

# CA-06S1N1290DN - Coupler connector



1620172

<https://www.phoenixcontact.com/us/products/1620172>

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.: 6, 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.: 1244061

## 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	1620172
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAEG
Catalog page	Page 88 (C-2-2019)
GTIN	4046356818735
Weight per piece (including packing)	96.6 g
Weight per piece (excluding packing)	93.9 g
Customs tariff number	85366990
Country of origin	DE

# CA-06S1N1290DN - Coupler connector



1620172

<https://www.phoenixcontact.com/us/products/1620172>

## Technical data

### Product properties

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

### 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	6
Direction of rotation	Standard
Connection profile	6
Rated voltage	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter <b>Signal contacts</b>	2 mm
Litz wire cross-section <b>Signal contacts</b> max.	2.5 mm <sup>2</sup>
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

### Environmental and real-life conditions

# CA-06S1N1290DN - Coupler connector



1620172

<https://www.phoenixcontact.com/us/products/1620172>

## Ambient conditions

Ambient temperature (operation)

-40 °C ... 125 °C

# CA-06S1N1290DN - Coupler connector



1620172

<https://www.phoenixcontact.com/us/products/1620172>

## 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-06S1N1290DN - Coupler connector



1620172

<https://www.phoenixcontact.com/us/products/1620172>

## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - 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](mailto:info@phoenixcon.com)