

乐清市乐宇自动化电气有限公司

Yueqing Leyu Electric Automation Co., Ltd.

20W Single Output Industrial DIN Rail Power Supply MDR-20 series

Features:

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

LED indicator for power on 100% full load burn-in test

2 years warranty

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SPECIFICATIONS	;				
OUTPUT					
Model	MDR-20-5	MDR-20-12	MDR-20-15	MDR-20-24	
DC Voltage	5V	12V	15V	24V	
Rated Current	3A	1.67A	1.34A	1A	
Current Range	0-3A	0-1.67A	0-1.34A	0-1A	
Rated Power	15W	20W	20W	24W	
Ripple & Noise	80mVp-p	120mVp-p	120mVp-p	150mVp-p	
Voltage Tolerance	±2%	±1%	±1%	±1%	
Line regulation	±1.0%	±1.0%	±1.0%	±1.0%	
Load regulation	±1.0%	±1.0%	±1.0%	±1.0%	
Setup, Rise Time	500ms,30ms/230VAC 1000ms,30ms/115VAC at full load				
Hold Up Time	50ms/230VAC 25ms/115VAC at full load				
INPUT					
Voltage Range	85~264VAC 47~63Hz; 120~370VDC				
AC Current	0.55A/115VAC 0.35A/ 230VAC				
Efficiency	76%	80%	81%	84%	
Inrush Current	Cold start 20A/115V 40A/230V				
Leakage Current	<1mA/240VAC				
PROTECTION					
Over Load	105% ~ 160% 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	
	Protection type: Shut down o/p voltage, re-power on to recover				
ENVIRONMENT					
ENVIKONMENI					



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Working Temp., Humidity	-20℃~+70℃; 20%~90% RH non-condensing		
Storage Temp., Humidity	-40℃~+85℃; 10%~95%RH		
Temp. Coefficient	±0.03%/°Q(0~50°C)		
Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes		
SAFETY			
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-F/G: 100M Ohms / 500VDC/25°C/70% RH		
STANDARD			
Safety Standard	Design refer to UL508,TUV EN60950-1		
EMC Standard	Design refer to EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11,EN55024, EN61000-6-1, EN61204-3, light industry level, criteria A		
OTHERS			
Dimension	22.5*90*100mm(W*H*D)		
Weight	0.19Kg		
Packing	72pcs/carton/14.7kg/0.91CUFT		
NOTE			

- 1.All parameters NOT specially mentioned are measured at 230VAC input, rated 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 0.1µf & 47µf 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.



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