CA-19S1N1280DNS - Cable connector

1619581

https://www.phoenixcontact.com/in/products/1619581

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M23, Cable connector, CA, straight, shielded: yes, SPEEDCON, No. of pos.: 16+3, 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%) item no.: 1243672

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	1619581
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	ABR
Product Key	ABRBFH
Catalog Page	Page 85 (C-2-2019)
GTIN	4046356822930
Weight per Piece (including packing)	97.5 g
Weight per Piece (excluding packing)	93.9 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

Product properties

Product type	Circular connector (cable-side)

Connector

Connection 1

Head design	Socket

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	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Contact diameter Power contacts	1.5 mm
Litz wire cross-section Power contacts max.	1 mm²
Rated current Power contacts	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 Signal contacts	1 mm
Litz wire cross-section Signal contacts max.	1 mm²
Nominal current per signal contact	8 A

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

Environmental and real-life conditions

Ambient conditions

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

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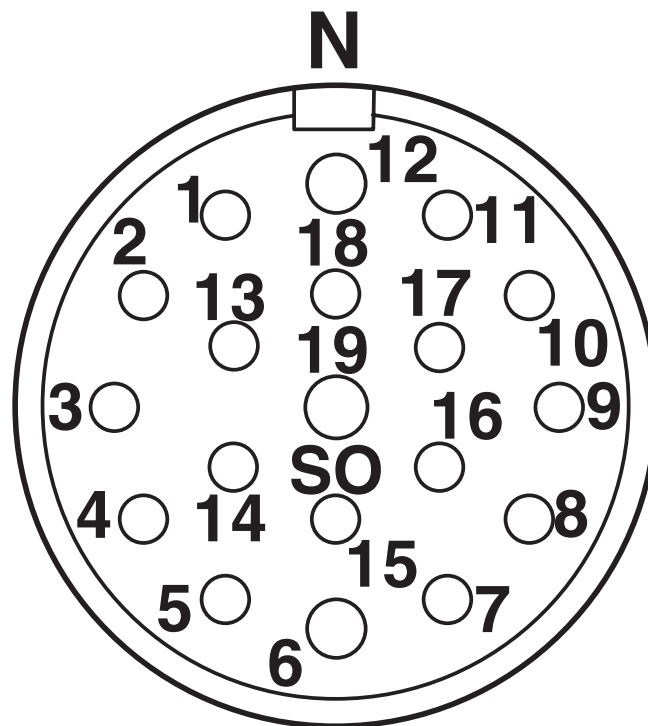
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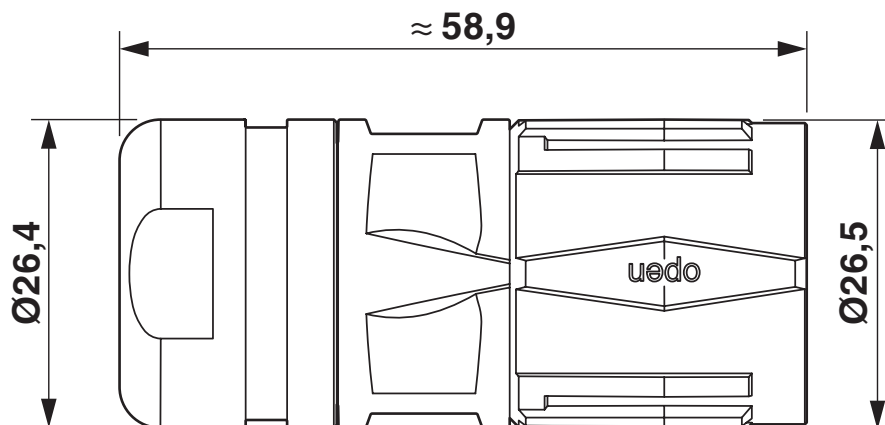https://www.phoenixcontact.com/in/products/1619581

Drawings

Schematic diagram

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Dimensional drawing

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Approvals

cUL Recognized
Approval ID: E335019-20141210

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	48 V	6 A	- 18	-
	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
	48 V	10 A	- 18	-
	48 V	8 A	- 18	-

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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

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Torque screwdriver, series: RC

SF-Z0027 - Hook wrench

1607455

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Hook wrench, series: RC

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RC-Z2058 - Protective cap

1604223

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Plastic protection cap for connectors with M23 knurled nut

RC-Z2468 - Protective cap

1611796

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

Plastic protection cap, antistatic, for connectors with M23 knurled nut
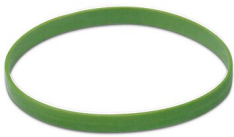
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RF-Z0014 - Color-coding

Color-coding, color: green

RF-Z0015 - Color-coding

Color-coding, color: orange

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RF-Z0016 - Color-coding

1620593

https://www.phoenixcontact.com/in/products/1620593

Color-coding, color: black

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

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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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