

CA-07S1N1290DN - Coupler connector



1620168

<https://www.phoenixcontact.com/za/products/1620168>

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.: 7, Direction of rotation: Standard, contact connection type: Socket, Solder connection, cable diameter range: 3 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1244057

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	1620168
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABR
Product key	ABRAEG
Catalog page	Page 88 (C-2-2019)
GTIN	4046356818773
Weight per piece (including packing)	97,4 g
Weight per piece (excluding packing)	93,9 g
Customs tariff number	85366990
Country of origin	DE

CA-07S1N1290DN - Coupler connector



1620168

<https://www.phoenixcontact.com/za/products/1620168>

Technical data

Product properties

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

Data management status

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

Connector

Connection 1

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

Insulating body

Coding	N
Insulation body material	PBT
Contact material	CuZn
Contact surface material	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact switching type	Socket
Application	Signal
Number of positions	7
Direction of rotation	Standard
Connection profile	7
Rated voltage	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter	2 mm
Litz wire cross-section	Signal contacts max. 2.5 mm ²
Nominal current per signal contact	20 A

Housing

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

Seal

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

CA-07S1N1290DN - Coupler connector



1620168

<https://www.phoenixcontact.com/za/products/1620168>

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)

-40 °C ... 125 °C

CA-07S1N1290DN - Coupler connector

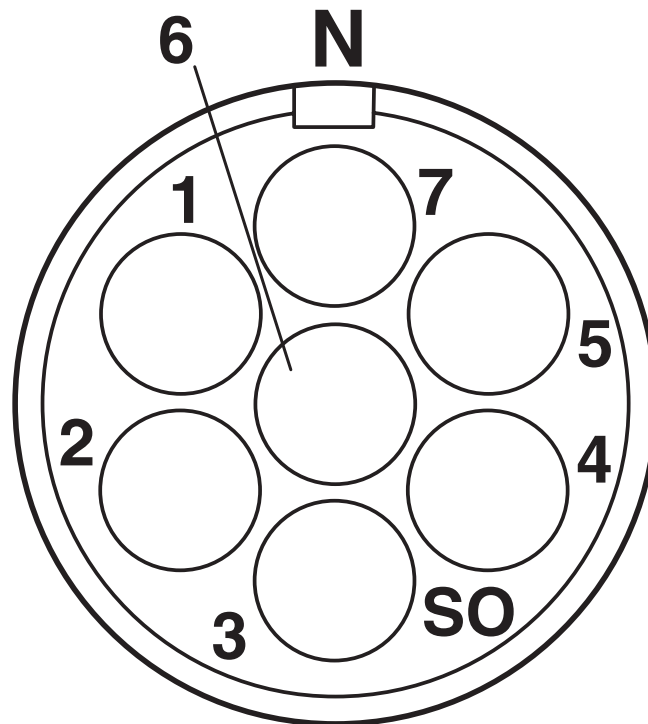


1620168

<https://www.phoenixcontact.com/za/products/1620168>

Drawings

Schematic diagram



Connector pin assignment

CA-07S1N1290DN - Coupler connector





1620168

<https://www.phoenixcontact.com/za/products/1620168>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/za/products/1620168>

 cUL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	10 A	14 - 14	-

 UL Recognized Approval ID: E335019-20141210				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	20 A	14 - 14	-

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

CA-07S1N1290DN - Coupler connector



1620168

<https://www.phoenixcontact.com/za/products/1620168>

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-07S1N1290DN - Coupler connector



1620168

<https://www.phoenixcontact.com/za/products/1620168>

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	3edf9225-4981-4eab-9015-937151ed1b9f

CA-07S1N1290DN - Coupler connector

1620168

<https://www.phoenixcontact.com/za/products/1620168>

Accessories

SF-Z0019 - Protective cap

1607449

<https://www.phoenixcontact.com/za/products/1607449>



Plastic protection cap, with eye, IP40 for connectors with M23 external thread, RF, SF series

RC-Z2469 - Protective cap

1611797

<https://www.phoenixcontact.com/za/products/1611797>



Plastic protection cap, antistatic, for RF, SF, CA, RC series connectors, with M23 external thread

CA-07S1N1290DN - Coupler connector

1620168

<https://www.phoenixcontact.com/za/products/1620168>

RF-Z0015 - Color coding

1620592

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

Color coding, color: orange



RF-Z0016 - Color coding

1620593

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

Color coding, color: black



CA-07S1N1290DN - Coupler connector

1620168

<https://www.phoenixcontact.com/za/products/1620168>



RF-Z0014 - Color coding

1620588

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

Color coding, color: green



PROT-M23PRO-OT-IP20 - Plastic protective cap

1055753

<https://www.phoenixcontact.com/za/products/1055753>

Plastic protective cap, M23, degree of protection: IP20, series: M23 PRO



Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (Pty) Ltd.
36 Lyn Road P.O. Box 916 ZA-Ferndale 2160

+27/11/801-8200
info@phoenixcontact.co.za