Constant Current LED Power Supply

SLT20-350IF-2S SLT20-700IF-2S





Product description:

This type of power supply is an exclusively designed stabilized power supply for LED lamp. With constant current (CC) technology, it is suitable for constant current lamps(350/700mA) connected in a series.

The built-in protection circuit will shut down the power supply in case of such faults as: open circuit, 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

Characteristics:

- Independent power supply for constant current LED lamp
- Special design screw terminal for field connection
- Mini DC socket at the secondary side for quick connection
- 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
- Efficiency ≥80% (AC230V,full load)



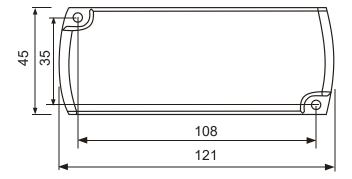
Specifications:

Turn on time(S) S0.5 S0.5 S0.5	Model		SLT20-350IF-2S	SLT20-700IF-2S
Output output current (%) #/-5% #/-5% ripple current(%) 3% 3% working voltage range(V) 6-56 6-29 Max. output voltage(V) 59 40 dimming interface No dimming range n/a rated supply voltage(Vac) 220-240 220-240 voltage range(Vac) 198-264 198-264 line frequency(Hz) 50/60 50/60 Input current(mA) 130 130 efficiency ≥80%@full load ≥7%@full load power factor ≥0.85C ≥0.85C inrush current(lpk) pending pending over voltage protection YES YES short circuit protection YES YES over temperature protection YES YES automatic restart YES YES over load protection YES YES surge capacity L-N: 500V L-N: 500V Tc max (C) 90 Ambient humidity range 5%85%,	Output	turn on time(S)	≤0.5	≤0.5
Protection Pro		output current(mA)	350	700
Working voltage range(V) 6-56 6-29		output current tolerance ⁰	+/-5%	+/-5%
Max. output voltage(v) 59		ripple current(%)	3%	3%
dimming interface No		working voltage range(V)	6-56	6-29
dimming range		Max. output voltage(V)	59	40
rated supply voltage(Vac) 220-240 220-240 voltage range(Vac) 198-264 198-264 line frequency(Hz) 50/60 50/60 input current(mA) 130 130 efficiency		dimming interface	No	
voltage range(Vac) 198-264 198-264 198-264 line frequency(Hz) 50/60 50/60 input current(mA) 130 130 efficiency ○ ≥80%@full load ≥79%@full load power factor ○ ≥0.85C ≥0.85C inrush current(lpk) pending pending over voltage protection YES YES short circuit protection YES YES over load protection YES YES over load protection YES YES surge capacity L-N: 500V L-N: 500V Ta(C) -2045 Tc max. (C) 90 Ambient and Life Tc max. (C) 90 Storage Temperature(C) -3085 ambient humidity range 5%85%, Not condensing nominal life-time(hrs) 30000 weight(g) pending dimensions (LxWxH)(mm) 121x45x16 casing material Plostic housing colour White+Blue		dimming range	n/a	
Input Input Input Input current(mA) 130 1	Input	rated supply voltage(Vac)	220-240	220-240
Input		voltage range(Vac)	198-264	198-264
efficiency ≥80%@full load ≥79%@full load ≥0.85C ≥0.85C ≥0.85C		line frequency(Hz)	50/60	50/60
power factor ≥0.85C ≥0.85C ≥0.85C inrush current(ipk) pending pending over voltage protection YES YES short circuit protection YES YES over temperature protection YES YES automatic restart YES YES over load protection YES YES surge capacity L-N: 500V L-N: 500V Ta(C) 70 70 Tc max. (*C) 90 Ambient and Life Storage Temperature(*C) 3085 ambient humidity range 5%85%, Not condensing nominal life-time(hrs) 30000 weight(g) pending dimensions (LxWxH)(mm) 121x45x16 casing material Plostic housing colour White+Blue		input current(mA)	130	130
Inrush current(lpk) over voltage protection Protecti		efficiency ²	≥80%@full load	≥79%@full load
Protection YES YES short circuit protection YES YES over temperature protection YES YES automatic restart YES YES over load protection YES YES surge capacity L-N: 500V L-N: 500V Ta(C) -2045 Tc max. (C) 90 Storage Temperature(C) -3085 Not condensing nominal life-time(hrs) 30000 weight(g) pending dimensions (LxWxH)(mm) 121x45x16 casing material Plastic housing colour White+Blue		power factor 🥝	≥0.85C	≥0.85C
Short circuit protection YES YES		inrush current(lpk)	pending	pending
Other Protection Protection YES YES YES	Protection	over voltage protection	YES	YES
Protection automatic restart YES YES YES		short circuit protection	YES	YES
automatic restart YES		over temperature protection	YES	YES
Surge capacity		automatic restart	YES	YES
Ta(C)		over load protection	YES	YES
Tc max. (°C) 90		surge capacity	L-N: 500V	L-N: 500V
Ambient and Life Storage Temperature(°C)		Ta(℃)	-2045	
and Life ambient humidity range 5%85%, Not condensing nominal life-time(hrs) 30000 weight(g) pending dimensions (LxWxH)(mm) 121x45x16 casing material Plastic housing colour White+Blue		Tc max. (℃)	90	
ambient humidity range 5%85%, Not condensing		Storage Temperature (°C)	-3085	
weight(g) pending dimensions (LxWxH)(mm) 121x45x16 casing material Plastic housing colour White+Blue		ambient humidity range	5%85%, Not condensing	
dimensions (LxWxH)(mm) 121x45x16 casing material Plastic housing colour White+Blue		nominal life-time(hrs)	30000	
Other casing material Plastic housing colour White+Blue	Other	weight(g)	pending	
Other housing colour White+Blue		dimensions (L×W×H)(mm)	121x45x16	
housing colour White+Blue		casing material	Plastic	
type of protection IP20		housing colour	White+Blue	
		type of protection		
protection class ClassII		protection class	ClassII	
temperature. 4.The power supply is considered as a component that will be operated in combination with final equipment. Sin	Note	2.Tested at full load,230Vac.Refer to "Power Factor" and "EFFICIENT" curve graphs. 3.All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 of ambient temperature. 4.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		

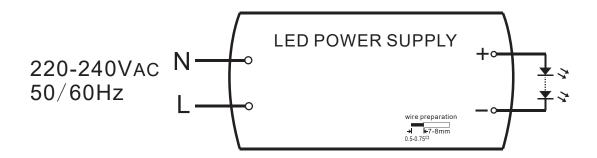


Dimensions(mm):





Wiring diagram:





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^{*}Due to continuous improvements and innovations, specifications are subjected to change without notice.