

NLC-IO-2AI-2AO-01 - I/O extension module



2701040

<https://www.phoenixcontact.com/us/products/2701040>

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I/O extension module for use with Nanoline base unit. Equipped with 2 analog input (0...10 V DC, -10...+10 V DC, 0/4...20 mA) and 2 analog output (0...10 V DC, 0/4...20 mA) channels. A maximum of three I/O extension modules can be attached to a base unit.

Commercial data

Item number	2701040
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR11
Product key	DRACAC
Catalog page	Page 466 (C-8-2015)
GTIN	4046356629522
Weight per piece (including packing)	206.4 g
Weight per piece (excluding packing)	199 g
Customs tariff number	85389099
Country of origin	IN

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Technical data

Product properties

Product type	Extension module
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Electrical properties

Supply: Module electronics

Supply voltage	24 V DC
Supply voltage range	18 V DC ... 24 V DC
Supply current	100 mA

Input data

Analog

Input name	Analog inputs
Description of the input	Single ended
Number of inputs	2 (Voltage or current can be chosen separately)
A/D converter resolution	12 bit
Connection method	Individual wires
Connection technology	Screw connection
Current input signal	0 mA ... 20 mA 4 mA ... 20 mA
Input resistance current input	120 Ω
Voltage input signal	0 V ... 10 V -10 V ... 10 V
Input resistance of voltage input	200 k Ω
Limit frequency (3 dB)	5 Hz

Output data

Analog

Output name	Analog outputs
Connection method	Individual wires
Connection technology	Screw connection
Number of outputs	2
D/A converter resolution	12 bit
Current output signal	0 mA ... 20 mA 4 mA ... 20 mA
Load/output load current output	500 Ω
Voltage output signal	0 V ... 10 V
Load/output load voltage output	1000 Ω
Precision	1 %

Connection data

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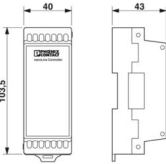


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Connection method	Screw connection
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Dimensions

Dimensional drawing	
Width	40 mm
Height	103.5 mm
Depth	43 mm

Material specifications

Color	black
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Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Degree of protection	IP20
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	0 % ... 90 % (at 25 °C)

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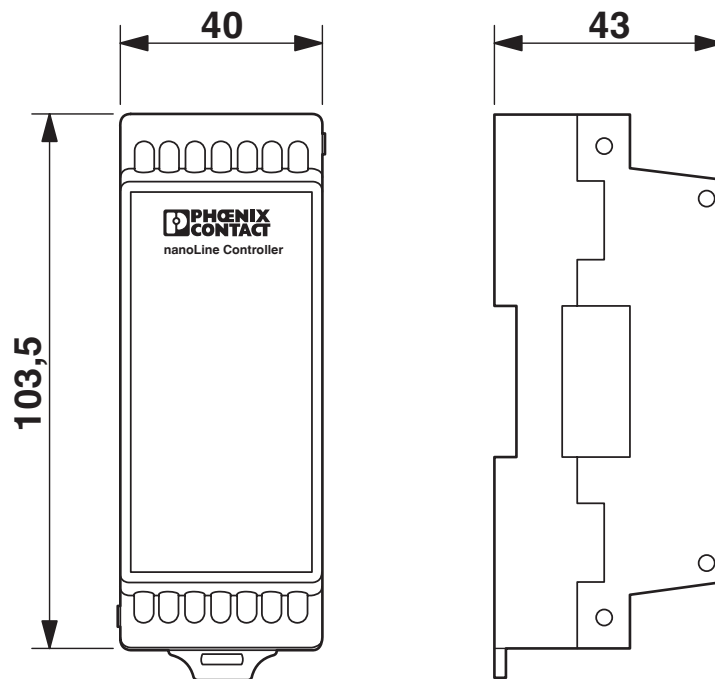
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Drawings

Dimensional drawing



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Approvals

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UL Listed
Approval ID: FILE E 238705



cUL Listed
Approval ID: FILE E 238705



EAC
Approval ID: TR_TS_D_01831-19

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27242216
ECLASS-12.0	27242216
ECLASS-13.0	27242216

ETIM

ETIM 8.0	EC001417
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UNSPSC

UNSPSC 21.0	39122300
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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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