact.com/us/products/1621728>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

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