

CA-12S1N8A8007 - Cable connector



1619708

<https://www.phoenixcontact.com/pc/products/1619708>

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. : 12, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 6 mm ... 10 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243760

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	1619708
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABRAEA
Catalog page	Page 86 (C-2-2019)
GTIN	4046356822077
Weight per piece (including packing)	92.233 g
Weight per piece (excluding packing)	88.6 g
Customs tariff number	85366990
Country of origin	DE

CA-12S1N8A8007 - Cable connector



1619708

<https://www.phoenixcontact.com/pc/products/1619708>

Technical data

Notes

Order information:	Order 12 x 1 mm crimp contacts separately
--------------------	---

Product properties

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

Connector

Connection 1

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

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	Socket
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Contact diameter	1 mm
Litz wire cross-section	0.08 mm ²
Litz wire cross-section	1 mm ²
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	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	6 mm ... 10 mm
Seal material	NBR

Environmental and real-life conditions

CA-12S1N8A8007 - Cable connector



1619708

<https://www.phoenixcontact.com/pc/products/1619708>

Ambient conditions

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

CA-12S1N8A8007 - Cable connector

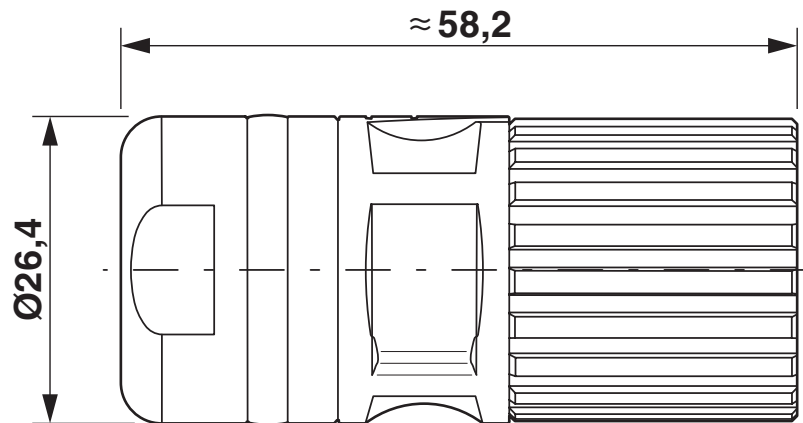
1619708

<https://www.phoenixcontact.com/pc/products/1619708>



Drawings

Dimensional drawing



Technical drawings can be found under Downloads

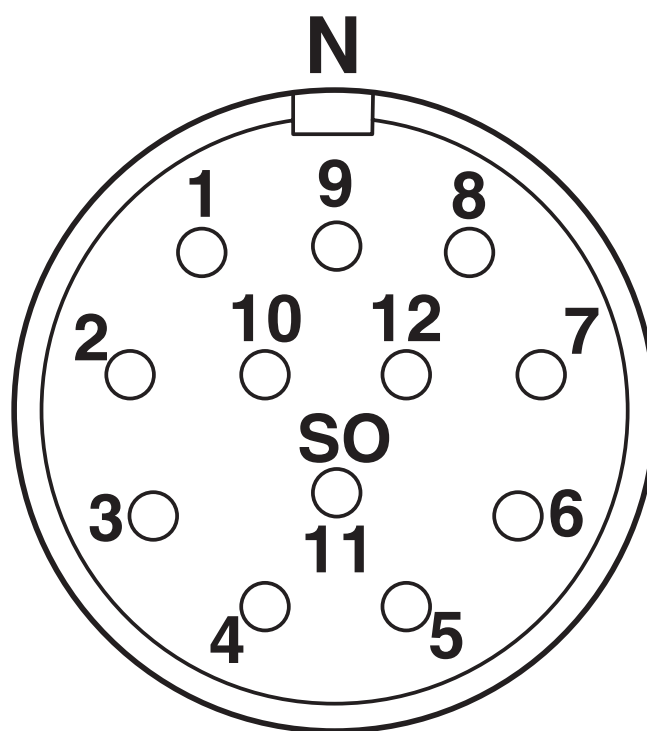
CA-12S1N8A8007 - Cable connector

1619708

<https://www.phoenixcontact.com/pc/products/1619708>



Schematic diagram



Connector pin assignment

CA-12S1N8A8007 - Cable connector



1619708

<https://www.phoenixcontact.com/pc/products/1619708>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1619708>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	4 A	- 20	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	6 A	- 20	-

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

CA-12S1N8A8007 - Cable connector



1619708

<https://www.phoenixcontact.com/pc/products/1619708>

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-12S1N8A8007 - Cable connector



1619708

<https://www.phoenixcontact.com/pc/products/1619708>

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	edad35eb-d8d4-4151-b71f-c326f797c0c4

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com