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

2701040

https://www.phoenixcontact.com/nl/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
Minimum order quantity	1 pc
Sales key	DRACAC
Product key	DRACAC
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

Technical data

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)
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 kΩ
A/D converter resolution	12 bit
Limit frequency (3 dB)	5 Hz

Output data

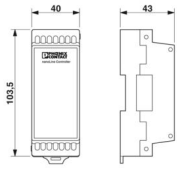
Analog:

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

Connection method	Screw connection

Dimensions

Dimensional drawing	
Width	40 mm
Height	103.5 mm
Depth	43 mm

Material specifications

Color	black

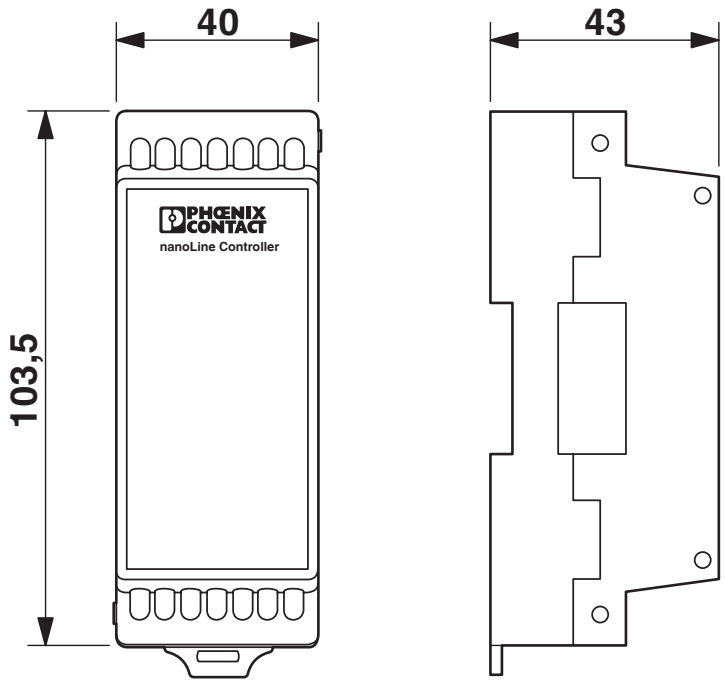
Environmental and real-life conditions

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)

Drawings

Dimensional drawing



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/nl/products/2701040

UL Listed
Approval ID: E238705

cUL Listed
Approval ID: E238705

Classifications

ECLASS

ECLASS-13.0	27242216

ETIM

ETIM 9.0	EC001417

UNSPSC

UNSPSC 21.0	39122300

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	97944160-c72e-4e20-9690-e85af7d3ddb4

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