

CA-12F1N8A85DUS - Cable connector



1619472

<https://www.phoenixcontact.com/us/products/1619472>

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, SPEEDCON, No. of pos.: 12, 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.: 1243590

Your advantages

- Safe use in the field, thanks to high degree of protection
- Connector for flexible on-site assembly
- Consistent EMC protection for reliable connection solutions in the industrial environment
- Reduced connection time with SPEEDCON fast locking system
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1619472
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEB
Catalog page	Page 110 (C-2-2019)
GTIN	4046356823753
Weight per piece (including packing)	96.5 g
Weight per piece (excluding packing)	92.8 g
Customs tariff number	85366990
Country of origin	DE

CA-12F1N8A85DUS - Cable connector



1619472

<https://www.phoenixcontact.com/us/products/1619472>

Technical data

Notes

Order information:	Order crimp contacts Ø 1 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 1 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Feedback, signal
	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Contact diameter	1 mm
Litz wire cross-section	Signal contacts min. 0.06 mm²
Litz wire cross-section	Signal contacts max. 1 mm²
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	Metal
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	FPM

CA-12F1N8A85DUS - Cable connector



1619472

<https://www.phoenixcontact.com/us/products/1619472>

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
---------------------------------	-------------------

CA-12F1N8A85DUS - Cable connector

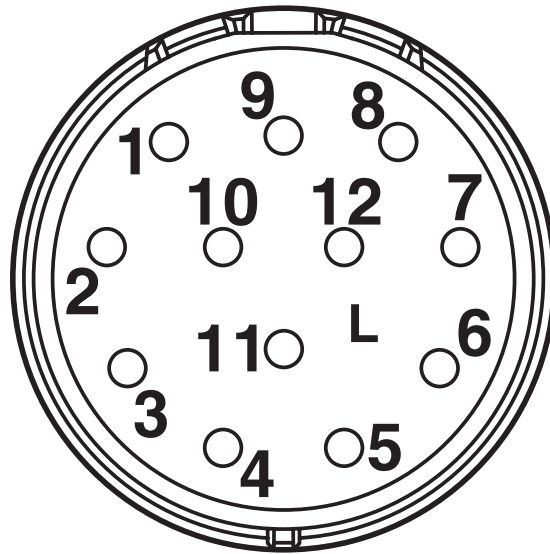


1619472

<https://www.phoenixcontact.com/us/products/1619472>

Drawings

Schematic diagram



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

CA-12F1N8A85DUS - Cable connector



1619472

<https://www.phoenixcontact.com/us/products/1619472>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619472>

cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	6 A	18 - 18	-

UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	8 A	18 - 18	-

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

CA-12F1N8A85DUS - Cable connector



1619472

<https://www.phoenixcontact.com/us/products/1619472>

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-12F1N8A85DUS - Cable connector



1619472

<https://www.phoenixcontact.com/us/products/1619472>

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	1c9953cf-e7ee-498a-878a-944010cb2afc

Phoenix Contact 2025 © - 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