

# Cable connector - CA-09S1N12T0DN



1619335

<https://www.phoenixcontact.com/us/products/1619335>

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M23, Cable connector, CA, angled, shielded: yes, Screw locking, No. of pos.: 8+1, Direction of rotation: Standard, type of contact: 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%) 1243456

## Your advantages

- Angled cable outlet for confined spaces
- Can be adapted to various applications, thanks to adjustable cable outlet direction
- 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	1619335
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	A12
Product Key	ABRBFB
Catalog Page	Page 92 (C-2-2019)
GTIN	4046356825092
Weight per Piece (including packing)	189.3 g
Weight per Piece (excluding packing)	189.3 g
Customs tariff number	85366990
Country of origin	DE

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## Technical Data

### Product properties

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

#### Connection 1

Head design	Socket
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#### 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 type	Socket
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Contact diameter <b>Power contacts</b>	2 mm
Litz wire cross-section <b>Power contacts max.</b>	2.5 mm <sup>2</sup>
Rated current <b>Power contacts</b>	20 A
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>	1 mm
Litz wire cross-section <b>Signal contacts max.</b>	1 mm <sup>2</sup>
Nominal current per signal contact	8 A

#### Housing

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

#### Seal

External cable diameter	3 mm ... 14.5 mm
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Seal material	NBR
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## Ambient conditions

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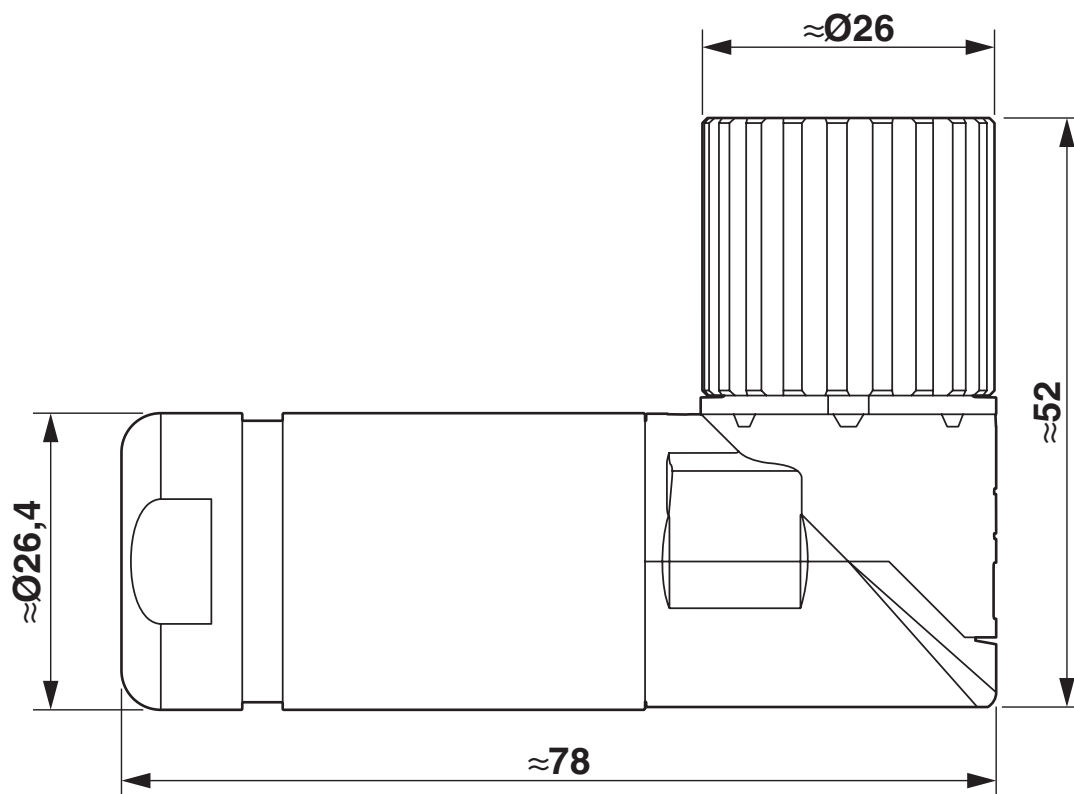
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## Drawings

Dimensional drawing



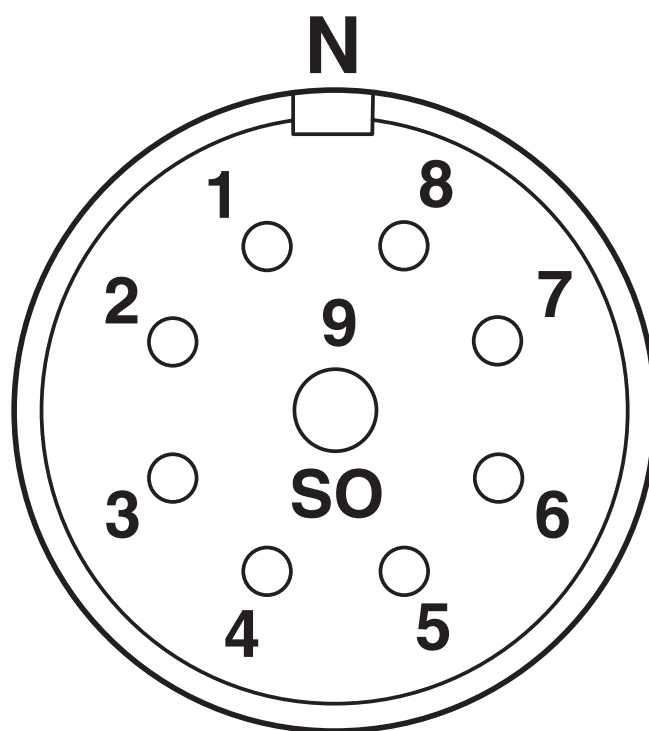
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Schematic diagram




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## Approvals

 <b>cUL Recognized</b> Approval ID: E335019-20141210				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
Power	48 V	12 A	- 14	-
Signal	48 V	6 A	- 18	-

 <b>UL Recognized</b> Approval ID: E335019-20141210				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
Power	48 V	20 A	- 14	-
Signal	48 V	8 A	- 18	-

<b>cULus Recognized</b>				
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## Classifications

### ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

### ETIM

ETIM 8.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## 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"



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## Accessories

### Torque screwdriver

Torque screwdriver - SF-Z0028 - 1607456

<https://www.phoenixcontact.com/us/products/1607456>

Torque screwdriver, series: RC



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### Hook wrench

Hook wrench - SF-Z0027 - 1607455

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Hook wrench, series: RC



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## Protective cap

Protective cap - RC-Z2058 - 1604223

<https://www.phoenixcontact.com/us/products/1604223>

Plastic protection cap for connectors with M23 knurled nut



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## Plastic anti-static dust protection cap

Plastic anti-static dust protection cap - RC-Z2468 - 1611796

<https://www.phoenixcontact.com/us/products/1611796>

Plastic protection cap, antistatic, for connectors with M23 knurled nut



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## Color-coding

Color-coding - RF-Z0014 - 1620588

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

Color-coding, color: green



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## Color-coding

Color-coding - RF-Z0015 - 1620592

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Color-coding, color: orange



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## Color-coding

Color-coding - RF-Z0016 - 1620593

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Color-coding, color: black



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