CA-12S1N8A80DNX - Cable connector

1243814

https://www.phoenixcontact.com/in/products/1243814

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M23, Cable connector, series: CA, straight, shielded: yes, Screw locking mechanism, No. of pos. : 12, Direction of rotation: Standard, contact connection type: Socket, Crimp 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
- Crimping connection: vibration- and temperature-resistant assembly

Commercial data

Item number	1243814
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	*****
Product key	ABRAEA
GTIN	4063151403911
Weight per piece (including packing)	93.2 g
Weight per piece (excluding packing)	93.2 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Order information:	Order 12 x 1 mm crimp contacts separately

Product properties

Product type	Circular connector (cable-side)

Connector

Connection 1

Head design	Socket

Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Insulation body material	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.08 mm²
Litz wire cross-section Signal contacts max.	1 mm²
Nominal current per signal contact	8 A
Rated voltage Signal contact	48 V AC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

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

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Ambient conditions

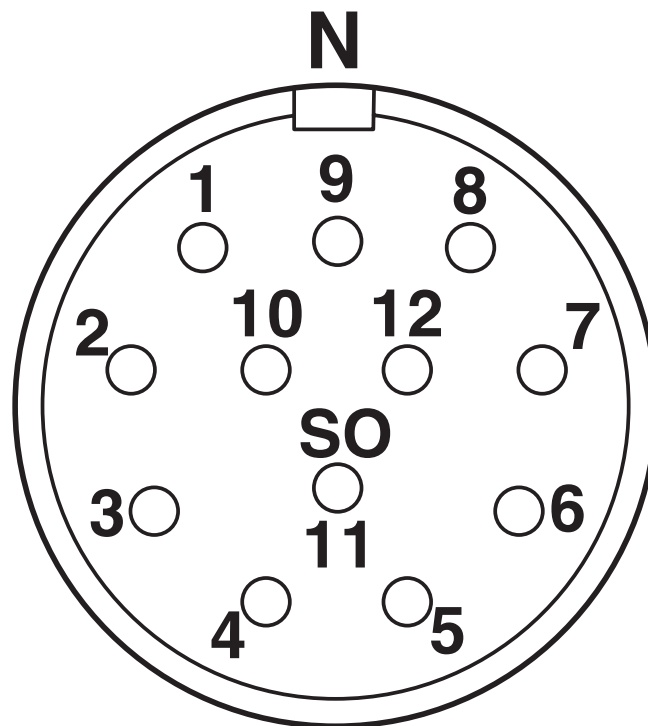|	
Ambient temperature (operation)	-40 °C ... 125 °C
Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

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Drawings

Schematic diagram

Connector pin assignment

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Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/in/products/1243814

cUL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	4 A	20	-

UL Recognized
Approval ID: E335019-20141210

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	48 V	6 A	20	-

cULus Recognized

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635

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

RC-10KS0,08-0,56 - Crimp contact

1241093

https://www.phoenixcontact.com/in/products/1241093

Crimp contact, Socket, turned, Single contact, contact diameter: 1 mm, crimp range: 0.08 mm^2 ... 0.56 mm^2, Contact release tool not necessary for the 12- and 17-pos. crimp versions of the M23-PRO series, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

RC-10KS0,75-1,00 - Crimp contact

1241572

https://www.phoenixcontact.com/in/products/1241572

Crimp contact, Socket, turned, contact diameter: 1 mm, crimp range: 0.75 mm^2 ... 1 mm^2, Contact release tool not necessary for the 12- and 17-pos. crimp versions of the M23-PRO series, 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

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

SF-Z0028 - Torque screwdriver

1607456

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

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

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SF-Z0027 - Hook wrench

1607455

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

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

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

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

Color coding, color: orange
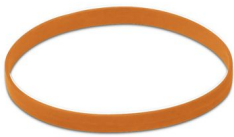
RF-Z0016 - Color coding

1620593

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

Color coding, color: black

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RF-Z0003X - Square mounting flange

1242369

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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 %)

RC-22S2000 - Crimp contact

1603327

https://www.phoenixcontact.com/in/products/1603327

Crimp contact, Socket, rolled, Single contact, contact diameter: 1 mm, crimp range: 0.22 mm^2 ... 0.56 mm^2, Single contact, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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RC-22S2300 - Crimp contact

1603330

https://www.phoenixcontact.com/in/products/1603330

Crimp contact, Socket, rolled, Taped product, number of pieces per reel: 500, contact diameter: 1 mm, crimp range: 0.22 mm^2 ... 0.56 mm^2, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

RC-22S2400 - Crimp contact

1603332

https://www.phoenixcontact.com/in/products/1603332

Crimp contact, Socket, rolled, Taped product, number of pieces per reel: 10000, contact diameter: 1 mm, crimp range: 0.22 mm^2 ... 0.56 mm^2, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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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

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in