

# 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, built-in driver	

<b>Product Name</b>	<b>215-319</b>
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### Input Parameters

Rated Input Voltage	U <sub>in</sub>	100-240VAC
Input Current (Full load)	i <sub>in</sub>	3.5A
Input Frequency	f <sub>in</sub>	50/60Hz
Maximum Input Power	P <sub>in</sub>	350W
Power Factor (Full load)	λ	≥0.95
THD(Full load)		≤15%
Efficiency (Full load)	η	≥93%
No-load power		≤0.64W
Inrush current (Cold start)		≤70A@500uS
Input Voltage Derating Range		80% Load @90V-198V; 100% Load @198V-264V
Turn on time		≤500ms

### Output Parameters

Output Voltage	V <sub>out</sub>	24V±5%
Output Current (Full load)	i <sub>out</sub>	13.34A
Output Power (Full load)	P <sub>out</sub>	320W
Operating Frequency(Full load)	F <sub>out</sub>	60-180KHz
Ripple & Noise		≤800mV
Load Regulation		≤5%
Line Regulation		≤5%

### Ambient

Storage Temperature	t <sub>s</sub>	-40 ...+ 70
Operating Ambient Temperature	t <sub>a</sub>	-40 ...+ 50
Case Temperature at t <sub>c</sub> Point	t <sub>c</sub>	90

### 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,leakage<5mA,60s
Average Service Life		50,000Hours

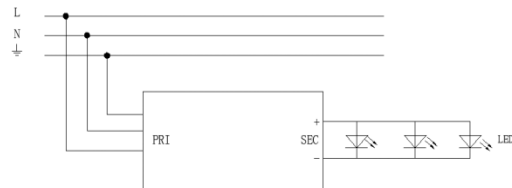
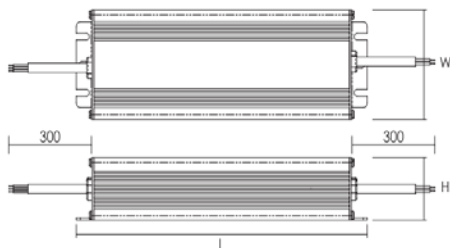
### Compliances and approvals

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:t<sub>c</sub>=80°C,0.2%/1000h failure rate

### Physical Parameter



Dimensions(LxWxH): 252x90x44mm

Housing Material:aluminium

Input Wire:VDE H05RN-F, 3x1.0mm<sup>2</sup>;Output Wire:VDE H07RN-F,2\*2.5mm<sup>2</sup>