

Base unit - NLC-055-024D-08I-04QRD-05A - 2700464

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



24 V DC Nanoline base unit. Equipped with 8 digital inputs, 2 analog (0-10 V) 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.

Your advantages

- ✓ An operator panel can be integrated in the basic unit or installed remotely on a panel as an option
- ✓ Intuitive programming language with options for flowcharts and ladder diagrams
- ✓ Basic unit has integrated digital inputs, relay outputs, and analog inputs, including high-speed counters

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356576611

Technical data

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 %

Interfaces

Interface	Operator Panel
Connection method	RJ45/COMBICON
Interface	RS-232
Connection method	Slot 1

Base unit - NLC-055-024D-08I-04QRD-05A - 2700464

Technical data

Interfaces

Interface	USB
Connection method	Slot 1

Supply

Power supply connection	Screw connection
Supply voltage	24 V DC (Power available to the I/O and Communications modules)
Supply voltage range	19.2 V DC ... 30 V DC
Max. current consumption	250 mA
Typical current consumption	150 mA

Software interfaces

Programming tool	nanoNavigator 3 or above
------------------	--------------------------

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)
	70 µs (OFF)
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)

Digital outputs

Output name	Relay output
Output description	Relay output
Connection method	Screw connection
Number of outputs	4
Type of protection	External protection required
Nominal output voltage	24 V DC
Maximum output current per channel	5 A
Maximum output current per module / terminal block	20 A
Maximum output current per module	5 A
Nominal load, ohmic	600 W (@ 24 ohms)

Analog inputs

Description of the input	Analog input
Number of inputs	2
Connection technology	Screw connection
Resolution A/D	12 bit (monotonic)
Limit frequency (3 dB)	1 Hz (3 dB)
Type of protection	Transient voltage suppression

Base unit - NLC-055-024D-08I-04QRD-05A - 2700464

Technical data

Analog inputs

Measuring principle	Successive approximation
Voltage input signal	0 V DC ... 10 V DC
Input resistance of voltage input	20 kΩ
Input filter	Digital

Counter inputs

Number of inputs	2
Input frequency	6 kHz

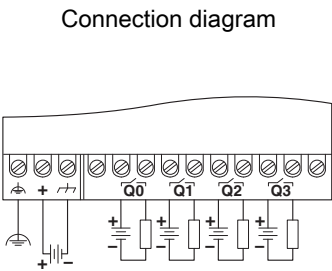
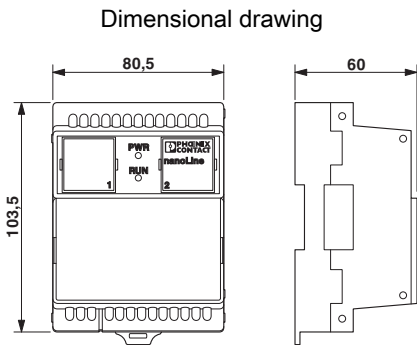
General

Mounting type	DIN rail mounting
---------------	-------------------

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings



Approvals

Approvals

Approvals

UL Listed / EAC / EAC

Ex Approvals

Approval details

Base unit - NLC-055-024D-08I-04QRD-05A - 2700464

Approvals

UL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 238705

EAC



EAC-Zulassung

EAC



RU *-
DE.A*30.B.00238

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phoenix Contact:

2700464