

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
Note	Made to order (non-returnable)
Sales key	DR11
Product key	DRACAA
Catalog page	Page 461 (C-8-2015)
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

System properties

System requirements

Engineering tool	nanoNavigator 3 or above
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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 (for 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

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

Connection data

Connection method	Screw connection
Conductor cross section, rigid	0.2 mm² ... 2.5 mm²
Conductor cross section, flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12

Interfaces

Operator Panel

Connection method	RJ45 / COMBICON
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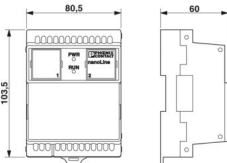
RS-232

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

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Depth	60 mm
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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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