

36W Enclosed Switching Power Supply, DC 12V 3A



Model: NPS-L112D-3A

Main Features:

- ✧ Wide AC input range: 90-264 VAC;
- ✧ LED indicator for power status;
- ✧ Cooling by free air convection;
- ✧ Short Circuit/Over-Voltage/Over-Current Protection.

Input

Input Range	90-264 VAC, 47-63 Hz
AC Current	≤ 0.72 A
Efficiency	≥ 85%
Inrush Current	cold start max. 30 A at 230 VAC
Leakage Current	≤ 0.5 mA

Output

Output Voltage	12 VDC (± 5%)
Rated Current	3 A
Line Regulation	± 3%
Load Regulation	± 5%
Ripple & Noise	≤ 120 mVp-p
Setup, Rise, Hold-up time	200ms, 50ms, 20ms

Environment

Operating Temperature	-20°C to 50°C
Operating Humidity	RH 10% to 96% (non-condensing)
Storage Temperature	-40°C to 80°C
Storage Humidity	RH 5% to 96% (non-condensing)
Altitude	-50m to 2000m (AMSL)

Safety

Protection	Over Current / Over Voltage / Short Circuit / Surge Protection(1 kV)
Withstand Voltage	I/P-O/P: 1.5 kVAC; I/P-FG: 1.5 kVAC; O/P-FG: 0.5 kVAC
Safety Standard	UL1012, UL60950-1, GB4943
EMC Standard	EN55022, EN61000-3-2 Class A

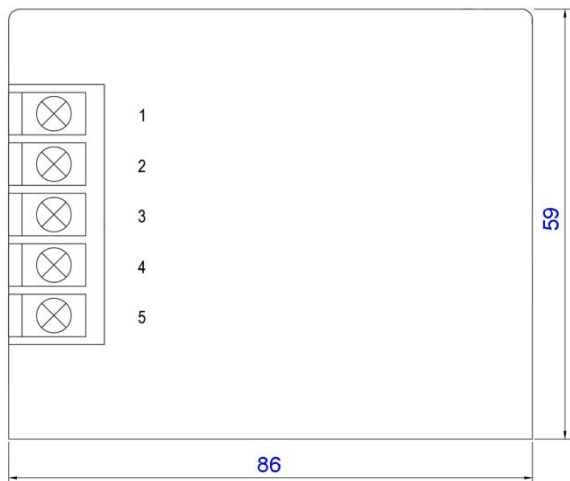
Reliability

Vibration	10~500 Hz sweep at shift gears for 20 mins for each axis(X, Y, Z) at 2G
MTBF	≥ 100,000 hours at 25°C with full load

General

Dimension	86x59x34 mm (LxWxH)
Net Weight	92 g
Gross Weight	105 g

Diagram Unit: mm



Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG \perp		