

CA-12F2N8A95DU - Coupler connector



1620018

<https://www.phoenixcontact.com/us/products/1620018>

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: Counter direction, contact connection type: Socket, Crimp connection, cable diameter range: 3 mm ... 14.5 mm, coding: N

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	1620018
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAEG
GTIN	4046356819770
Weight per piece (including packing)	93.6 g
Weight per piece (excluding packing)	90.75 g
Customs tariff number	85366990
Country of origin	DE

CA-12F2N8A95DU - Coupler connector



1620018

<https://www.phoenixcontact.com/us/products/1620018>

Technical data

Notes

Order information:	Order crimp contacts Ø 1 mm separately
Order information:	When using a specific cable with Ø 3 mm ... 4 mm, it may be necessary to use the special cable seal (1786600)

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
Material (Insulating body)	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
Number Contact (Signal contacts)	12
Diameter Contact (Signal contacts)	1 mm
Litz wire cross-section min. Contact (Signal contacts)	0.06 mm ²
Litz wire cross-section max. Contact (Signal contacts)	1 mm ²
Rated current Contact (Signal contacts)	8 A (for max. connection cross section)
Rated voltage Contact (Signal contacts)	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

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)

CA-12F2N8A95DU - Coupler connector



1620018

<https://www.phoenixcontact.com/us/products/1620018>

Material for screw connection	CuZn
Degree of protection (plugged in)	IP67

Seal

External cable diameter	3 mm ... 14.5 mm
Seal material	FPM

Environmental and real-life conditions

Ambient conditions

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

CA-12F2N8A95DU - Coupler connector

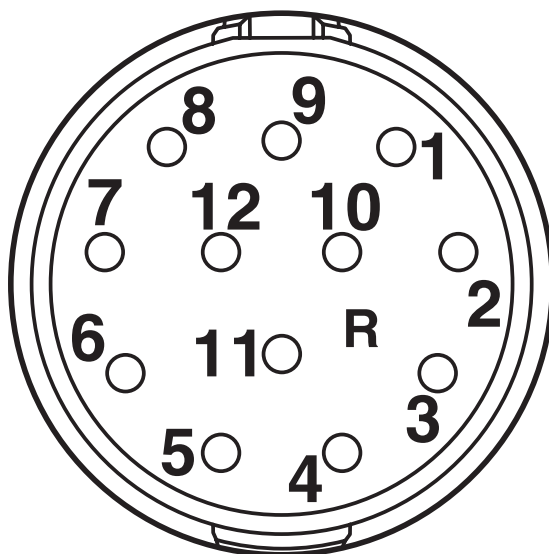


1620018

<https://www.phoenixcontact.com/us/products/1620018>

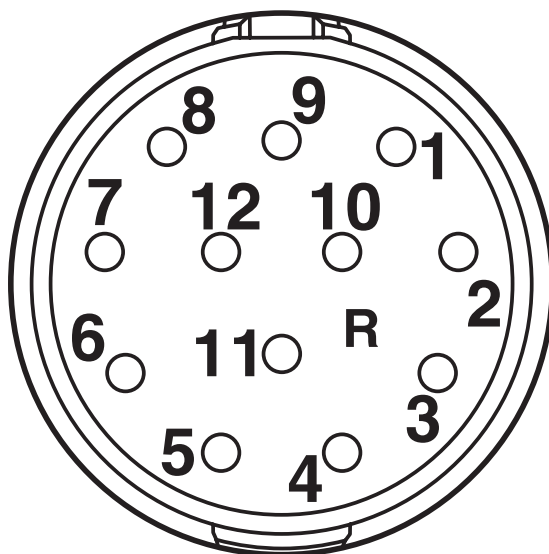
Drawings

Schematic diagram



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

Schematic diagram



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

CA-12F2N8A95DU - Coupler connector





1620018

<https://www.phoenixcontact.com/us/products/1620018>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1620018>

 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-12F2N8A95DU - Coupler connector



1620018

<https://www.phoenixcontact.com/us/products/1620018>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

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

UNSPSC

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

CA-12F2N8A95DU - Coupler connector



1620018

<https://www.phoenixcontact.com/us/products/1620018>

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	5ede558a-5e60-4e6e-bfae-86add970f6c9

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