


■ Features :

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment)approved
- Isolation class II
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty


SPECIFICATION

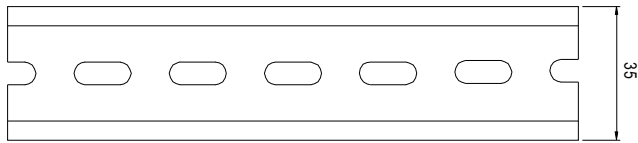
| MODEL | DR-60-5 | DR-60-12 | DR-60-15 | DR-60-24 | |
|-----------------------|---|---|--------------|----------------|--------------|
| OUTPUT | DC VOLTAGE | 5V | 12V | 15V | 24V |
| | RATED CURRENT | 6.5A | 4.5A | 4A | 2.5A |
| | CURRENT RANGE | 0 ~ 6.5A | 0 ~ 4.5A | 0 ~ 4A | 0 ~ 2.5A |
| | RATED POWER | 32.5W | 54W | 60W | 60W |
| | RIPPLE & NOISE (max.) Note.2 | 80mVp-p | 120mVp-p | 120mVp-p | 150mVp-p |
| | VOLTAGE ADJ. RANGE | 4.75 ~ 5.5V | 11.1 ~ 13.2V | 13.5 ~ 16.5V | 21.6 ~ 26.4V |
| | VOLTAGE TOLERANCE Note.3 | ±2.0% | ±1.0% | ±1.0% | ±1.0% |
| | LINE REGULATION | ±1.0% | ±1.0% | ±1.0% | ±1.0% |
| | LOAD REGULATION | ±1.0% | ±1.0% | ±1.0% | ±1.0% |
| | SETUP, RISE TIME | 100ms, 30ms/230VAC 200ms, 30ms/115VAC at full load | | | |
| HOLD UP TIME (Typ.) | 100ms/230VAC 23ms/115VAC at full load | | | | |
| INPUT | VOLTAGE RANGE | 88 ~ 264VAC 124 ~ 370VDC | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | |
| | EFFICIENCY (Typ.) | 76% | 82% | 83% | 84% |
| | AC CURRENT (Typ.) | 1.2A/115VAC 0.8A/230VAC | | | |
| | INRUSH CURRENT (Typ.) | COLD START 18A/115VAC 36A/230VAC | | | |
| PROTECTION | OVERLOAD | 105 ~ 160% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed | | | |
| | OVER VOLTAGE | 5.75 ~ 6.75V | 13.8 ~ 16.2V | 17.25 ~ 20.25V | 27.6 ~ 32.4V |
| | | 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 | 10 ~ 500Hz, 2G 10min./1cycle, period for 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 | | | |
| | EMI CONDUCTION & RADIATION | Compliance to EN55011,EN55022 (CISPR22) Class B | | | |
| | 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 | 216.2K hrs min. MIL-HDBK-217F (25°C) | | | |
| | DIMENSION | 78*93*56mm (W*H*D) | | | |
| | PACKING | 0.3Kg; 48pcs/15.4Kg/1.02CUFT | | | |
| NOTE | 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

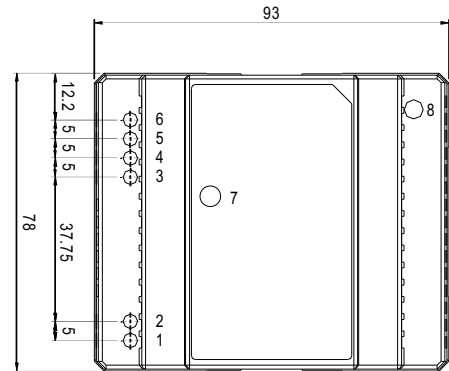
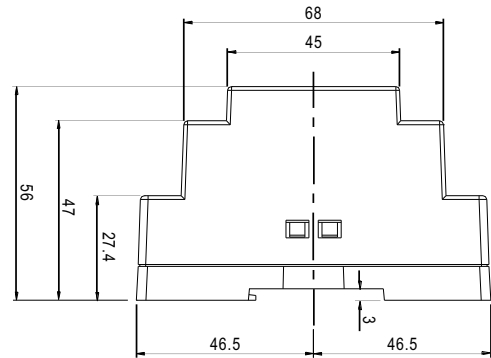
Case No.918B Unit:mm

Terminal Pin No. Assignment

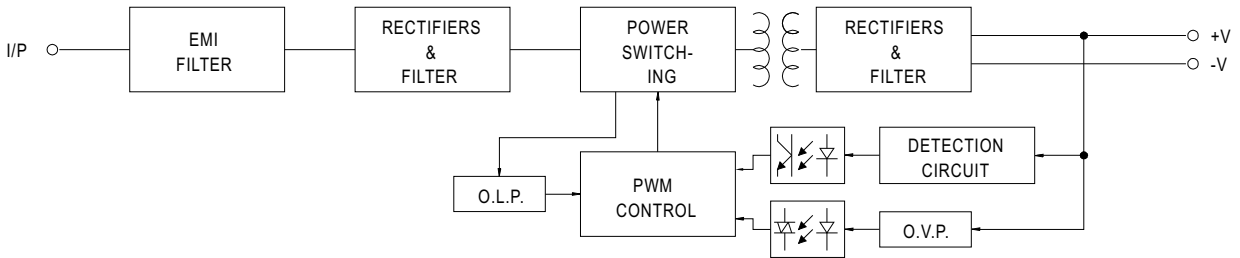
| Pin No. | Assignment | Pin No. | Assignment |
|---------|------------|---------|------------|
| 1 | AC/N | 5,6 | -V |
| 2 | AC/L | 7 | LED |
| 3,4 | +V | 8 | +V ADJ. |



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



Block Diagram



Derating Curve

