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

2701098

https://www.phoenixcontact.com/us/products/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, ±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

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2701098
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR11
Product key	DRACAC
GTIN	4046356325318
Weight per piece (including packing)	188 g
Weight per piece (excluding packing)	186.2 g
Customs tariff number	85389099
Country of origin	IN

Technical data

Product properties

Product type	Extension module

Electrical properties

Supply: Module electronics

Supply voltage	24 V DC
Supply current	nom. 50 µA
	max. 90 µA

Input data

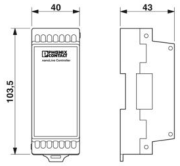
Analog:

Input name	Analog inputs
Description of the input	Single ended
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

Connection data

Connection method	Screw connection

Dimensions

Dimensional drawing	
Width	40 mm
Height	103.5 mm
Depth	43 mm

Material specifications

Color	white

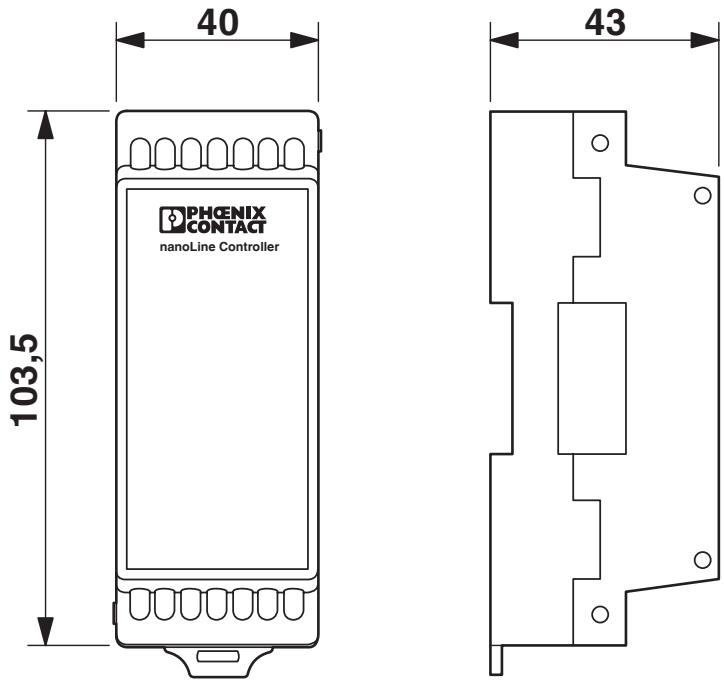
Environmental and real-life conditions

Ambient conditions

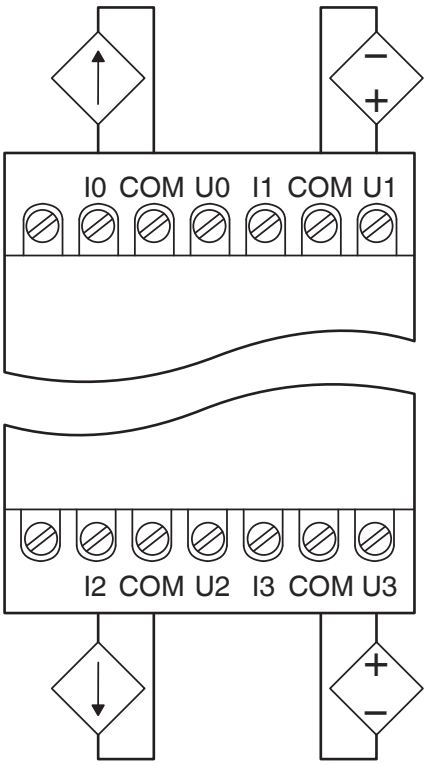
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Degree of protection	IP20
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	0 % ... 90 % (at 25 °C)

Drawings

Dimensional drawing



Connection diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2701098

UL Listed
Approval ID: E238705

cUL Listed
Approval ID: E238705

Classifications

ECLASS

ECLASS-13.0	27242216

ETIM

ETIM 9.0	EC001417

UNSPSC

UNSPSC 21.0	39122300

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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