NLC-050-024D-06I-04QTP-00A - Base unit

2701027

https://www.phoenixcontact.com/us/products/2701027

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24 V DC Nanoline base unit. Equipped with 6 digital input and 4 PNP digital 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.

Your advantages

- Basic unit has integrated digital inputs, relay outputs, and analog inputs, including high-speed counters
- An operating panel can be optionally integrated in the basic unit or installed on a wall in a decentralized manner
- Intuitive programming language with options for flowcharts and ladder diagrams

Commercial data

Item number	2701027
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR11
Product key	DRACAA
GTIN	4046356325387
Weight per piece (including packing)	298.1 g
Weight per piece (excluding packing)	294.8 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 1 or 2

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	250 mA
Typical current consumption	92 mA

Real-time clock

Realtime clock	Optional module

Input data

Digital:

Input name	Digital inputs
Description of the input	EN 61131-2 type 1 NPN/PNP
Number of inputs	6
Connection method	Screw connection
Input voltage	24 V DC
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)
	< 100 mA (Off)
Typical response time	60 µs (on)
	70 µs (OFF)

Output data

Digital:

Output name	Digital outputs
Output description	PNP outputs
Connection method	Screw connection
Number of outputs	4

Protective circuit	Short-circuit and overload protection
Output voltage	24 V DC
Maximum output current per channel	500 mA
Maximum output current per module / terminal block	2 A
Maximum output current per module	2 A
Nominal load, inductive	12 VA ((1.2H))
Nominal load, lamp	12 W
Nominal load, ohmic	12 W
Maximum operating frequency with ohmic nominal load	100 Hz

Connection data

Connection method	Screw connection

Interfaces

Operator Panel

Connection method	RJ45 / COMBICON

RS-232

Connection method	Slot 1

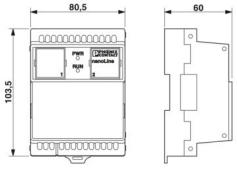
USB

Connection method	Slot 1

Realtime Clock

Connection method	Slot 2

Dimensions

Dimensional drawing	
Width	80.5 mm
Height	103.5 mm
Depth	60 mm

Material specifications

Color	white

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

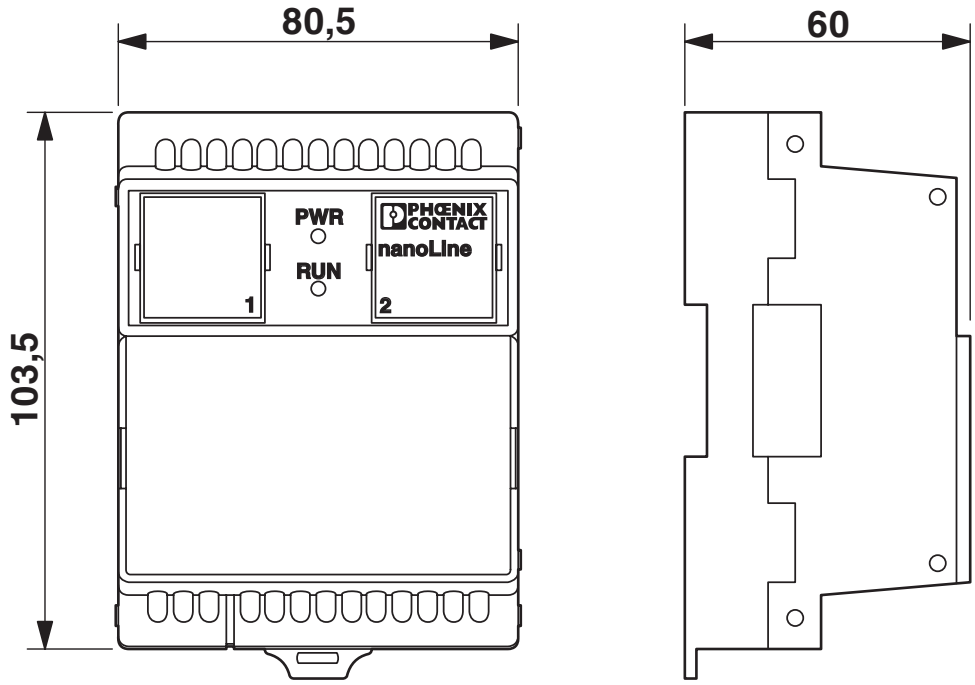
Permissible humidity (operation)	90 %
Permissible humidity (storage/transport)	90 %

Mounting

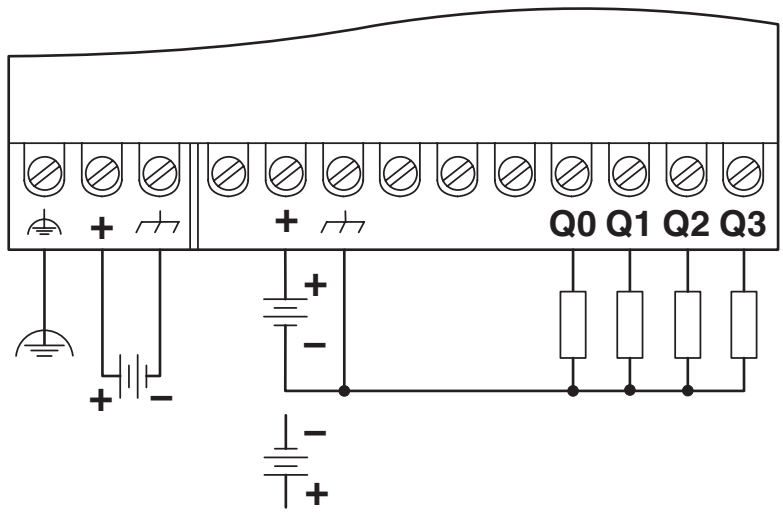
Mounting type	DIN rail mounting

Drawings

Dimensional drawing



Connection diagram



Classifications

UNSPSC

UNSPSC 21.0	39122329

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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