

AcTEC LED DRIVER

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, independent driver	

Product Name		215-318
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Input Parameters

Rated Input Voltage	Uin	100-240VAC
Input Current (Full load)	Iin	1.3A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	230W
Power Factor (Full load)	λ	≥ 0.95
THD(Full load)		$\leq 15\%$
Efficiency (Full load)	η	$\geq 89\%$
No-load power		$\leq 0.5W$
Inrush current(Max)		65A&500us(Cold start)
Turn on time		$\leq 500ms$

Output Parameters

Output Voltage	Vout	24V $\pm 5\%$
Output Current (Full load)	Iout	8.34A
Output Power (Full load)	Pout	200W
Operating Frequency(Full load)	Fout	90-120KHz
Ripple & Noise (max)		800mVp-p
Load Regulation		$\pm 5\%$
Line Regulation		$\pm 5\%$

Ambient

Storage Temperature	ts	-20 ... + 70°C
Operating Ambient Temperature	ta	-20 ... + 50°C
Case Temperature at tc Point	tc	80°C
Relative humidity		5 ... 85%

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

Withstand voltage		3.75KV,5mA,60S
Expected Life		50000Hours

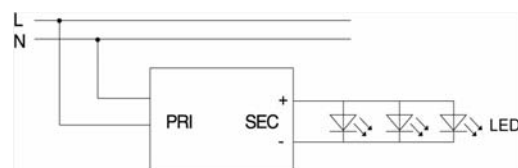
Compliances and approvals

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 240VAC 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): 249x72x40mm

Housing Material:aluminium

Input Wire:H05RN-F VDE3x1.0mm² ;Output Wire:H05RN-F VDE2x1.5mm²