

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



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.

## Commercial data

Item number	2700487
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR11
Product key	DRACAA
GTIN	4046356646550
Weight per piece (including packing)	355.2 g
Weight per piece (excluding packing)	355 g
Customs tariff number	85371098
Country of origin	IN

## Technical data

### Product properties

Product type	Base unit
Product family	Nanoline

### Electrical properties

#### Supply

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

#### Real-time clock

Realtime clock	Yes (battery-backed)
Description realtime clock	±2 s/day @ 25°C ±4 s/day @ -20 °C ... +60 °C Lithium BR2330

### Input data

#### Digital:

Input name	Digital inputs
Description of the input	EN 61131-2 type 1 NPN/PNP
Number of inputs	8
Connection method	Screw connection
Input voltage range "0" signal	0 V ... 25 V
Input voltage range "1" signal	80 V ... 250 V
Nominal input current at $U_{IN}$	0.4 mA (On: 120 V AC) 0.8 mA (On: 240 V AC)
Typical response time	20 ms (on)

### Output data

#### Digital:

Output name	Relay output
Output description	Relay output
Connection method	Screw connection
Number of outputs	4
Protective circuit	External protection required
Maximum output current per channel	5 A
Maximum output current per module / terminal block	20 A
Maximum output current per module	5 A
Output voltage range	100 V AC ... 240 V AC
Nominal load, ohmic	600 W (@ 24 ohms)
Maximum operating frequency with ohmic nominal load	0.5 Hz (at full load)

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Signal delay	10 ms (@ 20 °C (excludes bounce))
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## Connection data

Connection method	Screw connection
Conductor cross-section, rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

## Interfaces

### Operator Panel

Connection method	RJ45 / COMBICON
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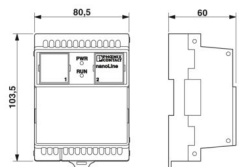
### RS-232

Connection method	Slot 1
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### USB

Connection method	Slot 1
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## Dimensions

Dimensional drawing	
Width	80.5 mm
Height	103.5 mm
Depth	60 mm

## Material specifications

Color	white
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## Environmental and real-life conditions

### 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 %
Permissible humidity (storage/transport)	90 %

## Mounting

Mounting type	DIN rail mounting
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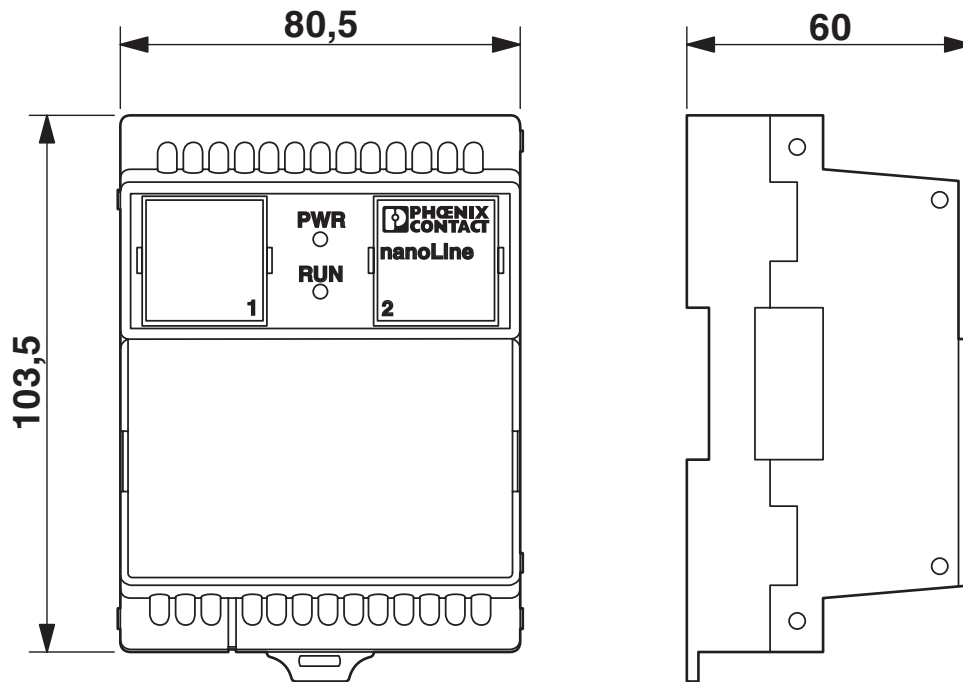


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## Drawings

Dimensional drawing



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## Approvals

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**UL Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E238705

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## Classifications

### ECLASS

ECLASS-13.0

27242216

### ETIM

ETIM 9.0

EC001417

### UNSPSC

UNSPSC 21.0

39122300

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)(CAS: 110-71-4)
	Lead(CAS: 7439-92-1)
SCIP	ff8d68c3-18f2-40b3-9a8c-915b248b4c6d

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