



LED Power Supply

Super slim LED drivers, SELV. Open circuit, short circuit, overload and over temperature protection. Compliance to ERP directive, lifetime 30,000hrs.



items	conditions	request	note
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Input

Input voltage	Ta	180-264Vac	--
Input Frequency		50/60Hz	--
Input Current		<0.7A	--
Input Power	25°C, rated input voltage, output with max. rated power	<118W	--
Efficiency		≥90%	--
Standby	25°Cated input voltage, output without load	<0.5W	Average
Inrush Current	25°C, rated input voltage	<75A	peak
PF	25°C, rated input voltage, output max. rated power	≥0.9	--

Output

Startup time	25°C, rated input voltage, output with max. rated power	<0.5S	180Vac 50Hz
Output voltage and precision	Ta , rated input voltage, output with rated power	12V±5%	<13V
Output current range	Ta , rated input voltage	0-8.33A	--
Output voltage wave	25°C, rated input voltage, output with max. rated power	500mV	Vp-p
Output overload	25°C, rated input voltage, output with 2 times LED load	yes	--
Output current and precision	Ta , rated input voltage, output with rated power	--	--
Rated output voltage range	Ta , rated input voltage,	-	--
Output current wave	25°C, rated input voltage, output with max. rated power	--	Ip-p
Dimming mode	--	--	--
Dimming range	--	--	--

Protection

open circuit	Ta, input rated voltage, output without load	--	--
overload	Ta , 0.94-1.06 times of input voltage, 1.2 times of rated power	yes	--
Short circuit	Ta , input 0.94-1.06 times input voltage,	yes	--
Over temperature	IC detect temperature	yes	--
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 voltage, over heat re-start after cut off	--	--


Temperature and others

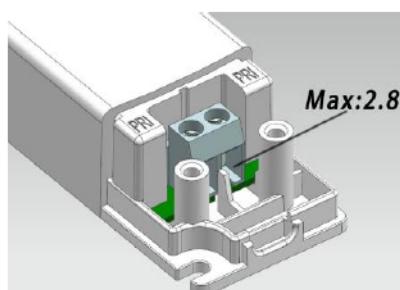
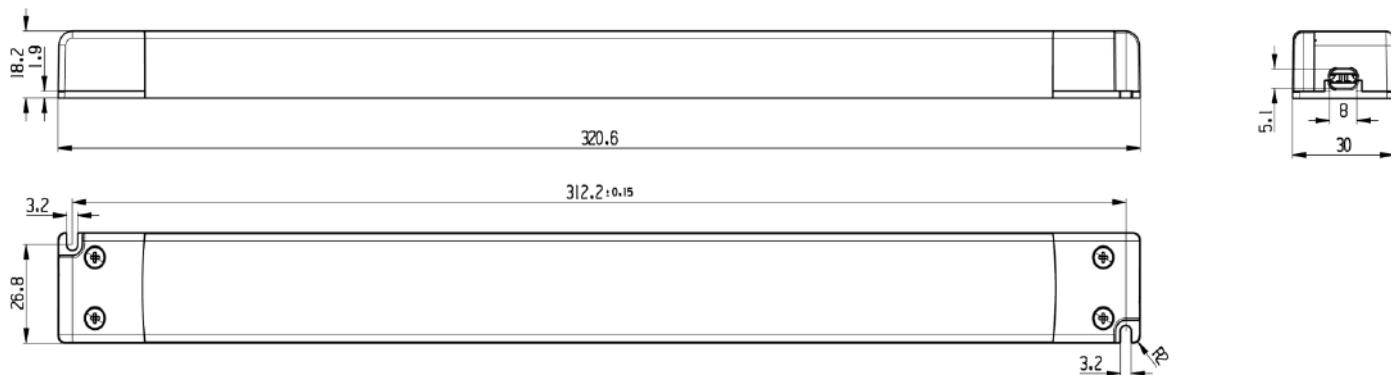
Operating temperature	--	-20° C ~ 45° C	--
Relative humidity	--	45%~85%	--
max. Case temp.	--	85° C	--
products life span	under max Ta,input rated voltage and output max rated load	30,000hr	--
working noise	25°C, rated input voltage,output with rated power, mute box background noise<35dB, pickup 10cm distance from products	yes	--

Mechanical, mounting

Case material and size	Plastic case 320.6x30x18.2mm
Mounting ways	independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H03VVH2-F 2*0.75mm ²
Output cables dimension	H05VVH2-F 2*1.0mm ² *2
Output cables length	Max. 2 m

Standard request

Safety	IEC61347-1, IEC61347-2-13
Harmonic	EN61000-3-2 Class C
EMI	EN55015
EMS	EN61000-4-2, 3, 4, 5, 6, 8, 11EN61547

Dimensions




Neumüller

Elektronik GmbH

SNP100-12VF-1

Wiring Diagram

