Base unit - NLC-050-100A-08I-04QRA-05A - 2701069

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)

100-240 V AC Nanoline base unit. Equipped with 8 digital input 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.

Product Features

- 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

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	1000.0 g
Custom tariff number	85371099
Country of origin	India

Technical data

Dimensions

Width	80.5 mm
Height	103.5 mm
Depth	60 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °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-050-100A-08I-04QRA-05A - 2701069

Technical data

Interfaces

Interface	USB
Connection method	Slot 1
Interface	Realtime Clock
Connection method	Slot 2

Supply

Power supply connection	Screw connection
Supply voltage	100 V AC
Supply voltage range	100 V AC ... 240 V AC
Typical current consumption	70 mA (@ 230 V AC)

Software interfaces

Programming tool	nanoNavigator 1 or 2

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
Input voltage range "0" signal	0 V AC ... 25 V AC
Input voltage range "1" signal	80 V AC ... 250 V AC
Nominal input current at U_{IN}	0.17 mA AC (On)

Digital outputs

Output name	Relay output
Output description	Relay output
Connection method	Screw connection
Number of outputs	4
Protective circuit	Short-circuit and overload protection
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)

General

Mounting type	DIN rail mounting

Base unit - NLC-050-100A-08I-04QRA-05A - 2701069

Classifications

eCl@ss

eCl@ss 4.0	27250315
eCl@ss 4.1	27250315
eCl@ss 5.0	27242216
eCl@ss 5.1	27242216
eCl@ss 6.0	27242216
eCl@ss 7.0	27242216
eCl@ss 8.0	27242216

ETIM

ETIM 2.0	EC001417
ETIM 3.0	EC001417
ETIM 4.0	EC001417
ETIM 5.0	EC001417

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

Approvals

UL Listed / EAC

Ex Approvals

Approvals submitted

Approval details

Base unit - NLC-050-100A-08I-04QRA-05A - 2701069

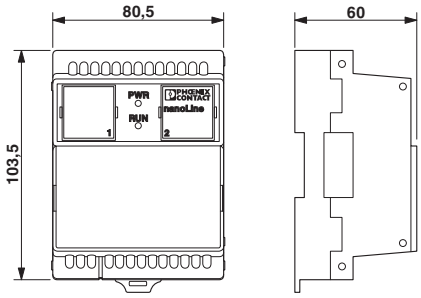
Approvals

UL Listed

EAC

Drawings

Dimensional drawing



Connection diagram