

- 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
SINGLE OUTPUT							
DR30-5	5 Volts(DC)	3 Amps	0 ~ 3Amps	74%	80mVpk-pk	4.75~5.5V	5.75~6.75V
DR30-12	12 Volts(DC)	2 Amps	0 ~ 2Amps	81%	120mVpk-pk	10.8~13.2V	13.8~16.2V
DR30-15	15 Volts(DC)	2 Amps	0 ~ 2Amps	82%	120mVpk-pk	13.5~16.5V	17.25~20.25V
DR30 -24	24 Volts(DC)	1.5 Amps	0 ~ 1.5Amps	83%	150mVpk-pk	21.6~26.4V	27.6~32.4V

30W Single Output Industrial DIN Rail Power Supply

DR30 series

INPUT SPECIFICATIONS

Input Voltage Range	90~264VAC / 120-370 Volts (DC)
Frequency Range	47-63 Hz
Inrush Current, typ: (cold start)	15 Amps @ 115VAC
	30 Amps @ 230VAC
Input Current	0.88 Amps. @ 115VAC
	0.48 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
	21mS @115VAC
Setup, Rise Time @ FL	500ms, 30ms/230VAC
	500mS, 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 non cond
Temperature Coefficient	0.03% / °C (0-50°C)
MTBF	441.5K Hrs min, MIL-HDBK-217F(25°C)
Vibration	10~500Hz, 2G10min./1cycle, period for
	60min. each along X, Y, Z axes
	Mounting: Compliance to IEC60068-2-6

PHYSICAL SPECIFICATIONS

Size	
Millimeters	78 x 93 x 56
Inches	3.07" x 3.66" x 2.20"
Weight	9.52 oz (270g)

NOTE

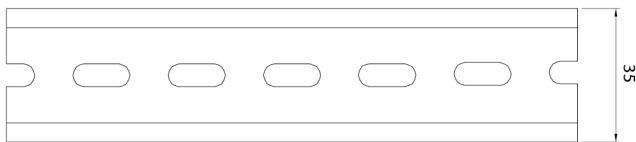
1. Ripple & Noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
2. Tolerance: includes set up tolerance, line regulation and load regulation.

Mechanical Specification

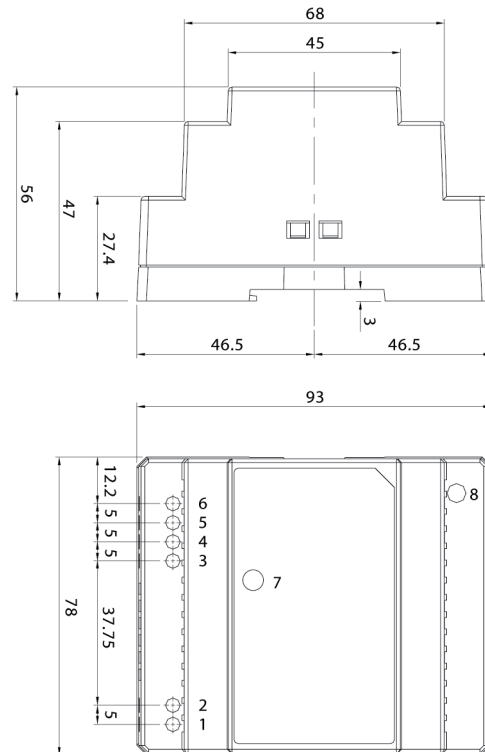
Case No. 918B Unit:mm

Terminal Pin No. Assignment

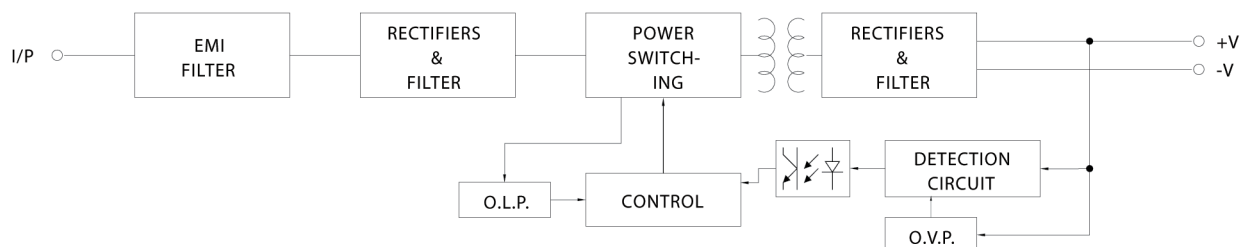
Pin No.	Assignment	Pin No.	Assignment
1	AC/N	5,6	-V
2	AC/L	7	LED
3,4	+V	8	+VADJ.



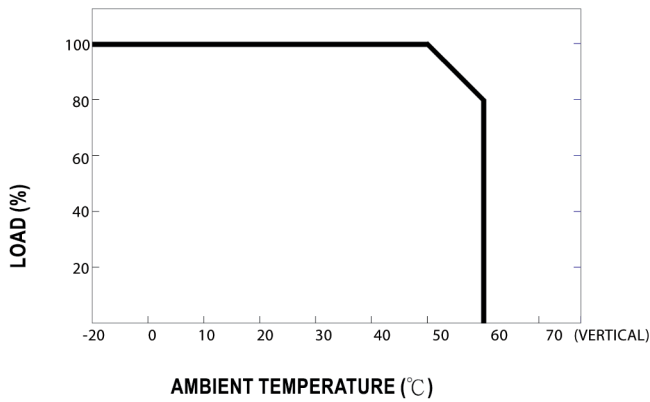
ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15



Block Diagram



■ Derating Curve



■ Output Derating VS Input Voltage

