

## I/O extension module - NLC-IO-4AI - 2701098

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I/O extension module for use with Nanoline base unit. Equipped with 4 analog input channels. A maximum of three I/O extension modules can be attached to a base unit.

### Your advantages

- ✓ Automatically recognized by the firmware
- ✓ I/O modules are electrically isolated
- ✓ Can be powered from a secondary power supply
- ✓ A system may have up to 8 analog inputs and 8 analog outputs
- ✓ Configuration options for 0 - 10 V DC,  $\pm 10$  V DC, 4 - 20 mA, and 0 - 20 mA
- ✓ Up to 3 modules can be added to the right side of a base unit



### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356325318
Weight per Piece (excluding packing)	150.000 g
Custom tariff number	85389099
Country of origin	India

### 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
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### Technical data

#### Dimensions

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 current	nom. 50 µA
	max. 90 µA

#### Analog inputs

Description of the input	Single ended
Input name	Analog inputs
Number of inputs	4 (Voltage or current can be chosen separately)
Connection method	Individual wires
Connection technology	Screw connection
A/D converter resolution	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

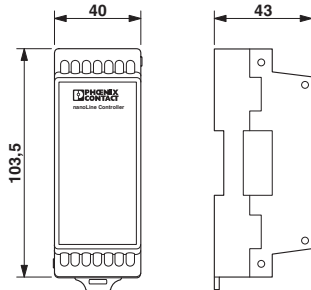
#### Environmental Product Compliance

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

### Drawings

## I/O extension module - NLC-IO-4AI - 2701098

Dimensional drawing



Connection diagram



### Classifications

#### eCl@ss

eCl@ss 10.0.1	27242216
eCl@ss 11.0	27242216
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27242700
eCl@ss 5.1	27242700
eCl@ss 6.0	27242200
eCl@ss 7.0	27242216
eCl@ss 8.0	27242216
eCl@ss 9.0	27242216

#### ETIM

ETIM 2.0	EC001417
ETIM 3.0	EC001417
ETIM 4.0	EC001417
ETIM 5.0	EC001417
ETIM 6.0	EC001417
ETIM 7.0	EC001417

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## Classifications

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	39122329
UNSPSC 18.0	39122329
UNSPSC 19.0	39122329
UNSPSC 20.0	39122329
UNSPSC 21.0	39122329

## Approvals

### Approvals

#### Approvals

UL Listed / EAC / cUL Listed / cULus Listed

#### Ex Approvals

### 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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cUL 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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cULus Listed			
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