LED POWER SUPPLY DATASHEET

SNP30-24VFP

·DESCRIPTION

IP44 LED drivers,helpful for bathroom and kitchen lighting, SELV. short circuit,overload and over temperature protection.Compliance to ERP directive,lifetime 30,000hrs.

·Input

Items	Conditions	Request	Note
Input voltage	Ta	200-240Vac	--
Input frequency		50/60Hz	--
Input current	25℃,rated input voltage, output with max. rated power	＜0.22A	--
Input power		＜37W	--
efficiency		⩾85%	--
Standby	25℃,rated input voltage, output without load	＜0.5W	average
Inrush current	25℃,rated input voltage	＜60A	peak
PF	25℃,rated input voltage, output max. rated power	⩾0.90	--

·Output

Items	Conditions	Request	Note
Startup time	25℃, rated input voltage,output with max. rated power	<0.5s	--
Output voltage and precisio	Ta , rated input voltage, output with rated power	24V±5%	--
Output current range	Ta ,rated input voltage	0-1.25A	
Output voltage wave	25℃, rated input voltage,output with max. rated power	240mV	Vp-p
Output overload	25℃,rated input voltage,output with 2 times LED load	Yes	--
Output current and precisio	Ta , rated input voltage, output with rated power	--	--
Rated output voltage range	Ta , rated input voltage,	--	--
Output current wave	25℃, rated input voltage,output with max. rated power	--	Ip-p
Dimming mode	--	--	--
Dimming range	--	--	--

·Temperate and others

Item	Conditions	Request	Note
Operation temp.	--	-20-45℃	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	80℃	＜80℃
Lifetime	Max.Ta,rated input voltage,output with max.rated power	30,000hr	--
Working noise	25℃,rated input voltage,output with rated power ,mute box background noise<35dB,pickup 10cm distance from products	<35dB	--

·Mechanical, mounting

Items	Conditions
Case material and size	Plastic
Mounting ways	Independent
Insulation type	Class II
IP grade	IP44
Input cables dimension	H05VVH2-F 2x1.0mm2
Output cables dimension	H03VVH2-F 2x0.75mm2
Output cables length	15cm

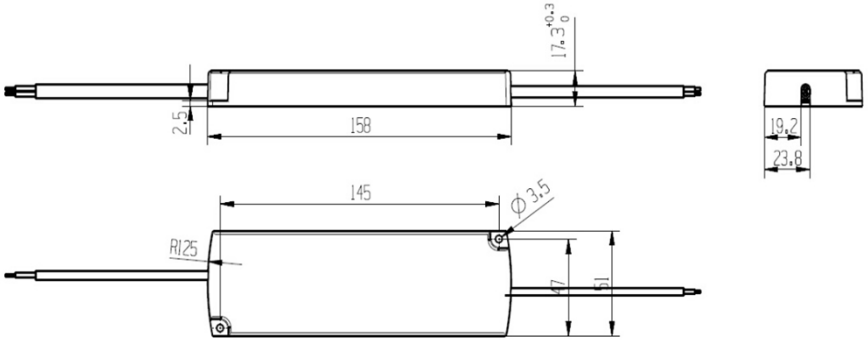
·Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta ,0.94-1.06 times of input voltage, 1.2 times of rated power	yes	--
Short circuit	Ta ,0.94-1.06 times of input voltage	yes	--
Over temperature	IC detect temperature	--	--
Over voltage	Ta ,0.94-1.06 times of input voltage,output voltage is 1.5 times of rated one	--	--
Auto recovery	Over load, short circuit and over heat protection revocation	yes	--
Latch off	Over heat re-start after cut off	--	--

·Standard

Items	Conditions
Safety	IEC61347-1、IEC61347-2-13
Harmonic	IEC61000-3-2
EMI	IEC55015
EMS	IEC61547

Dimensions(mm)



Wiring Diagram