

GTICV100075-24V

75W CONSTANT VOLTAGE LED POWER SUPPLY

FEATURES:

- Constant voltage design
- Universal AC input / Full range
- Protections: Short circuit / Overcurrent / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- Fully encapsulated with IP67 level



SPECIFICATIONS

tc: 80°C **SELV**        **IP67**

OUTPUT

Dc voltage	24v
Rated current	3a
Current range	0 ÷ 3a
Rated power	72w
Line regulation	± 1%
Load regulation	± 2%
Voltage tolerance [3]	± 5%
Ripple & noise (max.) [2]	300mv _{p-p}
Setup, rise time [4]	500ms, 250ms at full load
Hold up time (typ.)	24ms / 115vac, 50ms / 230vac at full load

INPUT

Voltage range	90 ÷ 264vac
Frequency range	47 ÷ 63hz
Efficiency (typ.)	86%
Ac current (typ.)	1.6a/115vac, 0.8a / 230vac
Inrush current (typ.)	70a / 230vac, 35a / 115vac
Leakage current(max.)	0.25ma / 240vac

ENVIRONMENT

Working temperature	-30°C ÷ 70°C (Refer to Derating Curve)
Working humidity	20 ÷ 90% RH non-condensing
Storage temperature and humidity	-40°C ÷ 80°C, 10 ÷ 95% RH non-condensing
Temperature coefficient	± 0.03% / °C (0°C ÷ 50°C)
Vibration	10 ÷ 500Hz, 2G, 10min / cycle, period for 60min. each along X, Y, Z axes

SAFETY & EMC REGULATIONS

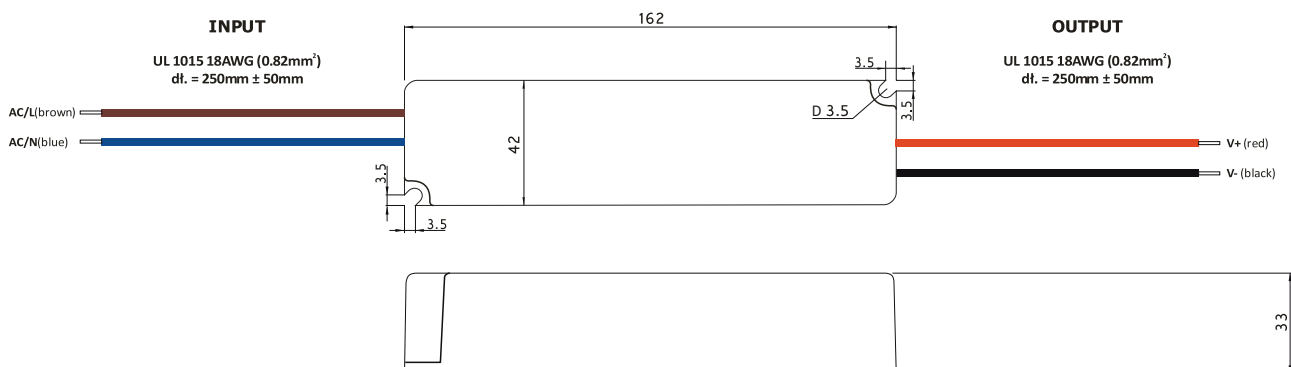
Safety standards	Compliance to EN61347-1, EN61347-2-13, IP67
Withstand voltage	I-P/O-P: 3kVAC
Isolation resistance	I-P/O-P; O-P/FG; I-P/FG: 100MΩ/500VDC/25°C/70%
Emc emission	Compliance to EN55015
Emc immunity	Compliance to EN61547; EN55024; EN61000-4-2, -3, -4, -5, -6, -8, -11
Harmonic current	Compliance to EN61000-3-3; EN61000-3-2

OTHERS

Dimensions	162 x 42 x 33mm
Weight and packing	0.38kg; 50pcs./box; box weight and dimensions: 20kg; 38.5 x 27.5 x 19.5cm

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment must be re-qualified to comply with EMC Directives.

MECHANICAL SPECIFICATIONS



DERATING CURVE

