Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

# 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 |

**PHŒNIX CONTACT**

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

## 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

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

## Approvals

Ex Approvals

Approvals submitted

## Approval details

UL Listed

cUL Listed

cUL Listed

## Drawings

Connection diagram



Dimensioned drawing