



■ Features :

- Universal AC input/Full range
- Protections: Short circuit/Over load/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

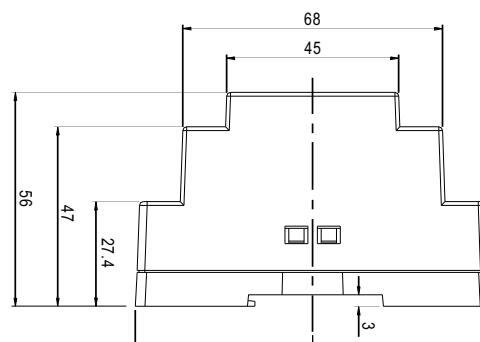


**SPECIFICATION**

MODEL	DR-60-5	DR-60-12	DR-60-15	DR-60-24
OUTPUT	DC VOLTAGE	5V	12V	15V
	RATED CURRENT	6.5A	4.5A	4A
	CURRENT RANGE	0 ~ 6.5A	0 ~ 4.5A	0 ~ 4A
	RATED POWER	32.5W	54W	60W
	RIPLPE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p
	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V	11.1 ~ 13.2V	13.5 ~ 16.5V
	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	100ms, 30ms/230VAC	200ms, 30ms/115VAC at full load	
INPUT	HOLD TIME (Typ.)	100ms/230VAC	23ms/115VAC at full load	
	VOLTAGE RANGE	88 ~ 264VAC	124 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	76%	82%	83%
	AC CURRENT (Typ.)	1.2A/115VAC	0.8A/230VAC	
PROTECTION	INRUSH CURRENT (Typ.)	COLD START 18A/115VAC	36A/230VAC	
	OVER LOAD	105 ~ 160% rated output power		
		Protection type : Constant current limiting, recovers automatically after fault condition is removed		
ENVIRONMENT	OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V
		Protection type : Shut down o/p voltage, re-power on to recover		27.6 ~ 32.4V
SAFETY & EMC (Note 4)	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		
OTHERS	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		
NOTE	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		
	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		
	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.			

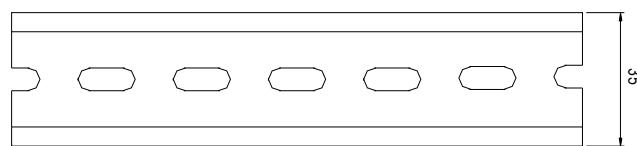
**Mechanical Specification**

Case No.918B Unit:mm

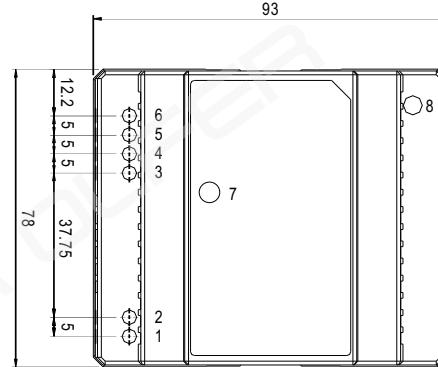
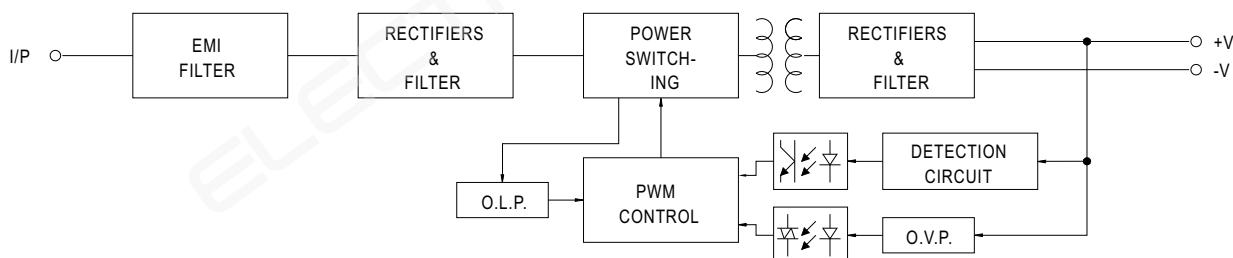


## Terminal Pin No Assignment

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



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

**Block Diagram****Output Derating**