Constant Voltage LED Power Supply- Class 2

ACV2125-120-277V

Overview

Designed for versatility and efficiency, the Allanson ACV2125-120-277V Constant Voltage LED Power Supply provides dual-channel 12V DC output with a total power capacity of 120W. Operating on a universal 120–277V AC input, this driver is certified to UL Class 2, Class P, and CSA standards, ensuring safe and reliable performance. With integrated safeguards against electrical and thermal faults, and suitability for both dry and damp environments, it offers long-lasting dependability for a broad range of LED lighting applications.

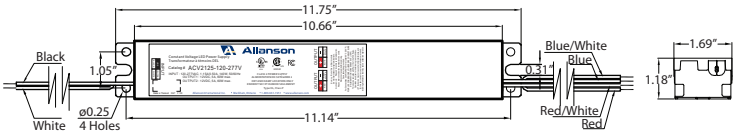
Explore

Where to Buy

Features

- Dual-channel constant voltage 12V DC output
- Universal input range: 120-277V AC
- Protection against over-voltage, over-current, short-circuit, and over-temperature
- Compatible with all 12V DC LED lighting products
- Safe for use in dry and damp environments
- Backed by a 5-year warranty

Dimensions



Specifications

Part Number	ACV2125-120-277V
Output Channel	2
Output Voltage	12V DC
Output Current	5.0A X 2
Max. Output Power	120W
Input Voltage	120-277V AC
Input Frequency	50/60Hz
Power Factor	HPF >0.95 @120-277V
Max Input Current	1.15A @120V / 0.50A @277V
Efficiency at Full Load	86.0% @120V / 88.5% @277V
Safety Standard	UL8750, Class 2, Class P, Type HL,CSA
Protective Characteristics	Over- voltage / Over- current/ Short- circuit/ Over- temperature
EMC	FCC 47CFR Part 15, Subpart B, Class A
Surge Protection	L-N and L-G, N-G, L&N-G, ANSI C62.41-Category A1 with a 2.5kV/100kA ring wave
UL Environmental Suitability	Dry and damp locations
Operating Temperature	-40°C ~ 55°C / -40°F ~ 131°F
Storage Temperature	-40°C ~ 85°C / -40°F ~ 185°F
Operating Relative Humidity	10% to 90% non- condensing
Storage Relative Humidity	5% to 95% non- condensing
Net Weight	1.59lbs / 0.72kg
Dimensions (LxWxH)	11.75" x 1.69" x 1.18" / 298.5mm x 43.0mm x 30.0mm
Warranty	5 Years

Installation & Operating Instructions

- Do not install with power connected or during an electrical disturbance.
- Ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.
- Power supply operates at high temperatures. To avoid injury, do not touch while in use. Do not overload the power supply.
- Ensure the power supply position has sufficient airflow. Operating temperature must be within the temperature limit mentioned above.
- In the end application, the maximum case temperature (Tc) shall not be exceeded 90°C.
- All connection must be performed in accordance with NEC and local electrical codes.

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