Constant Voltage LED Power Supply

SLT80-24VLG-E



Product description:

This type of power supply is an exclusively designed stabilized power supply for LED lamp. With constant voltage (CV) technology, it is suitable for constant voltage lamps (24VDC) connected in parallels.

The built-in protection circuit will shut down the power supply in case of such faults as: short circuit, over load or over temperature. The power supply will restart automatically after fault correction.



Standards:

EN61347-1

EN61347-2-13

EN61547

EN55015

EN61000-3-2

EN61000-3-3

EN62384

EN62493

EN60335-1

EN60335-2-24

EN60335-2-89

Characteristics:

- Independent power supply for constant voltage LED
- Terminal block input, terminal block

 Class II protection against electric shock from direct and
- indirect contact SELV output
- Open circuit, short circuit, over load and over
- temperature protection
 Auto restart after fault conditions removal
- No load power consumption≤0.5W
- Efficiency: 89% (AC230V, full load)

Official version

Last update: 12 Aug, 2022

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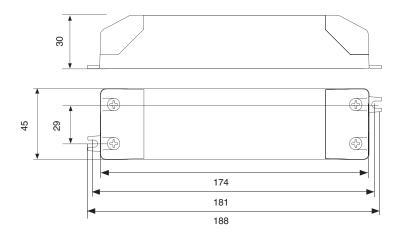


Specifications:

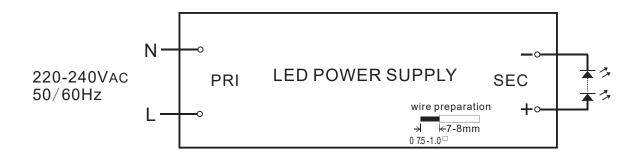
Model		SLT80-24VLG-E					
	turn on time(S)	≤0.5					
Output	output power(W)	80					
	output votage(V)	24					
	output voltage tolerance ⁰	+/-5%					
	ripple voltage(mV)	600(Vp-p)					
	working current range(A)	0-3.34					
	dimming interface	No					
	dimming range	n/a					
	rated supply voltage(Vac)	220-240					
	voltage range(Vac)	198-264					
	line frequency(Hz)	50/60					
Input	input current(mA)	400					
	efficiency 2	89%					
	average efficiency 6	87%					
	no load power consumption(W)	≤0.5					
	power factor ²	0.95					
	inrush current(lpk)	35A/250us					
Protection	over voltage protection	-					
	short circuit protection	YES					
	over temperature protection	YES					
	automatic restart	YES					
	over load protection	YES					
	surge capacity	L-N: 1KV					
	Ta(℃)	-2040@0-80W,-2045@0-75W					
	Tc max.(˚C)	90					
Ambient	Storage Temperature(℃)	-3080					
and Life	ambient humidity range	5%85%, Not condensing					
	nominal life-time(hrs)	50000@Ta=40°C					
Other	weight(g)	280					
	dimensions (L×W×H)(mm)	181x45x30					
	casing material	Plastic					
	housing colour	Grey+Blue					
	type of protection	IP20					
	protection class	ClassII					
Note	1. Tolerance:includes set up tolerance, line regulation and load regulation. 2. Tested at full load,230Vac.Refer to "Power Factor" and ""EFFICIENT" curve graphs. 3. Calculate the model's average efficiency for each test voltage by testing at 100%, 75%, 50%, and 25% of rated current and then computing the simple arithmetic erage of these four values. 4. All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 of ambient temperature. 5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.						



Dimensions(mm):



Wiring diagram:





MCBS information:

Miniature circuit breaker Model Model	B10	B13	B16	B20	C10	C13	C16	C20
SLT80-24VLG-E	4	5	7	9	7	10	12	15

Order information:

Order.No.	Model	Carton quantity(pcs)	Carton dimension(mm)	G.W./CTN(kg)
1001-610232-0130	SLT80-24VLG-E	30	455x255x270	9.8

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