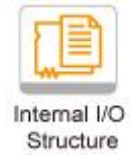


MDR-60-48
60W Single Output Industrial DIN Rail Power Supply



~ NEW ~



Model: MDR-60-48

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
- NEC class 2/LPS compliant (48V only)
- LED indicator for power on
- DC OK relay contact
- No load power consumption < 0.75W
- 100% full load burn-in test

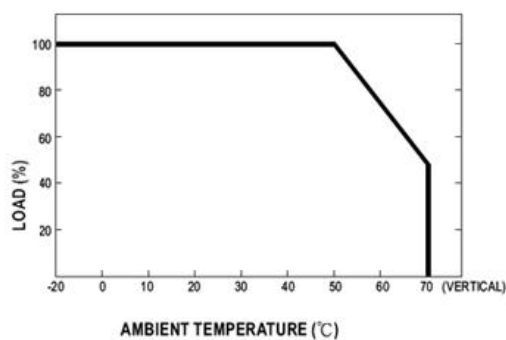
Specifications

Input	
Voltage range	85 ~ 264 VAC 120 ~ 370 VDC
Frequency range	47 ~ 63 Hz
Efficiency (Typ.)	87%
Leakage current (max.)	1.8 A/115 VAC 1 A/230 VAC
Inrush Current (Typ.)	COLD START 30 A/115 VAC 60 A/230 VAC
Leakage current	<1 mA / 240 VAC
Output	
DC Voltage	48 V
Rated Current	1.25 A

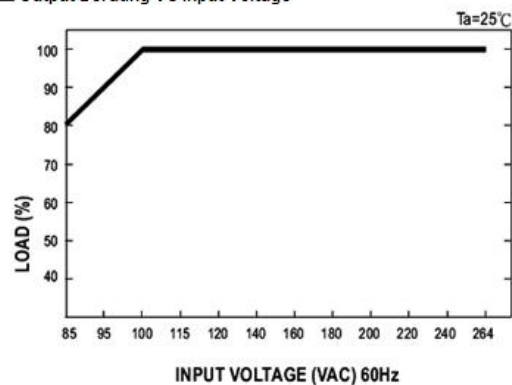
Current Range	0 ~ 1.25 A
Rated power	60 W
Ripple & noise (max.) Note.2	200mVp-p
Voltage ADJ. range	48 ~ 56 V
Voltage Tolerance Note.3	±1.0%
Line Regulation	±1.0%
Load regulation	±1.0%
Setup, rise Time Note.5	500 ms, 30 ms/230 VAC 500 ms, 30 m/115 VAC at full load
Hold up time (Typ.)	50 ms/230 VAC 20 ms/115 VAC at full load
Protection	
Overload	105 ~ 150% rated output power
	Protection type : Constant current limiting, recovers automatically after fault condition is removed
Over voltage	57.6 ~ 64.8V
	Protection type : Shut down o/p voltage, re-power on to recover
Function	
DC OK signal	Relay contact rating(max.): 30V/1A resistive
Environmental	
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 : each along X, Y, Z axes ; Mounting : Compliance to IEC60068-2-6 10 ~ 500Hz, 2G 10min./1cycle, period for 60min.
Safety & EMC (Note 4)	
Safety standards	UL508, TUV EN60950-1 approved, NEC class 2 / LPS compliant (24V,48V only)
Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms/500VDC 25°C 70%RH

EMI Conduction & Radiation	Compliance to EN55011, EN55022 (CISPR22), EN61204-3 Class B
Hsrmonic 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
DC OK Relay Contact	
Contact Close	When the output voltage reaches the adjusted output voltage.
Contact Open	When the output voltage drop below 90% output voltage.
Contact Ratings (max.)	30V/1A resistive load
Others	
MTBF	299.2K hrs min. MIL-HDBK-217F (25°C)
Dimension (W x H x D)	40 mm x 90 mm x 100 mm
Packing	0.33Kg; 42pcs/14.8Kg/0.82CUFT
NOTE	
<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. 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. 5. 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. 	

■ Derating Curve



■ Output Derating VS Input Voltage



Ordering Information

MDR-60-48 CR	48V/1.25A, 60W Single Output Industrial DIN Rail Power Supply
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[TOP](#) | [HOME](#)