

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.

Product Features

- 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

package_quantity	1
GTIN	4046356325318

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 current	nom. 50 μ A
Supply current	max. 90 μ A

Analog inputs

Number of inputs	4 (Voltage or current can be chosen separately)
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Technical data

Analog inputs

Connection method	Individual wires
Connection method	Screw connection
Input name	Analog inputs
Resolution A/D	12 bit
Limit frequency (3 dB)	5 Hz
Current input signal	0 mA ... 20 mA
Current input signal	4 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
Precision	1 %

classifications

eCl@ss

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
eCl@ss 8.0	27242216

ETIM

ETIM 2.0	EC001417
ETIM 3.0	EC001417
ETIM 4.0	EC001417
ETIM 5.0	EC001417

UNSPSC

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

approvals

UL Listed /

Approval details

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approvals

UL Listed

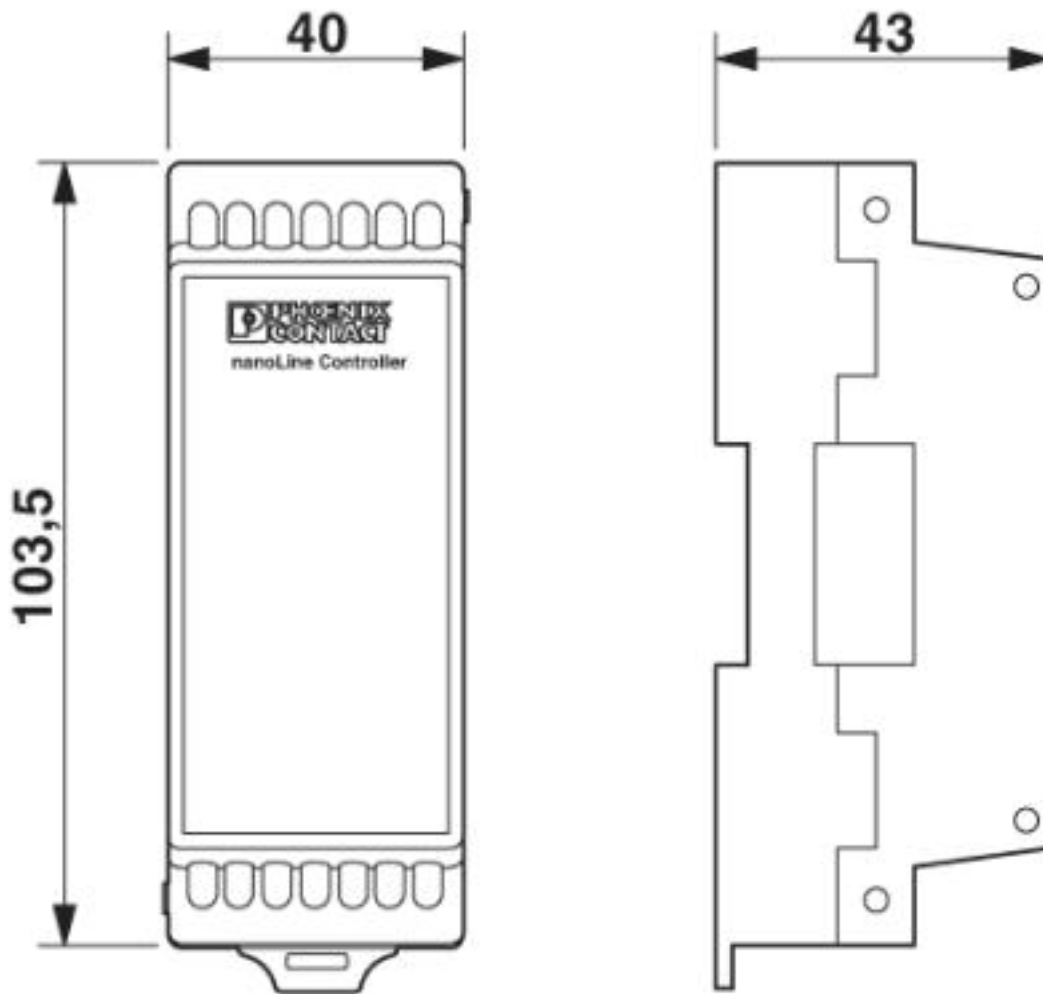
Drawings

Connection diagram



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Dimensioned drawing



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