



■ 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



SPECIFICATION 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 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** Three-Phase 340 ~ 550VAC (Dual phase operation possible) 480 ~ 780VDC 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 105 ~ 150% rated output power **OVERLOAD** Protection type: Constant current limiting, recovers automatically after fault condition is removed 30 ~ 36V 59 ~ 66V OVER VOLTAGE PROTECTION Protection type: Shut down o/p voltage, re-power on to recover 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 output load derating curve) 20 ~ 90% RH non-condensing **WORKING HUMIDITY** STORAGE TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH **ENVIRONMENT** 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 WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC SAFFTY & **ISOLATION RESISTANCE** I/P-O/P. I/P-FG. O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH **EMC** (Note 4) **EMI CONDUCTION & RADIATION** Compliance to EN55011 (CISPR11), EN55022 (CISPR22), EN61204-3 Class B **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 MIL-HDBK-217F (25°C) MTRE 114 6Khrs min 125.5*125.2*100mm (W*H*D) OTHERS **DIMENSION** 1.3Kg; 12pcs/16.6Kg/1.29CUFT **PACKING** 1. All parameters NOT specially mentioned are measured at 400VAC input, rated load and 25°C of ambient temperature. NOTE 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Dual phase operation: derating of 20% is required.



