



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

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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 GRM
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

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### Technical data

#### Software interfaces

Programming tool	nanoNavigator 3 or above
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#### 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
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### Classifications

#### eCl@ss

eCl@ss 4.0	27240101
eCl@ss 4.1	27240101
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

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### Classifications

#### ETIM

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

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Approvals

UL Listed

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Ex Approvals

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Approvals submitted

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#### Approval details

UL Listed 
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### Drawings

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

Dimensioned drawing

