

MDR 20W DIN RAIL SWITCHING POWER SUPPLY

Features

1. Universal AC input/ Full range
2. Installed on DIN rail TS35/ 7.5 OR 15
3. Protection: short circuit/ over-load/ over-voltage
4. No load power consumption <0.75W
5. LED indicator for power on
6. DC OK signal output (20W)
7. DC OK relay contact (40W&60W)
8. Cooling by free air condition
9. 100% full load burn-in
10. 2 years warranty
11. MDR-20-24 12V 1.67A 20W Din Rail Switching Power Supply

Specification

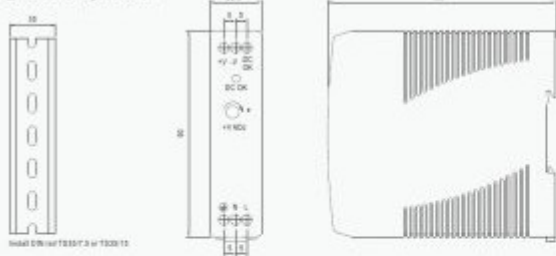
Model		MDR-20-5	MDR-20-12	MDR-20-15	MDR-20-24	
Output	DC output Voltage	5V	12V	15V	24V	
	Voltage tolerance	±1.0%	±1.0%	±1.34%	±1.0%	
	Rated Current	3A	1.67A	0.67A	0.42A	
	Related Power	15w	20w	20w	24w	
	Wave&Noise	80mVp-p	120mVp-p	120mVp-p	150mVp-p	
	Voltage adjust range	4.75-5.5V	10.8-13.2V	13.5-16.5V	21.6-26.4V	
	Set up,rise time	500ms 30ms/230VAC 1000ms,30ms/115VAC at full load				
	hold up time	50ms/230VAC 20ms/115VAC at full load				
Input	Voltage Range	85 ~ 264VAC 47-63HZ 120-370VDC				
	Input Current	0.55A/115VAC 0.35A/230VAC				
	Efficiency	77%	81%	81%%	84%	
	AC inrush current	Cold start current 35A/115V 70A/230VAC				
	Leakage current	<1mA/240VAC				
Protection	Overload	Above 105%-160% rated output power				
		hiccup mode, recovery automatically after fault condistion is removed				
	Over voltage	5.75V-6.75V	13.8V-16.2V	17.25-20.25V	27.6-32.4V	
		Shut down o/p voltage, re-power on to recover				
Function	DC OK active single	3.75-6V/ 50mA	9-13.5V/40mA	11.5-16.5V/ 40mA	18-27V/20mA	

Environment	Working temp humidity	-20~+70°C 20%~90%RH
	Stor temp, humidity	-20~+85°C 20%~90%RH Non-condensing
Safety	safety standards	UL508,TUV EN60950-1 approved
	Withstand voltage	I/P-O/P:3KVAC I/P-FG:2KVA O/P-FG:0.5KVA
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25 /70%RH
	EMC emission	Compliance to EN55011,EN55022,EN61204-3 class B,EN61000-3-2,-3
Size	size	L22.5*W90*H100mm
	Package	0.19kg,72pcs/15kg

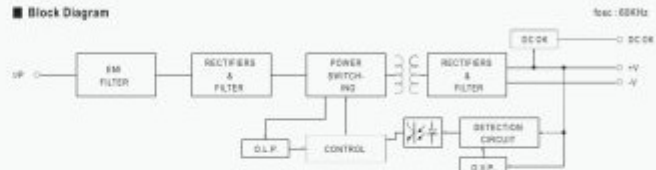
Note:1.All parameters not specially mentioned are measured at 230VAC input, related load and 25 f ambient temperature.2.Wave&noise are measured at 20MHz of bandwidth by using a 12" twisted pair wire terminated with a 0.1uf&47uf parallel capacitor.3.Tolerance: includes set up tolerance, line regulation and load regulation.

Outline and dimension

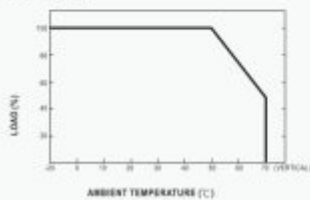
Mechanical Specification



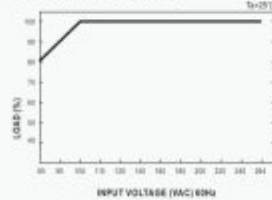
Block Diagram



Derating Curve



Output Derating VS Input Voltage



Application of DC OK Active Signal

