

CA-12P1N8AT006S - Cable connector



1619409
<https://www.phoenixcontact.com/be/products/1619409>

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, angled, shielded: yes, SPEEDCON, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, 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.: 1243527



Your advantages

- Angled cable outlet for confined spaces
- Can be adapted to various applications, thanks to adjustable cable outlet direction
- 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
- Reduced connection time with SPEEDCON fast locking system
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1619409
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	ABRAED
Product key	ABRAED
Catalog page	Page 90 (C-2-2019)
GTIN	4046356824385
Weight per piece (including packing)	188 g
Weight per piece (excluding packing)	188 g
Customs tariff number	85366990
Country of origin	DE

CA-12P1N8AT006S - Cable connector



1619409

<https://www.phoenixcontact.com/be/products/1619409>

Technical data

Notes

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

Product properties

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

Data management status

Article revision	06
------------------	----

Connector

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	Pin
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Contact diameter	1 mm
Signal contacts	
Litz wire cross-section Signal contacts min.	0.08 mm ²
Litz wire cross-section Signal contacts max.	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	Metal
Type of locking	SPEEDCON
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

Seal

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

Environmental and real-life conditions

CA-12P1N8AT006S - Cable connector



1619409

<https://www.phoenixcontact.com/be/products/1619409>

Ambient conditions

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

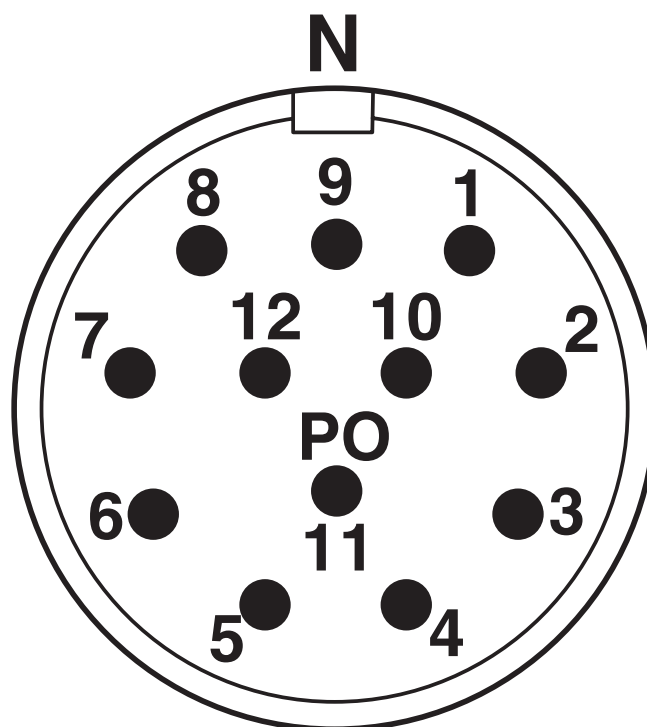
CA-12P1N8AT006S - Cable connector

1619409

<https://www.phoenixcontact.com/be/products/1619409>

Drawings

Schematic diagram



Connector pin assignment

CA-12P1N8AT006S - Cable connector



1619409

<https://www.phoenixcontact.com/be/products/1619409>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/be/products/1619409>

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

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

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

CA-12P1N8AT006S - Cable connector



1619409

<https://www.phoenixcontact.com/be/products/1619409>

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-12P1N8AT006S - Cable connector



1619409

<https://www.phoenixcontact.com/be/products/1619409>

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	5e991581-2b02-47cc-ab0d-19e06ec39d0a

CA-12P1N8AT006S - Cable connector

1619409

<https://www.phoenixcontact.com/be/products/1619409>



Accessories

SF-Z0028 - Torque screwdriver

1607456

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

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



SF-Z0027 - Hook wrench

1607455

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

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



CA-12P1N8AT006S - Cable connector

1619409

<https://www.phoenixcontact.com/be/products/1619409>

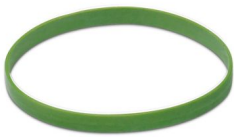


RF-Z0014 - Color coding

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-12P1N8AT006S - Cable connector

1619409

<https://www.phoenixcontact.com/be/products/1619409>



RF-Z0016 - Color coding

1620593

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

Color coding, color: black



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



CA-12P1N8AT006S - Cable connector



1619409

<https://www.phoenixcontact.com/be/products/1619409>

RC-11P2000 - Crimp contact

1596770

<https://www.phoenixcontact.com/be/products/1596770>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm², Contact release tool not necessary for the 12- and 17-pos. crimp versions of the M23-PRO series, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240882

RC-12P2000 - Crimp contact

1597862

<https://www.phoenixcontact.com/be/products/1597862>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.56 mm², Contact release tool not necessary for the 12- and 17-pos. crimp versions of the M23-PRO series, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240882

CA-12P1N8AT006S - Cable connector



1619409

<https://www.phoenixcontact.com/be/products/1619409>

RC-1KP2000 - Crimp contact

1602996

<https://www.phoenixcontact.com/be/products/1602996>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.5 mm² ... 1 mm², Contact release tool not necessary for the 12- and 17-pos. crimp versions of the M23-PRO series, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241571

RC-22P2000 - Crimp contact

1603321

<https://www.phoenixcontact.com/be/products/1603321>



Crimp contact, Pin, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm², Single contact, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

CA-12P1N8AT006S - Cable connector



1619409

<https://www.phoenixcontact.com/be/products/1619409>

RC-22P2300 - Crimp contact

1603324

<https://www.phoenixcontact.com/be/products/1603324>



Crimp contact, Pin, rolled, Taped product, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm², Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

RC-22P2400 - Crimp contact

1603325

<https://www.phoenixcontact.com/be/products/1603325>



Crimp contact, Pin, rolled, Taped product, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm² ... 0.56 mm², Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

CA-12P1N8AT006S - Cable connector

1619409

<https://www.phoenixcontact.com/be/products/1619409>



RC-21P2000 - Crimp contact

1603310

<https://www.phoenixcontact.com/be/products/1603310>



Crimp contact, Pin, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm², Single contact

RC-21P2300 - Crimp contact

1603313

<https://www.phoenixcontact.com/be/products/1603313>



Crimp contact, Pin, rolled, Taped product, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm²

CA-12P1N8AT006S - Cable connector

1619409

<https://www.phoenixcontact.com/be/products/1619409>



RC-21P2400 - Crimp contact

1611637

<https://www.phoenixcontact.com/be/products/1611637>



Crimp contact, Pin, rolled, Taped product, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.08 mm² ... 0.22 mm²

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