

CA-19S1N1290DN - Coupler connector



1620147

<https://www.phoenixcontact.com/us/products/1620147>

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.



The figure shows the 12-pos.
product version

M23, Coupler connector, application: Signal, series: CA, straight, shielded: yes, for standard and SPEEDCON interlock, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder connection, cable diameter range: 3 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. Alternative products: 1467486

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	1620147
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEG
GTIN	4046356818971
Weight per piece (including packing)	98.8 g
Weight per piece (excluding packing)	91.608 g
Customs tariff number	85366990
Country of origin	DE

CA-19S1N1290DN - Coupler connector



1620147

<https://www.phoenixcontact.com/us/products/1620147>

Technical data

Notes

Order information:	When using a specific cable with Ø 3 mm ... 4 mm, it may be necessary to use the special cable seal (1786601)
--------------------	---

Product properties

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

Connector

Connection 1

Head design	Socket
-------------	--------

Insulating body

Coding	N
Material (Insulating body)	PA 6.6
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Number (Power contacts)	3
Contact diameter (Power contacts)	1.5 mm
Litz wires Min. cross section (Power contacts)	0.08 mm ²
Litz wires Max. cross section (Power contacts)	1 mm ²
Rated current Contact (Power contacts)	10 A
Rated voltage Contact (Power contacts)	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Number (Signal contacts)	16
Contact diameter (Signal contacts)	1 mm
Litz wires Max. cross section (Signal contacts)	1 mm ²
Rated current Contact (Signal contacts)	8 A

Housing

Type	Coupling housing
Thread type	M23
Design	straight

CA-19S1N1290DN - Coupler connector



1620147

<https://www.phoenixcontact.com/us/products/1620147>

Type of locking	for standard and SPEEDCON interlock
Pg screw connection	none
Material (Housing)	CuZn (Rotating parts)
	GD-Zn (Die-cast parts)
Material (Screw connection)	CuZn
Degree of protection (plugged in)	IP67

Seal

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

Environmental and real-life conditions

Ambient conditions

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

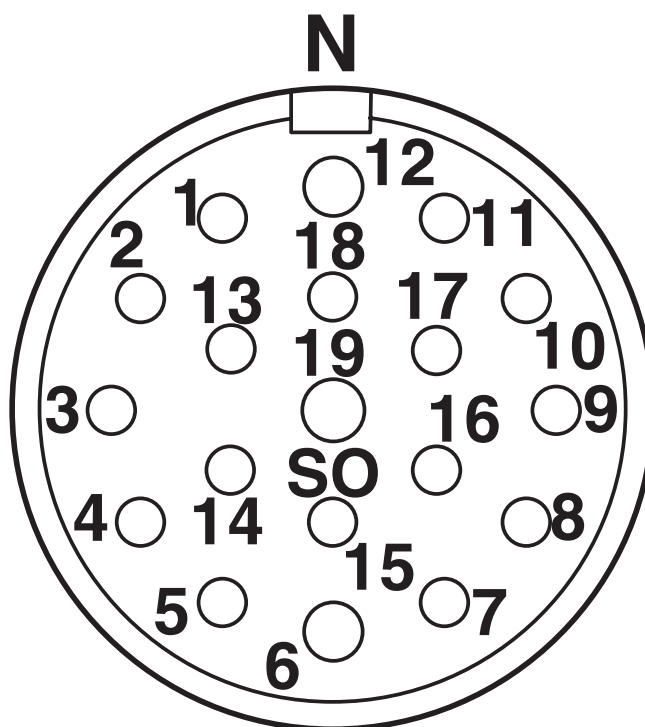
CA-19S1N1290DN - Coupler connector

1620147

<https://www.phoenixcontact.com/us/products/1620147>

Drawings

Schematic diagram



Connector pin assignment

CA-19S1N1290DN - Coupler connector



1620147

<https://www.phoenixcontact.com/us/products/1620147>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1620147>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	48 V	6 A	18	-
Signal	48 V	5 A	18	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	48 V	10 A	18	-
Signal	48 V	8 A	18	-

CA-19S1N1290DN - Coupler connector



1620147

<https://www.phoenixcontact.com/us/products/1620147>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635
-----------	----------

UNSPSC

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

CA-19S1N1290DN - Coupler connector



1620147

<https://www.phoenixcontact.com/us/products/1620147>

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	54cc1bf7-1adb-44e3-83c1-eb8818a858fb

EF3.1 Climate Change

CO2e kg	1.168 kg CO2e
---------	---------------

Phoenix Contact 2026 © - 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