





■ 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
- Class I, Div 2 Hazardous Locations T4
- LED indicator for power on
- DC OK relay contact
- No load power consumption<0.75W
- 100% full load burn-in test
- 3 years warranty



■ GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

SPECIFICATION

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UL62368-1	RoHS	TDTC004	1913252	BS EN/EN62368-1	

					N02300-1 1EC02300-1					
MODEL		MDR-40-5	MDR-40-12	MDR-40-24	MDR-40-48					
	DC VOLTAGE	5V	12V	24V	48V					
	RATED CURRENT	6A	3.33A	1.7A	0.83A					
	CURRENT RANGE	0 ~ 6A	0 ~ 3.33A	0 ~ 1.7A	0 ~ 0.83A					
	RATED POWER	30W	40W	40.8W	39.8W					
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	150mVp-p	200mVp-p					
OUTPUT	VOLTAGE ADJ. RANGE	5 ~ 6V	12 ~ 15V	24 ~ 30V	48 ~ 56V					
	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	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load								
	HOLD UP TIME (Typ.)	50ms/230VAC 20ms/115VAC at full load								
	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC								
INPUT	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	78%	85%	88%	88%					
	AC CURRENT (Typ.)	1.1A/115VAC 0.7A/230VAC								
	INRUSH CURRENT (Typ.)	COLD START 30A/115VAC 60A/230VAC								
	LEAKAGE CURRENT	<1mA / 240VAC								
PROTECTION		105 ~ 150% rated output power								
	OVERLOAD	Protection type : Constant curre	nt limiting, recovers automatically	y after fault condition is removed						
	OVERVOLTAGE	6.25 ~ 7.25V	15.6 ~ 18V	31.2 ~ 36V	57.6 ~ 64.8V					
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover								
FUNCTION	DC OK SIGNAL	Relay contact rating(max.): 30V/1A resistive								
	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")								
L .	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, period for 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6								
	SAFETY STANDARDS	UL508, UL62368-1, TUV BS EN/EN62368-1, Class I, Div. 2 Group A, B, C, D Hazardous Locations T4, EAC TP TC 004, BSMI CNS14336-1, AS/NZS 60950.1, IS13252(Part1)/IEC60950-1(except 48V)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 / 500 VDC / 25° C/ 70% RH								
	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/EN55035, BS EN/EN61000-6-2, BS EN/EN61204-3, heavy industry level, EAC TP TC 020								
	MTBF	2418.5K hrs min. Telcordia S	R-332 (Bellcore) ; 301.7K hrs mir	n. MIL-HDBK-217F (25°C)						
OTHERS	DIMENSION	40*90*100mm (W*H*D)								
	PACKING	0.3Kg; 42pcs/13.6Kg/0.82CUFT	•							
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. 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. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. The ambient 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). Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx 									
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