



20W Single Output Industrial DIN Rail Power Supply



■ 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



■ GTIN CODE

SPECIFICATION MODEL		MDR-20-5	MDR-20-12	MDR-20-15	2 BS EN/EN62368-1 IEC62368-1 MDR-20-24	
WODEL	DO VOLTA OF					
ОИТРИТ	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 (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	±2.0%	±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%	
	SETUP, RISE TIME Note.5	5 500ms, 30ms/230VAC 1000ms, 30ms/115VAC at full load				
	HOLD UP TIME (Typ.)	50ms/230VAC 20ms/115VAC at full load				
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	76%	80%	81%	84%	
	AC CURRENT (Typ.)	0.55A/115VAC 0.35A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 20A/115VAC 40A/230VAC				
	LEAKAGE CURRENT	<1mA/240VAC				
		105 ~ 160% rated output power				
PROTECTION	OVERLOAD Protection type: Constant current limiting, recovers automatically after fault condition is removed					
		5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	
	OVER VOLTAGE	Protection type : Shut down	n/n voltage re-power on to	recover		
FUNCTION	DC OK ACTIVE SIGNAL (max.)		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 , IS13252(Part1)/IEC60950-1 approved				
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-FG:100M Ohms / 500VDC / 25°C / 70% RH				
EMC (Note 4)		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				
(11010-1)	EMC EMISSION EMC IMMUNITY	Compliance to BS EN/EN61000-4-2, 3, 4, 5, 6, 8, 11, BS EN/EN55035,BS EN/EN61000-6-1,BS EN/EN61204-3, light industry level, EAC TP TC 020				
	MTBF	2780.8K hrs min. Telcordia SR-332 (Bellcore) ; 236.9K hrs min. MIL-HDBK-217F (25°C)				
OTHERS	DIMENSION	22.5*90*100mm (W*H*D)				
	PACKING	0.17Kg; 72pcs/13.2Kg/1.04C	HFT			
NOTE	All parameters NOT speciall Ripple & noise are measure Tolerance : includes set up The power supply is conside EMC directives. For guidanc (as available on https://www Length of set up time is mea The ambient temperature de	Illy mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. tolerance, line regulation and load regulation. lered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets ice on how to perform these EMC tests, please refer to "EMI testing of component power supplies." w.meanwell.com//Upload/PDF/EMI_statement_en.pdf) sasured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time. selerating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).				



