


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

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 629522
GTIN	4046356629522

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Width	40 mm
Height	103.5 mm
Depth	43 mm

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

#### Supply

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

#### Analog inputs

Description of the input	Single ended
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### Technical data

#### Analog inputs

Input name	Analog inputs
Number of inputs	2 (Voltage or current can be chosen separately)
Connection method	Individual wires
Connection technology	Screw connection
Resolution A/D	12 bit
Limit frequency (3 dB)	5 Hz
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

#### Analog outputs

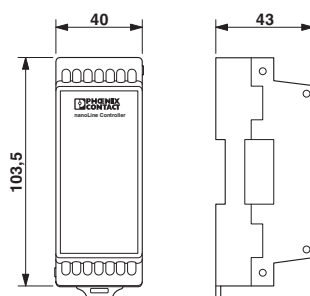
Number of outputs	2
Connection method	Individual wires
Connection technology	Screw connection
Output name	Analog outputs
D/A resolution	12 bit
Current output signal	0 mA ... 20 mA
	4 mA ... 20 mA
Load/output load current output	500 Ω
Voltage output signal	0 V ... 10 V
Load/output load voltage output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

#### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

Dimensional drawing



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### Approvals

#### Approvals

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#### Approvals


UL Listed / EAC


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Ex Approvals

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#### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
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EAC		EAC-Zulassung
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