

## 240W Single Output Industrial DIN RAIL Power Supply **DRP-240** series



- Features :
- Universal AC input / Full range
- Built in active PFC function
- · Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment)approved
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at 100KHz
- 3 years warranty



## SPECIFICATION

MODEL		DRP-240-24	DRP-240-48	
	DC VOLTAGE	24V	48V	
OUTPUT	RATED CURRENT	10A	5A	
	CURRENT RANGE	0 ~ 10A	0~5A	
	RATED POWER	240W	240W	
	RIPPLE & NOISE (max.) Note.2		150mVp-p	
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 53V	
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	
	LOAD REGULATION	±1.0%	±1.0%	
	SETUP, RISE TIME	800ms, 40ms/230VAC 800ms, 40ms/115VAC at full load		
	HOLD UP TIME (Typ.)	24ms/230VAC 24ms/115VAC at full load		
INPUT		85 ~ 264VAC 120 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR (Typ.)	0.96/230VAC 0.99/115VAC at full load		
	EFFICIENCY (Typ.)	84%	85%	
	AC CURRENT (Typ.)	2.8A/115VAC 1.4A/230VAC		
	INRUSH CURRENT (Typ.)	COLD START 27A/115VAC 45A/230VAC		
	LEAKAGE CURRENT	<3.5mA / 240VAC		
PROTECTION	OVERLOAD	105 ~ 150% rated output power		
		Protection type : Constant current limiting, recovers automatically after fault condition is removed		
		30 ~ 36V	54 ~ 60V	
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover		
	OVER TEMPERATURE	$100^{\circ}C \pm 5^{\circ}C$ (TSW1)detect on heat sink of power transistor		
		Protection type : Shut down o/p voltage, recovers automatically after temperature goes down		
ENVIRONMENT	WORKING TEMP.	-10 ~ +70°C (Refer to output load derating curve)		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6		
	SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950-1 approved		
SAFETY & EMC (Note 4)	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC		
	EMI CONDUCTION & RADIATION			
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3		
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2), heavy industry level, criteria A		
OTHERS	MTBF	105.5Khrs min. MIL-HDBK-217F (25°C)		
	DIMENSION			
		125.5*125.2*100mm (W*H*D) 1.2Kg; 12pcs/15.5Kg/1.29CUFT		
	PACKING 1 All parameters NOT specia		5°C of ambient temperature	
NOTE	<ol> <li>Ripple &amp; noise are measure</li> <li>Tolerance : includes set up</li> <li>The power supply is consid EMC directives.</li> </ol>	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. o tolerance, line regulation and load regulation. dered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets under low input voltages. Please check the derating curve for more details.		



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