

MDR POWER SUPPLY MDR-40W

Feature

Universal AC input/ full range
 Protections: Short circuit/ Over load/ Over voltage
 Cooling by free air convection
 Can be installed on DIN rail TS-35/7.5 or 15
 isolation classII
 LED indicator for power on
 100% full load burn-in test
 2 years warranty

Specification

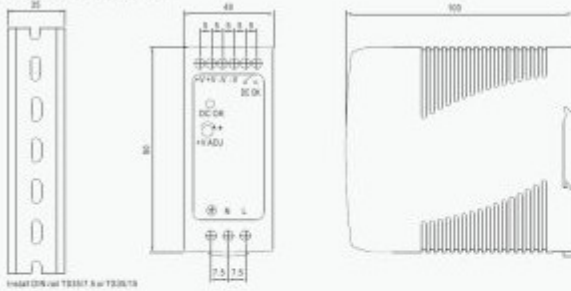
40W dinrail switching power supply
 Universal AC input/full range
 Protections: Short circuit/over load/over voltage
 Cooling by free air convection
 Can be installed on DIN-Rail: TS-35/7.5 or TS-35/15
 Built in DC OK active signal
 LED indicator for power on
 No load power consumption<0.75W
 100% full load burn-in test
 1 year warranty

Model		MDR-40-5	MDR-40-12	MDR-40-15	MDR-40-24	
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	30w	40w	40.8w	39.8w	
	Wave&Noise	80mVp-p	120mVp-p	120mVp-p	150mVp-p	
	Voltage adjust range	5-6V	12-15V	24-30V	48-56V	
	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	6.25-7.25V	15.6-18V	31.6-36V	57.6-64.8V
		Shut down o/p voltage, re-power on to recover			
Function	DC OK active single	Relay contact rating(max) :30V/1A resistive			
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 %RH			
	EMC emission	Compliance to EN55011,EN55022,EN61204-3 class B,EN61000-3-2,-3			
Size	size	40*90*100mm W*H*D			
	Package	0.3kg,42pcs/14kg			
<p>Note:1.All parameters not specially mentioned are measured at 230VAC input, related load and 25 of 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.</p>					

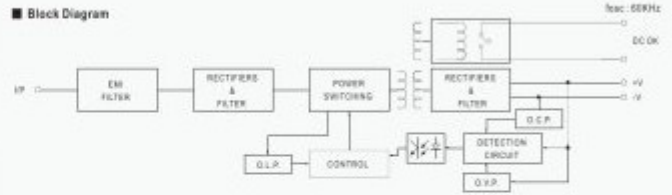
Outline and dimension

Mechanical Specification

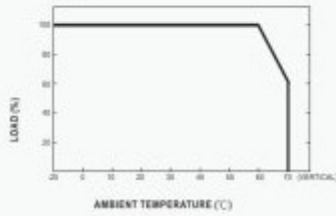


High Density Terminal Block 7.5mm Pitch

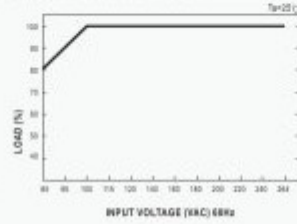
Block Diagram



Derating Curve



Output Derating VS Input Voltage



DC OK Relay Contact

Contact Close	When the output voltage reaches the adjusted output voltage.
Contact Open	When the output voltage drop below 90% output voltage.
Contact Ratings (max.)	30V/1A resistive load