

CA-12F2N8A8502 - Cable connector



1619627

<https://www.phoenixcontact.com/be/products/1619627>

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: Counter direction, contact connection type: Socket, Crimp connection, cable diameter range: 4 mm ... 6 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1243716

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
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1619627
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABRAEA
Product key	ABRAEA
Catalog page	Page 110 (C-2-2019)
GTIN	4046356822510
Weight per piece (including packing)	91 g
Weight per piece (excluding packing)	91 g
Customs tariff number	85366990
Country of origin	DE

CA-12F2N8A8502 - Cable connector



1619627
<https://www.phoenixcontact.com/be/products/1619627>

Technical data

Notes

Order information:	Order crimp contacts Ø 1 mm separately
--------------------	--

Product properties

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

Data management status

Article revision	05
------------------	----

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	Counter direction
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	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

CA-12F2N8A8502 - Cable connector



1619627

<https://www.phoenixcontact.com/be/products/1619627>

External cable diameter	4 mm ... 6 mm
Seal material	FPM

Environmental and real-life conditions

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

CA-12F2N8A8502 - Cable connector

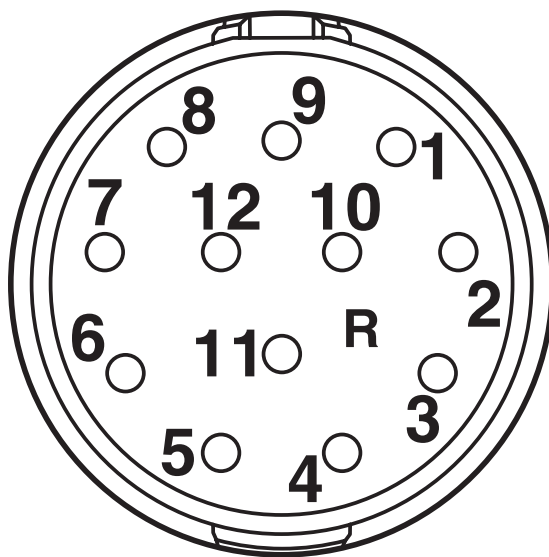


1619627

<https://www.phoenixcontact.com/be/products/1619627>

Drawings

Schematic diagram



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

CA-12F2N8A8502 - Cable connector



1619627

<https://www.phoenixcontact.com/be/products/1619627>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/be/products/1619627>

 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-12F2N8A8502 - Cable connector



1619627

<https://www.phoenixcontact.com/be/products/1619627>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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	bc2215e3-42dd-432c-8b00-c96fcc7126e7

CA-12F2N8A8502 - Cable connector



1619627

<https://www.phoenixcontact.com/be/products/1619627>

Accessories

SF-6CS2000 - Crimp contact

1605562

<https://www.phoenixcontact.com/be/products/1605562>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm² ... 0.25 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241922

SF-10KS004 - Crimp contact

1607356

<https://www.phoenixcontact.com/be/products/1607356>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.5 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241922

CA-12F2N8A8502 - Cable connector

1619627

<https://www.phoenixcontact.com/be/products/1619627>



SF-6AS2000 - Crimp contact

1605557

<https://www.phoenixcontact.com/be/products/1605557>



Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.25 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241922

CA-Z0077 - Metal protective cap

1627224

<https://www.phoenixcontact.com/be/products/1627224>



Metal protective cap, degree of protection: IP67, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1245447

CA-12F2N8A8502 - Cable connector



1619627

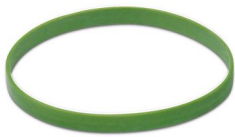
<https://www.phoenixcontact.com/be/products/1619627>

RF-Z0014 - Color coding

1620588

<https://www.phoenixcontact.com/be/products/1620588>

Color coding, color: green



RF-Z0015 - Color coding

1620592

<https://www.phoenixcontact.com/be/products/1620592>

Color coding, color: orange



CA-12F2N8A8502 - Cable connector

1619627

<https://www.phoenixcontact.com/be/products/1619627>



RF-Z0016 - Color coding

1620593

<https://www.phoenixcontact.com/be/products/1620593>

Color coding, color: black



SF-Z0028 - Torque screwdriver

1607456

<https://www.phoenixcontact.com/be/products/1607456>

Torque screwdriver, series: RC, UC, SH, SF



CA-12F2N8A8502 - Cable connector

1619627

<https://www.phoenixcontact.com/be/products/1619627>



SF-Z0027 - Hook wrench

1607455

<https://www.phoenixcontact.com/be/products/1607455>



Hook wrench, series: RC, UC, RF, SF

RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/be/products/1607905>



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242369

CA-12F2N8A8502 - Cable connector

1619627

<https://www.phoenixcontact.com/be/products/1619627>



PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

<https://www.phoenixcontact.com/be/products/1577206>



Plastic protective cap, M23, degree of protection: IP20, series: CA, RC, RF, UC, RM

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT nv/sa

Minervastraat 10-12

1930 Zaventem-Keiberg II

+32 (0)2/723 98 11

info@phoenixcontact.be