

# NLC-035-024D-04I-02QRD-05A - Base unit



2702031

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24 V DC Nanoline base unit. Equipped with 4 digital input and 2 relay output channels. Two inputs may be configured as analog inputs and two may be configured as high-speed counters. Accepts one additional expansion unit. Onboard RJ11 connector provides programming, serial connectivity and communication to remote operator panel. Programming is via nanoNavigator.

## Commercial data

Item number	2702031
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR11
Product key	DRACAA
GTIN	4046356949521
Weight per piece (including packing)	175.5 g
Weight per piece (excluding packing)	172.9 g
Customs tariff number	85371098
Country of origin	IN

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## Technical data

### Product properties

Product type	Base unit
Product family	Nanoline

### System properties

#### INTERBUS-Master

Number of supported branch terminals with remote bus branch	1 (I/O modules)
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### Electrical properties

#### Supply

Supply voltage	24 V DC (Power available to the I/O and Communications modules)
Supply voltage range	19.2 V DC ... 30 V DC
Power supply connection	Screw connection
Max. current consumption	81 mA
Typical current consumption	74 mA

### Input data

#### Analog:

Description of the input	Analog input
Number of inputs	2 (configurable)
Connection technology	Screw connection
Current input signal	0 mA ... 20 mA 4 mA ... 20 mA
Input resistance current input	500 $\Omega$
Voltage input signal	0 V DC ... 10 V DC
Input resistance of voltage input	200 k $\Omega$
A/D converter resolution	10 bit
Input filter	digital
Limit frequency (3 dB)	0.5 Hz (3 dB)
Measuring principle	Successive approximation
Protective circuit	Polarity reversal

#### Digital:

Input name	Digital inputs
Description of the input	PNP
Number of inputs	4
Connection method	Screw connection
Input voltage range "0" signal	0 V DC ... 5 V DC
Input voltage range "1" signal	11 V DC ... 30 V DC
Nominal input current at $U_{IN}$	1.2 mA (Channel 1 and 2)

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Typical response time	0.13 mA (Channel 3 and 4)
	10 µs (Channel 1 and 2)
	2 ms (Channel 3 and 4)

#### Counter:

Description of the input	High-speed counter
Number of inputs	2 (configurable)
Input frequency	10 kHz

### Output data

#### Digital:

Output name	Relay output
Output description	Relay output
Connection method	Screw connection
Number of outputs	2
Maximum output current per channel	5 A
Maximum output current per module / terminal block	10 A
Maximum output current per module	10 A

### Connection data

Connection method	Screw connection
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### Interfaces

#### Operator Panel

Connection method	RJ45 / COMBICON
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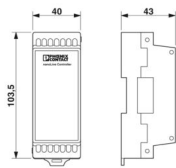
#### RS-232

Connection method	Slot 1
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#### USB

Connection method	Slot 1
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### Dimensions

Dimensional drawing	
Width	40 mm
Height	103.5 mm
Depth	43 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 ... 70 °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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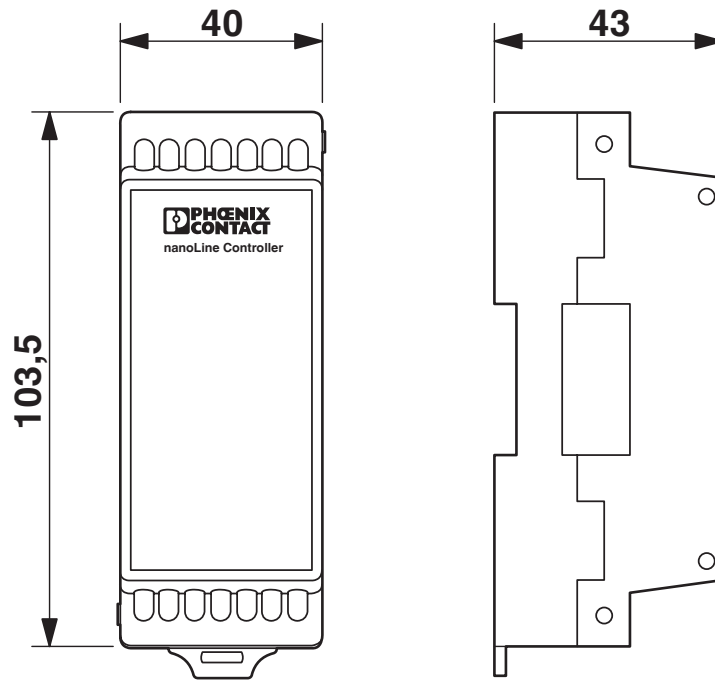


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## Drawings

Dimensional drawing



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## Classifications

### UNSPSC

UNSPSC 21.0	39122329
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## Environmental product compliance

### 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.)	No substance above 0.1 wt%
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