

CA-06S1N8A80DN - Cable connector



1619774

<https://www.phoenixcontact.com/us/products/1619774>

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, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos. : 6, Direction of rotation: Standard, contact connection type: Socket, 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.: 1243826

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
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1619774
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEA
Catalog page	Page 86 (C-2-2019)
GTIN	4046356821438
Weight per piece (including packing)	93 g
Weight per piece (excluding packing)	93 g
Customs tariff number	85366990
Country of origin	DE

CA-06S1N8A80DN - Cable connector



1619774

<https://www.phoenixcontact.com/us/products/1619774>

Technical data

Notes

General	Order crimp contacts 6 x Ø 2 mm separately
---------	--

Product properties

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

Connector

Connection 1

Head design	Socket
-------------	--------

Insulating body

Note	Order information: Order crimp contacts Ø 2 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	6
Direction of rotation	Standard
Connection profile	6
Contact diameter	2 mm
Litz wire cross-section	1 mm ²
Litz wire cross-section	2.5 mm ²
Nominal current per signal contact	20 A
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking mechanism
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

CA-06S1N8A80DN - Cable connector



1619774

<https://www.phoenixcontact.com/us/products/1619774>

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

CA-06S1N8A80DN - Cable connector

1619774

<https://www.phoenixcontact.com/us/products/1619774>



Drawings

Schematic diagram



Connector pin assignment

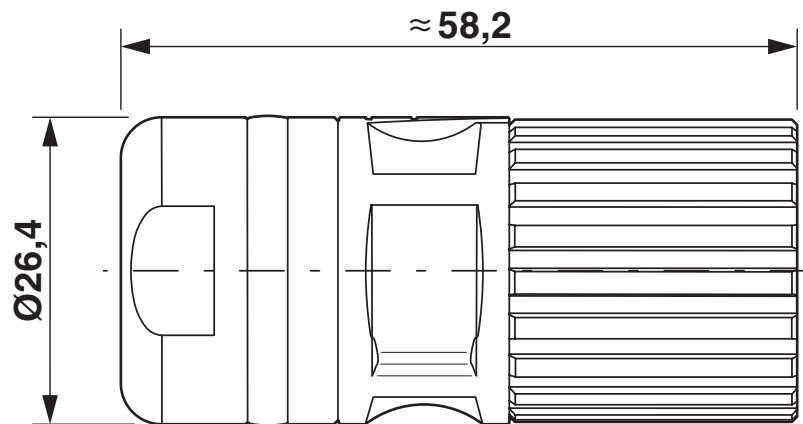
CA-06S1N8A80DN - Cable connector

1619774

<https://www.phoenixcontact.com/us/products/1619774>



Dimensional drawing



Technical drawings can be found under Downloads

CA-06S1N8A80DN - Cable connector



1619774

<https://www.phoenixcontact.com/us/products/1619774>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619774>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	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
	48 V	17 A	- 14	-

cULus Recognized				
-------------------------	--	--	--	--

CA-06S1N8A80DN - Cable connector



1619774

<https://www.phoenixcontact.com/us/products/1619774>

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

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

CA-06S1N8A80DN - Cable connector



1619774

<https://www.phoenixcontact.com/us/products/1619774>

Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - 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