

## I/O expansion module - nLC-IO-06I-04QTN-01A - 2701085

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I/O expansion module for use with Nanoline base unit. Equipped with 6 digital input and 4 NPN digital output channels. A maximum of three I/O expansion modules can be attached to a base unit.

### Why buy this product

- 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



### Key commercial data

Packing unit	1
Minimum order quantity	252
Catalog page	Page 13 (AX-2011)
GTIN	 4 046356 325325
Custom tariff number	85389091
Country of origin	INDIA

### Technical data

#### Supply

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

#### Digital inputs

Input name	Digital inputs
Description of the input	PNP/NPN
Connection method	Screw connection
Number of inputs	6
Typical response time	60 µs (on)
Typical response time	70 µs (off)

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### Digital inputs

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 UIN	5 mA DC (On)

### Digital outputs

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

### General data

Width	40 mm
Height	103.5 mm
Depth	43 mm
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

## Classifications

### eclass

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

### etim

ETIM 2.0	EC001417
ETIM 3.0	EC001417
ETIM 4.0	EC001417

### unspsc

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015

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## Classifications

unspsc

UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

## Approvals

Approvals

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Approvals

UL Recognized / cUL Recognized / UL Listed / cUL Listed / cUL Listed

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Ex Approvals

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Approvals submitted

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## Approval details

UL Recognized

cUL Recognized

UL Listed

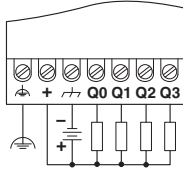
cUL Listed

cUL Listed

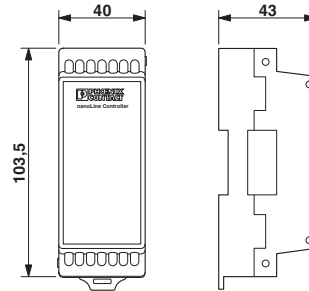
## Drawings

# I/O expansion module - nLC-IO-06I-04QTN-01A - 2701085

Connection diagram



Dimensioned drawing



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