CA-09P1N1280DNSX - Cable connector

1243687

https://www.phoenixcontact.com/in/products/1243687

PHŒNIX CONTACT

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M23, Cable connector, series: CA, straight, shielded: yes, SPEEDCON, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Pin, Solder connection, cable diameter range: 3 mm ... 14.5 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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	1243687
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	*****
Product key	ABRAEB
GTIN	4063151474096
Weight per piece (including packing)	98.6 g
Weight per piece (excluding packing)	94 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Circular connector (cable-side)

Connector

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	Pin
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Contact diameter Power contacts	2 mm
Litz wire cross-section Power contacts max.	2.5 mm²
Rated current Power contacts	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 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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Drawings

Schematic diagram
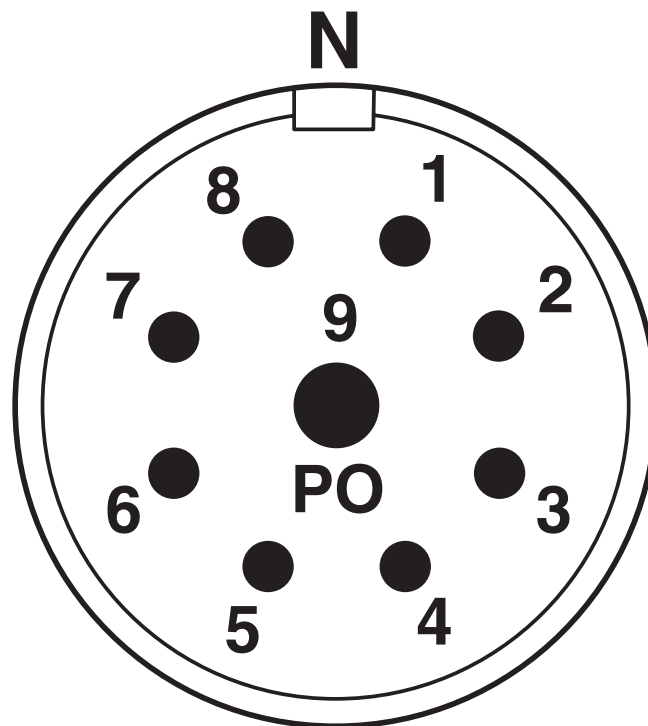
Connector pin assignment

Approvals

☼ To download certificates, visit the product detail page: https://www.phoenixcontact.com/in/products/1243687

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	12 A	14	-
Signal	48 V	6 A	18	-

UL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Power	48 V	20 A	14	-
Signal	48 V	8 A	18	-

cULus Recognized

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Classifications

ECLASS

ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002498

UNSPSC

UNSPSC 21.0	39121100

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

SF-Z0028 - Torque screwdriver

1607456

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Torque screwdriver, series: RC, UC, SH, SF

SF-Z0027 - Hook wrench

1607455

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Hook wrench, series: RC, UC, RF, SF

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RF-Z0014 - Color coding

1620588

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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

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Color coding, color: black

RF-Z0003X - Square mounting flange

1242369

https://www.phoenixcontact.com/in/products/1242369

Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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CA-Z0077X - Metal protective cap

1245447

https://www.phoenixcontact.com/in/products/1245447

Metal protective cap, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

PROT-M23-SG-IT-IP20 - Plastic protective cap

1577206

https://www.phoenixcontact.com/in/products/1577206

Plastic protective cap, M23, series: CA, RC, RF, UC, RM

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