

PSSC 48V Series

Phase Dimming IP20 48VDC



Features

- Load 10-100%
- 48V Constant Voltage Output
- Triac Dimmable (Leading & Trailing Edge)
- Short circuit, overload, over-temperature protection
- Dimming range without flickering 0-100%
- Compatible with leading edge and trailing edge TRIAC dimmers
- 5 Year Warranty

Code		PSSC-48V-30W	PSSC-48V-60W
Output	DC voltage	48V	
	Adjustable rated voltage range	48V-50V	
	Voltage tolerance	±0.5V	
	Voltage regulation	≤2%	≤1%
	Rated current	0.63A	1.25A
	Rated power	30W	60W
Input	Voltage range	200-240V AC	
	Frequency range	47-63HZ	
	Power factor	PF ≥0.95 (Full Loading)	
	Full load efficiency	79% @ 230VAC	83% @ 230VAC
	THD(Typ.) @ full load	≤20%@200VAC @ 230VAC @240VAC	
	AC current (Max)	0.22A	0.5A
	Inrush Current (Type.)	30A,90us@230VAC	
	Leakage current	<0.50mA	
Protection	Short circuit	Shutdown o/p voltage, re-power on to recover after fault is removed	
	Over load	≤120%, shut down o/p voltage, recovers automatically after fault is removed	
	Over temperature	Shell surface temp 100°C±0°C shutdown o/p voltage, automatically recovers after temperature drops	
	Warranty	5 Years	
Environment	Working TEMP	-40~+60°C	
	Working humidity	20~90%RH,non-condensing	
	Storage TEM, humidity	-40~+80°C,10~95%RH non-condensing	
	TEMP, coefficient	±0.03%/°C(0~50°C)	
	Vibration	10 - 500Hz, 2G 10min./1 cycle, period for 60min.each along X,Y,Z axes	
Safety & EMC	Safety standards	EN61347-1 EN61347-2-13	
	Withstand voltage	I/P-O/P:3.75KVAC	
	Isolation resistance	I/P-O/P: 100MΩ / 500VDC / 25°C / 70%RH	
	EMC EMISSION	EN55015, EN61000-3-2, EN61000-3-3	
Dimensions	Size	L155 x W54 x H22mm	L178 x W61 x H24mm

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