

YDR75N Series

75 W AC/DC DIN Rail Power Supply

CoolPower
Solutions

- Universal Input 90~264Vac
- Slim metal case
- DIN rail TS-35/7,5 & 15
- Short circuit / Overload / Over voltage protections
- Temperature protection
- DC output voltage adjustable
- Free air convection design



Electrical specifications

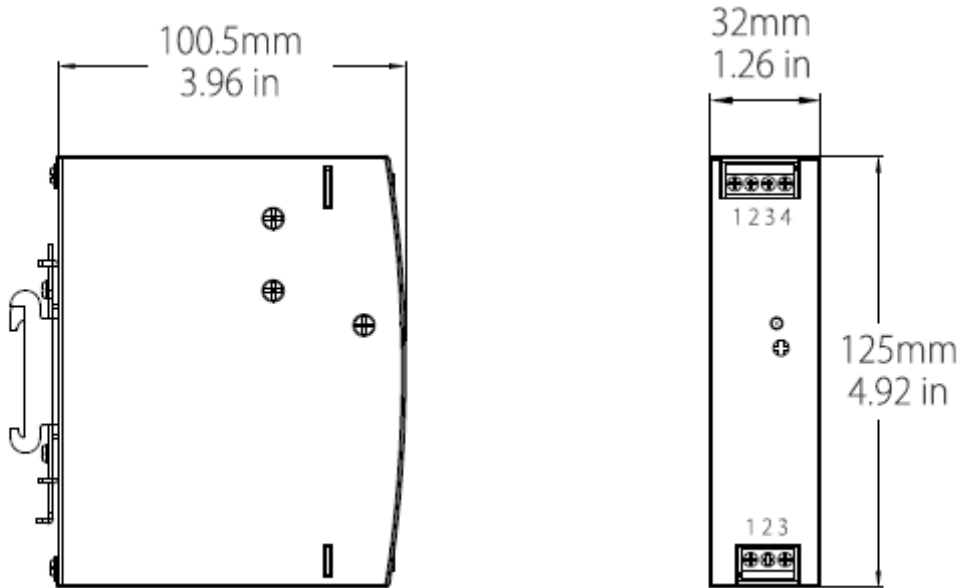
Model No.	YDR75N-12	YDR75N-24	YDR75N-48
Max Output Wattage (W)	75,6 W	76,8 W	76,8 W
Input	Voltage		
	90-264 VAC or 127-370 VDC		
	Frequency		
	47-63 Hz		
	Current (max at full load)		
1,45 A (115 VAC) / 0,9 A (230 VAC)			
Inrush current (max)			
20 A (115 VAC) / 35 A (230 VAC)			
Leakage current			
< 1mA / 240 VAC			
Efficiency			
85,5 %			
Output	Voltage (VDC)		
	12 V		
	Voltage adjustable range		
	12 – 14 VDC		
	Output voltage tolerance		
	±2 %		
	Rated current		
	6,3 A		
	Minimum load		
	0 A		
Line regulation			
±0,5 %			
Load regulation			
±1 %			
Ripple & Noise (max)			
80 mVp-p			
Hold-up time			
60 ms / 230VAC 12 ms / 115VAC at full load			
Setup / Rise time			
1200ms, 60ms/230VAC 2000ms, 60ms/115VAC at full load			
Protection	Over load		
	105~130% rated output power		
	Hiccup mode - recovers automatically after fault condition is removed.		
Over voltage	14-17V		29-33V
	56-65V		
Protection type: Shut dpwn o/p voltage, re-power on to recover			
Over Temperature			
Protection type: Shut down o/p voltage, re-power on to recover			
Environment	Operating temperature		
	-20°C...+70°C (with derating)		
	Humidity		
20 - 95% RH			
MTBF			
450 000 h Min. MIL-HDBK-217F (25°C)			
Physical	Dimension (W x H x D)		
	32 x 125 x 100,5 mm		
	Weight		
510 g			
Cooling method			
Free air convection			
Safety	Safety standards		
	UL508, BS EN62368-1		
	Withstand voltage		
	I/P-O/P: 3kVAC		
Isolation resistance			
I/P-O/P: 100MΩ Min / 500VDC / 25°C / 70 RH			
EMC			
Compliance to EN55032, IEC61000-3-2, -3			
Compliance to EN61000-6, EN50082-2			

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Mechanical Specifications



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Electrical curves

Derating

