

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

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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



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Accessories

Accessories

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



Replacement cover for slot 2 in base unit.

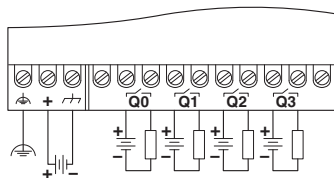
Covering hood - NLC-MOD-CAP - 2701289



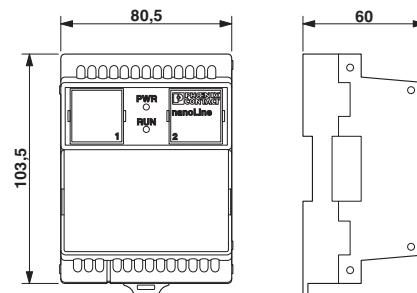
Replacement cover for slot 1 in base unit.

Drawings

Connection diagram



Dimensioned drawing



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