

40Watt Single Output Dimming LED Power Supply

IZC105-040A-9067A-QA Series

Product Overview

IZC105-040A-9067A-QA operates from a 100-240 Vac input range. This unit will provide up to a 1050mA of output current and a maximum output voltage of 40Vdc for 42W maximum of output power. It is designed to be highly efficient and highly reliable. There are 3 options for this unit (0-10V, PWM and Resistance). Features include Power Factor Correction and fully encapsulated to IP67, suitable for LED applications both indoor and out.

Applications

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



Technical Features

- Fully encapsulated IP67 rating
- Over current protection
- Build in high power factor correction >0.9
- 100% Full Load Burn-In Test
- Cooling in free air
- High reliability
- UL approved

Product Options

ILS PART NUMBER	Voltage	Current	Power	LED Config.	Operating Temperature	Dimensions
IZC105-040A-9067C-QA	24~40V	1050mA	42W	8-13	-30°C ~ 60°C	149X42X34mm

Specification

Output

- Voltage Tolerance $\pm 3.0\%$
- Line Regulation $\pm 1.0\%$
- Load Regulation $\pm 2.0\%$
- Setup, Rise Time 1000ms, 80ms / 230VAC 1000ms, 80ms / 115VAC at full load
- Hold Up Time 60ms / 230VAC 30ms / 115VAC at full load

Input

- Voltage Range 100 - 277VAC
- Frequency Range 47~63Hz
- Power Factor PF>0.95/230VAC PF>0.99/115VAC at full load PF ≥ 0.9 at 75 ~ 100% load, 115VAC / 230VAC
- Efficiency 88%
- AC Current 0.65A / 115VAC 0.35A / 230VAC
- Inrush Current COLD START 65A/230VAC
- Leakage Current <2mA / 240VAC

Protect On

- Over current 95 ~ 108% Constant current limiting, recovers automatically after fault condition is removed
- Short Circuit Hiccup mode, recovers automatically after fault condition is removed
- Over Voltage 50-60V Shut down o/p voltage, re-power on to recover
- Over Temperature Tj 140 °C typically(IC1) Detect on main control IC

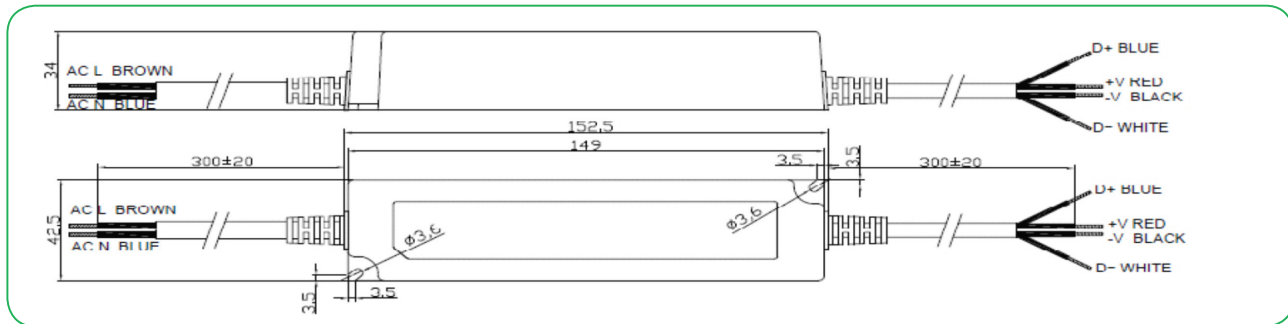
Environment

- Working Temp -30 ~ +60 °C @ full load ; +90 °C @ 60% load
- Working Humidity 20~95% RH non-condensing
- Storage Temp, Humidity -40~80 °C, 10~95% RH
- Temp Coefficient $\pm 0.03\%/^{\circ}\text{C}$ (0~50 °C)
- Vibration 10 ~ 500Hz, 5G 12min./1 cycle, period for 72min. each along X, Y, Z axes

Safety & EMC

- Safety Standards Design refer to UL1310 Class 2,TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91
- Withstand Voltage I/P-O/P:3.0KVAC
- Isolation Resistance I/P-O/P:>100M Ohms / 500VDC / 25~70% RH
- EMI Conduction & Radiation Compliance to EN55015, EN55022 (CISPR22) Class B
- Harmonic Current Compliance to EN61000-3-2 Class C ($\geq 75\%$ load) ; EN61000-3-3
- EMS Immunity Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, EN61547, criteria A

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.