LED POWER SUPPLY DATASHEET

SE60-24VL

·DESCRIPTION

High Cost Performance,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	＜0.5A	--
Input power		＜70W	--
Efficiency		⩾85 %	--
Standby	25℃, rated input voltage, output without load	＜0.21W	average
Inrush current	25℃, rated input voltage	＜75A	peak
PF	25℃, rated input voltage, output max. rated power	⩾0.9	--

·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	0-2.5A	
Output voltage wave	25℃, rated input voltage, output with max. rated power	150mV	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

Items	Conditions	Request	Note
Operation temp.	--	-20-45℃	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	90℃	--
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.	yes	--

·Mechanical, mounting

Items	Conditions
Case material and size	Plastic case
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H03VVH2-F 2X0.75mm^2
Output cables dimension	H03VVH2-F 2X0.75mm^2
Output cables length	--

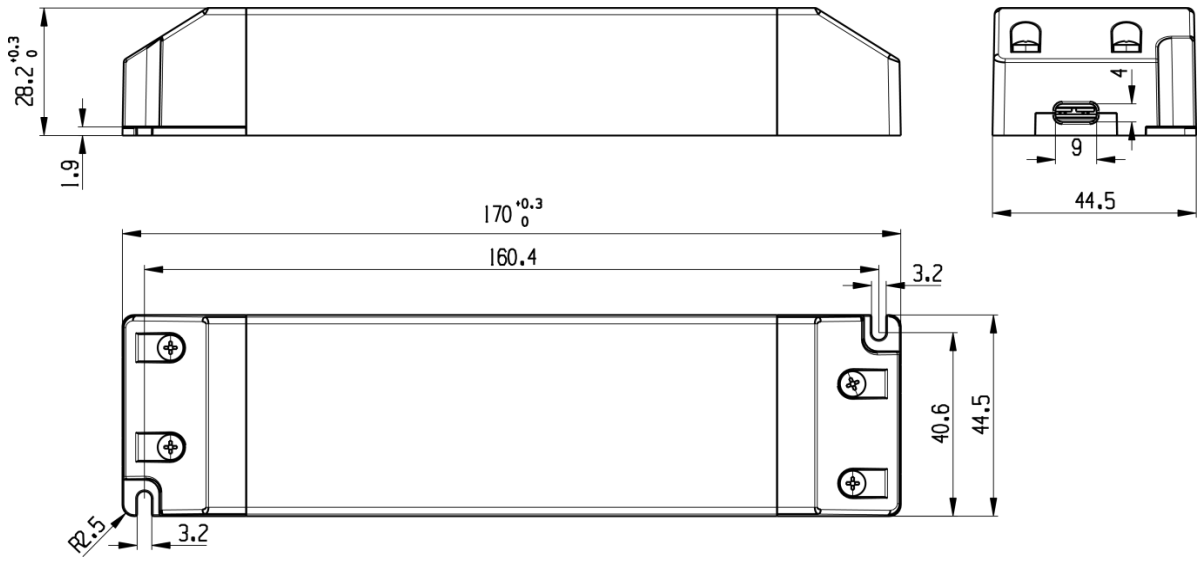
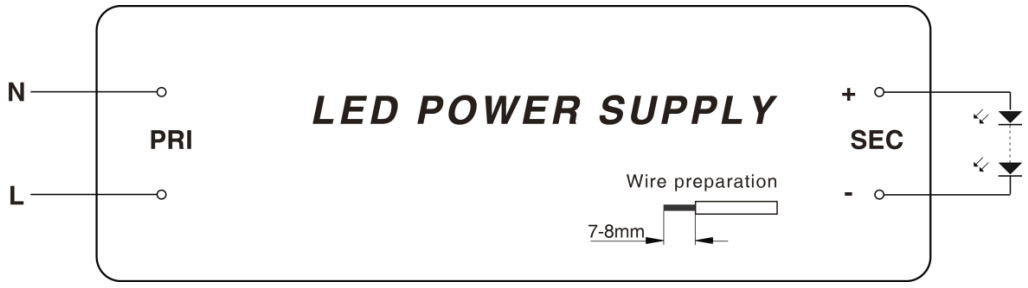
·Protection

Item	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.5 times of rated power	YES	--
Short circuit	Ta, 0.94-1.06 times of input voltage	YES	--
Over temperature	Ta, 0.94-1.06 times of input voltage, temperature detected pointed more than 115 degree	--	--
Over voltage	Ta, 0.94-1.06 times of input voltage,output voltage is 1.5 times of rated one	YES	--
Auto recovery	Over load, short circuit revocation	YES	--
Latch off	over heat protection restart after cut off	--	--

·Standard

Items	Conditions
Safety	IEC61347-1,IEC61347-2-13
Harmonic	EN61000-3-2 Class C
EMI	EN55015
EMS	EN61000-4-2,3,4,5,6 EN61547

Dimensions(mm)



Wiring Diagram