

Advance series Linear constant voltage output



HJA45-12VL HJA45-24VL

Product Description

- Independent constant voltage LED power supply
- Terminal block for quick connection
- Driver can be secured with slot for screws
- Ultra-thin design, the height is 16mm
- Full protection functions with automatic recovery feature
- Fast start-up time $\leq 0.5s$
- Protection class II, SELV output
- Efficiency: 87%
- Compliance to ERP directive: COMMISSION REGULATION (EU) 2019/2020

Safety & EMC Standard

- EN 55015
- EN 60598-1
- EN 61000-3-2
- EN 61000-3-3
- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 62384

Application

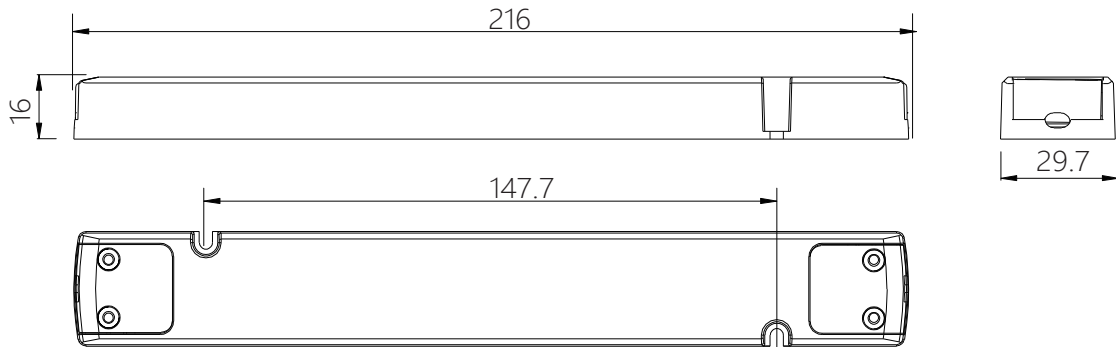
- Cabinet and strip lighting
- Light box backlight



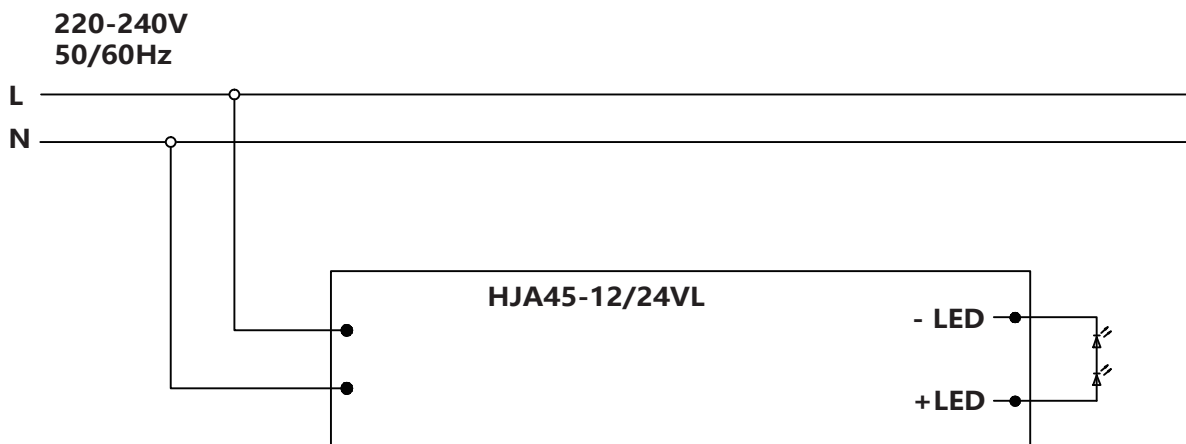
Technical data

Model		HJA45-12VL	HJA45-24VL
Input	Rated supply voltage(Vac)	220-240	220-240
	Voltage range(Vac)	198-264	198-264
	Line frequency(Hz)	50/60	50/60
	Input current(mA)	240	240
	Efficiency with full load	86.5%	87%
	Power factor(at 230V,50Hz,full load)	0.95	0.95
	Displacement factor(DF) (at 230V,50Hz,full load)	0.95	0.95
	Total harmonic distortion (at 230V,50Hz,full load)	<20%	<20%
	No load power consumption(W)	<0.5	<0.5
	Inrush current(peak/duration)	7.2A 550us	7.2A 550us
Output	Turn on time(S)	<0.5	<0.5
	Output power(W)	45	45
	Output voltage(V)	12	24
	Output voltage tolerance	±5%	±5%
	Ripple voltage(mV)	450	450
	Output current range(A)	0-3.75	0-1.88
	Max. output voltage(V)	13	25
	Isolation output to input	SELV	SELV
	Dimming interface	N/A	N/A
	Dimming range	N/A	N/A
Protection	Over load protection	Y	Y
	Over temperature protection	Y	Y
	Short circuit protection	Y	Y
	Open circuit protection	Y	Y
	Automatic restart after restore	Y	Y
Ambient and life	Ambient temperature in normal working Ta(°C)	-20...+45	-20...+45
	Max. casing temperature Tc(°C)	90	90
	Nominal life-time(hrs)	50'000@TC=85°C	50'000@TC=85°C
	Failure rate	0.1%/1000h	0.1%/1000h
	Guarantee(Years)	5	5
	Storage Temperature(°C)	-30...+80°C	
	Ambient humidity range	5%...85%RH , Not condensing	
Others	Weight(gram)	130	
	Housing material	PC	
	Housing colour	White	
	Waterproof rating	IP20	

■ Dimension(mm)



■ Wiring diagram



■ Sales & Technical support

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