

- Universal AC input
- Protections: Short circuit / Overload / Over voltage
- 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



Model Number	Output Volts	Output Amps	Min Load	Efficiency	Ripple and Noise	DC Volt Adjust	OVP
<b>SINGLE OUTPUT</b>							
DR60-5	5 Volts(DC)	6.5 Amps	0 ~ 6.5Amps	76%	80mVpk-pk	4.75~5.5V	5.75~6.75V
DR60-12	12 Volts(DC)	4.5 Amps	0 ~ 4.5Amps	82%	120mVpk-pk	11.1~13.2V	13.8~16.2V
DR60-15	15 Volts(DC)	4 Amps	0 ~ 4Amps	83%	120mVpk-pk	13.5~16.5V	17.25~20.25V
DR60 -24	24 Volts(DC)	2.5 Amps	0 ~ 2.5Amps	84%	150mVpk-pk	21.6~26.4V	27.6~32.4V

60W Single Output Industrial DIN Rail Power Supply

**DR60** series

**INPUT SPECIFICATIONS**

Input Voltage Range	90~264VAC / 124-370 Volts (DC)
Frequency Range	47-63 Hz
Inrush Current, typ: (cold start)	18 Amps @ 115VAC 36 Amps @ 230VAC
Input Current	1.2 Amps. @ 115VAC 0.8 Amps. @ 230VAC
Leakage current	< 1mA / 240VAC
DC Voltage Adjust	See Selection Chart

**OUTPUT SPECIFICATIONS**

Voltage and Current	See Selection Chart
Line Regulation	±1%
Load Regulation	±1%
Voltage Tolerance (Note 2)	±2% 5Volts(DC) only ±1% 12~24Volts(DC)
Ripple/Noise (Note 1)	See Selection Chart
Hold Up Time @ FL	100mS @ 230VAC 23mS @115VAC
Setup, Rise Time @ FL	100ms, 30ms/230VAC 200mS, 30mS/115VAC
Over Current Protection	105~160% rated output power Constant current limit, auto recover
Over Voltage Protection	See Selection Chart Shut down o/p voltage, re-power
DC Voltage Adjust	See Selection Chart

All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

**GENERAL SPECIFICATIONS**

Safety	UL60950-1 TUV EN60950-1 approved Design refer to EN50178
Insulation Resistance	≥ 100MΩ / 500Volts(DC)
EMI	Compliance to EN55022B (CISPR22B)
Harmonic Current	Compliance to EN61000-3-2,-3
Isolation	3000VAC Input - Output
EMS	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2, EN61204-3, heavy industry level, criteria A

**ENVIRONMENTAL SPECIFICATIONS**

Oper. Temperature	-20°C to +60°C (See derate curve)
Storage Temperature	-40°C to +85°C, 10~95% RH
Relative Humidity	20 to +90% RH
Temperature Coefficient	±0.03% / °C (0-50°C)
MTBF	216.2K Hrs min, MIL-HDBK-217F(25°C)
Vibration	10~500Hz, 2G10min./1cycle, period for 60min. each along X, Y, Z axes

**PHYSICAL SPECIFICATIONS**

Size	
Millimeters	78 x 93 x 56
Inches	3.07" x 3.66" x 2.20"
Weight	10.58 oz (300g)

**NOTE**

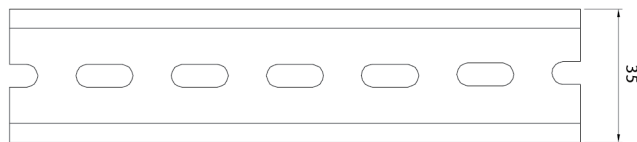
1. Ripple & Noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
2. Tolerance: includes set up tolerance, line regulation and load regulation.

### Mechanical Specification

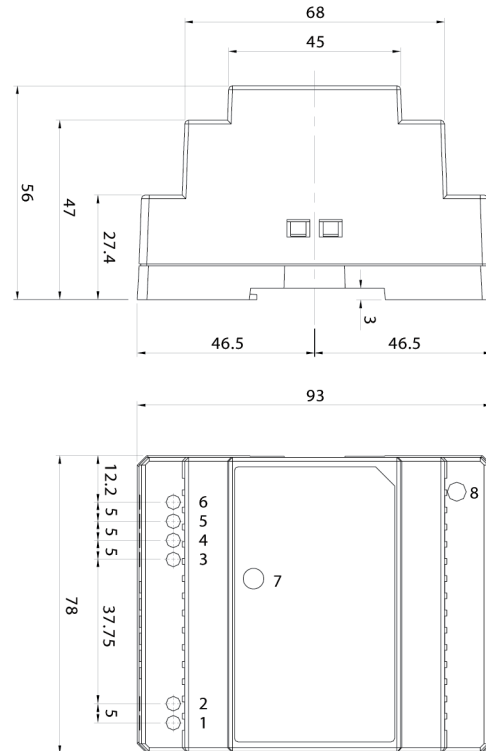
Case No.918B Unit:mm

Terminal Pin No. Assignment

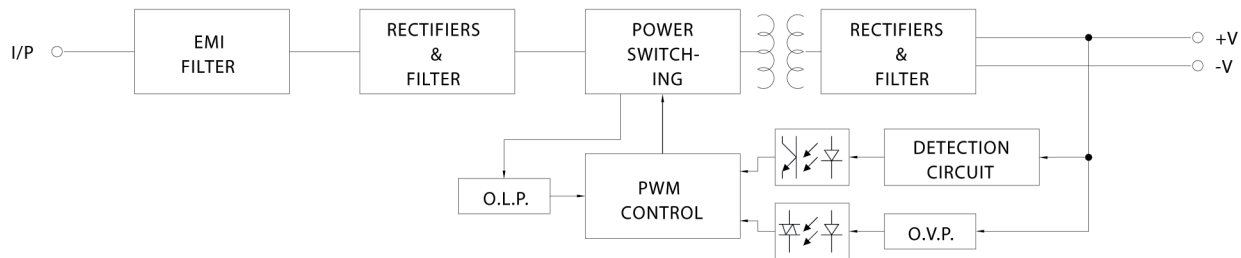
Pin No.	Assignment	Pin No.	Assignment
1	AC/N	5,6	-V
2	AC/L	7	LED
3,4	+V	8	+VADJ.



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



### Block Diagram



■ Derating Curve

