

Three Phase Industrial DIN RAIL Power Supply

Features:

- Three-Phase AC 340–550V wide range input
- High efficiency 89% and low dissipation
- Protection: Short circuit/Over load/Over voltage /Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment) approved
- EN61000-6-2(EN50082-2) industrial immunity level
- 100% full load burn-in test
- 3 years warranty



Specification:

MODEL		YF-TDR3P240 /480 /960	
INPUT	VOLTAGE RANGE	AC340 – 550V 3φ	
	AC CURRENT	TDR3P240	0.95A/400VAC ; 0.75A/500VAC
		TDR3P480	1.7A/400VAC ; 1.3A/500VAC
		TDR3P960	3.4A/400VAC ; 2.6A/500VAC
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY	89%typ	
	INRUSH CURRENT	40A _{typ} (I _o =100%) (At cold state)	
LEAKAGE CUURENT	3.5mA max/530VAC		
OUTPUT	DC VOLTAGE	23.9 ~ 24.2VDC	
	RATED CURRENT	TDR3P240	10A
		TDR3P480	20A
		TDR3P960	40A
	CURRENT RANGE	0 ~ 100%	
	RATED POWER	TDR3P240	240W
		TDR3P480	480W
		TDR3P960	960W
	RIPPLE NOISE	80mVp-p	
	VOLTAGE ADJ RANGE	22 ~ 28V	
	VOLTAGE TOLERANCE	+/-1.0%	
	LINE REGULATION	+/-0.5%	
LOAD REGULATION	+/-0.5%		
SETUP, RISE, HOLD TIME	1.2s, 40ms, 20ms/400VAC ; 0.8s, 40ms, 40ms/500VAC at full load		
PROTECTION	OVER LOAD	105 ~ 130% rated output power	
		Protection type: Constant current limiting, recovers automatically after fault condition is removed	
	OVER VOLTAGE	30 ~ 36V	
OVER TEMPERATURE	100°C+/-5°C (PTC) Detect inside of transformer		
	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down		

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ENVIRONMENT	WORKING TEMPERATURE	-20 ~ +70°C (Refer to output load derating curve)	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP, HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	+/-0.03% (0 ~ 50°C)	
	VIBRATION	10~500Hz, 2G 10min/1cycle, 60min. each along X, Y, Z axes	
SAFETY AND EMC	SAFETY STANDARDS	Compliance to UL508, TUV EN60950-1	
	WITHSTAND VOLTAGE	I/P-O/P: 3400VDC I/P-FG: 2KVDC O/P-FG: 750VDC	
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG 100M Ohms/500VDC	
	EMI CONDUCTION & RADIATION	Compliance to EN55011(CISPR11), EN55022(CISPR22), EN61204-3 Class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2, 3	
	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN61204-3, EN61000-6-2(EN50082-2) Heavy industry level, criteria A	
OTHERS	MTBF	120Khrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	TDR3P240	125 * 124 * 100mm (W * H * D)
		TDR3P480	227 * 124 * 100mm (W * H * D)
		TDR3P960	280 * 124 * 100mm (W * H * D)
	PACKING	TDR3P240	1.15Kg; 12pcs/16kg/1.34CUFT
		TDR3P480	2.5Kg; 6pcs/16kg/1.75CUFT
		TDR3P960	3.3Kg; 6pcs/19.8kg/1.45CUFT
NOTE	<ol style="list-style-type: none"> All Parameters NOT specially mentioned are measured at 400VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives. Dual phase operation: derating of 20% is required. 		