



60W Single Output AC Dimmable LED Power Supply

PCD-60 series

Elworks best.nr.:	4-293-0
Tilbehør til:	Platta serie



■ Features :

- AC phase-cut dimming
- Work with leading edge and trailing edge TRIAC dimmers
- Built-in active PFC function
- Constant current design
- Protections: Short circuit / Over temperature
- Cooling by free air convection
- Fully isolated plastic case
- IP42 design
- Class II power unit, no FG
- Suitable for indoor LED lighting applications
- 100% full load burn-in test
- Low cost
- High reliability
- 3 years warranty



SPECIFICATION

MODEL		PCD-60-1050B			
OUTPUT	RATED CURRENT	1050mA			
	OPERATING VOLTAGE RANGE	34 ~ 57V			
	CURRENT ACCURACY	±5.0%			
	RATED POWER	59.85W			
	RIPPLE & NOISE (max.) Note.1	3.8Vp-p			
	NO LOAD OUTPUT VOLTAGE (max.)	63V			
	SETUP TIME	500ms / 230VAC at full load			
INPUT	VOLTAGE RANGE	180~295VAC			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR (Typ.)	PF>0.9/230VAC, PF>0.9/277VAC at full load (Please refer to "Power Factor Characteristic" curve)			
	TOTAL HARMONIC DISTORTION	THD< 20% when output loading≥60%(PCD-60-500B loading≥65%) at 230VAC input and output loading≥75% at 277VAC input			
	EFFICIENCY (Typ.)	86'	86%	85%	85%
	AC CURRENT (Typ.)	0.6A/230VAC	0.5A/277VAC		
	INRUSH CURRENT(Typ.)	COLD START 13A (twidth=50μs measured at 50% Ipeak) at 230VAC			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	32 units (circuit breaker of type B) / 32 units (circuit breaker of type C) at 230VAC			
	LEAKAGE CURRENT	<0.5mA / 240VAC			
PROTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed.			
	OVER TEMPERATURE	Shut down o/p voltage, auto-recovery			
ENVIRONMENT	WORKING TEMP.	-30 ~ +45°C (Refer to "Derating Curve")			
	WORKING HUMIDITY	20 ~ 95% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)			
	VIBRATION	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes			
SAFETY & EMC	SAFETY STANDARDS	ENEC EN61347-1, EN61347-2-13 independent, EN62384, IP42 approved			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC			
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH			
	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C ; EN61000-3-3			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, light industry level(Surge 2KV), criteria B			
OTHERS	MTBF	358.030Khrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	128*60*31.5mm (L*W*H)			
	PACKING	0.35Kg;30pcs/11.5Kg/0.58CUFT			
NOTE	1. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 2. Direct connecting to LEDs is suggested, but is not suitable for using additional drivers. 3. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains.				

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