

SPECIFICATION



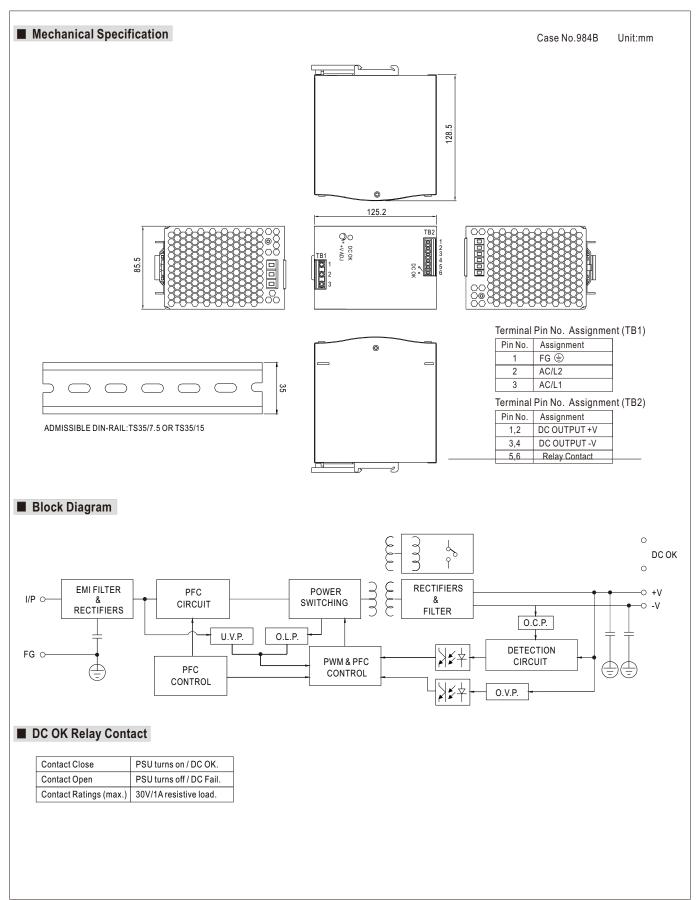
■ Features :

- Single and two phase wide input range 180~550VAC
- Built-in active PFC circuit compliance to EN61000-3-2
- High efficiency 93% and low power dissipation
- 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
- Built-in DC OK relay contact
- 100% full load burn-in test
- 3 years warranty

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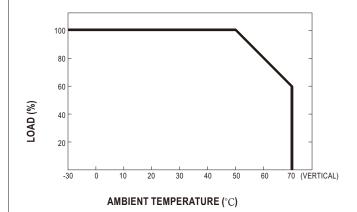
MODEL		WDR-480-24	WDR-480-48
	DC VOLTAGE	24V	48V
OUTPUT	RATED CURRENT	20A	10A
		0 ~ 20A	
	CURRENT RANGE		0 ~ 10A
	RATED POWER	480W	480W
	RIPPLE & NOISE (max.) Note.2		150mVp-p
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V
	VOLTAGE TOLERANCE Note.3	_	±1.0%
	LINE REGULATION	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%
	SETUP, RISE TIME	800ms, 150ms/400VAC 2000ms, 150ms/230VAC at full load	
	HOLD UP TIME (Typ.)	18ms / 400VAC 16ms / 230VAC at full load	
INPUT	VOLTAGE RANGE Note.6	180 ~ 550VAC 254 ~ 780VDC	
	FREQUENCY RANGE	47 ~ 63Hz	
	POWER FACTOR (Typ.)	PF≥0.84/400VAC PF≥0.84/230VAC	
	EFFICIENCY (Typ.)	92%	93%
	AC CURRENT (Typ.)	1.6A/400VAC 4A/230VAC	
	INRUSH CURRENT (Typ.)	COLD START 50A	
	LEAKAGE CURRENT	<3.5mA / 530VAC	
PROTECTION		105 ~ 130% rated output power	
	OVERLOAD		3 sec. ,auto-recovery after 1 minute if the fault condition is removed
	OVER VOLTAGE	29 ~ 33V	56 ~ 65V
		Protection type: Shut down o/p voltage, auto-recovery after 1 min	
	OVER TEMPERATURE	95°C ±5°C (TSW) detect on heatsink of power switch	
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down	
FUNCTION	DO OV DEALY CONTACT DATINGS (may)		
ENVIRONMENT	DC OK REALY CONTACT RATINGS (max.)	00 7007 (7.4) 17.4 (0.4)	
	WORKING TEMP. Note.5	20 ~ 95% RH non-condensing	
	WORKING HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH	
	STORAGE TEMP., HUMIDITY		
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6	
	VIBRATION	UL508, EAC TP TC 004 approved, IEC60950-1 CB approved by SIQ, design refer to GL; (meet EN60204-1)	
	SAFETY STANDARDS		
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC O/P-DC OK: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 EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020	
	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 approved	
OTHERS	MTBF	112.8K hrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	85.5*125.2*128.5mm (W*H*D)	
	PACKING	1.7Kg; 8pcs/14.6Kg/0.9CUFT	
NOTE	1. All parameters NOT specially mentioned are measured at 400VAC input, rated load and 25°C 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. Installation classrances: 40mm on top, 20mm on the bottom. 5mm on the left and right side are recommended when leaded permanently with full power.		
	5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended.		
	6. Derating may be needed under low input voltage. Please check the derating curve for more details.		
	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).		







■ Derating Curve



■ Output derating VS input voltage

