

TRONIX

SPECIFICATION

Description	100-240V LED Driver, Constant Voltage Driver
Electrical Characteristics	Ta = 25°C, 100-240Vrms input, standard reference load; unless otherwise specified
Class I, IP67, thermally protected 110°C, independent driver	

Product Name 215-316

Input Parameters

Rated Input Voltage	Uin	100-240VAC
Input Current (Full load)	Iin	1.5A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	120W
Power Factor (Full load)	λ	≥ 0.95
THD(Full load)		$\leq 15\%$
Efficiency (Full load)	η	$\geq 87\%$
No-load power		$\leq 0.5W$
Inrush current		$\leq 70A$
Turn on time		$\leq 500ms$

Output Parameters

Output Voltage	Vout	24V $\pm 5\%$
Output Current (Full load)	Iout	4.17A
Output Power (Full load)	Pout	100W
Operating Frequency(Full load)	Fout	80-180KHz
Ripple & Noise		$\leq 150mV$
Load Regulation		$\leq 5\%$
Line Regulation		$\leq 5\%$

Ambient

Storage Temperature	ts	-20 ... + 70
Operating Ambient Temperature	ta	-20 ... + 50
Case Temperature at tc Point	tc	+80

Protection

No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

System Parameters

Hi-pot		3.75KVAC, Ileakage < 5mA, 60s
Average Service Life		50,000Hours
Dimmable		NA

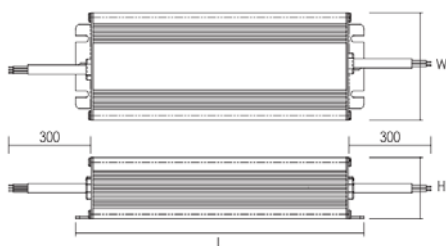
Compliances and approvals

Safety		EN 61347-2-13
RFI		EN 55015
Harmonics		EN 61000-3-2 Class C
Immunity		EN 61547

Note

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
3. Expected Life:tc=80°C,0.2%/1000h failure rate

Physical Parameter



Dimensions(LxWxH): 199mmx67mmx35mm

Housing Material:aluminium

Input Wire:VDE H05RN-F, 3x1.0mm²:Output Wire:VDE H05RN-F,2*1.0mm²