

# 60Watt Single Output Switching LED Power Supply

## IZCXXX-060F-9067C-QA Series

### Product Overview

IZCXXX-060F-9067C-QA series are a range of RoHs compliant single output Constant Current power supplies, of a water proof design suitable for indoor and outdoor lighting applications. Built-in active Power Factor Correction.

### Applications

- LED Signs
- LED Strips and Tapes
- Outdoor LED Lighting
- Display Cases
- LED Down Lights and Office Lighting
- Retail and Entertainment Lighting



### Technical Features

- IP 67 Rating
- Compact Size
- Universal AC input/ Full Range
- Over current protection
- Built in Power Factor Correction function >0.9
- 100% Full Load Burn-In Test

### Product Options

ILS PART NUMBER	Output Voltage	Output Current	Power	LED Configuration (High Power)	Operating Temperature	Dimensions
IZC050-060F-9067C-QA	40-110V	500mA	60W	15-30	-10°C - 50°C	162X42.5X30mm
IZC105-060F-9067C-QA	30-60V	1050mA	60W	9-16	-10°C - 50°C	162X42.5X30mm
IZC140-060F-9067C-QA	21-42v	1400mA	60W	6-14	-10°C - 50°C	162X42.5X30mm

## Specification

### Output

- Voltage Tolerance  $\pm 3.0\%$
- Line Regulation  $\pm 1.0\%$
- Load Regulation  $\pm 2.0\%$
- Setup, Rise, Hold Up Time 500ms, 250ms, 50/230VAC 3000ms, 250/115ac at full load

### Input

- Voltage Range 100-240 VAC
- Frequency Range 47-63Hz
- Efficiency (Typ.) 85% full load
- Power Factor PF>0.9/230VAC PF>0.95/115VAC at full load
- AC Current 1.2A/100AC 0.6A/240AC
- Inrush Current (max.) Cold Start 70A/230VAC
- Leakage Current 0.5mA/240VAC

### Protect On

- Over Current Above 105% rated output power
- Over Temperature Tj 140°C typically (U1) Detect on main control

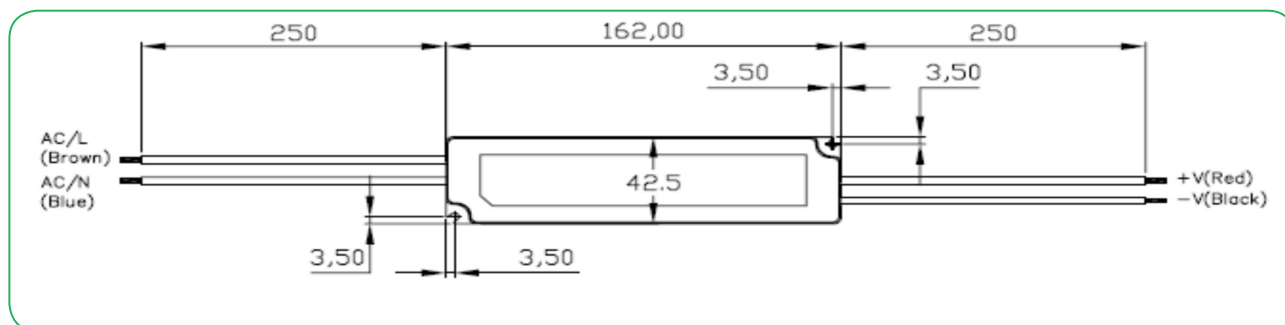
### Environment

- Working Temp. -10 - 50°C
- Working Humidity 20-90% RH non-condensing
- Storage Temp, Humidity -40 - 80°C (0-50°C)
- Vibration 10 - 500Hz, 2G 10min/cycle, period for 60min each along X,Y,Z axes

### Safety & EMC

- Safety Standards Design refer to UL1310 Class2, TUVEN60950-1, EN61347-2-13, CANCSA C22.2 No223-M91, meet IP67
- Withstand Voltage I/P-O/P: 3KVAC
- Isolation Resistance I/P-O/P: >100M ohms / 500VDC / 25-70% RH
- EMI Conduction & Radiation Compliance to EN55022 (CISPR22) Class B
- Harmonic Current Compliance to EN61000-3-2,-3
- EMS Immunity Compliance to EN61000-4-2,3,5,5,6,11:ENV50204, EN55024, light industry level, criteria A
- Dimensions 162\*42.5\*30mm (L\*W\*H)
- Weight 85g

## Technical Drawing



## RoHS Compliance

Our products comply with the European Directive 2002/95/EC, calling for the elimination of lead and other hazardous substances from electronic products.

## For further information please contact ILS

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.