

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

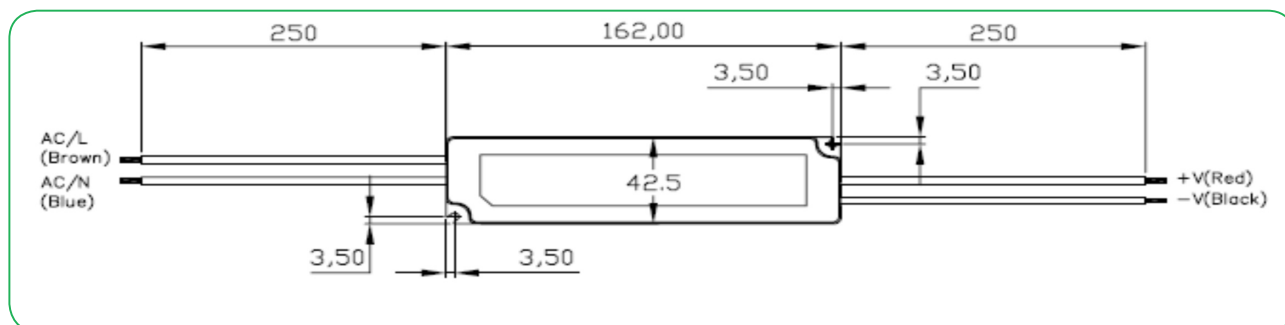
- Working Temp. -10 - 50°C
- Working Humidity 20-90% RH non-condensing
- Storage Temp, Humidity -40 - 80°C (0-50°C)
- Vibration 10 - 500Hz, 2G 10min/cycle, period for 60min each along X,Y,Z axes

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.