

CA-12P1N129008 - Coupler connector



1620031

<https://www.phoenixcontact.com/us/products/1620031>

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, Coupler connector, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Solder cup, cable diameter range: 10 mm ... 14.5 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

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
- Solder connection: proven connection technology for various litz wires

Commercial data

Item number	1620031
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEG
GTIN	4046356819640
Weight per piece (including packing)	97.2 g
Weight per piece (excluding packing)	90.993 g
Customs tariff number	85366990
Country of origin	DE

CA-12P1N129008 - Coupler connector



1620031

<https://www.phoenixcontact.com/us/products/1620031>

Technical data

Product properties

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

Connector

Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder cup
Contact switching type	Pin
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Number Contact (Contact group 1)	0
Rated voltage Contact (Contact group 1)	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Number Contact (Contact group 2)	12
Diameter Contact (Contact group 2)	1 mm
Litz wire cross-section max. Contact (Contact group 2)	1 mm ²
Rated current Contact (Contact group 2)	8 A

Housing

Type	Coupling housing
Thread type	M23
Design	straight
Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Material for screw connection	CuZn
Degree of protection (plugged in)	IP67

Seal

External cable diameter	10 mm ... 14.5 mm
Seal material	NBR

CA-12P1N129008 - Coupler connector



1620031

<https://www.phoenixcontact.com/us/products/1620031>

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)

-40 °C ... 125 °C

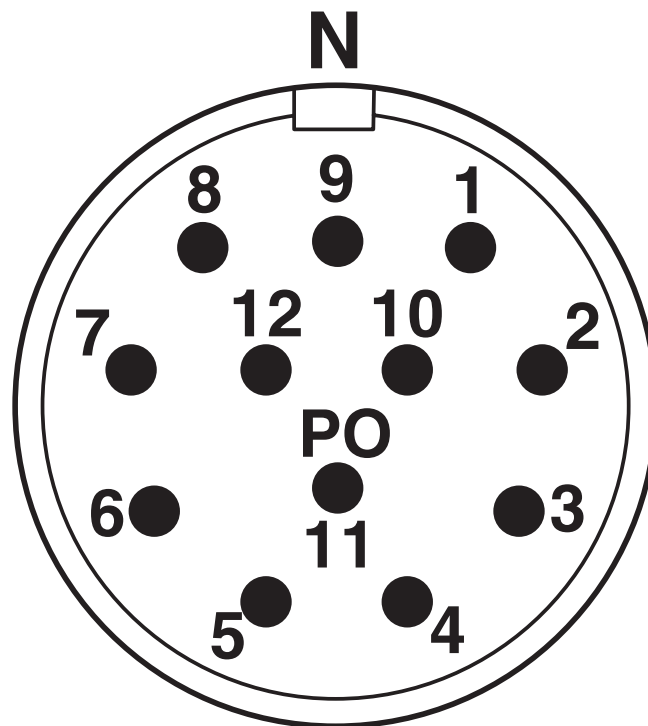
CA-12P1N129008 - Coupler connector

1620031

<https://www.phoenixcontact.com/us/products/1620031>

Drawings

Schematic diagram



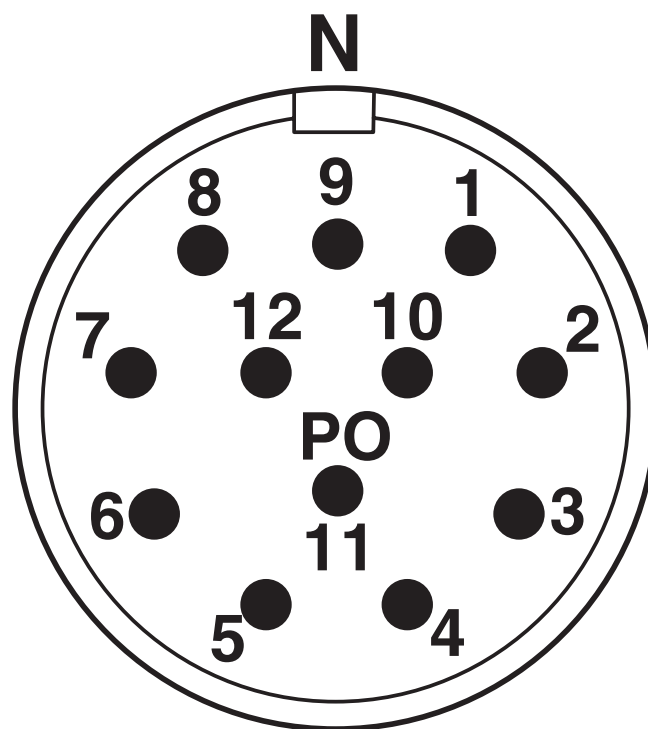
Connector pin assignment

CA-12P1N129008 - Coupler connector

1620031

<https://www.phoenixcontact.com/us/products/1620031>

Schematic diagram



Connector pin assignment

CA-12P1N129008 - Coupler connector





1620031

<https://www.phoenixcontact.com/us/products/1620031>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1620031>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	48 V	6 A	18	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	48 V	8 A	18	-

CA-12P1N129008 - Coupler connector



1620031

<https://www.phoenixcontact.com/us/products/1620031>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

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

UNSPSC

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

CA-12P1N129008 - Coupler connector



1620031

<https://www.phoenixcontact.com/us/products/1620031>

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	f03554c3-fdf8-4306-87d3-4bd15ab9d5f2

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