

CA-16S1N128008 - Cable connector



1619643

<https://www.phoenixcontact.com/us/products/1619643>

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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: 10 mm ... 14.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1243732

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	1619643
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB33
Product key	ABRAEA
GTIN	4046356822350
Weight per piece (including packing)	94.5 g
Weight per piece (excluding packing)	91 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 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 mm ²
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	10 mm ... 14.5 mm
Seal material	NBR

Environmental and real-life conditions

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Ambient conditions

Ambient temperature (operation)

-40 °C ... 125 °C

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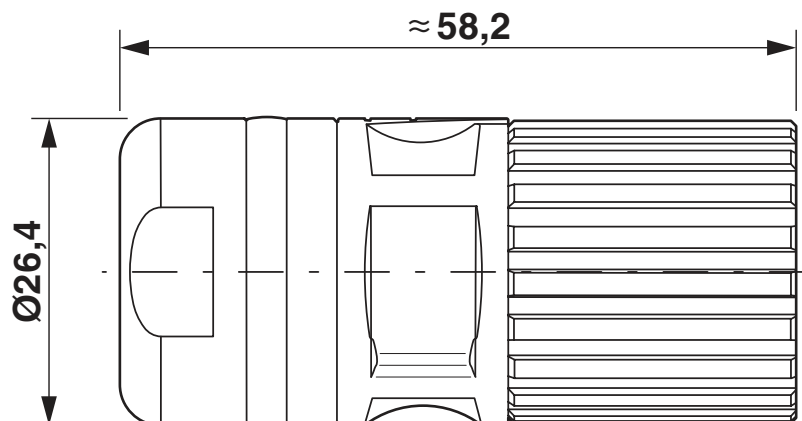


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Drawings

Dimensional drawing



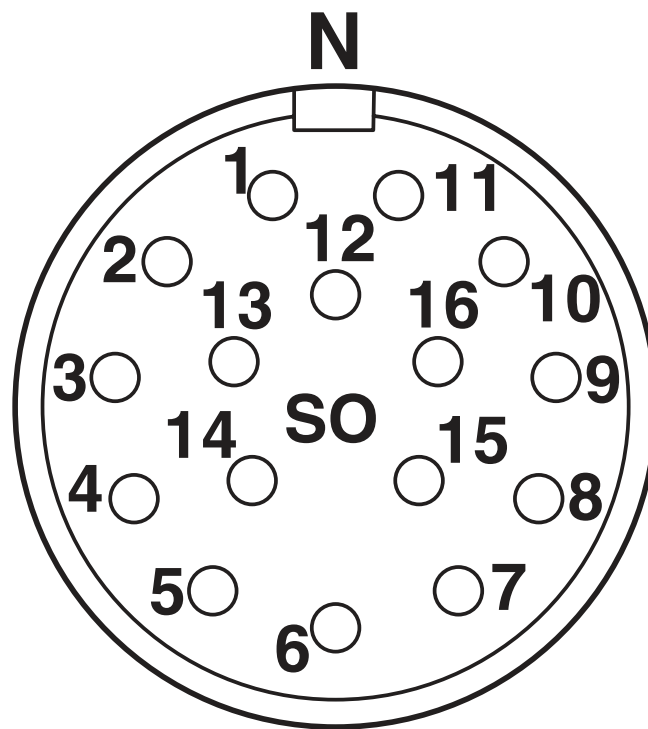
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Schematic diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1619643>

 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
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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/us/products/1607456>

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

<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

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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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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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