

Technical Datasheet

Model Name : ENLIGHT 40-0500-PL-2DS
Model No. : 040C0500ZEC
Description : Constant Current LED Driver (Isolated)
BIS Approbations : IS 15885 (Part 2 / Sec 13)
BIS Status : In Process



Technical Specifications:

Category	Parameters	Specifications
Features	Output Type	Constant Current
	Dimming Type	Non Dimmable
	IP Grade	IP 20
	Insulation Class	Class II
Input	Application	Indoor
	Rated Input Voltage	220 - 240VAC
	Operating Input Voltage	160-265VAC
	Frequency	50-60Hz
	Input Current	0.103A
	Input Power	23W
	Power Factor	>0.95
	ATHD	<10%
	No Load / Standby Power	<0.5W
	Galvanic Isolation (Input to Output)	1.5KV
Input Overvoltage Protection	>300VAC ±5VAC	
Input Under voltage Protection	<80VAC ±5VAC	
Output	Output Current	350-500mA
	Output Voltage	22-40VDC
	Output Power	14-20W
	Current Tolerance	<5%
	Efficiency	≥85% @ 100% load (240VAC)
	Current Ripple	<30%
	Overload Protection	Yes
	Open Circuit Protection	Yes
Short Circuit Protection	Yes	
Environment & Protection	Ambient Operating temperature Range	0°C - 50°C
	Storage Temperature	-20°C to +80°C
	Max Case Temperature	80°C
	Surge Protection	4KV
	440VAC Protection	2Hrs
Construction	Connection	Connector 2pole 45° push-in with release key
	PRI Wire Preparation	8.5-9.5mm Strip length (0.5-1.5sqmm)
	SEC Wire Preparation	8.5-9.5mm Strip length (0.5-1.5sqmm)
	Dimensions	80x40x22MM
	Weight	60Gms

Dip Switch Combination:

Combination	SW1	SW2	Output
1	OFF	OFF	350mA
2	OFF	ON	400mA
3	ON	OFF	450mA
4	ON	ON	500mA

Wiring instructions:

- All connections must be kept as short as possible to ensure good EMI behavior
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 . 10 cm distance)
- Advice the maximum length of output wires is 2Mtrs.
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips,louwer, etc.)

Reach us at:  www.oasisteck.com /  mkt@oasisteck.com /  +9120 41290768 /  +91 7559441929

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