

# CA-19P1N1280DNS - Cable connector



1619580

<https://www.phoenixcontact.com/in/products/1619580>

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M23, Cable connector, CA, straight, shielded: yes, SPEEDCON, No. of pos.: 16+3, Direction of rotation: Standard, type of contact: Pin, 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.: 1243671

## 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
- Reduced connection time with SPEEDCON fast locking system
- Solder connection: proven connection technology for various litz wires

## Commercial Data

Item number	1619580
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	ABR
Product Key	ABRBFH
Catalog Page	Page 85 (C-2-2019)
GTIN	4046356822947
Weight per Piece (including packing)	99.9 g
Weight per Piece (excluding packing)	96.5 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

#### Insulating body

Coding	N
Insulation body material	PA 6.6
Contact material	CuZn
Contact surface material	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder connection
Contact type	Pin
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Contact diameter <b>Power contacts</b>	1.5 mm
Litz wire cross-section <b>Power contacts</b> max.	1 mm <sup>2</sup>
Rated current <b>Power contacts</b>	10 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</b> max.	1 mm <sup>2</sup>
Nominal current per signal contact	8 A
Installation height	2000 m

#### Housing

Housing material	CuZn, GD-Zn
Type of locking	SPEEDCON
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

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## Environmental and real-life conditions

### Ambient conditions

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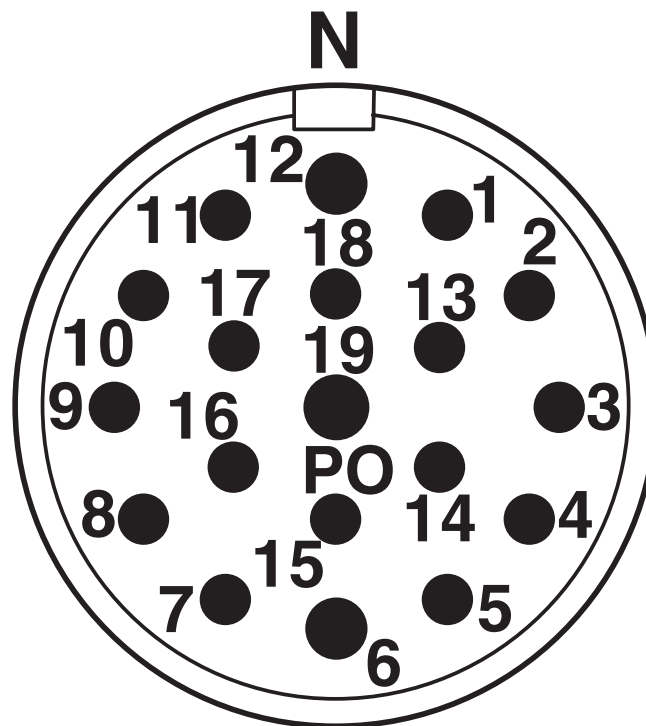


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## Drawings

Schematic diagram

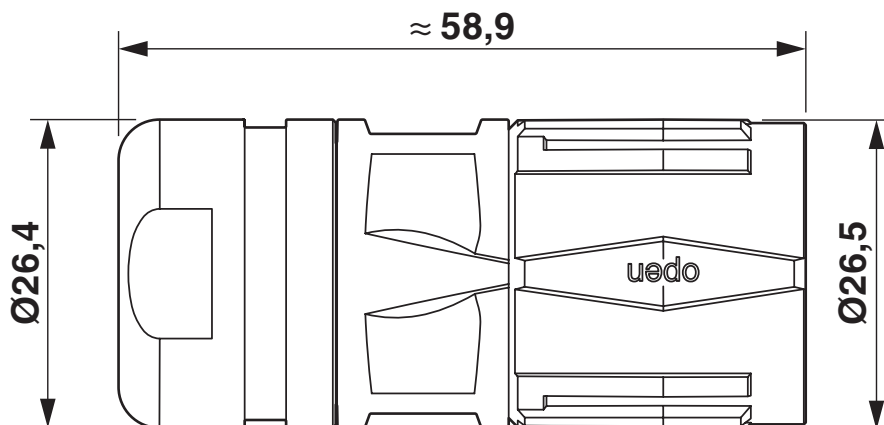


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Dimensional drawing




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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 $\text{mm}^2$
	48 V	6 A	- 18	-
	48 V	5 A	- 18	-

 <b>UL Recognized</b> Approval ID: E335019-20141210				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	48 V	10 A	- 18	-
	48 V	8 A	- 18	-

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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### 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

### SF-Z0028 - Torque screwdriver

1607456

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

Torque screwdriver, series: RC



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### SF-Z0027 - Hook wrench

1607455

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Hook wrench, series: RC



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## RC-Z2058 - Protective cap

1604223

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

Plastic protection cap for connectors with M23 knurled nut



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## RC-Z2468 - Protective cap

1611796

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

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



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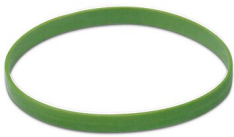
<https://www.phoenixcontact.com/in/products/1619580>

## RF-Z0014 - Color-coding

1620588

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

Color-coding, color: green



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## RF-Z0015 - Color-coding

1620592

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Color-coding, color: orange



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## RF-Z0016 - Color-coding

1620593

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Color-coding, color: black



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## RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/in/products/1607905>



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1242369

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## CA-Z0077 - Metal protective cap

1627224

<https://www.phoenixcontact.com/in/products/1627224>



Metal protective cap, degree of protection: IP67, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1245447

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