



乐清市乐宇自动化电气有限公司

Yueqing Leyu Electric Automation Co., Ltd.

75W Single Output Industrial DIN Rail Power Supply

DR-75 series

Features:

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-35/7.5 or 15

LED indicator for power on

100% full load burn-in test

Fixed switching frequency at 50KHz

2 years warranty

SPECIFICATIONS			
OUTPUT			
Model	DR-75-12	DR-75-24	DR-75-48
DC Voltage	12V	24V	48V
Rated Current	6.3A	3.2A	1.6A
Current Range	0-6.3A	0-3.2A	0-1.6A
Rated Power	75.6W	76.8W	76.8W
Ripple & Noise	100mVp-p	150mVp-p	240mVp-p
Voltage Adj. Range	12-14V	24-28V	48-53V
Voltage Tolerance	±2%	±1%	±1%
Line regulation	±1%	±1%	±1%
Load regulation	±1%	±1%	±1%
Setup, Rise Time	1000ms,60ms/230VAC 1800ms,60ms/115VAC at full load		
Hold Up Time	60ms/230VAC 12ms/115VAC at full load		
INPUT			
Voltage Range	85~264VAC 47~63 Hz; 120~370VDC		
AC Current	1.6A/115V 0.96A/230V		
Efficiency	76%	80%	81%
Inrush Current	Cold start 20A/115VAC 40A/230VAC		
Leakage Current	<1mA/240VAC		
PROTECTION			
Over Load	105%~150% rated output power		
	Protection type: Constant current limiting, recovers automatically after fault condition is removed		
Over Voltage	15-16.5V	29-34V	58-65V
	Protection type: Shut down o/p voltage, re-power on to recover		



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Over Temp.	85°C±5°C (TSW1) detect on heat sink of power transistor Protection type: Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	
Working Temp., Humidity	-10°C~+60°C; 20%~90% RH non-condensing
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/25°C/70%RH
STANDARD	
Safety Standard	Design refer to UL508, TUV EN60950-1
EMC Standard	EN55011, EN55022, EN61000-3-2, -3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2, heavy industry level, criteria A
OTHERS	
Dimension	55.5*125.2*100mm(L*W*H)
Weight	0.6Kg
Packing	20pcs/13Kg/1.29CUFT
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μ parallel capacitor.</p> <p>3. Tolerance: includes set up tolerance, line regulation and load regulation.</p> <p>4. 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.</p>



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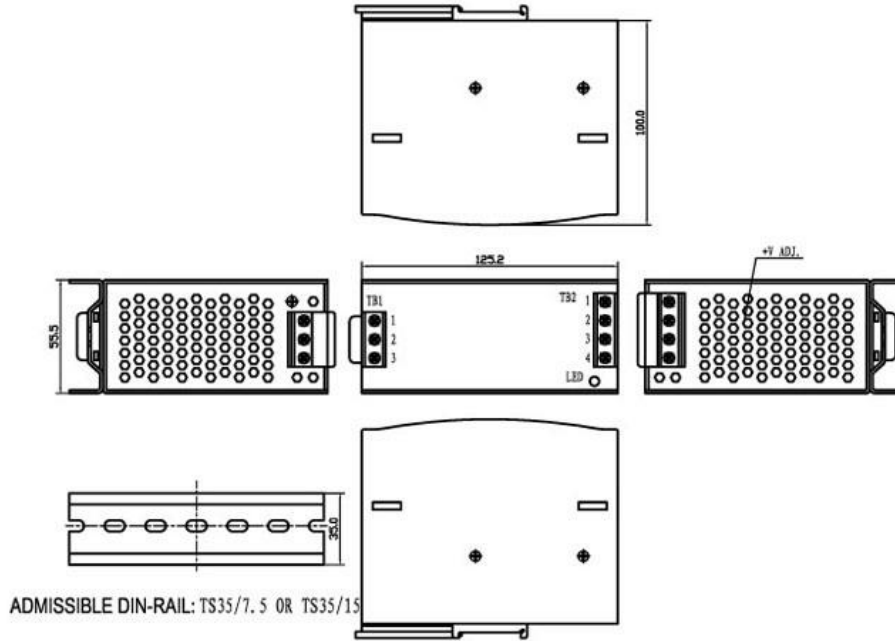
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■ Outline and Dimension:



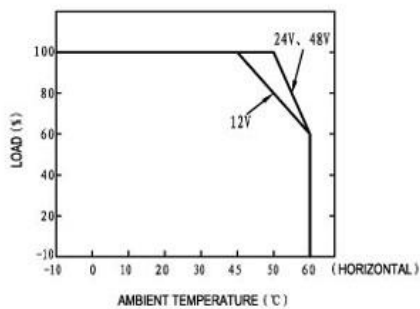
Terminal Pin No. Assignment (TB1):

Pin No.	Assignment
1	PG
2	AC/N (DC+)
3	AC/L (DC-)

Terminal Pin No. Assignment (TB2):

Pin No.	Assignment
1,2	DC OUTPUT +V
3,4	DC OUTPUT -V

■ Output Derating



■ Output Derating VS Input Voltage

