



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## base unit - nLC-050-024D-06I-04QRD-05A - 2701043

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24 V DC Nanoline base unit. Equipped with 6 digital input and 4 relay output channels. Additional I/O channels can be added using a maximum of three I/O expansion modules. Optional communication modules provide network or serial connectivity. Optional Operator Panel provides user interface. Programming is via nanoNavigator.

### Why buy this product

- An operator panel can be integrated in the basic unit or installed remotely on a panel as an option
- Intuitive programming language with options for flowcharts and ladder diagrams
- Basic unit has integrated digital inputs, relay outputs, and analog inputs, including high-speed counters



### Key commercial data

Packing unit	1
Minimum order quantity	270
Catalog page	Page 11 (AX-2011)
GTIN	 4 046356 325363
Custom tariff number	85371099
Country of origin	INDIA

### Technical data

#### Supply

Power supply connection	Screw connection
Supply voltage	24 V DC (Power available to the I/O and Communications modules)
Supply voltage range	19 V DC ... 30 V DC
Max. current consumption	250 mA
Typical current consumption	96 mA

#### Software interfaces

Programming tool	nanoNavigator 1 or 2
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#### Digital inputs

Input name	Digital inputs
Description of the input	EN 61131-2 type 1 NPN/PNP
Connection method	Screw connection

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### Technical data

#### Digital inputs

Number of inputs	6
Typical response time	on 60 µs
Typical response time	off 70 µs
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	Relay output
Output description	Relay output
Connection method	Screw connection
Number of outputs	4
Protective circuit	Short-circuit and overload protection
Maximum output current per channel	5 A
Maximum output current per module / terminal block	20 A
Maximum output current per module	5 A
Nominal load, ohmic	600 W (@ 24 ohms)

#### General data

Width	80.5 mm
Height	103.5 mm
Depth	60 mm
Mounting type	DIN rail
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	90 %

### 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

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## Classifications

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

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

# base unit - nLC-050-024D-06I-04QRD-05A - 2701043

## Accessories

### Accessories

Covering hood - NLC-MOD-CAP-PXC - 2701292



Replacement cover for slot 2 in base unit.

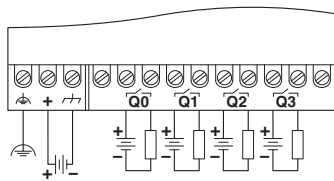
Covering hood - NLC-MOD-CAP - 2701289



Replacement cover for slot 1 in base unit.

## Drawings

Connection diagram



Dimensioned drawing

