

### 45W Single Output Industrial DIN Rail Power Supply (HDR-45)



#### HDR-45...

#### Feature

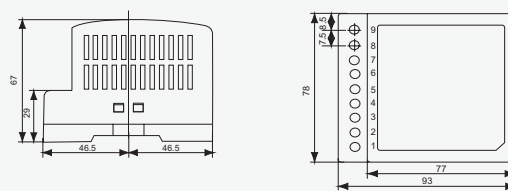
- Universal AC input/ full range
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-3.5/7.5 or 15
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at 100KHz
- 3 years warranty
- Dimensions: 78\*97\*67mm (L\*W\*H)

#### Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model	HDR-45-5	HDR-45-12	HDR-45-15	HDR-45-24	
Output	DC Voltage	5V	12V	15V	24V
	Voltage Tolerance	±2%	±1%	±1%	±1%
	Rated Current	5A	3.5A	2.8A	2A
	Current Range	0-5A	0-3.5A	0-2.8A	0-2A
	Rated Power	25W	42W	42W	48W
	Ripple & Noise	100mVp-p	200mVp-p	240mVp-p	480mVp-p
	DC Voltage Adj.Range	4.75-5.5V	10.8-13.2V	13.5-16.5V	21.6-26.4V
	Setup,Rise,Hold Time	800ms,60ms, 100ms/230VAC at full load			
Input	Voltage Range	85~264 VAC 47-63 Hz;selected by switch120~370VDC			
	AC Current	1.5 A/115 V 0.75A/ 230 V			
	Efficiency	72%	77%	77%	80%
	Inrush Current	Cold start 28A/115V 56A/230V			
	Leakage Current	<1mA/240VAC			
Protection	Over Load	105%~150% Protection type: Constant current limiting, recovers automatically after fault condition is removed			
	Over Voltage	115%~135% Protection type: Shut down o/p voltage, re-power on to recover			
	Over Temperature	Tj 135 typically (U1) Detect on heat sink of power transistor, shut down o/p voltage, recovers automatically after temperature goes down			
Environment	Working Temp & Humidity	-10°C~+50°C, 20%~90 %RH			
	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH			
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes			
Safety	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC			
Standards	Safety Standard	Design refer to UL508,TUV EN60950-1			
	EMC Standard	Design refer to EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11,ENV50204, EN55024,EN61000-6-2			
Others	Weight	0.31Kg			
	Packing	48pcs/16.1Kg/1.3CUFT			

### Outline and dimension



#### Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4, 5	DC OUTPUT -V	9	+V ADJ.
2	AC/N	6, 7	DC OUTPUT +V		
3	FG	8	LED		

