Constant Current LED Power Supply





Product description:

This series was designed for compromise between an attractive price and high performance, which meets SELV standard of preventing electric shock. Protection of open circuit, short circuit, over load and over temperature increased safety in processing. Low standby power consumption complies with ERP directives. Optimized electric circuit design brings cost-effectiveness.

Standards:

EN61347-1

EN61347-2-13

EN61547

EN55015

EN61000-3-2

EN61000-3-3

EN62384

EN62493

Characteristics:

- Small size
- Build-in power supply for constant current LED lamp
- Class II protection against electric shock from direct and indirect contact
- SELV output(<60V)
- Fast start-up time ≤0.5s
- Open circuit, short circuit, over load and over temperature protection
- Auto restart after fault conditions removal
- Efficiency 72% (AC230V,full load)
- Eco design, comply with ERP directives

Last update: 28 May, 2015

Page: 1 of 5



Specifications:

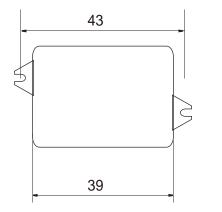
Tum on time(S)	Model		SLT3-350IS-1s	SLT3-700IS-1s
Output current tolerance	Output	turn on time(S)	≤0.5	≤0.5
Protection Pr		output current(mA)	350	700
Max. output voltage range(V) 4-9 2-4.2		output current tolerance	+/-8%	+/-8%
Max. output voltage(V) 12 6		ripple current(mA)	100(lp-p)	200(lp-p)
Imput Impu		working voltage range(V)	4-9	2-4.2
Imput		Max. output voltage(V)	12	6
rated supply voltage(Vac) 220-240 220-240 220-240 voltage range(Vac) 198-264 198-2		dimming interface	No	
voltage range(Vac) 198-264 198-264 198-264 198-264 198-264 198-264 198-264 198-264 198-264 198-264 1998-264 1		dimming range	n/a	
line frequency(Hz) 50/60 50/60	Input	rated supply voltage(Vac)	220-240	220-240
Input Input urrent(mA)		voltage range(Vac)	198-264	198-264
efficiency 72.0% 67.0% power factor 0.0.50 0.50 inrush current(lpk) 18A/35us 18A/35us over voltage protection YES YES short circuit protection YES YES over load protection YES YES over load protection YES YES automatic restart YES YES over load protection YES YES over load protection YES YES Ta(C) 75 85 Ta(C) 75 85 Storage Temperature(C) 75 85 Storage Temperature(C) 30000@Tc=70 30000@Tc=85 C weight(g) 30 dimensions (LxWxH)(mm) 50×30×20 casing material Ploatic housing colour White type of protection lies set up tolerance, line regulation and load regulation. 2. Tested at full load 230Vac.Refer to Power Factor' and "EFFICIENT"curve graphs. 3. All pacemeters Not specially mentioned are measured at nominal voltage input, rated load. 25 of ambient temperature and no dimmer. 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		line frequency(Hz)	50/60	50/60
power factor ● 0.50 0.50 Inrush current(lpk) 18A/35us 18A/35us over voltage protection YES YES short circuit protection YES YES over temperature protection YES YES over load protection YES YES automatic restart YES YES over load protection YES YES Ta(C) 75 85 To max. (C) 75 85 Storage Temperature(C) 30:000@Tc=70 C 30:000@Tc=85 C weight(g) 30 dimensions (LxWxH)(mm) 50×30×20 casing material Plastic housing colour White type of protection class CLASS II 1. Tolerance: includes set up tolerance, line regulation and load regulation. Note Note Note Note Protection Sirve 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-quality		input current(mA)	50	50
Inrush current((pk) 18A/35us 18A/35us 18A/35us		efficiency 6	72.0%	67.0%
Protection Protection Protection Protection Protection Protection Ambient and Life Ambient and Life Other Other Note Ta (C)		power factor ³	0.50	0.50
short circuit protection short circuit protection ver temperature protection automatic restart vers ver load protection yes yes yes yes yes yes yes ye		inrush current(lpk)	18A/35us	18A/35us
Protection over temperature protection automatic restart yES yES yES over load protection surge capacity Ta(C) To max. (C) Storage Temperature(C) ambient humidity range nominal life-time(hrs) ouelpht(g) dimensions (LxWxH)(mm) casing material housing colour type of protection protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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-equalify	Protection	over voltage protection	YES	YES
Protection automatic restart YES YES over load protection YES YES surge capacity L-N: 500V L-N: 500V Ta(C) -2045 Tc max. (C) 75 absolute Tc max. (C) 75 absolute Tc max. (C) 30000@Tc=70 C 30000@Tc=85 C weight(g) 30 dimensions (LxWxH)(mm) 50x30x20 casing material Plastic housing colour White type of protection IP20 protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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 manufactures must re-qualify		short circuit protection	YES	YES
automatic restart ves yes over load protection YES YES YES surge capacity L-N: 500V L-N: 500V Ta(C) 75 85 Storage Temperature(C) ambient humidity range swight(g) dimensions (LxWxH)(mm) casing material housing colour type of protection protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		over temperature protection	YES	YES
Surge capacity Ta(C) -2045 To max. (C) Storage Temperature(C) ambient humidity range nominal life-time(hrs) Storage Temperature(C) 30'000@Tc=70 C 30'000@Tc=85 C weight(g) dimensions (LxWxH)(mm) 50×30×20 casing material housing colour type of protection protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		automatic restart	YES	YES
Ta(C) -2045 -2045 To max. (C) 75 85 Storage Temperature(C) -3080 ambient humidity range 5%85%RH, Not condensing nominal life-time(hrs) 30'000@Tc=70 C 30'000@Tc=85 C weight(g) 30 dimensions (LxWxH)(mm) 50×30×20 casing material Plastic housing colour White type of protection IP20 protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		over load protection	YES	YES
To max. (C) To max. (C) Storage Temperature(C) ambient humidity range nominal life-time(hrs) Weight(g) dimensions (LxWxH)(mm) casing material housing colour type of protection protection class 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		surge capacity	L-N: 500V	L-N: 500V
Ambient and Life Storage Temperature(°C) ambient humidity range nominal life-time(hrs) weight(g) dimensions (L×W×H)(mm) casing material housing colour type of protection protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		Ta(℃)	-2045	-2045
and Life ambient humidity range nominal life-time(hrs) weight(g) dimensions (LxWxH)(mm) casing material housing colour type of protection protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		Tc max. (℃)	75	85
Ambient humidity range nominal life-time(hrs) 30'000@Tc=70'C 30'000@Tc=85 C weight(g) 30 dimensions (LxWxH)(mm) 50×30×20 casing material housing colour type of protection protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		Storage Temperature(℃)	-3080	
Weight(g) dimensions (LxWxH)(mm) 50×30×20 casing material Plastic housing colour White type of protection IP20 protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		ambient humidity range	5%85%RH, Not condensing	
dimensions (LxWxH)(mm) casing material Plastic housing colour type of protection protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		nominal life-time(hrs)	30'000@Tc=70°C	30'000@Tc=85°C
Casing material Plastic Note Casing material Plastic White type of protection IP20 Protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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	Other	weight(g)	30	
housing colour Treatment		dimensions (L×W×H)(mm)	50×30×20	
housing colour type of protection protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		casing material	Plastic	
protection class CLASS II 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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		housing colour	White	
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. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, 25 of ambient temperature and no dimmer. 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		type of protection	IP20	
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, 25 of ambient temperature and no dimmer. 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		protection class	CLASS II	
	Note	 Tested at full load,230Vac.Refer to "Power Factor" and "EFFICIENT" curve graphs. All parameters NOT specially mentioned are measured at nominal voltage input, rated load, of ambient temperature and no dimmer. 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 		

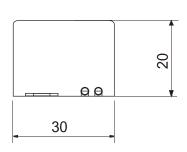
Last update: 28 May, 2015

Page: 2 of 5

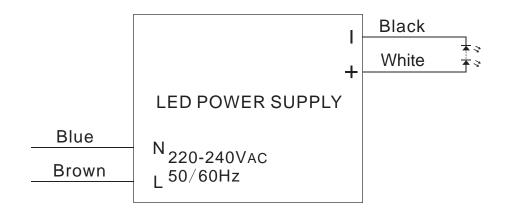


Dimensions(mm/inches):





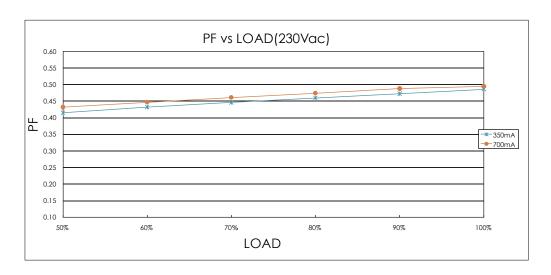
Wiring diagram:





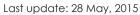
Last update: 28 May, 2015 Page: 3 of 5

Electrical curves:





note
For constant current power supply,"LOAD" means the percentage of the maximum rated output voltage.
For constant voltage power supply,"LOAD" means the percentage of the maximum rated output current.



Page: 4 of 5



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Last update: 28 May, 2015

Page: 5 of 5

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