

### 10W Single Output Industrial DIN Rail Power Supply

# MDR-10 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
- 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**

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	RoHS	TPTC004	BS EN/EN62368-1	IEC62368-1	

MODEL	ATION	MDR-10-5	MDR-10-12	MDR-10-15	EN62368-1 IEC62368-1 MDR-10-24					
WIODEL	DOVOLTAGE									
ОИТРИТ	DC VOLTAGE	5V	12V	15V	24V					
	RATED CURRENT	2A 0~2A	0.84A	0.67A	0.42A					
	CURRENT RANGE		0 ~ 0.84A	0 ~ 0.67A	0 ~ 0.42A					
	RATED POWER	10W	10W	10W	10W					
	RIPPLE & NOISE (max.) Note.2	''	120mVp-p	120mVp-p	150mVp-p					
	VOLTAGE TOLERANCE Note.3		±3.0%	±3.0%	±2.0%					
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%					
	LOAD REGULATION	±5.0%	±3.0%	±3.0%	±2.0%					
		500ms, 30ms/230VAC 1000ms, 30ms/115VAC at full load								
	HOLD UP TIME (Typ.)	120ms/230VAC 25ms/115VAC at full load								
	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC								
INPUT	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	77%	81%	81%	84%					
	AC CURRENT (Typ.)	0.33A/115VAC								
	INRUSH CURRENT (Typ.)	COLD START 35A/115VAC 70A/230VAC								
	LEAKAGE CURRENT	<1mA/240VAC								
PROTECTION OVER VOLTAGE	Above 105% rated output power									
	OVEREDAD	<b>71</b> 1 .	ecovers automatically after fault							
		5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V					
		Protection type : Shut down o/p								
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 leve EAC TP TC 020								
	MTBF	3334.7K hrs min. Telcordia SR-332 (Bellcore) ; 584.0K hrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	22.5*90*100mm (W*H*D)								
	PACKING	0.15Kg; 72pcs/11.8Kg/1.04CUFT								
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>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."         <ul> <li>(as available on http://www.meanwell.com)</li> <li>Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.</li> <li>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).</li> </ul> </li> <li>Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</li> </ol>									

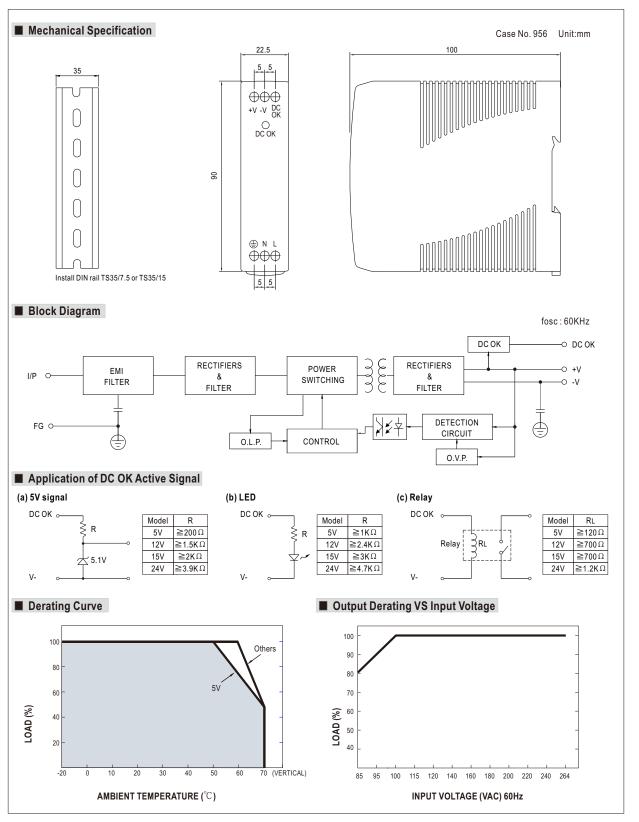
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## We are here for you. Addresses and Contacts.

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