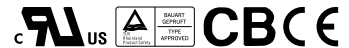




■ Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- Isolation class II
- LED indicator for power on
- No load power consumption < 1W
- 100% full load burn-in test
- 3 years warranty



SPECIFICATION

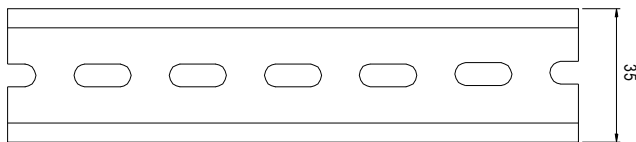
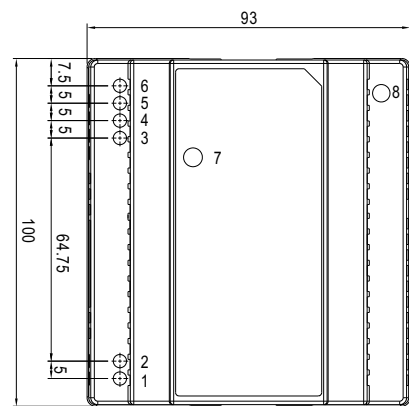
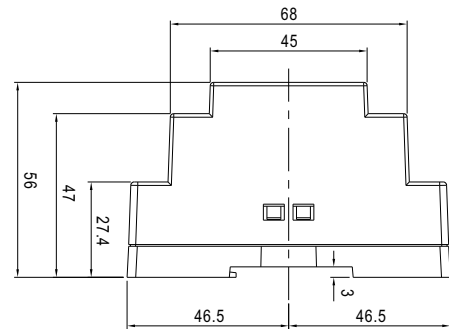
| MODEL | DR-100-12 | DR-100-15 | DR-100-24 | |
|-----------------------|---|---|-----------|----------|
| OUTPUT | DC VOLTAGE | 12V | 15V | 24V |
| | RATED CURRENT | 7.5A | 6.5A | 4.2A |
| | CURRENT RANGE | 0 ~ 7.5A | 0 ~ 6.5A | 0 ~ 4.2A |
| | RATED POWER | 90W | 97.5W | 100.8W |
| | RIPPLE & NOISE (max.) Note.2 | 120mVp-p | 120mVp-p | 150mVp-p |
| | VOLTAGE ADJ. RANGE | 12 ~ 15V | 15 ~ 18V | 24 ~ 29V |
| | VOLTAGE TOLERANCE Note.3 | ±2.0% | ±1.0% | ±1.0% |
| | LINE REGULATION | ±1.0% | ±1.0% | ±1.0% |
| | LOAD REGULATION | ±1.0% | ±1.0% | ±1.0% |
| | SETUP, RISE TIME | 2700ms, 80ms/230VAC 2700ms, 80ms/115VAC at full load | | |
| HOLD UP TIME (Typ.) | 50ms/230VAC 18ms/115VAC at full load | | | |
| INPUT | VOLTAGE RANGE | 88 ~ 264VAC 124 ~ 370VDC | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | |
| | EFFICIENCY (Typ.) | 87% | 87% | 89% |
| | AC CURRENT (Typ.) | 3A/115VAC 1.6A/230VAC | | |
| | INRUSH CURRENT (Typ.) | COLD START 30A/115VAC 45A/230VAC | | |
| PROTECTION | OVERLOAD | 105 ~ 135% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed | | |
| | OVER VOLTAGE | 16 ~ 20V | 19 ~ 23V | 30 ~ 35V |
| | OVER TEMPERATURE | 90°C ±15°C (RTH2) detect on heatsink of power transistor Protection type : Shut down o/p voltage, re-power on to recover | | |
| 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 | UL60950-1, TUV EN60950-1 approved, Design refer to EN50178 | | |
| | WITHSTAND VOLTAGE | I/P-O/P: 3KVAC | | |
| | ISOLATION RESISTANCE | I/P-O/P: >100M Ohms/500VDC 25°C 70%RH | | |
| | EMI CONDUCTION & RADIATION | Compliance to EN61204-3 | | |
| | HARMONIC CURRENT | Compliance to EN61000-3-2,-3 | | |
| | EMS IMMUNITY | Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2, EN61204-3, heavy industry level, criteria A | | |
| OTHERS | MTBF | 486K hrs min. MIL-HDBK-217F (25°C) | | |
| | DIMENSION | 100*93*56mm (W*H*D) | | |
| | PACKING | 0.35Kg; 36pcs/13.6Kg/1.1CUFT | | |
| NOTE | <ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC 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.970A Unit:mm

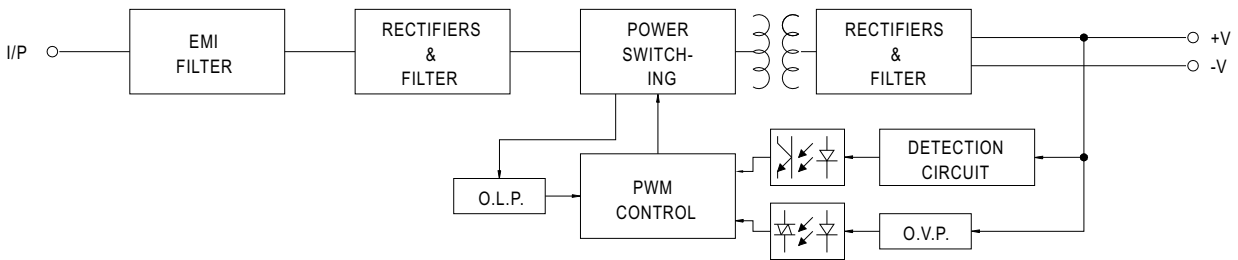
Terminal Pin No. Assignment

| Pin No. | Assignment | Pin No. | Assignment |
|---------|------------|---------|------------|
| 1 | AC/N | 5,6 | -V |
| 2 | AC/L | 7 | LED |
| 3,4 | +V | 8 | +V ADJ. |

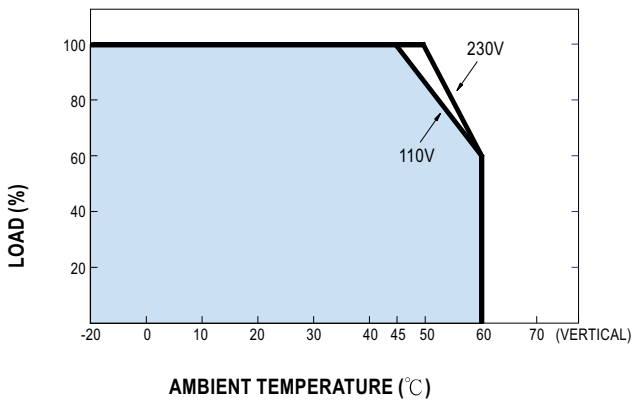


ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15

Block Diagram



Derating Curve VS Ambient Temperature



Output Derating VS Input Voltage

