

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



2701085

<https://www.phoenixcontact.com/in/products/2701085>

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I/O extension module for use with Nanoline base unit. Equipped with 6 digital input and 4 NPN 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	2701085
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DRA
Product Key	DRACAB
Catalog Page	Page 465 (C-8-2015)
GTIN	4046356325325
Weight per Piece (including packing)	177 g
Weight per Piece (excluding packing)	149.9 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 current at U_{IN}	5 mA DC (On) < 100 μ A (Off)
Typical response time	60 μ s (on) 70 μ s (OFF)

Output data

Digital

Output name	Digital outputs
Output description	NPN 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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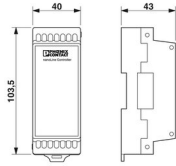
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Connection data

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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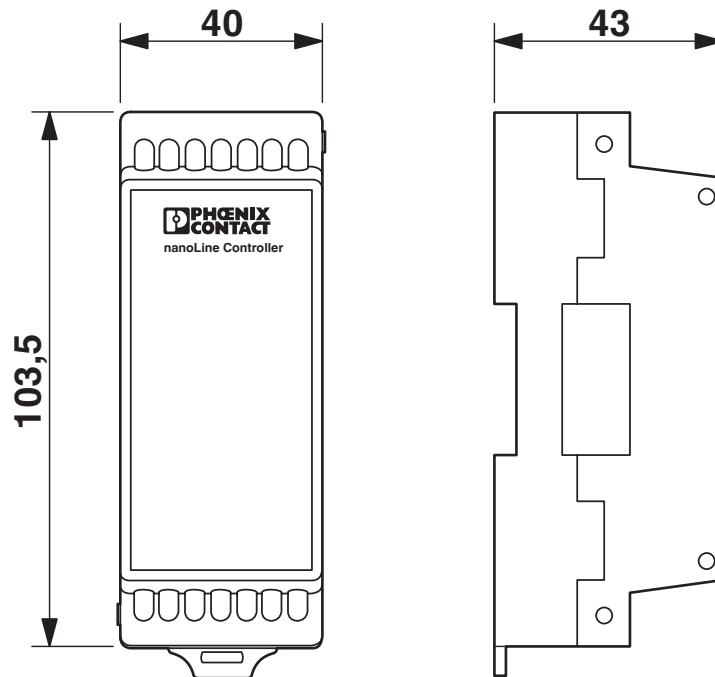


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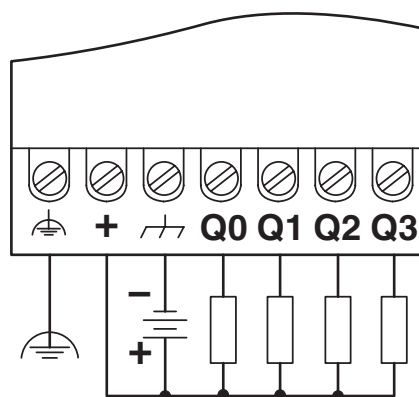
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Drawings

Dimensional drawing



Connection diagram



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Approvals



UL Listed

Approval ID: FILE E 238705



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Classifications

ECLASS

ECLASS-11.0	27242216
ECLASS-12.0	27242216
ECLASS-13.0	27242216

ETIM

ETIM 8.0	EC001417
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UNSPSC

UNSPSC 21.0	39122300
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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