



Features:

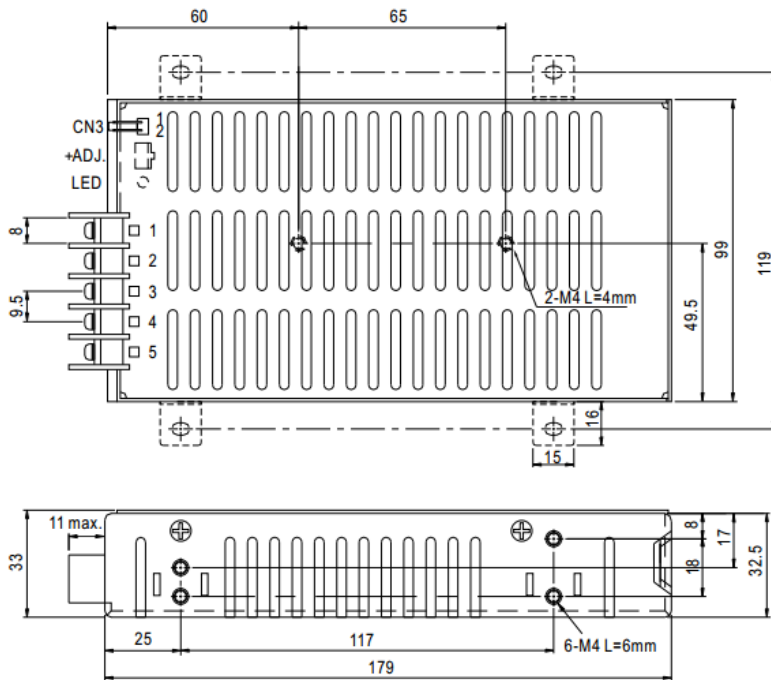
- Universal AC input / full range
- Build-in active PFC function, PF >0.93
- Protections: Short circuit / Overload / Over voltage
- Built-in constant current limiting circuit
- Low profile: 33mm thickness
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at PFC:67KHz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

Specification



Model	MW75-PS5	MW75-PS12	MW75-PS15	MW75-PS24	MW75-PS48	
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	48V
	RATED CURRENT	15A	6.3A	5A	3.2A	1.6A
	CURRENT RANGE	0 - 15A	0 - 6.3A	0 - 5A	0 - 3.2A	0 - 1.6A
	RATED POWER	75W	75.6W	75W	76.8W	76.8W
	RIPPLE + NOISE MAX. ²	80mVp-p	80mVp-p	80mVp-p	100mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	4.75-5.5V	11.4-13.2V	14.3-16.5V	22.8-26.4V	45.6-52.8V
	VOLTAGE TOLERANCE ³	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP - RISE TIME	600ms, 60ms at full load				
HOLD UP TIME (typ.)	36ms at full load					
INPUT	VOLTAGE RANGE ⁵	85-264VAC 120-370VDC				
	FREQUENCY FACTOR	47-63Hz				
	POWER FACTOR (typ.)	PF>0.93/230VAC 0.96/115VAC at full load				
	EFFICIENCY (typ.)	72%	77%	79%	80%	80%
	AC CURRENT (typ.)	1.3A/115VAC 0.7A/230VAC				
	INRUSH CURRENT	COLD START 30A/230VAC				
	LEAKAGE CURRENT	<2mA / 240VAC				
PROTECTION	OVERLOAD	105-150% rated output power Protection type: Constant current limiting, recovers automatically after fault condition is removed				
	OVER VOLTAGE	5.75-6.75V	13.8-16.2V	17.25-20.25V	27.6-32.4V	55.2-64.8V
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down				
ENVIRON- MENT	WORKING TEMP.	-10 - +60°C (refer to output load derating curve)				
	WORKING HUMIDITY	20-90% RH non-condensing				
	STORAGE TEMP. HUMIDITY	-20 - +85°C 10-95% RH				
	TEMP. COEFFICIENT	±0.05% / °C (0-50°C)				
	VIBRATION	10-500Hz, 2G 10 min./1 cycle, 60 min. each along X, Y, Z axes				
SAFETY AND EMC ⁴	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH				
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B				
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3				
	EMC 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	179x97x33mm (LxWxH)				
	PACKING	0.95Kg;15pcs/15.3Kg/0.69CUFT				
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 and 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.					

Mechanical Specification



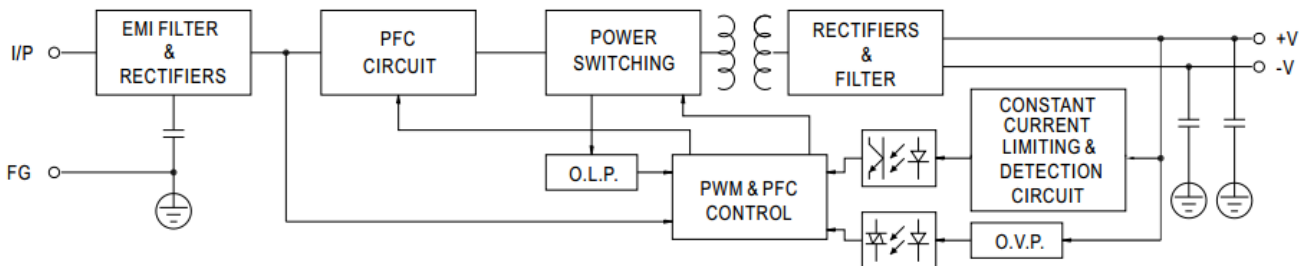
Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	DC OUTPUT +V	4	AC/N
2	DC OUTPUT -V	5	AC/L
3	FG \perp		

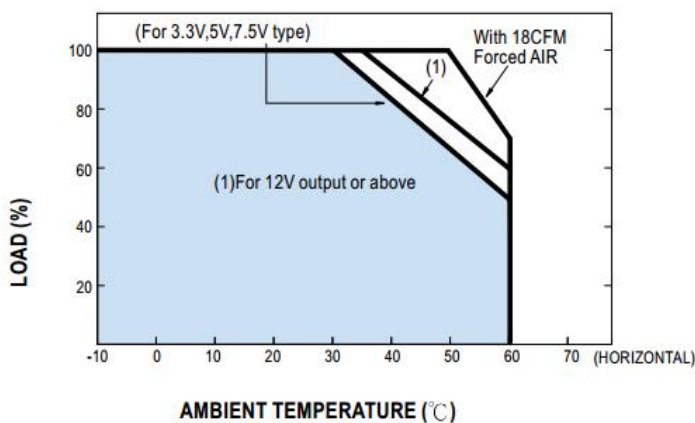
Remote ON/OFF(CN3): Molex 5046-02 or equivalent(optional)

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

Block Diagram



Derating Curve



Output Derating VS Input Voltage

