



40W Single Output Industrial DIN Rail Power Supply

MDR-40 series



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
- LED indicator for power on
- DC OK relay contact
- No load power consumption<0.75W
- 100% full load burn-in test
- 3 years warranty





MODEL		MDR-40-5	MDR-40-12	MDR-40-24	MDR-40-48	
ОИТРИТ	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	
	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 5	00ms, 30ms/115VAC at fu	ull 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.)	78%	86%	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 current limiting, recovers automatically after fault condition is removed				
		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	<u> </u>	
FUNCTION	DC OK SIGNAL	Relay contact rating(max.): 30V/1A resistive				
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to output load 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, period for 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-				
	SAFETY STANDARDS	UL508, TUV EN60950-1 Approved				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC				
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms/500VDC 25°C 70%RH				
EMC (Note 4)	EMI CONDUCTION & RADIATION	Compliance to EN55011, EN55022 (CISPR22), EN61204-3 Class B				
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3				
	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2, EN61204-3 heavy industry level, criteria A				
OTHERS	MTBF	301.7K hrs min. MIL-HDBK-217F (25°C)				
	DIMENSION	40*90*100mm (W*H*D)				
	PACKING	0.3Kg; 42pcs/13.6Kg/0.82CU	FT			
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid EMC directives.	ally 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 of & 47 of parallel capacitor. of tolerance, line regulation and load regulation. dered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets be assured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.				

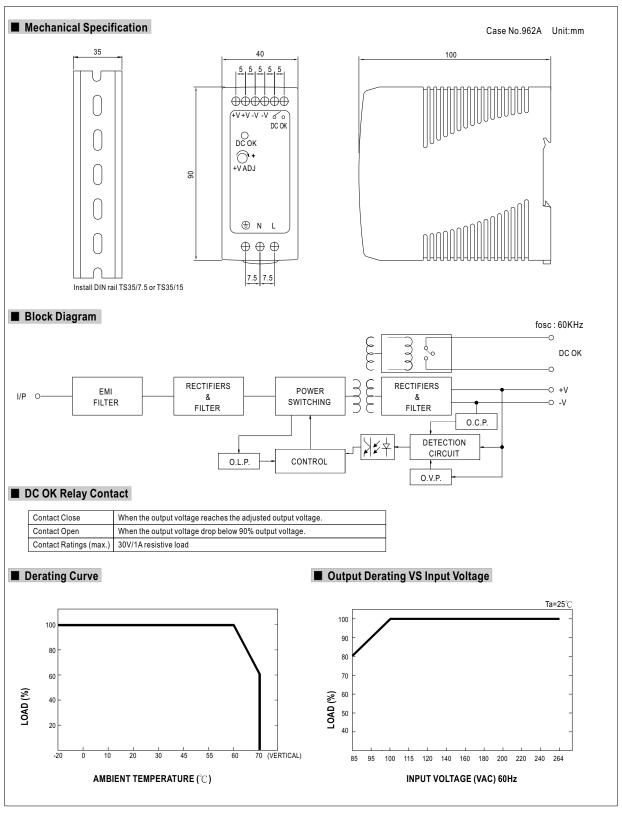
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Assured Systems

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