

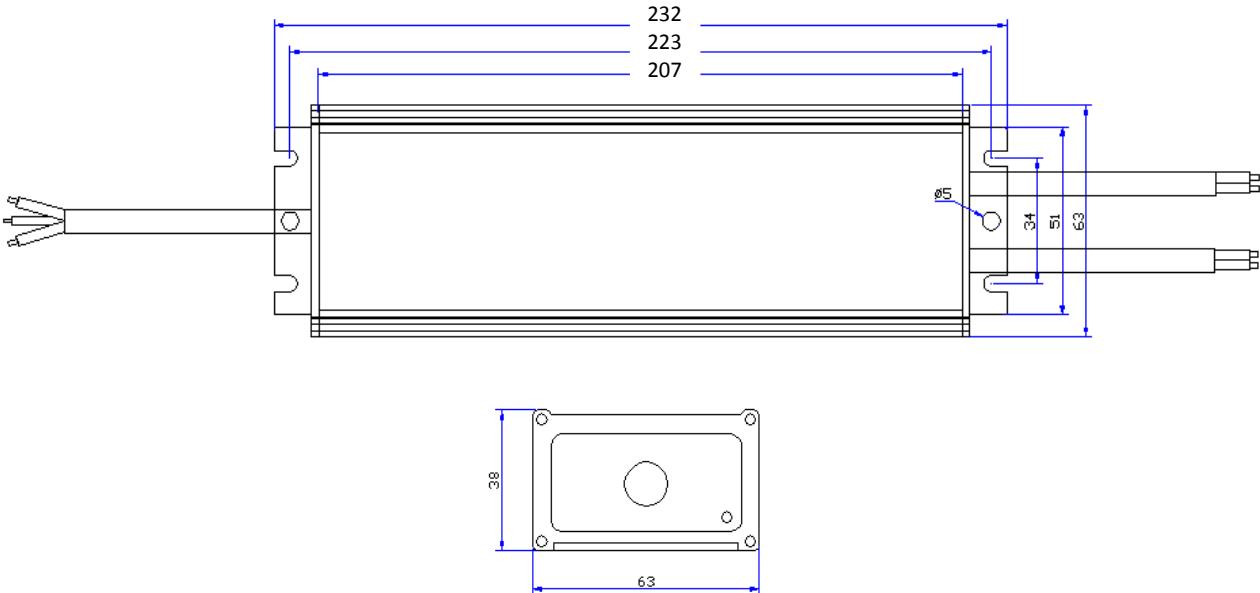
Specification Sheet	Product	160W 6600mA Adjustable current driver with 1-10V dimming	version: 2.0	Page:1/2			
	Model	HQLPC160/123/6600AP/D4E1	Date	2019-8-14			
		<p>■Features:</p> <ul style="list-style-type: none"> •Universal AC input:100~277VAC. •Built-in active PFC function. •Efficiency over 89%. •Protections: Short circuit, Over temperature protection •IP65, input/output ports are connected to the wire. •Constant current output, output current can be adjusted by external potentiometer. •With 1-10V/PWM dimming function . •Suitable for LED lighting applications. •Conforms to IEC and GB lighting equipment safety regulations. •Independent installation,installed in indoor/outdoor. 					
ADJUSTABLE CURRENT LED DRIVER WITH 1-10V DIMMING		     SELV IP65					
SPECIFICATION							
INPUT	Voltage range	Rated voltage range:100~277VAC , (Input voltage range:100~180VAC, 70% power use)					
	Frequency range	47~63Hz					
	Power factor	PF ≥ 0.95 (100%full load)					
	Efficiency(Typ.)	$\geq 89\%$	Test condition: Input Voltage 277VAC,100% full load.				
	AC current	$\leq 1.38A/100VAC$; $\leq 0.92A/220VAC$					
	Start up inrush current(Typ.)	cold start: 60A Max. /277VAC					
	Leakage current	Contact current $\leq 0.7mA$ at 277VAC, Protect conductor current $\leq 2mA$ at 277VAC					
	THD	$<20\%$					
	Input the dimming signal	1-10V/PWM(10V/100-1KHz)					
OUTPUT	Output channel	1 channel					
	Output current and voltage	3200~6600mA (Adjustable Current)		24~50Vdc			
	Rated power	160W (200~277VAC)		112W (100~180VAC)			
	Tolerance	$\pm 5\%$					
	Dimming Range	10%-100%					
	Output ripple current	$\leq 10\%$ (100% full load)					
	Output overshoot / undershoot current	$\leq 10\%$,when power open and shut down					
	Start up time	0~1S,100VAC : 0~0.5S,277VAC					
	Short circuit protection	Products without damage, when abnormal condition removed , re-power on to recover.					
	Over temperature protection	Protection shell maximum temperature 110 °C, over temperature protection startup, shut down output, can be automatically restored after the temperature is normal					
ENVIRONMENT	Working TEMP.	-40~+50°C (100%full load)					
	Max. CASE TEMP.	90°C (100%full load)					
	Working humidity	20~95%RH, non-condensing					
	Storage TEMP.,humidity	-40~+80°C, 10~95%RH					
	Temp. coefficient	$\pm 0.03\%/\text{°C}$ (0~50°C)					
	Vibration	10~500Hz, 5G 12min/1 cycle, period for 72min.each along X、Y、Z axes					
SAFETY&EMC	Safety standards	GB19510.1/IEC61347-1 ; GB19510.14/IEC61347-2-13					
	Withstand voltage	I/P-O/P:3.75KVAC 60S(Leakage current<100mA) I/P-FG:1.875KVAC O/P-FG:1.5KVAC ,60S(Leakage current<10mA)					
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:>100MΩ at 500VDC/25°C/70%RH					
	EMC emission	GB17625.1/IEC61000-3-2 ;GB17743/CISPR15					
	EMC immunity	GB/T 18595/IEC61547					
		Surge immunity: L-N: 6KV; L,N-G: 6KV					
LIFE	50,000 hours at $T_c=80^\circ\text{C}$						
SIZE	232x63x38mm(LxWxH),find below dimension.						
NOTE	<p>1.All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25°C of ambient temperature .</p> <p>2.The LED driver is considered as a component that will be operated in combination with final equipment , since EMC performance will be affected by the complete installation ,the final equipment manufacturers must re-qualify EMC directive on the complete installation again .</p> <p>3.Detail warranty terms please refer to warranty statement.</p>						

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■ SIZE

UNIT: mm

TOERLANCE: $\pm 1\text{mm}$



■ WIRE

Input wire: 3x1.0 rubber wire, Line length 350±20mm, decortication 30mm, endothelial 5mm solder;

Signal input wire: 2x1.0 rubber wire, Line length 300±20mm, decortication 30mm, endothelial 5mm solder;

Output wire: 2x1.0 rubber wire, Line length 300±20mm, decortication 30mm, endothelial 5mm solder:

The technical data and information in this specification is owned by HUAQUAN , we reserve the right to change without prior notice.

Please refer to the actual products provided by HUAQUAN for specific details.

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