

75W Einzelausgang Schaltnetzteil mit PFC- Funktion SP-75

75W single output with PFC-Function SP-75



- Features :
- Universal AC input / Full range
 - Built-in active PFC function, PF>0.93
 - Protections: Short circuit/Over load/Over voltage
 - Built-in constant current limiting circuit
 - Low profile: 33mm thickness
 - LED indicator for power on
 - 100% full load burn-in test
 - Fixed switching frequency at PFC: 67KHz PWM: 134KHz
 - 3 years warranty



SPECIFICATION

MODEL	SP-75-3.3	SP-75-5	SP-75-7.5	SP-75-12	SP-75-13.5	SP-75-15	SP-75-24	SP-75-27	SP-75-48	
OUTPUT	DC VOLTAGE	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V
	RATED CURRENT	15A	15A	10A	6.3A	5.6A	5A	3.2A	2.8A	1.6A
	CURRENT RANGE	0 ~ 15A	0 ~ 15A	0 ~ 10A	0 ~ 6.3A	0 ~ 5.6A	0 ~ 5A	0 ~ 3.2A	0 ~ 2.8A	0 ~ 1.6A
	RATED POWER	49.5W	75W	75W	75.6W	75.6W	75W	76.8W	75.6W	76.8W
	RIPPLE & NOISE (max.) ²	80mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	100mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	3.14 ~ 3.63V	4.75 ~ 5.5V	7.13 ~ 8.25V	11.4 ~ 13.2V	12.8 ~ 14.9V	14.3 ~ 16.5V	22.8 ~ 2	6.4V 23.7 ~ 29.7V	43.6 ~ 52.8V
	VOLTAGE TOLERANCE ^{Note}	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
SETUP, RISE, HOLD TIME	600ms, 60ms, 20ms at full load									
INPUT	VOLTAGE RANGE ^{Note.5}	85 ~ 264VAC		120 ~ 370VDC						
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR	PF>0.93/230VAC		PF>0.96/115VAC at full load						
	EFFICIENCY (Typ.)	68%	72%	74%	77%	78%	79%	80%	80%	80%
	AC CURRENT	1.3A/115VAC		0.7A/230VAC						
	INRUSH CURRENT (max.)	COLD START 40A/230VAC								
LEAKAGE CURRENT	<2mA/ 240VAC									
PROTECTION	OVER LOAD	105 ~ 150% rated output power Protection type : Constant current limiting, recovers automatic ly after fault condition is removed								
	OVER VOLTAGE	3.8 ~ 4.46V	5.75 ~ 6.75V	8.63 ~ 10.13V	13.8 ~ 16.2V	15.53 ~ 18.23V	17.25 ~ 20.25V	27.6 ~ 32.4V	31.05 ~ 36.45V	55.2 ~ 64.8V
FUNCTION	REMOTE CONTROL (OPTION)	ON: 3.4 ~ 10VDC POWER OFF, <0 ~ 0.8VDC POWER ON								
	WORKING TEMP.	-10 ~ +60 (Refer to output load derating curve)								
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-20 ~ +85, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.05%/°C (0 ~ 50)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes								
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 Approved								
	ISOLATION RESISTANCE	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC								
	EMI CONDUCTION & RADIATION	Compliance to 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, Light industry level, criteria A								
OTHERS	MTBF	208.8K hrs min. MIL-HDBK-217F (25 °C)								
	DIMENSION	179*97*33mm (L*W*H)								
	PACKING	0.58Kg; 20pcs/12Kg/0.64CUFT								
NOTE	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input 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. 5. Derating may be needed under low input voltages. Please check the derating curve for more details. 									

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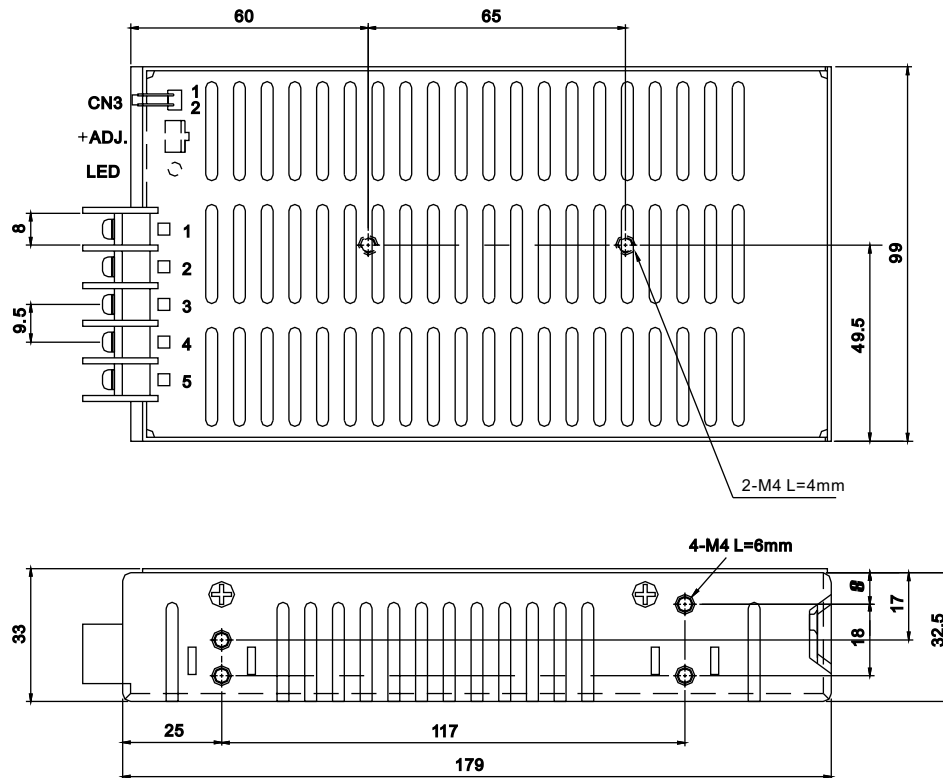
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Mechanical Specification

Case No. 920A Unit:mm



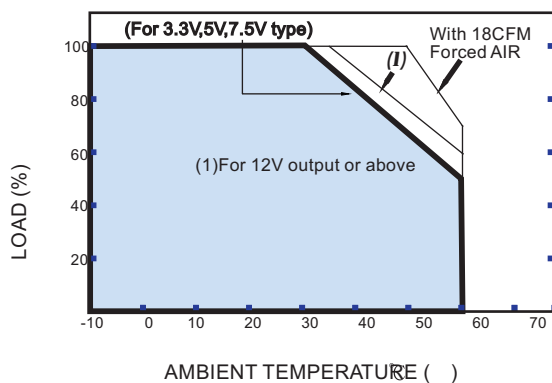
Terminal pin number assignment :

Pin No.	Assignment	Pin No.	Assignment
1	DC OUTPUT +V	3	FG
2	DC OUTPUT -V	4,5	AC INPUT

Remote ON/OFF(CN3):Molex 5046-02or equivalent(optional)

Pin No.	Assignment	Mating Housing	Terminal
1	RC-	Molex 5051 or equivalent	Molex 2759 or equivalent
2	RC+		

Derating Curve



Output Derating VS Input Voltage

