

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



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Specification

Output

Jipoi		
Voltage Tolerance	±3.0%	
Line Regulation	±1.0%	
Load Regulation	±2.0%	
Setup, Rise, Hold Up Time	500ms, 250ms, 50/230VAC 3000ms,250/115ac at full load	
put		
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 70A230VAC	
Leakage Current	0.5mA/240VAC	
otect On		
Over Current	Above 105% rated output power	
Over Temperature	Tj 140°C typically (U1) Detect on main control	
vironment		
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	
fety & 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)	
	Voltage Tolerance Line Regulation Load Regulation Setup, Rise, Hold Up Time put Voltage Range Frequency Range Efficiency (Typ.) Power Factor AC Current Inrush Current (max.) Leakage Current Over Current Over Current Over Temperature vironment Working Temp. Working Temp. Working Temp. Working Humidity Storage Temp, Humidity Vibration fety & EMC Safety Standards Withstand Voltage Isolation Resistance EMI Conduction & Radiation Harmonic Current EMS Immunity	

85g

Weight



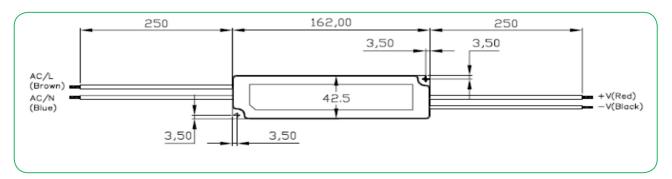
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Technical Drawing



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.



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