

base unit - nLC-050-24D-06I-04QTN-00A - 2701030

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24 V DC Nanoline base unit. Equipped with 6 digital input and 4 NPN digital 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 10 (AX-2011)
GTIN	 4 046356 325370
Custom tariff number	85371099
Country of origin	INDIA

Technical data

Interfaces

Interface	Operator Panel
Connection method	RJ45 / Combicon
Interface	V.24 (RS-232)
Connection method	Slot 1
Interface	USB
Connection method	Slot 1
Interface	Realtime Clock
Connection method	Slot 2

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

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Technical data

Supply

Max. current consumption	250 mA
Typical current consumption	92 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
Number of inputs	6
Typical response time	on 60 µs
Typical response time	off 70 µs
Input voltage	24 V DC
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
Output voltage	24 V DC
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	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 %

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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

Approvals

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

Ex Approvals

Approvals submitted

Approval details

UL Recognized 

cUL Recognized 
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Approvals

UL Listed

cUL Listed

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Accessories

Accessories

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



Replacement cover for slot 2 in base unit.

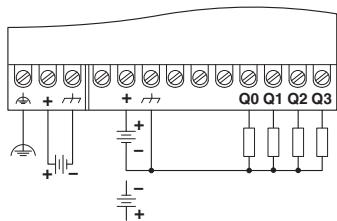
Covering hood - NLC-MOD-CAP - 2701289



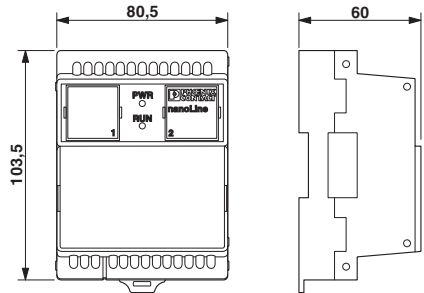
Replacement cover for slot 1 in base unit.

Drawings

Connection diagram



Dimensioned drawing



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