

I/O expansion module - nLC-IO-03I-04QRD-05 - 2701328

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I/O expansion module for use with Nanoline 24 V DC base unit. Equipped with 3 digital input and 4, 5 A relay 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 325493 |
| Custom tariff number | 85389091 |
| Country of origin | INDIA |

Technical data

Supply

| | |
|-------------------|------------------|
| Connection method | Screw connection |
| Supply voltage | 24 V DC |
| Supply current | Typ. 300 mA |
| Supply current | max. 500 mA |

Digital inputs

| | |
|--------------------------|------------------|
| Input name | Digital inputs |
| Description of the input | PNP/NPN |
| Connection method | Screw connection |
| Number of inputs | 3 |
| Typical response time | 60 µs (on) |
| Typical response time | 70 µs (off) |

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Technical data

Digital outputs

| | |
|--|------------------|
| Output name | Relay output |
| Output description | Relay output |
| Connection method | Screw connection |
| Number of outputs | 4 |
| Maximum output current per channel | 5 A |
| Maximum output current per module / terminal block | 20 A |
| Maximum output current per module | 20 A |

General data

| | |
|---|------------------|
| Width | 40 mm |
| Height | 103.5 mm |
| Depth | 43 mm |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 55 °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 | EC002584 |

unspsc

| | |
|---------------|----------|
| UNSPSC 6.01 | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201404 |
| UNSPSC 13.2 | 43201404 |

Approvals

Approvals

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Approvals

Approvals

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


Ex Approvals

Approvals submitted


Approval details

UL Recognized 

cUL Recognized 

UL Listed 

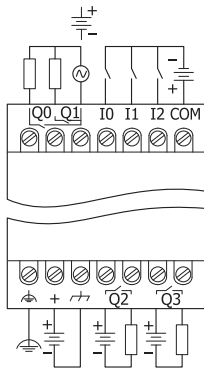
cUL Listed 

cUL Listed 

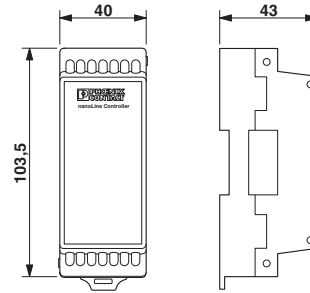
Drawings

I/O expansion module - nLC-IO-03I-04QRD-05 - 2701328

Connection diagram



Dimensioned drawing



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