



Features :

- . Three-phase AC 340~550 V wide range input
- . High efficiency 89% and low dissipation
- . Protections : 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
- . UL508 (industrial control equipment) approved
- . EN61000-6-2 (EN50082-2) industrial immunity level
- . 100% full load burn-in test

.3 years warranty

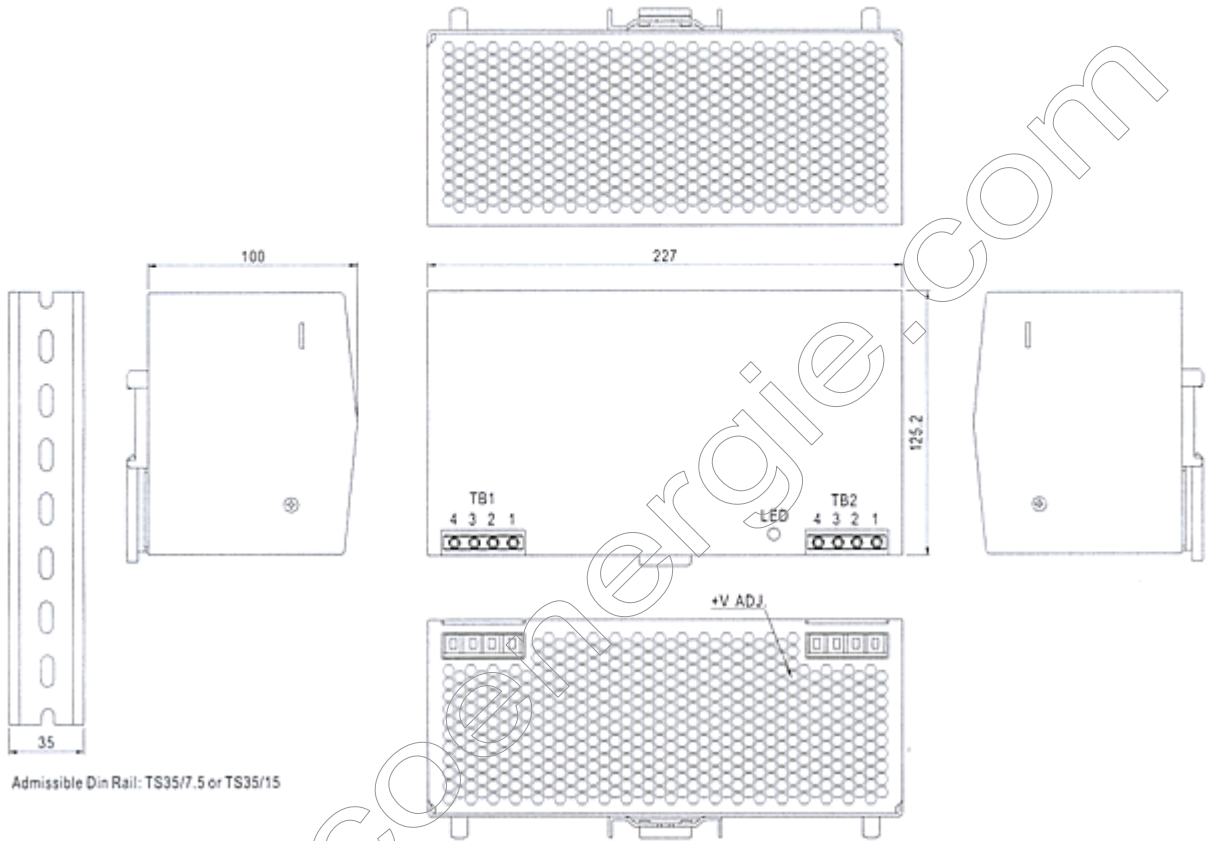


| Model | DRT-480-24 | | DRT-480-48 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| OUTPUT | DC VOLTAGE | 24V | 48V |
| | RATED CURRENT | 20A | 10A |
| | CURRENT RANGE | 0~20A | 0~10A |
| | RATED POWER | 480W | 480W |
| | RIPPLE & NOISE (max.) | 80mVp-p | 80mVp-p |
| | VOLTAGE ADJ. RANGE | 24~28V | 48~55V |
| | VOLTAGE TOLERANCE | +1.0% | +1.0% |
| | LINE REGULATION | +0.5% | +0.5% |
| | LOAD REGULATION | +0.5% | +0.5% |
| | SETUP, RISE, HOLD TIME | 1200ms, 40ms, 16ms/400 VAC | |
| INPUT | VOLTAGE RANGE | Three-phase 340~550 VAC | 480~780 VDC |
| | FREQUENCY RANGE | 47~63Hz | |
| | EFFICIENCY (Typ.) | 89% | |
| | AC CURRENT | 1.7A/400 VAC | 1.3 A/500 VAC |
| | INRUSH CURRENT | Cold start 50A | |
| | LEAKAGE CURRENT | <3.5mA / 530 VAC | |
| PROTECTION | OVER LOAD | 105~150% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed | |
| | OVER VOLTAGE | 30~36V | 59~66V |
| | OVER TEMPERATURE | 100°C +5°C (TSW) Detect on heatsink of power switch Protection type : Shut down o/p voltage, recovers automatically after temperature goes down | |
| | WORKING TEMP. | -20~+70°C (Refer to output load derating curve) | |
| ENVIRONMENT | WORKING HUMIDITY | 20~90% R.H. non-condensing | |
| | STORAGE TEMP., HUMID. | -40~+85°C, 10~95% R.H. | |
| | TEMP. COEFFICIENT | +0.03% / °C (0~50°C) | |
| | VIBRATION | 10~500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes. | |
| SAFETY & EMC | SAFETY STANDARDS | UL508, TUV EN60950-1 approved | |
| | 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 CONDUCT. ° & RAD. ° | Compliance to EN55011 (CISPR11), EN55022 (CISPR22), EN61204-3 Class B | |
| | HARMONIC CURRENT | Compliance to EN61000-3-2,-3 | |
| OTHERS | MTBF | 91.1Khrs min. MIL-HDBK-217F (25°C) | |
| | DIMENSIONS | 227.5 x 125.2 x 100mm (W x H x D) | |
| | PACKING | 2.5Kg, 6pcs/16Kg / 1.75CUFT | |
| NOTE | <ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 400VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF & 47µF 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. 5. Dual phase operation : derating of 20% is required. | | |



■ Mechanical Specification

Case No.930A Unit:mm



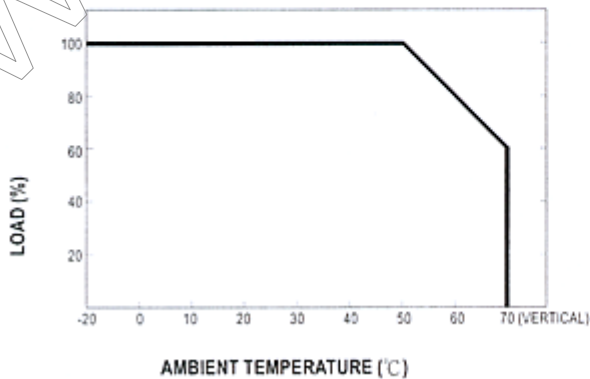
TB1 Terminal Pin. No Assignment

| Pin No. | Assignment |
|---------|-------------|
| 1 | AC/L1 |
| 2 | AC/L2 |
| 3 | AC/L3 |
| 4 | FG \oplus |

TB2 Terminal Pin. No Assignment

| Pin No. | Assignment |
|---------|--------------|
| 1,2 | DC OUTPUT +V |
| 3,4 | DC OUTPUT -V |

■ Derating Curve



■ Static Characteristics

