

NDR-240-48



240W Single Output Industrial DIN RAIL Power Supply

Features

- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508 (industrial control equipment)approved
- EN61000-6-2 (EN50082-2) industrial immunity level
- 100% full load burn-in test













Specification

MODEL		NDR-240-48
ОИТРИТ	DC VOLTAGE	48V
	RATED CURRENT	5A
	CURRENT RANGE	0~5A
	RATED POWER	240W
	RIPPLE & NOISE (max.) Note.2	150mVp-p
	VOLTAGE ADJ. RANGE	48 ~ 55V
	VOLTAGE TOLERANCE Note.3	±1.0%
	LINE REGULATION	±0.5%
	LOAD REGULATION	±1.0%
	SETUP, RISE TIME	1500ms, 100ms/230VAC 3000ms, 100ms/115VAC at full load
	HOLD UP TIME (Typ.)	28ms/230VAC 22ms/115VAC at full load
	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC at full load
INPUT	EFFICIENCY (Typ.)	90%
	AC CURRENT (Typ.)	2.5A/115VAC 1.3A/230VAC
	INRUSH CURRENT (Typ.)	20A/115VAC 35A/230VAC
	LEAKAGE CURRENT	<1mA / 240VAC
PROTECTION	OVERLOAD	105 ~ 130% rated output power
		Protection type: Constant current limiting, recovers automatically after fault condition is
		removed
	OVER VOLTAGE	56 ~ 65V
		Protection type: Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down
	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")
ENVIRONMENT	WORKING HUMIDITY	20 ~ 95% 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 & EMC (Note 4)	SAFETY STANDARDS	UL508, TUV EN60950-1, EAC TP TC 004, BSMI CNS14336-1 approved ;(meet EN60204-1)
	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 EMISSION	Compliance to EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 02
		CNS13438
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), EN61204-3
		heavy industry level, criteria A, EAC TP TC 020



Innovation to your needs

MODEL		NDR-240-48
OTHERS	MTBF	230.2K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	63*125.2*113.5mm (W*H*D)
	PACKING	1Kg; 12pcs/13Kg/1.1CUFT
NOTE	1. All parameters NOT specially mentions are measured at 201 capacitor. 3. Tolerance: includes set up tolerance. 4. Derating may be needed under low 5. Installation clearances: 40mm on the permanently with full power. In case 6. The power supply is considered a confirmed that it still meets EMC discomponent power supplies."	oned are measured at 230VAC input, rated load and 25°C of ambient temperature. MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel etc., line regulation and load regulation. I input voltage. Please check the derating curve for more details. Top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded the the adjacent device is a heat source, 15mm clearance is recommended. Tomponent which will be installed into a final equipment. The final equipment must be rerectives. For guidance on how to perform these EMC tests, please refer to "EMI testing of
	7. 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).	





