

Base unit - NLC-055-100A-08I-04QRA-05A - 2700487

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100...240 V AC Nanoline base unit. Equipped with 8 digital inputs 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.



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356646550
Weight per Piece (excluding packing)	360.000 g
Custom tariff number	85371098
Country of origin	India

Technical data

Note

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

Width	80.5 mm
Height	103.5 mm
Depth	60 mm

Ambient conditions

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

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Technical data

Supply

Power supply connection	Screw connection
Supply voltage	240 V AC (Power available to the I/O and Communications modules)
Max. current consumption	70 mA (at 110 V AC)
Typical current consumption	50 mA (for 230 V AC)

Software interfaces

Programming tool	nanoNavigator 3 or above
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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	8
Typical response time	20 ms (on)
Nominal input current at U_{IN}	0.4 mA (On: 120 V AC) 0.8 mA (On: 240 V AC)
Input voltage range "0" signal	0 V ... 25 V
Input voltage range "1" signal	80 V ... 250 V

Digital outputs

Output name	Relay output
Output description	Relay output
Connection method	Screw connection
Number of outputs	4
Protective circuit	External protection required
Nominal load, ohmic	600 W (@ 24 ohms)

General

Mounting type	DIN rail mounting
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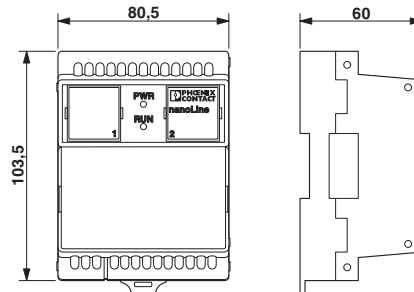
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27242216
eCl@ss 11.0	27242216
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27242700
eCl@ss 5.1	27242700
eCl@ss 6.0	27242200
eCl@ss 7.0	27242216
eCl@ss 8.0	27242216
eCl@ss 9.0	27242216

ETIM

ETIM 2.0	EC001417
ETIM 3.0	EC001417
ETIM 4.0	EC001417
ETIM 5.0	EC001417
ETIM 6.0	EC001417
ETIM 7.0	EC001417

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	39122329
UNSPSC 18.0	39122329
UNSPSC 19.0	39122329
UNSPSC 20.0	39122329

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Classifications

UNSPSC

UNSPSC 21.0	39122329
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Approvals

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UL Listed / EAC / EAC / cUL Listed / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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EAC			EAC-Zulassung
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EAC			RU *- DE.A*30.B.00238
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cULus Listed			
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Accessories

Accessories

Communication module

Base unit - NLC-055-100A-08I-04QRA-05A - 2700487

Accessories

nanoLC module - NLC-MOD-RS232 - 2701179



RS-232 connection for data transfer or software configuration

Option module - NLC-MOD-RS485 - 2701182



RS-485 connection for data transfer or software configuration

nanoLC module - NLC-MOD-USB - 2701195



Serial connection to PC's USB port for data transfer or software configuration

Communication module - NLC-COM-ENET-MB1 - 2701124



Ethernet communication module. Allows the Nanoline controller to be connected to an Ethernet, operating as a Modbus TCP Server.

Communication module - NLC-COM-GSM - 2701344



GSM communication module. Allows SMS messaging to and from the Nanoline controller when connected to the GSM network.

Cover

Base unit - NLC-055-100A-08I-04QRA-05A - 2700487

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.

Extension module

I/O extension module - NLC-IO-06I-04QTP-01A - 2701072



I/O extension module for use with Nanoline base unit. Equipped with 6 digital input and 4 PNP digital output channels. A maximum of three I/O extension modules can be attached to a base unit.

I/O extension module - NLC-IO-06I-04QTN-01A - 2701085



I/O extension module for use with Nanoline base unit. Equipped with 6 digital input and 4 NPN digital output channels. A maximum of three I/O extension modules can be attached to a base unit.

I/O extension module - NLC-IO-03I-04QRD-05A - 2701328



I/O extension 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 extension modules can be attached to a base unit.

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Accessories

I/O extension module - NLC-IO-4AI - 2701098



I/O extension module for use with Nanoline base unit. Equipped with 4 analog input channels. A maximum of three I/O extension modules can be attached to a base unit.

I/O extension module - NLC-IO-2AI-2AO-01 - 2701040



I/O extension module for use with Nanoline base unit. Equipped with 2 analog input (0...10 V DC, -10...+10 V DC, 0/4...20 mA) and 2 analog output (0...10 V DC, 0/4...20 mA) channels. A maximum of three I/O extension modules can be attached to a base unit.

Mounting material

Mounting kit - NLC-OP1-MKT - 2701140



Mounting kit

Operator interface

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



User interface for Nanoline controllers. Mounts directly on the base unit. Can be mounted remotely using the mounting kit.

Programming cable

Base unit - NLC-055-100A-08I-04QRA-05A - 2700487

Accessories

Cable - NLC-PC/SERIAL-CBL 2M - 2701234



Cable, serial, 9-pos. D-SUB to RJ11/12

Cable - NLC-PC/USB-CBL 2M - 2701247



Cable, serial
