



■ Features :

- Suitable for redundant operation of 24V system
- Installed on DIN Rail TS35 / 7.5 or 15
- Relay contact signal output and LED indicator for input failure alarm
- Cooling by free air convection
- 3 years warranty

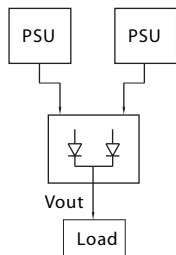


SPECIFICATION

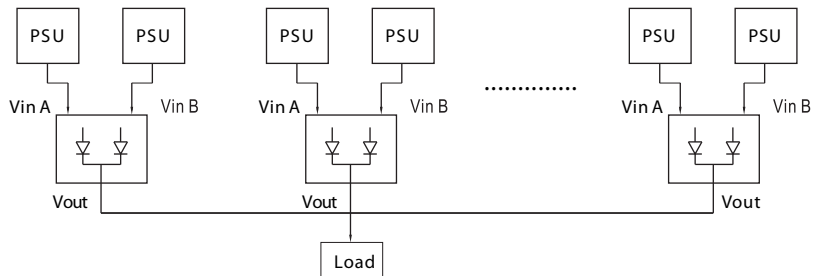
MODEL		PS-RDN20
OUTPUT	REVERSE VOLTAGE (max.)	30V
	OUTPUT CURRENT (max.)	20A
	VOLTAGE DROP	0.5V
	LED INDICATORS	Two green LEDs indicating each input is "OK or fail"
INPUT	INPUT VOLTAGE RANGE	21 ~ 28V
	NUMBER OF INPUTS	Two
	INPUT CURRENT (max.)	20A per input
FUNCTION	INPUT VOLTAGE ALARM	When input is > 20V(±5%) or < 30V(±5%) relay contacts
	RELAY CONTACT RATING (max.)	30VDC, 1A
ENVIRONMENT	WORKING TEMP.	-20 ~ +70℃
	WORKING HUMIDITY	20 ~ 90% RH non condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes ; Mouning: Compliance to IEC60068-2-6
SAFETY & EMC	WITHSTAND VOLTAGE	Terminal-Chassis :0.5KVAC, Relay Contacts-Terminal :0.5KVAC
	ISOLATION RESISTANCE	Terminal-Chassis :>100M Ohms/500VDC 25℃ 70%RH
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8, ENV50204, Heavy industry level, criteria A
OTHERS	MTBF	996.8Khrs min. MIL-HDBK-217F (25℃)
	DIMENSION	55.5*125.2*100mm (W*H*D)
	PACKING	0.5Kg; 20pcs/11Kg/1.1CUFT
NOTE	1. All parameters NOT specially mentioned are measured at 24VDC input, rated load and 25℃ of ambient temperature.	

1. 1+1 Redundancy

Using 1 more PSU as the redundant unit

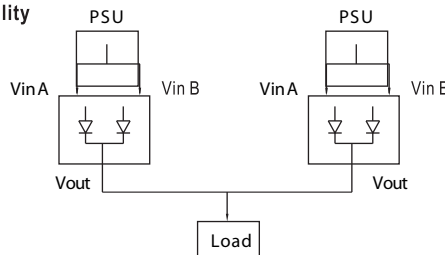


2. 1+N Redundancy: Using more PSUs as the redundant units to increase the reliability



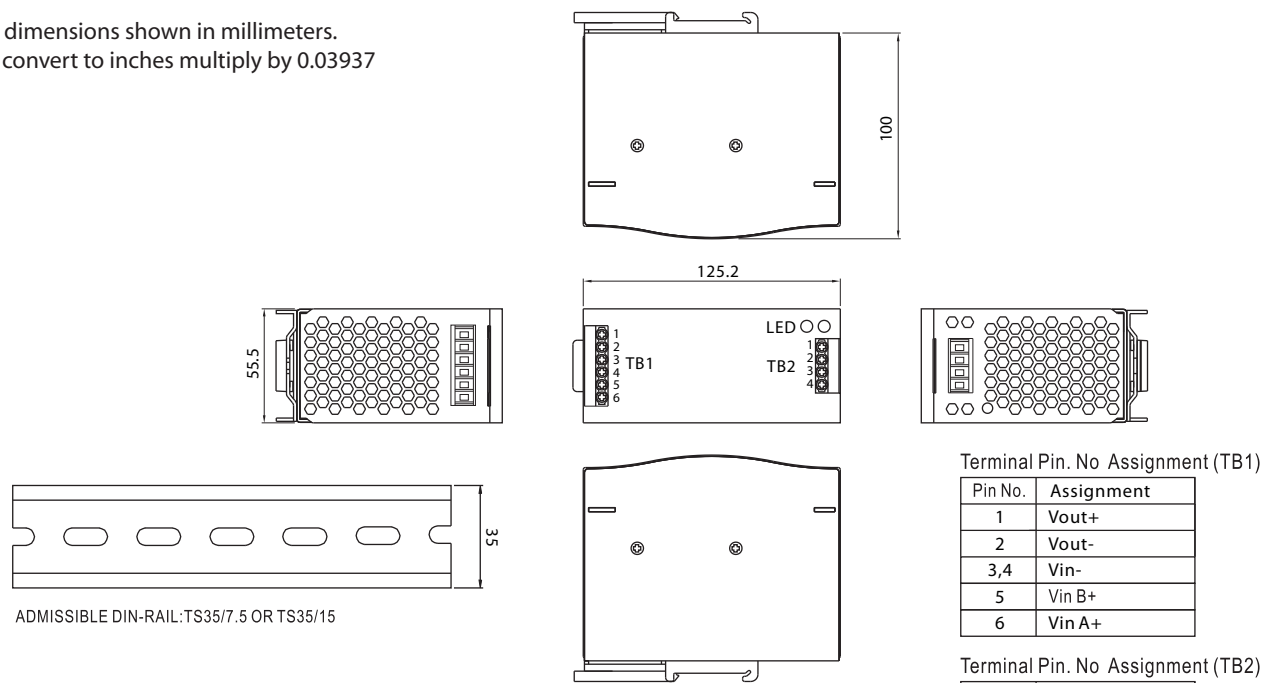
3. Single Use: Connecting only one PSU to one PS-RDN20

to reduce the stress of the diodes and hence increase the reliability

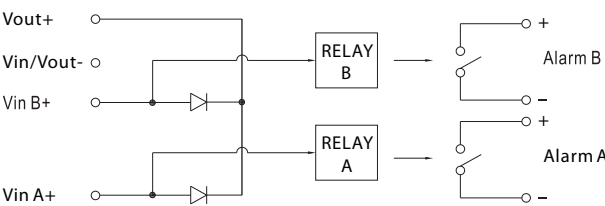


Mechanical Specification

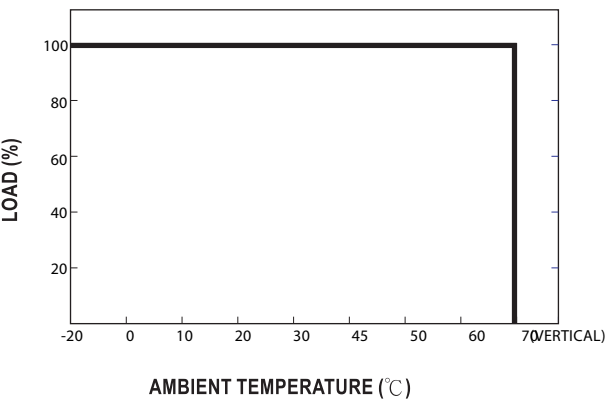
All dimensions shown in millimeters.
To convert to inches multiply by 0.03937



Block Diagram



Derating Curve



Mouser Electronics

Authorized Distributor

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[PS-RDN20](#)