



■ Features :

- Three-Phase AC 340 ~ 550V wide range input
- High efficiency 91% and low dissipation
- Protections: Short circuit/Over load/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
- EN61000-6-2(EN50082-2) industrial immunity level
- 100% full load burn-in test
- 3 years warranty

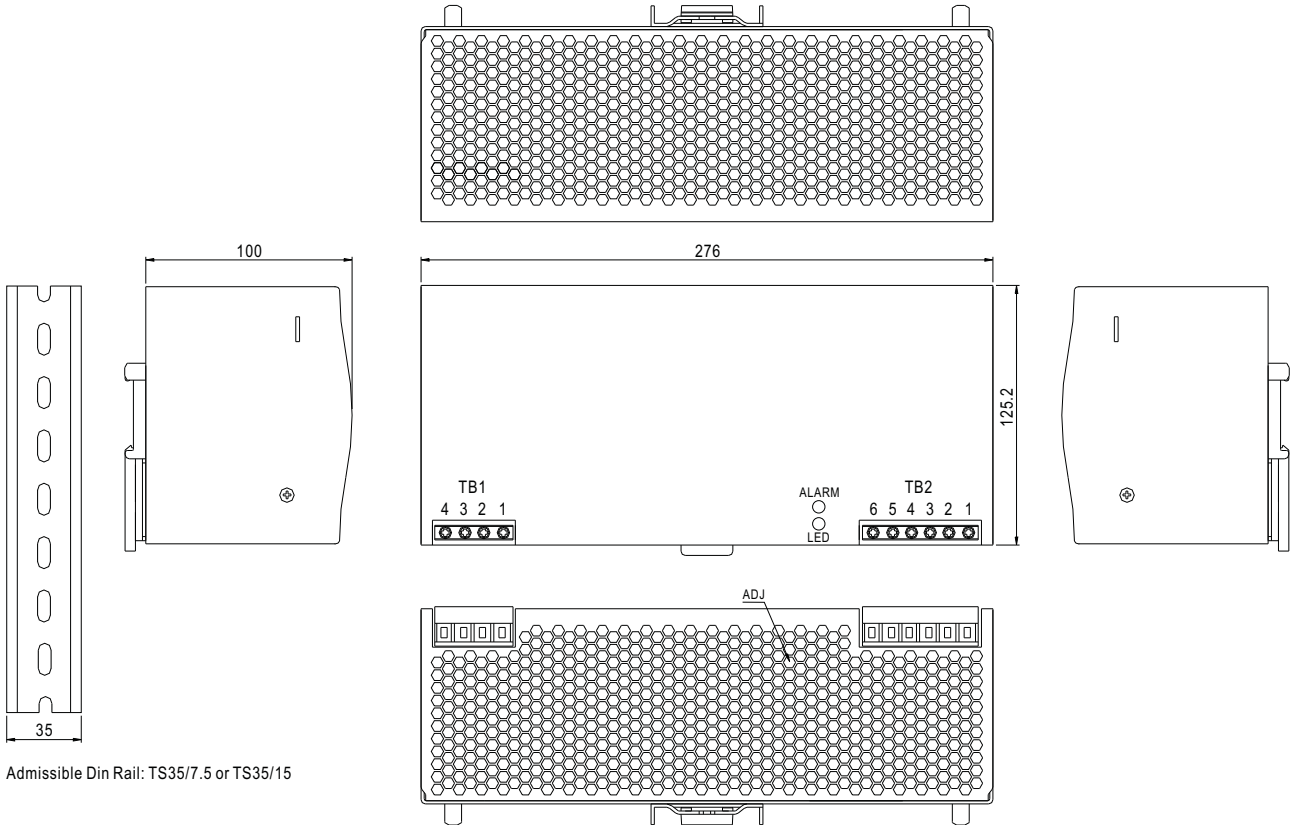


SPECIFICATION

| MODEL | DRT-960-24 | | DRT-960-48 | |
|------------------------|---|---|---|--|
| OUTPUT | DC VOLTAGE | 24V | 48V | |
| | RATED CURRENT | 40A | 20A | |
| | CURRENT RANGE | 0 ~ 40A | 0 ~ 20A | |
| | RATED POWER | 960W | 960W | |
| | RIPPLE & NOISE (max.) Note.2 | 80mVp-p | 80mVp-p | |
| | 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 TIME | 200ms, 60ms, 10ms/400VAC 200ms, 60ms, 24ms/500VAC at full load | | | |
| INPUT | VOLTAGE RANGE | Three-Phase 340 ~ 550VAC | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | |
| | EFFICIENCY (Typ.) | 91% | 92% | |
| | AC CURRENT | 2.4A/400VAC | 1.9A/500VAC | |
| | INRUSH CURRENT (max.) | COLD START 50A | | |
| | LEAKAGE CURRENT | <3.5mA / 530VAC | | |
| PROTECTION | OVER LOAD | 105 ~ 125% rated output power Protection type : Constant current limiting, unit will shut down o/p voltage after 3 sec. , re-power on to recover | | |
| | OVER VOLTAGE | 30 ~ 36V | 59 ~ 66V Protection type : Shut down o/p voltage, re-power on to recover | |
| | OVER TEMPERATURE | 110°C ±5°C (TSW1) Detect on heatsink of power transistor 85°C ±5°C (TSW2) Detect on heatsink of power diode Protection type : Shut down o/p voltage, recovers automatically after temperature goes down | | |
| ENVIRONMENT | WORKING TEMP. | -20 ~ +60°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%/°C (0 ~ 50°C) | | |
| | VIBRATION | Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6 | | |
| SAFETY & EMC (Note 4) | 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 | | |
| | 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, ENV52024, EN61204-3, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A | | |
| OTHERS | MTBF | 122.5Khrs min. MIL-HDBK-217F (25°C) | | |
| | DIMENSION | 276*125.2*100mm (W*H*D) | | |
| | PACKING | 3.3Kg; 4pcs/14.2Kg/1.14CUFT | | |
| 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 0.1uf & 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. | | | |

■ Mechanical Specification

Case No.934 Unit:mm



Admissible Din Rail: TS35/7.5 or TS35/15

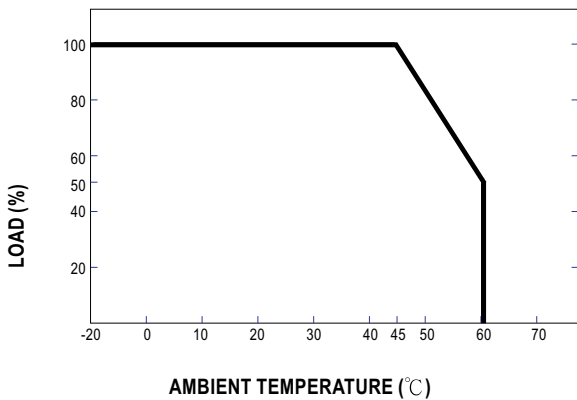
TB1 Terminal Pin. No Assignment

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

TB2 Terminal Pin. No Assignment

| Pin No. | Assignment |
|---------|--------------|
| 1,2,3 | DC OUTPUT +V |
| 4,5,6 | DC OUTPUT -V |

■ Derating Curve



■ Static Characteristics

