CA-16S1N1280DN - Cable connector

1619760

PHŒNIX CONTACT

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M23, Cable connector, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos. : 16, 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.: 1243812

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	1619760
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB33
Product key	ABRAEA
GTIN	4046356821575
Weight per piece (including packing)	95.8 g
Weight per piece (excluding packing)	93 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	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	16
Direction of rotation	Standard
Connection profile	16
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	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Type of locking	Screw locking mechanism
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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Drawings

Schematic diagram
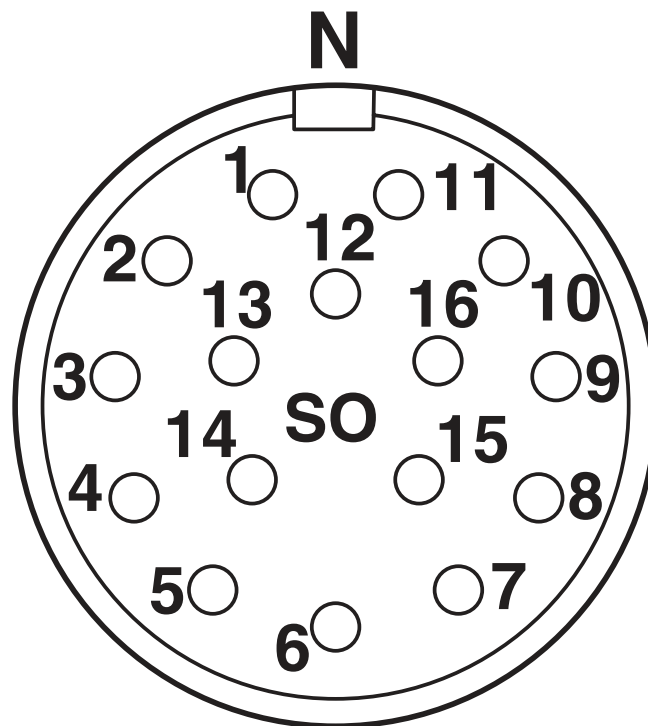
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Dimensional drawing

≈ **58,2**

Ø26,4

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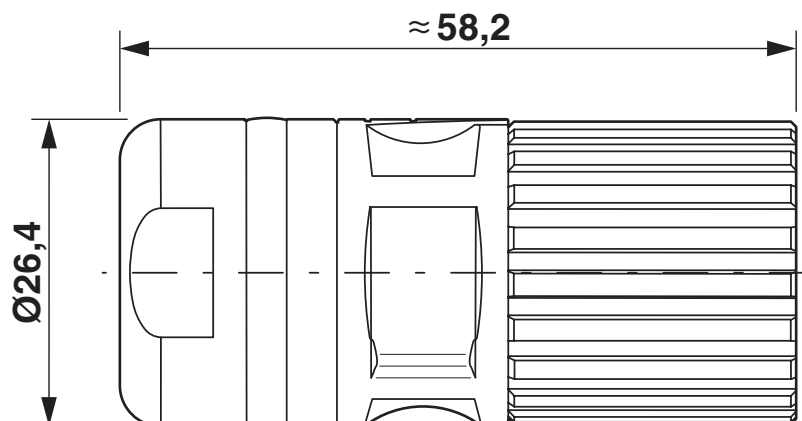
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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1619760

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	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	8 A	- 18	-

cULus Recognized

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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

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

Torque screwdriver, series: RC

SF-Z0027 - Hook wrench

1607455

https://www.phoenixcontact.com/us/products/1607455

Hook wrench, series: RC

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RC-Z2058 - Protective cap

1604223

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

Plastic protection cap for connectors with M23 knurled nut

RC-Z2468 - Protective cap

1611796

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

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

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RF-Z0014 - Color-coding

1620588

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

Color-coding, color: green

RF-Z0015 - Color-coding

1620592

https://www.phoenixcontact.com/us/products/1620592

Color-coding, color: orange

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RF-Z0016 - Color-coding

1620593

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

Color-coding, color: black

RF-Z0003 - Square mounting flange

1607905

https://www.phoenixcontact.com/us/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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https://www.phoenixcontact.com/us/products/1619760

CA-Z0077 - Metal protective cap

1627224

https://www.phoenixcontact.com/us/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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