





■ Features :

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- * Built in DC OK active signal
- LED indicator for power on
- No load power consumption<0.75W
- 100% full load burn-in test
- 3 years warranty



SPECIFICATION

C UL us	R33100	ERC	TOVERelation ZERHELIEFT TOVERelation ZERHELIEFT TOVERelation TOVERELET TOVERELET	CB	CER
	R33100	TRTCOM	BS EN/EN62368-1	IEC62368-1	

MODEL	ATION	MDR-20-5	MDR-20-12	MDR-20-15	MDR-20-24					
	DC VOLTAGE	5V	12V	15V	24V					
ОИТРИТ	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 (max.) Note.2		120mVp-p	120mVp-p	150mVp-p					
	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V					
	VOLTAGE TOLERANCE Note.3		±1.0%	±1.0%	±1.0%					
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%					
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%					
			0ms, 30ms/115VAC at full load							
	HOLD UP TIME (Typ.)	50ms/230VAC 20ms/115VAC at full load								
	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
INPUT	EFFICIENCY (Typ.)	76%	80%	81%	84%					
	AC CURRENT (Typ.)	0.55A/115VAC 0.35A/230V		0.70	0.70					
	INRUSH CURRENT (Typ.)	COLD START 20A/115VAC 40A/230VAC								
	LEAKAGE CURRENT	<1mA/240VAC								
PROTECTION -		105 ~ 160% rated output power								
	OVERLOAD	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								
FUNCTION	DC OK ACTIVE SIGNAL (max.)	3.75 ~ 6V / 50mA	9 ~ 13.5V / 40mA	11.5 ~ 16.5V / 40mA	18 ~ 27V / 20mA					
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20~90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%°C (0~50°C)								
	VIBRATION	Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6								
	SAFETY STANDARDS	UL508, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS 62368.1 approved								
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC								
EMC	ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH									
(Note 4)	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B								
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2, 3, 4, 5, 6, 8, 11, BS EN/EN55024,BS EN/EN61000-6-1,BS EN/EN61204-3, light industry level, criteria A, EAC TP TC 020								
OTHERS	MTBF	236.9K hrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	22.5*90*100mm (W*H*D)								
	PACKING	0.17Kg; 72pcs/13.2Kg/1.04CUF	Т							
NOTE	Ripple & noise are measure Tolerance : includes set up id The power supply is conside EMC directives. For guidance (as available on http://www.f5. Length of set up time is med 6. The ambient temperature de	ers NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. includes set up tolerance, line regulation and load regulation. supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets ves. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." e on http://www.meanwell.com) et up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time. It temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). bility Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx								



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