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

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 µA (Off)
Typical response time	60 µs (on)
	70 µs (OFF)

Output data

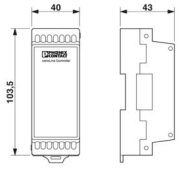
Digital:

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

Connection data

Connection method	Screw connection

Dimensions

Dimensional drawing	
Width	40 mm
Height	103.5 mm
Depth	43 mm

Environmental and real-life conditions

Ambient conditions

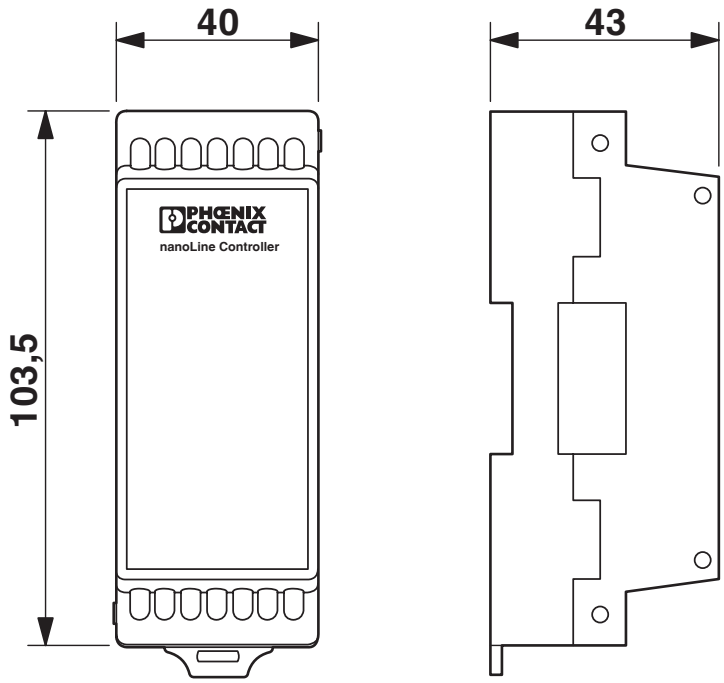
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Degree of protection	IP20
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	0 % ... 90 %

Mounting

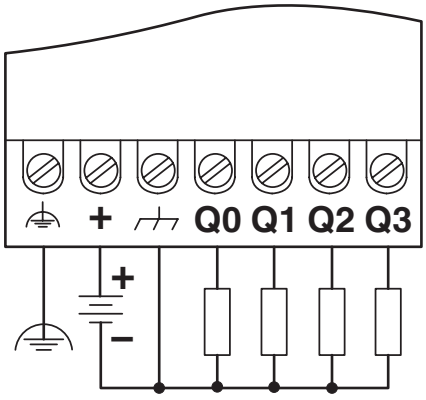
Mounting type	DIN rail mounting
	DIN rail mounting
Mounting position	Attaches to DB-9 connector on right-side of base unit

Drawings

Dimensional drawing



Connection diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2701072

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

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

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com