

## I/O expansion module - nLC-IO-4AI - 2701098

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

### Why buy this product

- 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, ±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
Minimum order quantity	252
Catalog page	Page 13 (AX-2011)
GTIN	 4 046356 325318
Custom tariff number	85389091
Country of origin	INDIA

### Technical data

#### Supply

Supply voltage	24 V
Supply current	Nom. 50 µA
Supply current	max. 90 µA

#### Analog inputs

Number of inputs	4 (Differential inputs, voltage or current can be chosen separately)
Connection method	2-wire
Input name	Analog inputs
Resolution A/D	12 bit
Limit frequency (3 dB)	5 Hz

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## Technical data

### Analog inputs

Current input signal	0 mA ... 20 mA
Input resistance current input	120 Ω
Voltage input signal	0 V ... 10 V
Voltage input signal	-10 V ... 10 V
Input resistance of voltage input	200 kΩ

### General data

Width	40 mm
Height	103.5 mm
Depth	43 mm
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

## Classifications

### eclass

eCl@ss 4.0	27240101
eCl@ss 4.1	27240101
eCl@ss 5.0	27242216
eCl@ss 5.1	27242216
eCl@ss 6.0	27242216
eCl@ss 7.0	27242216

### etim

ETIM 2.0	EC001417
ETIM 3.0	EC001417
ETIM 4.0	EC001417

### unspsc

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

## Approvals

### Approvals

Approvals

UL Listed / cUL Listed / cUL Listed

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## Approvals

Ex Approvals

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Approvals submitted

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## Approval details

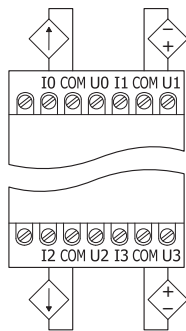
UL Listed

cUL Listed #

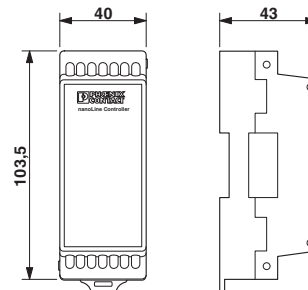
cUL Listed #

## Drawings

Connection diagram



Dimensioned drawing



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