



## AC → DC SWITCHING POWER SUPPLY

## NL1050D SERIES

All the patents are held accountable counterfeiting.

### Features



### Green Power

- Standard/Din Rail Mounting Dual Purpose
- No-load Consumption is lower than 0.3W
- Comply with High Efficiency Power 80Plus Criterion
- Comply with 2010. Energy Conservation Power Erp Regulation
- Convection cooled high reliability
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~200VDC

DIMENSIONS: 102(H)\*35(D)\*45(W)mm

WEIGHTS: 117g

### General specifications

#### INPUT

Input range

180~264VAC  
200~380VDC  
47~63Hz  
80A/220VAC

Input frequency

Inrush current (25°C)

No Frame Ground Design

#### OUTPUT

Hold-up time

Short protection

Over load protection

13ms

Autorecovery

Automatic power limited

### Detail specifications

#### 40~50 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) <sup>1</sup>			Ripple & Noise <sup>4</sup>	Line REG. <sup>2</sup>	Load REG. <sup>3</sup>	Efficiency <sup>5</sup>	O.V.P
		Min.	Rated	Max.					
NL1040D-12	V : +12V ±10%	0A	3.33A	3.33A	120mV	±1%	±1%	85% Ref.	17.1 ~ 18.9V
NL1050D-24	V : +24V ±10%	0A	2.1A	2.1A	240mV	±1%	±1%	87% Ref.	31.4 ~ 34.7V

Please Choose Fit Function, And Fill In The Blank With Suitable Words.

Order Model: NL1050D-24 ☐

Optional Function:

Terminal Block: " " : PCB Barrier Terminal Block ☐

"E" : Mini Terminal Block ☐

#### CE Standards

EN 55032, EN 55035,  
EN 61000-3-2, EN 61000-3-3,  
(EN 61000-4-2, EN 61000-4-3,  
EN 61000-4-4, EN 61000-4-5,  
EN 61000-4-6, EN 61000-4-8,  
EN 61000-4-11)  
LVD: EN 62368-1

#### Safety Standards



UL 508 APPROVAL



CE Marking



Double Insulated

#### Environments

Operating Temperature

Operating Humidity

Storage Temperature

Vibration

-15 ~ 50°C, Ambient

20 ~ 90% RH, No Condensing

-20 ~ 85°C, Ambient

2G, 10~500Hz, 3 axes

#### NOTE

1. Each output can provide up to maximum load, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 220VAC input.
4. Ripple & Noise are measured with 20MHz oscilloscope & a 47uF electrolytic capacitor parallel on the test point.
5. Efficiency is measured at rated load and 220VAC input.
6. Hold-up time is measured at rated load and 220VAC input.
7. With ● are CE approved but are NOT UL approved.
8. Output Voltage Adjustable is measured on 5% of rated load.
9. Reign Power reserve the right to change specifications at any time without notice.

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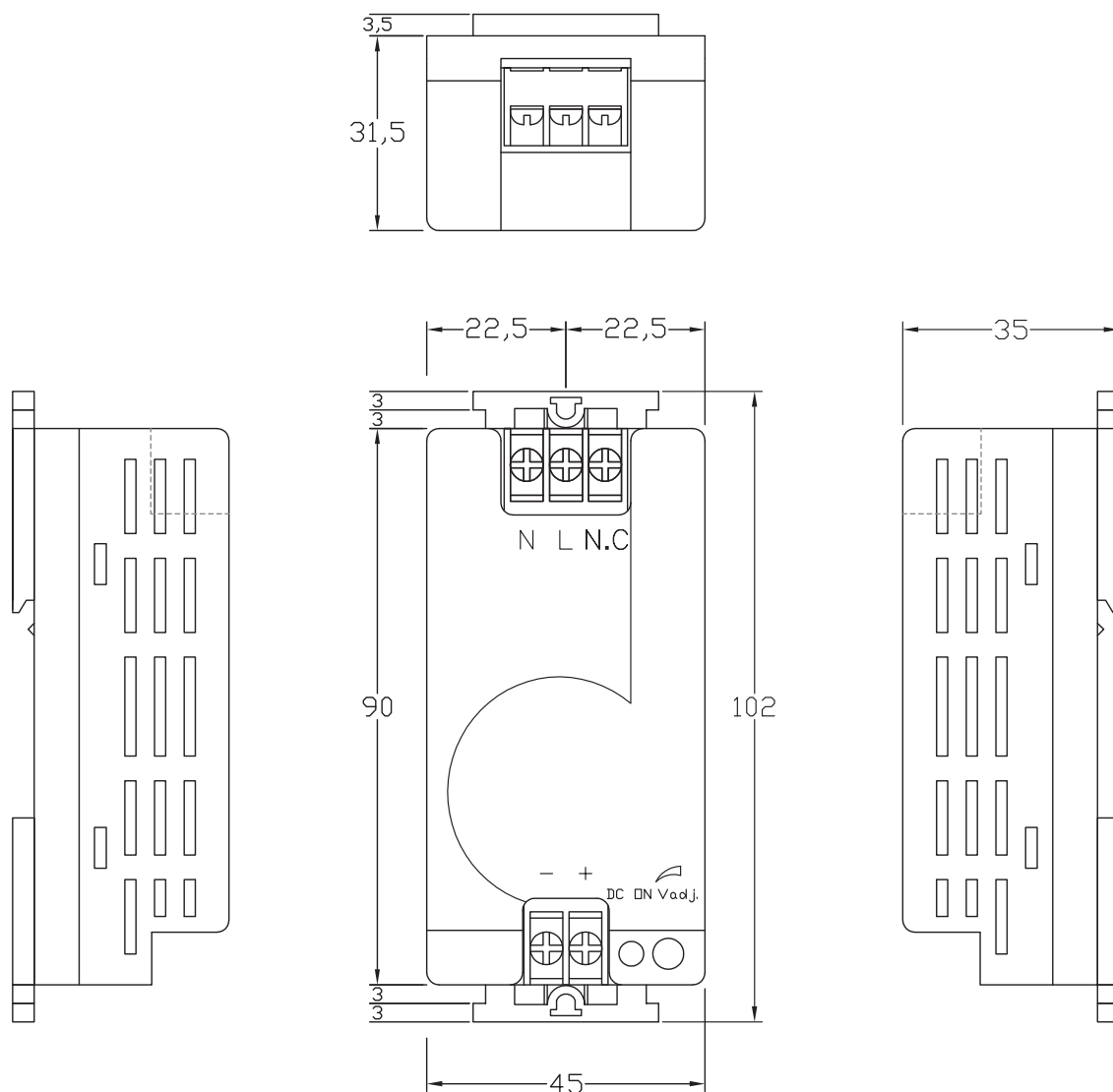


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## Mechanical Details



## Panel Designation

**CASE NO. : CS025D**

**UNIT : mm**

**DIMENSION : 102(H)\*35(D)\*45(W)**

**MATERIAL : PLASTIC**

**COLOR : GRAY**

Symbol	Description
N	Neutral Terminal Of AC Input (No Polarity At DC Input)
L	Line Terminal Of AC Input (No Polarity At DC Input)
N.C	No connection
-	DC Negative Output Terminal
+	DC Positive Output Terminal
DC ON	Blue LED Indicator
V adj.	Potentiometer For Output Voltage