

Base unit - NLC-055-012D-08I-04QRD-05A - 2700486

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>)



12 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.



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	360.0 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 ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	90 %

Supply

Power supply connection	Screw connection
Supply voltage	12 V DC (Power available to the I/O and Communications modules)
Supply voltage range	9 V DC ... 15 V DC
Max. current consumption	400 mA
Typical current consumption	250 mA

Base unit - NLC-055-012D-08I-04QRD-05A - 2700486

Technical data

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) 40 µs (off)
Input voltage range "0" signal	0 V DC ... 5 V DC
Input voltage range "1" signal	10.2 V DC ... 14.4 V DC
Nominal input current at U _{IN}	3 mA DC (On)

Digital outputs

Output name	Relay output
Output description	Relay output
Connection method	Screw connection
Number of outputs	4
Protective circuit	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)

General

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

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

Base unit - NLC-055-012D-08I-04QRD-05A - 2700486

Classifications

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 / EAC

Ex Approvals

Approvals submitted

Approval details

UL Listed 

EAC

EAC

Drawings

Base unit - NLC-055-012D-08I-04QRD-05A - 2700486

Dimensional drawing

