







■ Features :

- Single and two phase wide input range 180~550VAC
- Built-in active PFC circuit compliance to BS EN/EN61000-3-2
- High efficiency 91% 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
- BS EN/EN61000-6-2(BS EN/EN50082-2) industrial immunity level
- Built-in DC OK relay contact
- 100% full load burn-in test
- 3 years warranty



SPECIFICATION

MW Search: https://www.meanwell.com/serviceGTIN.aspx

SINZS62368-1 TPTC004 CBCEKK

SPECIFICATION			AS/NZS62368-1 TPTC004 UL508 IEC62368-1	
MODEL		WDR-240-24	WDR-240-48	
	DC VOLTAGE	24V	48V	
OUTPUT	RATED CURRENT	10A	5A	
	CURRENT RANGE	0 ~ 10A	0 ~ 5A	
	RATED POWER	240W	240W	
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V	
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	
	LOAD REGULATION	±1.0%	±1.0%	
	SETUP, RISE TIME	800ms, 150ms/400VAC 1500ms, 150ms/230VAC at full load	1	
	HOLD UP TIME (Typ.)	18ms / 400VAC 18ms / 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.)	91%		
	AC CURRENT (Typ.)	1A/400VAC 2A/230VAC		
	INRUSH CURRENT (Typ.)	COLD START 50A		
	LEAKAGE CURRENT	<3.5mA / 530VAC		
	OVERLOAD	105 ~ 130% rated output power		
PROTECTION		Protection type: Constant current limiting, unit will shut down after	3 sec., auto-recovery after 1 minute if the fault condition is remove	
	OVER VOLTAGE	29 ~ 33V	56 ~ 65V	
		Protection type: Shut down o/p voltage, auto-recovery after 1 mil	nute if the fault condition is removed	
	OVER TEMPERATURE	90°C±5°C (TSW) detect on heatsink of power switch		
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down		
FUNCTION	DC OK REALY CONTACT RATINGS (max.)	60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive load		
ENVIRONMENT	WORKING TEMP. Note.5	00 T000 (D.C.), ID. (I. O. II)		
	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,EAC TP TC 004 approved,IEC62368-1 CB approved by SIQ,design refer to BS EN/EN62368-1, AS/NZS 62368.1,GL; (meet BS EN/EN60204-1)		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC O/P-DC OK: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 BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020		
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN5503 heavy industry level, EAC TP TC 020 approved	5, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN61204-3	
OTHERS	MTBF	1062.8K hrs min. Telcordia SR-332 (Bellcore) ; 141.1K hrs mir	n. MIL-HDBK-217F (25°C)	
	DIMENSION	63*125.2*113.5mm (W*H*D)		
	PACKING	1.06Kg; 12pcs/13.7Kg/1.22CUFT		
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consided EMC directives. Installation clearances : 40r In case the adjacent devices.	ally mentioned are measured at 400VAC input, rated load and 25°C of ambient temperature. red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. to 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 to the component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets to the component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets to the component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets to the component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets to the component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets to the component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets to the component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets to the component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets to the component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets to the component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets to the component which will be installed into a final equipment with a fi		

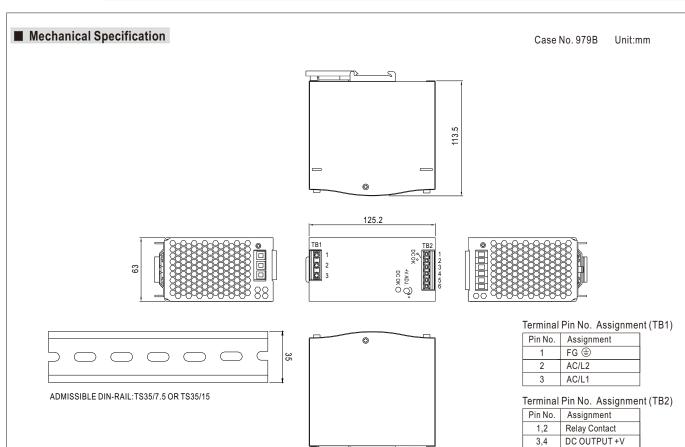
7. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).

6. Derating may be needed under low input voltage. Please check the derating curve for more details.

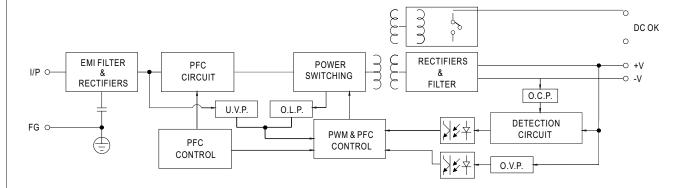
5.6

DC OUTPUT -V





■ Block Diagram

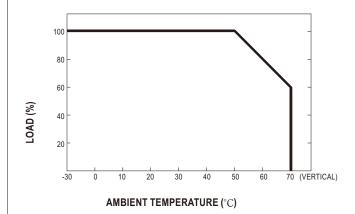


■ DC OK Relay Contact

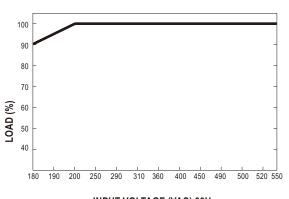
Contact Close	PSU turns on / DC OK.	
Contact Open	PSU turns off / DC Fail.	
Contact Ratings (max.)	30V/1A resistive load.	



■ Derating Curve



■ Output derating VS input voltage



INPUT VOLTAGE (VAC) 60Hz