



Features

- Output current 20A & 40A
- Support 1+1 and N+1 redundancy system
- Suitable for redundancy operation of 12V/24V/48V system
- 2 channels input and 1 output
- -40~+80°C ultra wide operation temp.
- 2 dry relay contact for monitoring output status, and LED indicator for input failure alarm
- Slim width
- Installed on DIN rail TS-35/7.5 or 15
- 3 years warranty

ERDN20/40 series, enclosed type modules are available on P.24

General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	DRDN20 ^[24]			DRDN40 ^[24]				
	12	24	48	12	24	48(optional)		
Input	DC input voltage range	9~14Vdc	19~29Vdc	36~60Vdc	9~14Vdc	19~29Vdc	36~60Vdc	
	Rated current	10Ax2 input, 20Ax1 input			20Ax2 input, 40Ax1 input			
	Peak current	15Ax2 input, 30Ax1 input			30Ax2 input, 60Ax1 input			
	Voltage drop (Vin-Vout)	0.2~0.5Vdc max.						
	Reverse voltage (max.)	40Vdc	40Vdc	75Vdc	40Vdc	40Vdc	75Vdc	
Output	Rated current	20A			40A			
	Peak current	30A, 5 sec.			60A, 5 sec.			
	Standby power losses	1.5W Typ.						
General	Relay contact	2 dry relay contact, 30Vdc resistive load for each channel						
	Input voltage alarm	Voltage range	<8.5V or >14.7V	<18V or >31V	<34.2V or >63V	<8.5V or >14.7V	<18V or >31V	<34.2V or >63V
		LED display	Green: OK, dark: input voltage failure					
	Working temperature	-40~+80°C						
	Protections	Overload or short circuit, <30A for 5 sec. no damage						
	Cooling	Free air convection						
	Safety standards	UL62368-1, EAC TP TC 004 approved						
	EMC standards	EN55032 class B, EN61000-4,2,3,4,5,6,8						
	Connection (Screw DIN terminal)	I/P: 4 poles(Vin1 and Vin2 ±), O/P and FG 4 poles (Vo-/Vo, FG); 4 poles (Alarm1 and Alarm2 dry relay contact)			I/P: 4 poles(Vin1 and Vin2 ±), O/P 2 poles (Vo-/Vo), FG 1 pole; 2+2 poles (Alarm1 and Alarm2 dry relay contact)			
	Dimension (WxHxD)(mm)	32x 125.2x 102			55x 125.2x 113.5			

20A DRDN20

Model No.	Nominal Voltage	Input / Output Current
DRDN20 ^[24]	12V, 24V, 48V	2x10A / 20A
□ = 12, 24, 48		

40A DRDN40

Model No.	Nominal Voltage	Input / Output Current
DRDN40 ^[24]	12V, 24V, 48V	2x20A / 40A
□ = 12, 24, 48		

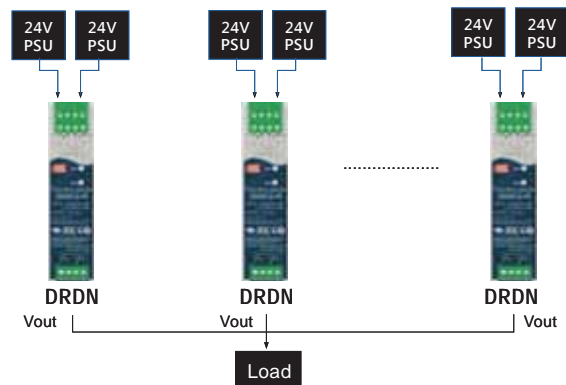


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DRDN20/40 Example of Application

1+N Redundancy : Using 1 more PSU as the redundant unit



Note: 12V/ 24V/ 48V models are applicable.