



960W Three Phase Industrial DIN RAIL Power Supply

DRT-960 series



Features:

- Three-Phase AC 340 ~ 550V wide range input
- High efficiency 91% and low dissipation
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Optional parallel function(1+1)
- 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
- 3 years warranty

SPECIFICATION

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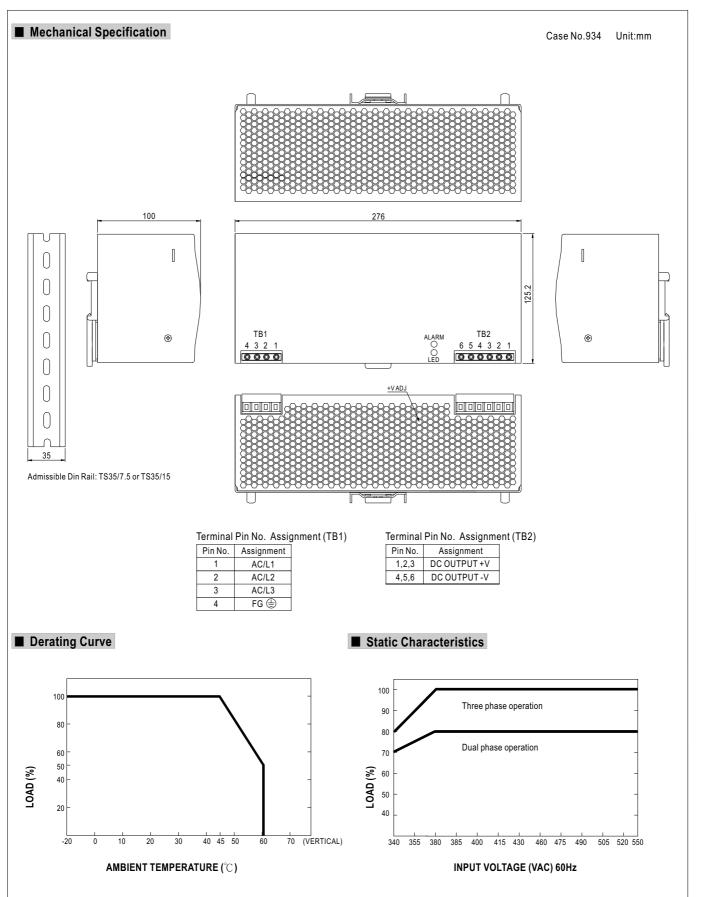
F	DC VOLTAGE RATED CURRENT	24V	48V				
(RATED CURRENT		40 V				
		40A	20A				
F	CURRENT RANGE	0~40A	0 ~ 20A				
	RATED POWER	960W	960W				
F	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p				
OUTPUT	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V				
١	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%				
_	LINE REGULATION	±0.5%	±0.5%				
L	LOAD REGULATION	±0.5%	±0.5%				
5	SETUP, RISE TIME	200ms, 60ms/400VAC 200ms, 60ms/500VAC at full load					
ŀ	HOLD UP TIME (Typ.)	14ms/400VAC 30ms/500VAC at full load					
VOLTAGE RANGE		Three-Phase 340 ~ 550VAC (Dual phase operation possible in connecting L1,L3,FG Note.5)					
F	FREQUENCY RANGE	47 ~ 63Hz					
E	EFFICIENCY (Typ.)	91%	92%				
INPUT	AC CURRENT (Typ.)	2A/400VAC 1.6A/500VAC					
Ī	INRUSH CURRENT (max.)	COLD START 50A					
L	LEAKAGE CURRENT	<3.5mA / 530VAC					
		105 ~ 125% rated output power					
(OVERLOAD	Protection type: Constant current limiting, unit will shut down o/p voltage after 3 sec., re-power on to recover					
	0/50 /0/ 74 05	30 ~ 36V 59 ~ 66V					
PROTECTION	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover					
	OVED TEMPEDATURE	110°C ±5°C (TSW1) Detect on heatsink of power transistor 85°C ±5°C (TSW2) Detect on heatsink of power diode					
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down					
١	WORKING TEMP.	-20 ~ +60°C (Refer to output load derating curve)					
V	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH					
1	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)					
١	VIBRATION	Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6					
8	SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950-1 Approved					
SAFETY & .	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					
EMC (Note 4)	EMI CONDUCTION & RADIATION	Compliance to EN55011 (CISPR11), EN55022 (CISPR22), EN61204-3 Class B					
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3					
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61204-3, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A					
1	MTBF	122.5Khrs min. MIL-HDBK-217F (25°C)					
OTHERS [DIMENSION	276*125.2*100mm (W*H*D)					
	PACKING	3.3Kg; 4pcs/14.2Kg/1.14CUFT					
NOTE	 Ripple & noise are measure Tolerance : includes set up The power supply is conside EMC directives. 	ly mentioned are measured at 400VAC input, rated load and 25 at 20MHz of bandwidth by using a 12" twisted pair-wire termi tolerance, line regulation and load regulation. ered a component which will be installed into a final equipment. ecting L1,L3,FG) is allowed under certain derating to output load.	nated with a 0.1uf & 47uf parallel capacitor. The final equipment must be re-confirmed that it still meets				





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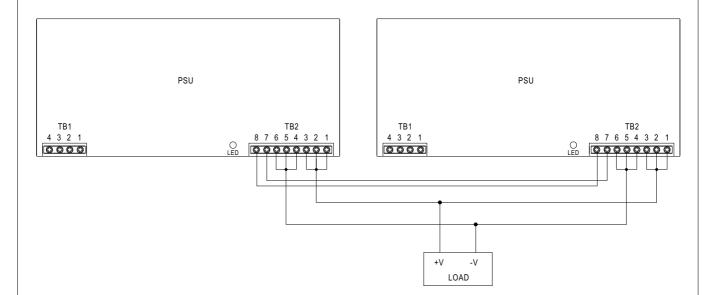




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■ Parallel Function (1+1)-Optional (Special order required)



TB1 Terminal Pin. No Assignment

Pin No.	Assignment
1	AC/L1
2	AC/L2
3	AC/L3
4	FG 🖶

TB2 Terminal Pin. No Assignment

Pin No.	Assignment
1,2,3	DC OUTPUT +V
4,5,6	DC OUTPUT -V
7	GND
8	P(Current Share)

Note: Under parallel operation, if the load current is too small, only one PSU(master) would provide the power and hence the LED indicator of other PSUs may not light up.