



■ Features :

- Suitable for redundant operation of 24V system
- $^{\bullet}\,$ 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

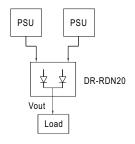


SPECIFICATION

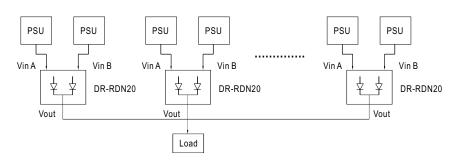
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MODEL		DR-RDN20		
ОИТРИТ	REVERSE VOLTAGE (max.)	30V		
	OUTPUT CURRENT (max.)	20A		
	VOLTAGE DROP	0.6V		
	LED INDICATORS	Two green LEDs indicating each input is "OK or fail"		
INPUT	INPUT VOLTAGE RANGE	21 ~ 28V		
	NUMBER OF INPUTS	Two		
	INPUT CURRENT (max.)	20A per input		
FUNCTION	INPUT VOLTAGE ALARM	When input is > $20V(\pm 5\%)$ or < $30V(\pm 5\%)$ relay contacts		
	RELAY CONTACT RATING (max.)	30VDC, 1A		
	WORKING TEMP.	-40 ~ +70°C		
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non condensing		
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 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 STANDARDS	UL508, EAC TP TC 004 approved		
SAFETY &	WITHSTAND VOLTAGE	Terminal-Chassis :0.5KVAC, Relay Contacts-Terminal :0.5KVAC		
EMC (Note 2)	ISOLATION RESISTANCE	Terminal-Chassis :>100M Ohms / 500VDC / 25°C / 70% RH		
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020		
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, heavy industry level, criteria A, EAC TP TC 020		
OTHERS	MTBF	996.8Khrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	55.5*125.2*100mm (W*H*D)		
	PACKING	0.5Kg; 20pcs/11Kg/1.29CUFT		
NOTE	1. All parameters NOT specially mentioned are measured at 24VDC input, rated load and 25°C of ambient temperature. 2. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 3. 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).			

■ Typical Application Notes

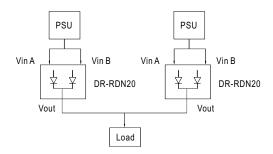
1. 1+1 Redundancy Using 1 more PSU as the redundant unit



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



3. Single Use: Connecting only one PSU to one DR-RDN20 to reduce the stress of the diodes and hence increase the reliability

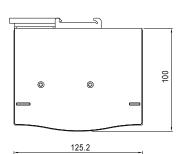


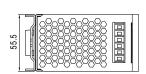
Unit:mm

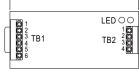
Case No.923C

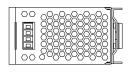


■ Mechanical Specification



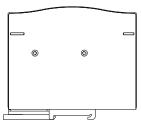








ADMISSIBLE DIN-RAIL:TS35/7.5 OR TS35/15



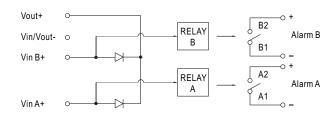
Terminal Pin No. Assignment (TB1)

Pin No.	Assignment
1	Vout+
2	Vout-
3,4	Vin-
5	Vin B+
6	Vin A+

Terminal Pin No. Assignment (TB2)

Pin No.	Assignment
1	Alarm B1
2	Alarm B2
3	Alarm A1
4	Alarm A2

■ Block Diagram



■ Derating Curve

