POLLOCK Industries

240 Watt, 48 Volt, Three Phase Input Single Output, DIN RAIL Power Supply

UNIT CODE	DESCRIPTION
TDR 240-48	240 Watt, 48 Volt, Three Phase, Single Output, DIN RAIL Power Supply

SPECIFICATIONS				
AC Input	Output	Approvals		
Three-Phase (340~550VAC Input Range)	+48VDC @ 0~5A	CBCE CRUS CRUS CBCE		

Features at a Glance:

Three-Phase AC 340 ~ 550V wide range input High efficiency 89% and low power dissipation Protections: Short circuit / Over load / Over voltage / Over temperature

Fixed Switching at 70KHz
LED indication for power on
Quiet - Cooling by natural (free air) convection
Operational Temperature range: -20 ~ +70°C
Installed on DIN rail TS35 / 7.5 or 15
100% full load burn-in test

Safety standards: UL508, UL60950-1 TUV EN60950-1 approved

EMC: EN61000-6-2 (EN50082-2) industrial immunity (See following pages for full EMC details)

Certificates: UL / CUL / TUV / CB / CE

MTBF hours: 114.6 K hrs. MIL-HDBK-217F (25°C)

Case: 922A

Weight: 2.86 Lbs. (1.3 Kgs)

Dimensions: 4.94" W x 4.9" H x 3.93" D 125.5 x 125.2 x 100mm (W*H*D)

3 year warranty



TDR 240 meets the requirements for a lower wattage, 3-phase DIN Rail Power supply in an economical, industrial (UL508), power unit that's efficient (89%) and quiet.

Can be operated at the full load of 240W at ambient temperatures up to +60°C (or up to +70°C with some power derating). Standard features include protections for short-circuit, overload, over voltage, and over temperature. LED indication for power on.

Suitable applications include general telecom, factory automation, electromechanical, IT, security, data communications and control panel applications, and any installations with fanless or low noise requirements.

Pricing	1 ~ 9	\$ 169.00
	10+	\$ 149.50
	25+	\$ 127.70





■ Features :

- Three-Phase AC 340 ~ 550V wide range input
- High efficiency 89% and low dissipation
- Protections: Short circuit / Overload / 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
- Fixed switching frequency at 70KHz
- 3 years warranty



MODEL		DRT-240-24	DRT-240-48	
	DC VOLTAGE	24V	48V	
	RATED CURRENT	10A	5A	
	CURRENT RANGE	0 ~ 10A	0 ~ 5A	
	RATED POWER	240W	240W	
CUITRUIT	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	
OUTPUT	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V	
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	
	LOAD REGULATION	±0.5%	±0.5%	
	SETUP, RISE, HOLD UP TIME	1200ms, 40ms, 20ms/400VAC 800ms, 40ms, 40ms/500VAC at full load		
	VOLTAGE RANGE Note.5			
	FREQUENCY RANGE 47 ~ 63Hz EFFICIENCY (Typ.) 89%			
INPUT	AC CURRENT 0.95A/400VAC 0.75A/500VAC INRUSH CURRENT (max.) COLD START 50A			
	LEAKAGE CURRENT	<3.5mA / 530VAC		
	OVERLOAR	105 ~ 150% rated output power		
	OVERLOAD	Protection type: Constant current limiting, recovers automatical	ly after fault condition is removed	
PROTECTION	OVER VOLTAGE	30 ~ 36V	59 ~ 66V	
PROTECTION	OVER VOLIAGE	Protection type : Shut down o/p voltage, re-power on to recover		
	OVER TEMPERATURE	100°C ±5°C (TSW) detect on heatsink of power switch		
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down		
	WORKING TEMP.	-20 ~ +70 °C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing		
	WORKING HUMIDITY			
ENVIRONMENT	STORAGE TEMP., HUMIDITY -40 ~ +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	STAND VOLTAGE I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC ATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMISSION Compliance to EN55011 (CISPR11), EN55022 (CISPR22), EN61204-3 Class B		
SAFETY &	WITHSTAND VOLTAGE			
EMC	ISOLATION RESISTANCE			
(Note 4)	EMC EMISSION			
	EMC IMMUNITY			
	MTBF	114.6K hrs min. MIL-HDBK-217F (25° C)		
OTHERS	DIMENSION	125.5*125.2*100mm (W*H*D)		
	PACKING	1.3Kg; 12pcs/16.6Kg/1.29CUFT		
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consided EMC directives.	IOT specially mentioned are measured at 400VAC input, rated load and 25°C of ambient temperature. IOT specially mentioned are measured at 400VAC input, rated load and 25°C of ambient temperature. IOT specially mentioned are measured at 400VAC input, rated load and 25°C of ambient temperature. IOT specially mentioned at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. IOT specially mentioned are measured at 400VAC input		

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