

YDR240N Series

240 W AC/DC DIN Rail Power Supply

CoolPower
Solutions

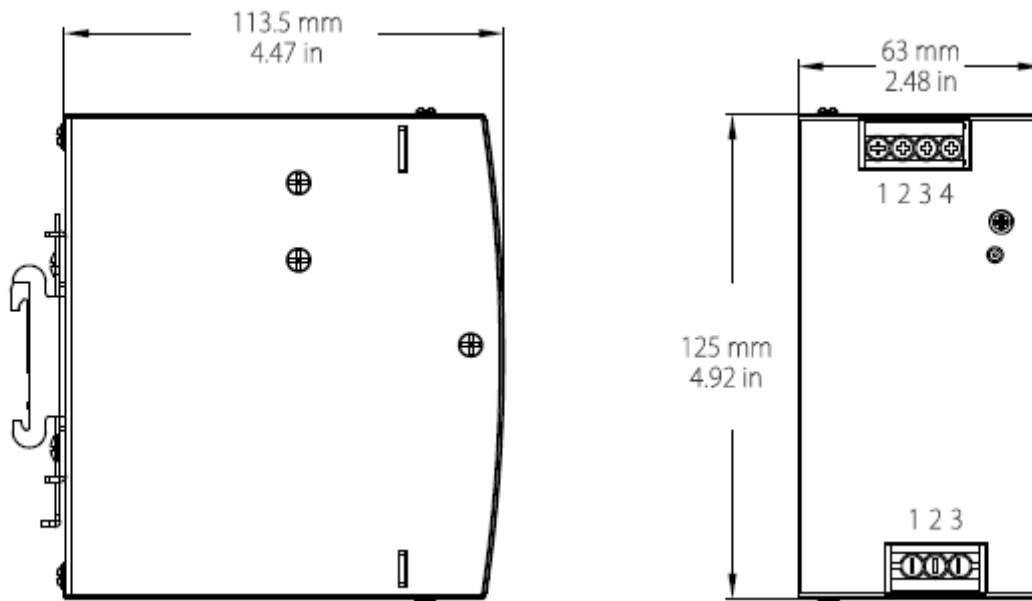
- Universal Input 90~264Vac
- Slim metal case
- DIN rail TS-35/7,5 & 15
- Short circuit / Overload / Over voltage protections
- Temperature protection
- DC output voltage adjustable
- Build-in Active PFC Function



Electrical specifications

Model No.		YDR240N-24	YDR240N-48
Max Output Wattage (W)		240 W	240 W
Input	Voltage	90-264 VAC or 127-370 VDC	
	Frequency	47-63 Hz	
	Power Factor (typ.)	>0,98 / 115 VAC, >0,95 / 230 VAC at full load	
	Current (max at full load)	2,5 A (115 VAC) / 1,3 A (230 VAC)	
	Inrush current (max)	20 A (115 VAC) / 35 A (230 VAC)	
	Leakage current	< 1mA / 240 VAC	
	Efficiency	87,0 %	88,0 %
Output	Voltage (VDC)	24 V	48 V
	Voltage adjustable range	24-28 VDC	48-55 VDC
	Output voltage tolerance	±2 %	±2 %
	Rated current	10 A	5 A
	Minimum load	0 A	0 A
	Line regulation	±0,5 %	±0,5 %
	Load regulation	±1 %	±1 %
	Ripple & Noise (max)	150 mVp-p	
	Hold-up time	16 ms / 230VAC 10 ms / 115VAC at full load	
	Setup / Rise time	3000ms, 100ms/115VAC 1500ms, 100ms/230VAC at full load	
Protection	Over load	105~130% rated output power Hiccup mode - recovers automatically after fault condition is removed.	
	Over voltage	29-33V	56-65V
	Over Temperature	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down.	
Environment	Operating temperature	-20°C...+70°C (with derating)	
	Humidity	20 - 95% RH	
	MTBF	200 000 h Min. MIL-HDBK-217F (25°C)	
Physical	Dimension (W x H x D)	63 x 125 x 113,5 mm	
	Weight	1000 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, EN61000-3-2, -3 Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55035, EN61000-6-2, EN50082-2	

Mechanical Specifications



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Electrical curves

Derating

