

DR-75 Series

75W Single Output Industrial DIN Rail Power Supply



Case No: 8019KK
55.5 x 125.2 x 100 mm

Features

- Universal AC input/ Full range
- Protections: Short Circuit/Overload/ Over Voltage/Over Temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL508 (Industrial control equipment) approved
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at 50KHz



Specification

INPUT	Voltage	85V ~ 264VAC universal full range or 120V ~ 370VDC.		
	Frequency	47 ----- 63 Hz		
	Current	<1.6A@115VAC; 0.96A@230VAC input, full load		
	Inrush Current	<20A@115V , <40A@230VAC input, Cold start at 25°C ambient		
	Leakage Current	1mA@240VAC		
OUTPUT	MODEL No.	DR-75-12	DR-75-24	DR-75-48
	Voltage	12V	24V	48V
	Min Load	0A	0A	0A
	Max Load	6.3A	3.2A	1.6A
	Output Tolerance	± 2%	± 1%	± 1%
	Line Regulation	± 0.5%	± 0.5%	± 0.5%
	Load Regulation	± 1%	± 1%	± 1%
	Ripple Noise MAX.	100mV	150mV	240mV
	Efficiency (TYP.)	76%	80%	81%
	Power	76W	76.8W	76.8W
PROTECTION	Over Voltage	15~16.5V	29~34V	58~65V
		Shutdown o/p voltage, re-power on to recover		
	Over Temperature	85°C ±5°C (TSW1) detect on heat sink of power transistor		
		Shut down o/p voltage, re-power on to recover		
ELEC. CHAR.	Over Load	105~150% rated output power; Constant current limiting, recovers automatically after fault condition is removed		
	Rise Time	<60mS@ 115~230VAC at full load		
	Hold up Time	>60mS@ 230VAC; 12mS@115VAC at full load		
	Setup Time	<1.0 Sec @ 230VAC; 1.8 Sec @115VAC		
ENVIRONMENT	Temperature	Operating: -10 ~ +60°C ; Storage: -20~ +85°C		
	Humidity	Operating: 20% ~ 90% RH; Storage: 10% ~ 95% RH (non condensing)		
SAFETY	Withstand Voltage	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC, 1minute		
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG 100MΩ/500VDC		
	Safety Standard	UL60950-1; TUV EN60950-1 Approved		
EMC	EMI	EN55022; EN55011, EN61204-3 Class B, EN61000-3-2,3		
	EMS	EN61000-4-2,3,4,5,6,8,11; EN55024; EN61000-6-2		
OTHERS	Cooling	Natural cooling		
	M.T.B.F.	123.1K hrs min. MIL-HDBK-217F (25°C)		
	Packing	0.6Kg; 20pcs/13Kg/1.29 CUFT		

1 All parameters not specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature

2 Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminates with a 0.1uf & 47uf parallel capacitor

3 Tolerance: Includes set up tolerance, line regulation and load regulation

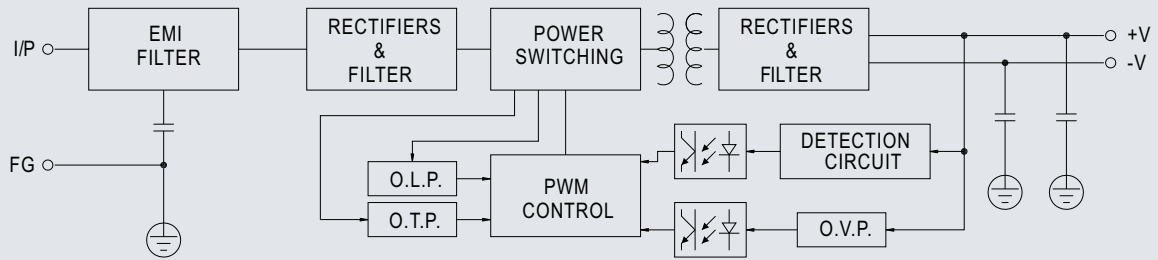
4 The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.

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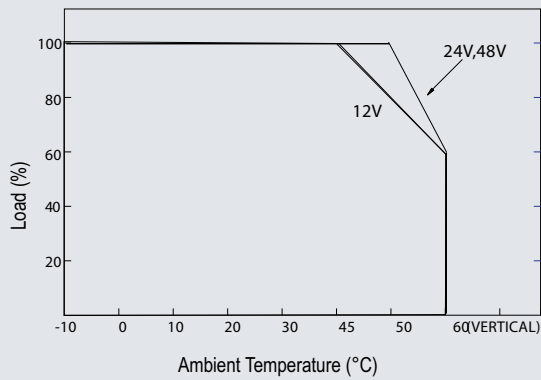
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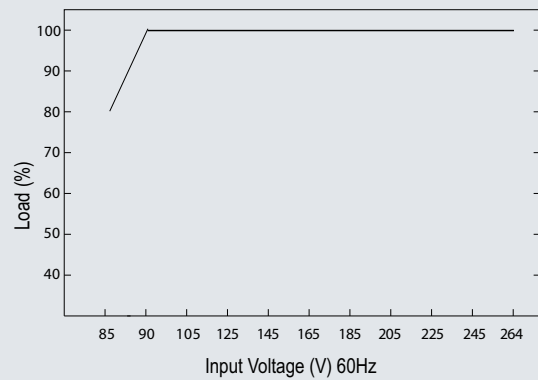
Block Diagram



De-Rating Curve



Output Derating Vs Input Voltage



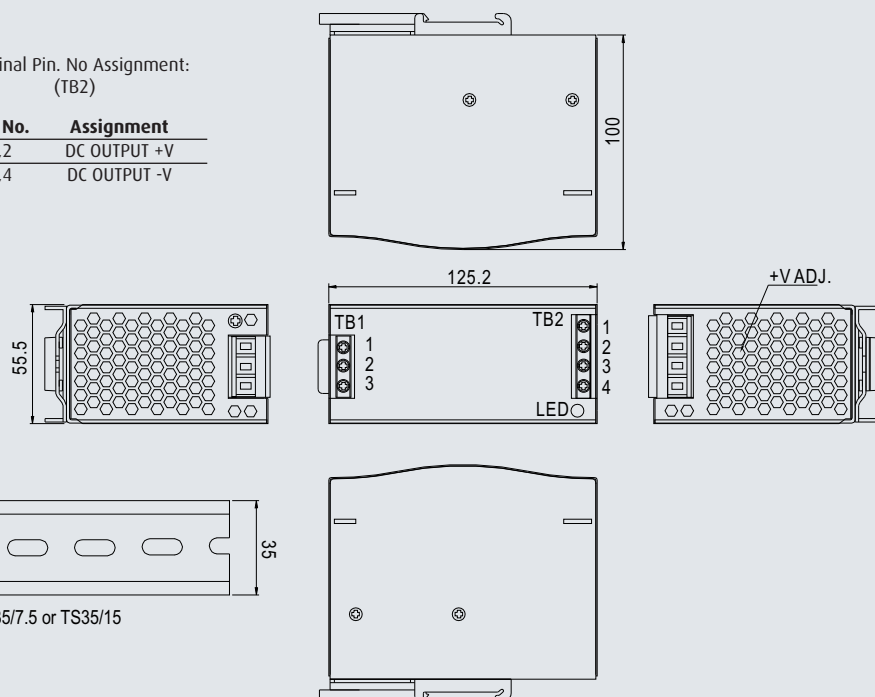
Dimensions

Terminal Pin. No Assignment:
(TB1)

Pin No.	Assignment
1	FG
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



Admissible Din-Rail: TS35/7.5 or TS35/15