

SPECIFICATION

Description	220-240V DALI Dimming LED Driver, Constant Current Driver
Electrical Characteristics	Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified
Class I, IP20, thermally protected 110, independent driver	

Product Name	IE-25D			
Input Parameters				
Rated Input Voltage	U _{in}	220-240VAC		
Input Current (Full load)	I _{in}	0.16A		
Input Frequency	f _{in}	50/60Hz		
Maximum Input Power	P _{in}	30.0W		
Power Factor (Full load)	λ	0.80C	0.90C	≥0.95
THD(Full load)		≤15%		
Efficiency (Full load)	η	≥86%		≥85%
No-load power		≤0.5W		
Inrush current		≤15.0A		
Turn on time		≤700ms		

Output Parameters									
Output Voltage	V _{out}	20-60V	20-60V	20-60V	20-55V	20-50V	20-45V	20-42V	20-36V
Output Current (Full load)	I _{out}	260mA±5%	350mA±5%	400mA±5%	450mA±5%	500mA±5%	550mA±5%	600mA±5%	700mA±5%
Output Power (Full load)	P _{out}	15W	21W	24W	25W				
Operating Frequency(Full load)	F _{out}	55KHz							
Ripple & Noise		≤350mA							
Load Regulation		≤5%							
Line Regulation		≤5%							

Ambient		
Storage Temperature	t _s	-20 ...+ 70°C
Operating Ambient Temperature	t _a	-20 ...+ 50°C
Case Temperature at t _c Point	t _c	85°C
Relative humidity		5 ...85%

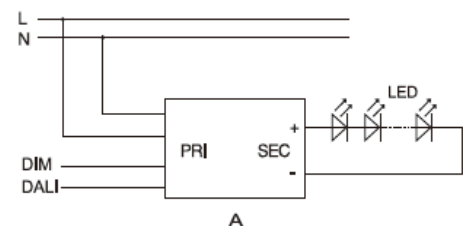
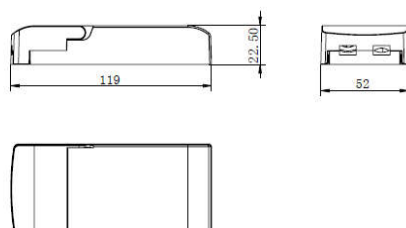
Protection		
No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

System Parameters		
Withstand voltage		3.75KVAC, I _{leakage} <5mA, 60s
Expected Life		50,000Hours

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

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:t_c=80°C,0.2%/1000h failure rate

Physical Parameter



Dimensions(LxWxH): 119x52x22.5mm

Housing Material:PC Plastic

Input Captured Terminal Screw for 0.5~2.5mm²

Output Captured Terminal Screw for 0.5~1.5mm²