

# NLC-IO-06I-04QTP-01A - I/O extension module



2701072

<https://www.phoenixcontact.com/us/products/2701072>

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I/O extension module for use with Nanoline base unit. Equipped with 6 digital input and 4 PNP digital output 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
- Up to 3 modules can be added to the right side of a base unit
- Can be powered from a secondary power supply

## Commercial data

Item number	2701072
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR11
Product key	DRACAB
GTIN	4046356325332
Weight per piece (including packing)	173.3 g
Weight per piece (excluding packing)	137.6 g
Customs tariff number	85389099
Country of origin	IN

## Technical data

### Product properties

Product type	Extension module
Product family	Nanoline
Mounting position	Attaches to DB-9 connector on right-side of base unit

### Electrical properties

#### Supply: Module electronics

Connection method	Screw connection
Supply voltage	24 V DC
Supply current	typ. 50 mA max. 90 mA

### Input data

#### Digital:

Input name	Digital inputs
Description of the input	PNP/NPN
Number of inputs	6
Connection method	Screw connection
Input voltage range "0" signal	0 V DC ... 5 V DC
Input voltage range "1" signal	15 V DC ... 30 V DC
Nominal input voltage $U_{IN}$	24 V DC
Nominal input current at $U_{IN}$	5 mA DC (On) < 100 $\mu$ A (Off)
Typical response time	60 $\mu$ s (on) 70 $\mu$ s (OFF)

### Output data

#### Digital:

Output name	Digital outputs
Output description	PNP outputs
Connection method	Screw connection
Number of outputs	4
Protective circuit	Short-circuit and overload protection
Maximum output current per channel	500 mA
Maximum output current per module / terminal block	2 A
Maximum output current per module	2 A
Nominal load, inductive	12 VA ((1.2H))
Nominal load, lamp	12 W
Nominal load, ohmic	12 W
Maximum operating frequency with ohmic nominal load	100 Hz

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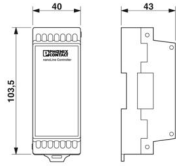
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## Connection data

Connection method	Screw connection
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## Dimensions

Dimensional drawing	
Width	40 mm
Height	103.5 mm
Depth	43 mm

## 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 %

## Mounting

Mounting type	DIN rail mounting
	DIN rail mounting
Mounting position	Attaches to DB-9 connector on right-side of base unit

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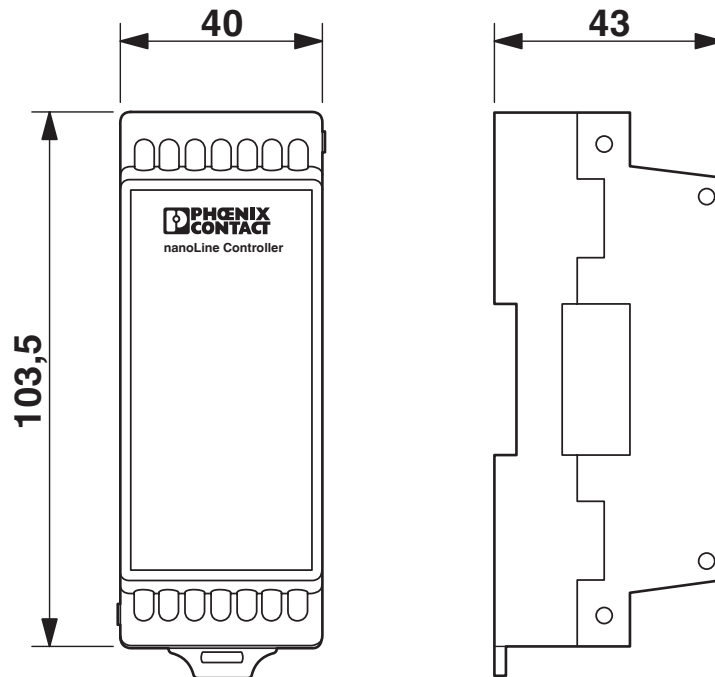


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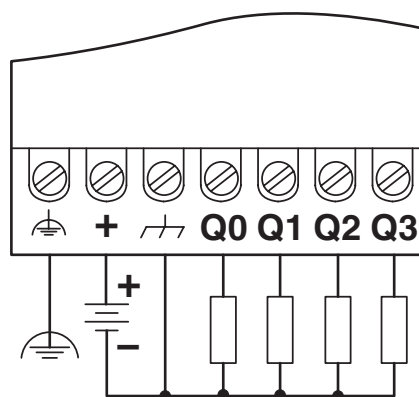
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## Drawings

Dimensional drawing



Connection diagram



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## Approvals

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**UL Listed**

Approval ID: E238705



**cUL Listed**

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## Classifications

### ECLASS

ECLASS-13.0

27242216

### ETIM

ETIM 9.0

EC001417

### UNSPSC

UNSPSC 21.0

39122300

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### 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.)	Lead(CAS: 7439-92-1)
SCIP	95c8bbfb-f003-45b3-a318-976d4e1ab4b8

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