ADLS-40 series

40W Enclosed Type Switching Power Supply

■ Features:

- *Constant voltage design*
- *Universal AC input / Full range*
- *Protections: Short circuit / Overload*
- *Cooling by free air convection*
- *Low price*

SELV equivalent

MECHANICAL SPECIFICATION

MODEL	ADLS-40-12	ADLS-40-24
OUTPUT		
Rated Voltage	12V	24V
Rated Current	3A	1.7A
Rated Power	36W	40.8W
Line Regulation	± 1%	
Load Regulation	± 2%	
Tolerance [3]	± 5%	
Ripple & Noise (max.) [2]	1200mV$_{P-P}$	1400mV$_{P-P}$
Setup, Rise Time [4]	800ms, 15ms / 230VAC at full load	
Hold up Time	40ms / 230VAC at full load	
INPUT		
Voltage Range	90 ÷ 264VAC	
Frequency Range	47 ÷ 63Hz	
Efficiency (typ.)	86%	
AC Current (typ.)	0.70A / 115VAC, 0.32A / 230VAC	
PROTECTIONS		
Overload	Range: 105 ÷ 150% of rated current	
	Type: hiccup mode, auto-recovery.	
Short Circuit	Type: hiccup mode, auto-recovery.	

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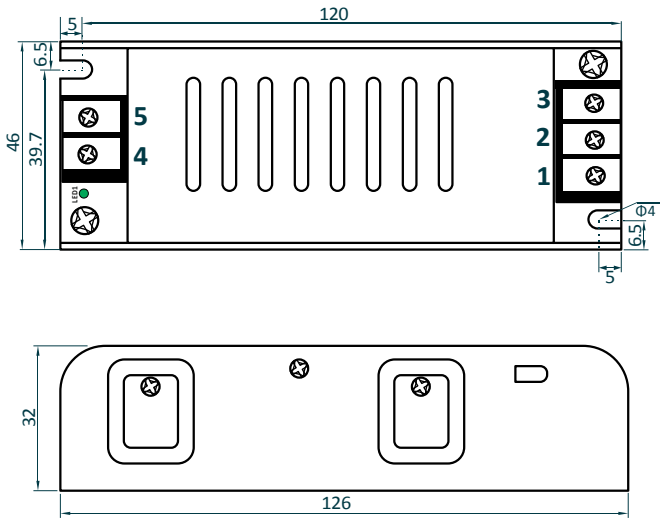
WORKING ENVIRONMENT	
Working Temperature	-20°C ÷ 50°C (Refer to Derating Curve)
Working Humidity	20 ÷ 80% RH non-condensing
Storage Temperature and Humidity	-40°C ÷ 80°C, 10 ÷ 95% RH non-condensing
SAFETY AND EMC REGULATIONS	
Safety Standards	Compliance to EN61347-1, EN61347-2-13, IP67
Withstand Voltage	I-P/O-P: 1.5kVAC; I-P/GND: 1.5kVAC; O-P/GND: 0.5kVAC
EMC Emission	Compliance to EN55015
EMC Immunity	Compliance to EN61547
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2
OTHERS	
Lifetime	12 000Hrs for input 230VAC, 20°C ambient temperature, full load
Dimensions	120 x 46 x 32mm (L x W x H)
Weight and Packing	0.17kg; 100pcs./ctn; ctn weight and dimensions: 16.9kg; 46 x 39.3 x 27cm
EAN Code	5 902135 124543 / 5 902135 124604

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

MECHANICAL SPECIFICATION



TERMINAL PIN NO. ASSIGNMENT

PIN No.	Assignment	PIN No.	Assignment
1	Input: AC/L	4	Output: -V
2	Input: AC/N	5	Output: +V
3	Frame Ground: GND	LED1	Power On indicatior

DERATING CURVE