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

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 extension modules. Optional communication modules provide network or serial connectivity. Optional Operator Panel provides user interface. Programming is via nanoNavigator.

Product Features

- 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

package_quantity	1
GTIN	4046356325363

Technical data

Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width	80.5 mm
Height	103.5 mm
Depth	60 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	90 %

Supply

Power supply connection	Screw connection
Supply voltage	24 V DC (Power available to the I/O and Communications modules)
Supply voltage range	19.2 V DC ... 30 V DC
Max. current consumption	250 mA
Typical current consumption	150 mA

Software interfaces

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

Technical data

Software interfaces

Programming tool	nanoNavigator 1 or 2

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	60 µs (on)
Typical response time	70 µs (off)
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 U_{IN}	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

Mounting type	DIN rail

classifications

eCl@ss

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
eCl@ss 8.0	27242216

ETIM

ETIM 2.0	EC001417
ETIM 3.0	EC001417
ETIM 4.0	EC001417
ETIM 5.0	EC001417

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

classifications

UNSPSC

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

approvals

UL Listed / cUL Listed / cULus Listed /

Approval details

UL Listed

cUL Listed

cULus Listed

accessories

Cover

NLC-MOD-CAP-PXC - 2701292

NLC-MOD-CAP - 2701289

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

accessories

Extension module

NLC-IO-06I-04QTP-01A - 2701072

NLC-IO-06I-04QTN-01A - 2701085

NLC-IO-03I-04QRD-05A - 2701328

NLC-IO-4AI - 2701098

NLC-MOD-RTC - 2701153

Operator interface

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

accessories

NLC-OP1-LCD-032-4X20 - 2701137

Mounting material

NLC-OP1-MKT - 2701140

Communication module

NLC-MOD-RS232 - 2701179

NLC-MOD-RS485 - 2701182

NLC-MOD-USB - 2701195

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

accessories

NLC-COM-ENET-MB1 - 2701124

NLC-COM-GSM - 2701344

Programming cable

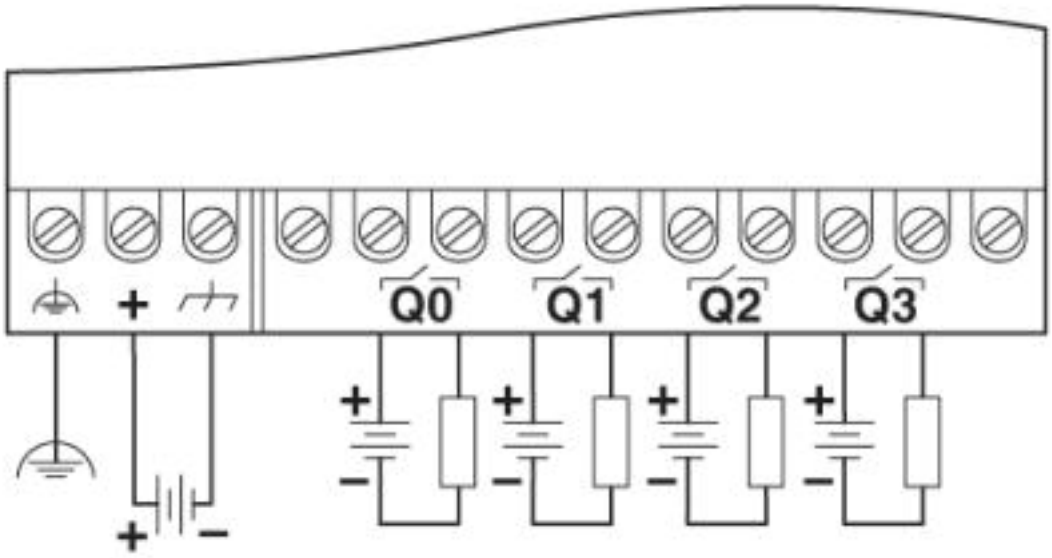
NLC-PC/SERIAL-CBL 1M - 2701234

NLC-PC/USB-CBL 2M - 2701247

Drawings

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

Connection diagram



Dimensioned drawing