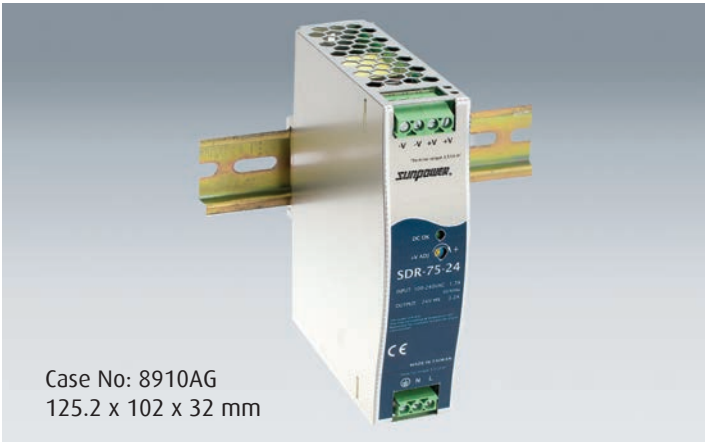


SDR-75 Series

75W Single Output Industrial DIN RAIL with Power Supply



Case No: 8910AG
125.2 x 102 x 32 mm

Features

- High efficiency 90% and low power dissipation
- 150% peak load capability
- 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
- UL 508 (industrial control equipment) approved
- EN61000-6-2(EN50082-2) industrial immunity level
- 100% full load burn-in test
- 3 years warranty



Specification

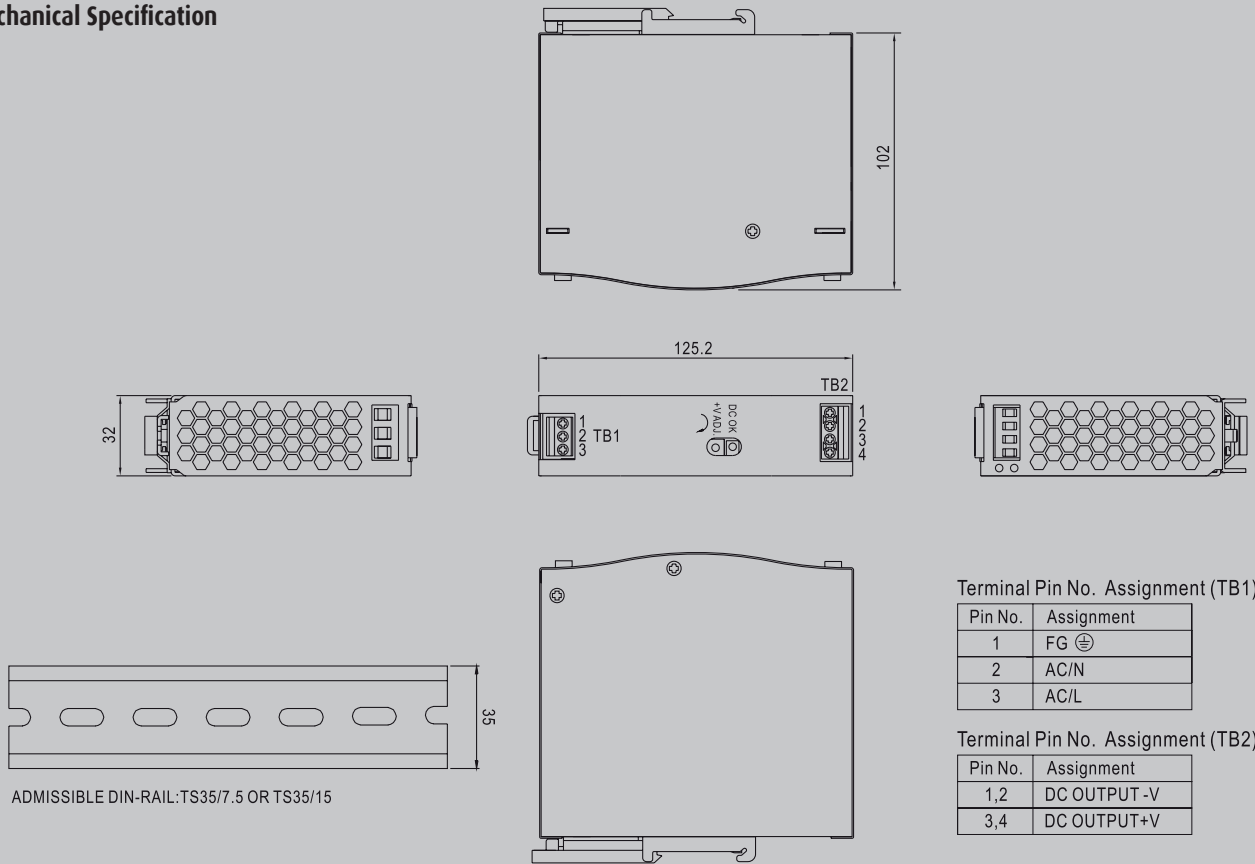
INPUT	Voltage	88V ~ 264VAC 124 ~ 370VDC		
	Frequency	47 ~ 63 Hz		
	Efficiency	88.5%	89%	90%
	Current	1.4A@115VAC	0.85A@230VAC	
	Inrush Current (Typ.)	30A@115VAC	50A@230VAC	
	Leakage Current	<1mA@240VAC		
OUTPUT	MODEL No.	SDR-75-12	SDR-75-24	SDR-75-48
	Voltage	12V	24V	48V
	Rated Current	6.3A	3.2A	1.6A
	Current Range	0 ~ 6.3A	0 ~ 3.2A	0 ~ 1.6A
	Rated Power	75.6W	76.8W	76.8W (Peak Power 112.5W for 3 sec.)
	Peak Current	9.375A	4.69A	2.34A
	Ripple Noise MAX	100mVp-p	100mVp-p	120mVp-p
	Voltage Adj. Range	12 ~ 14V	24 ~ 28V	48 ~ 55V
	Voltage Tolerance	± 1.0%	± 1.0%	± 1.0%
	Line Regulation	± 0.5%	± 0.5%	± 0.5%
	Load Regulation	± 1.0%	± 1.0%	± 1.0%
	Setup Rise Time	1500ms, 60ms / 230VAC1 3000ms, 60ms / 115VAC at full load		
	Holdup Time (Typ.)	80ms / 230VAC 20ms / 115VAC at full load		
	Overload	Normally works within 110 ~ 115% rated output power for more than 3 seconds and then shut down o/p voltage, re-power to recover 150% ~ 170% rated power, constant current limiting with auto-recovery within 3 seconds, and then shut down o/p voltage after 3 seconds, re-power on to recover		
	PROTECTION	Over Voltage	14~17V	29~33V
		Protection Type: Constant current limiting, recovers automatically after fault condition is removed		
Over Temperature		100° C ± 5° C (RTHZ) detect on heatsink of power switch		
	Protection Type: Shut down o/p voltage, re-power on to recover after temperature goes down			
ENVIRONMENT	Working Temp.	-30~+70°C (Refer to "Derating Curve")		
	Working Humidity	20~95% RH non-condensing		
	Storage Temp., Humidity	-40~+80°C, 10~95%RH		
	Temp. Co-efficient	±0.03% / °C (0~60°C)		
	Vibration	Component: 10~500Hz, 2G 10min./1cycle, 60 min. each along X, Y, Z axes; mounting: Compliance to IEC60068-2-6		
SAFETY & EMC	Safety Standards	UL508, TUV EN60950-1 approved, design refer to GL, (meets EN6024)		
	Withstand Voltage	I/P-OP:3KVAC	I/P-FG:2KVAC	O/P-FG:0.5KVAC
	Isolation Resistance	I/P-O/P, I/P-FG:>1000hms / 500VDC / 25°C / 70%RH		
	EMC Emission	Compliance to EN55022 (CISPR22). EN61204-3 Class B, EN61000-3-2,-3		
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN55024, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A SEMI F47 approved		
OTHERS	MTBF	K hrs min. MIL-HDBK-217F (25°C)		
	Packaging	0.51Kg; 28pcs/15.3Kg/1.25CUFT		

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple and 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.
5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source.

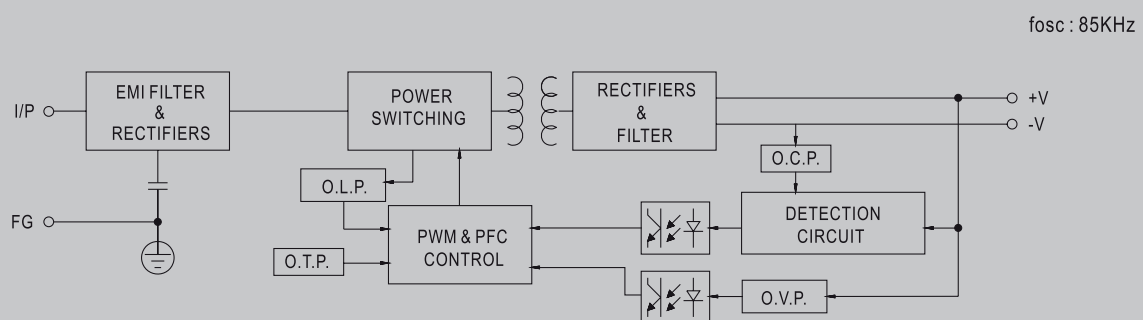
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75W Single Output Industrial DIN RAIL with Power Supply

Mechanical Specification



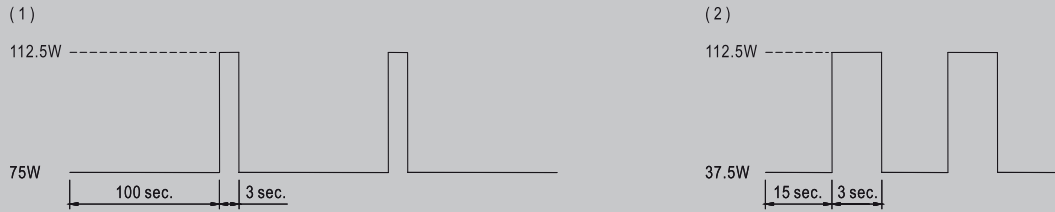
Block Diagram



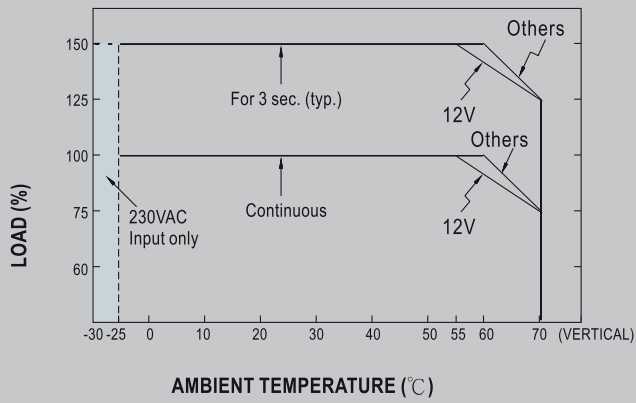
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Peak Loading



Derating Curve



Output derating VS input voltage

