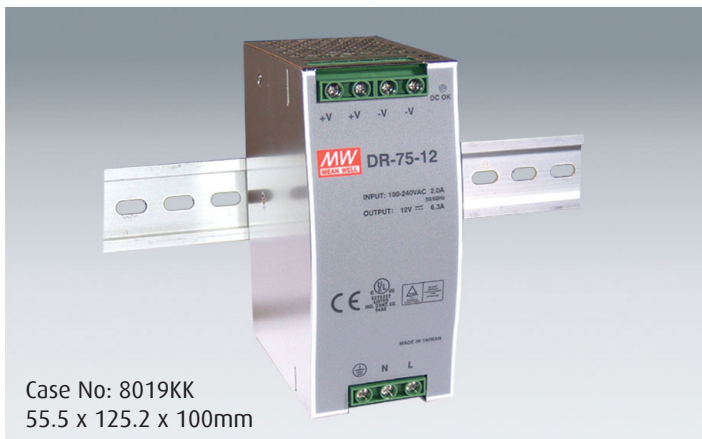


DR-75 Series

75W Single Output Industrial DIN Rail Power Supply



Case No: 8019KK
55.5 x 125.2 x 100mm

Features

- Universal AC input / Full range
- Protections: Short Circuit / Overload / Over voltage / Over temperature
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508 (Industrial Control Equipment) approved
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- Fix switching frequency at 50KHz
- 3 years warranty



Specification

INPUT	Voltage	85V~264VAC 120~370VDC		
	Frequency	47 ~ 63 Hz		
	Efficiency	76%	80%	81%
	AC Current (Typ.)	1.6A/115VAC 0.96A/230VAC		
	Inrush Current (Typ.)	Cold start 20A/115VAC 40A/230VAC		
	Leakage Current	<1mA/240VAC		
	OUTPUT	MODEL No.	DR-75-12	DR-75-24
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		76W	76.8W	76.8W
Ripple Noise MAX.		100mVp-p	150mVp-p	240mVp-p
Voltage Adjustment Range		12 ~ 14V	24 ~ 28V	48 ~ 53V
Voltage Tolerance		± 2.0%	± 1.0%	± 1.0%
Line Regulation		± 0.5%	± 0.5%	± 0.5%
Load Regulation		± 1.0%	± 1.0%	± 1.0%
Setup Rise Time		1000ms, 60ms/230VAC 1800ms, 60ms/115VAC at full load		
Holdup Time (Typ.)		60ms/230VAC 12ms/115VAC at full load		
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 onto recover		
	Over Temperature	85°C±5°C (TSW1) detect on heat sink of transistor Protection type: Shut down o/p voltage, recovers automatically after temperature goes down		
ENVIRONMENT	Working Temperature	-10~+60°C (Refer to "Derating Curve")		
	Working Humidity	20~90% RH non-condensing		
	Storage Temp., Humidity	-20~ +85°C, 10~95%RH		
SAFETY	Temp. Co-efficient	±0.03% / °C (0~50°C)		
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60 min. each along X, Y, Z axes; Mounting: compliance to IEC60068-2-6		
	Safety Standards	UL508, TUV EN60950-1 approved		
	Withstand Voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
EMC	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500Vdc/25°C/70% RH		
	EMC Emission	Compliance to EN55011, EN55032 (CISPR32) Class B, EN61000-3-2,-3		
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), Heavy industry level, criteria A		
OTHERS	M.T.B.F.	123.1K hrs min. MIL-HDBK-217F (25°C)		
	Packaging	0.6Kg, 20pcs/13Kg/1.29CUFT		

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple and noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. The power supply is considered as a component which will be installed with final equipment. The final equipment must re-confirmed that it still meets EMC Directives.

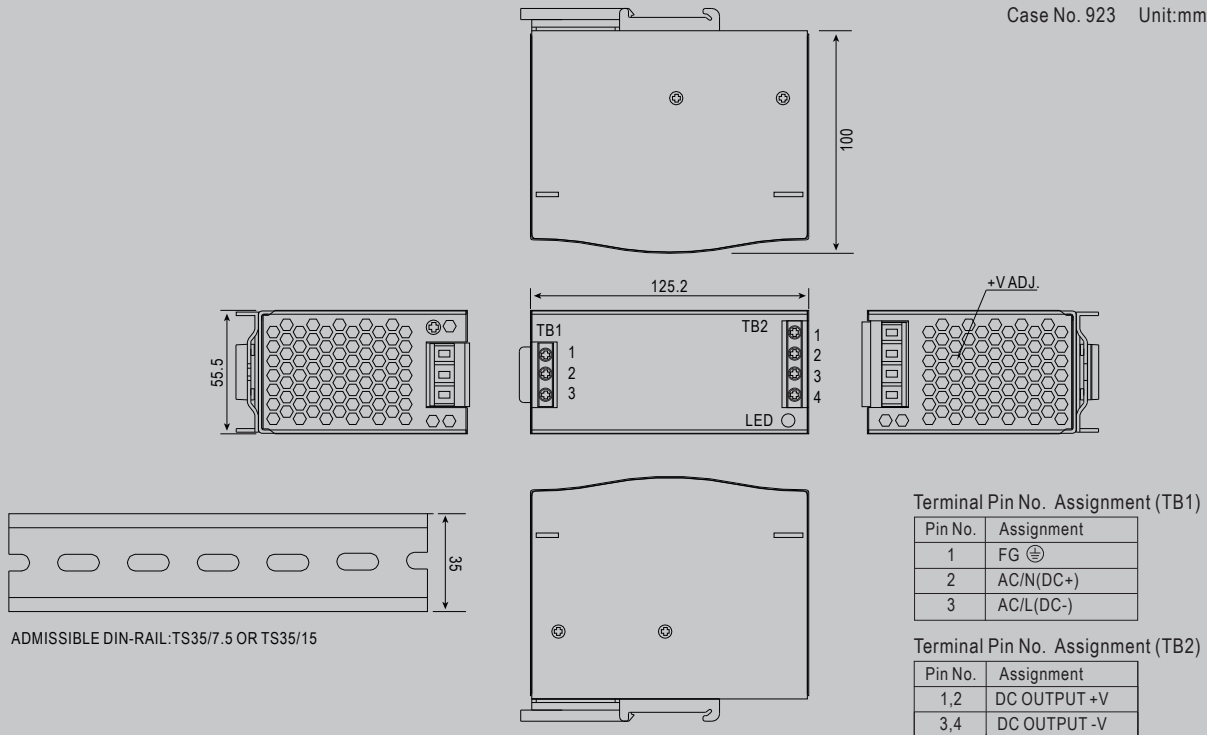
DR-75 Series

75W Single Output Industrial DIN Rail Power Supply

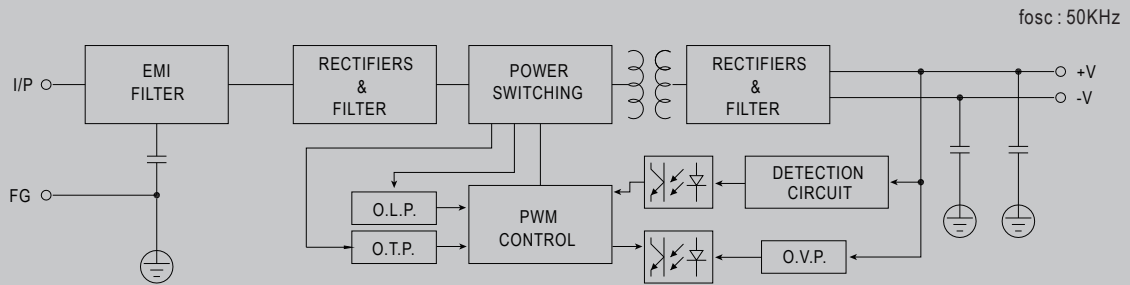


Mechanical Specification

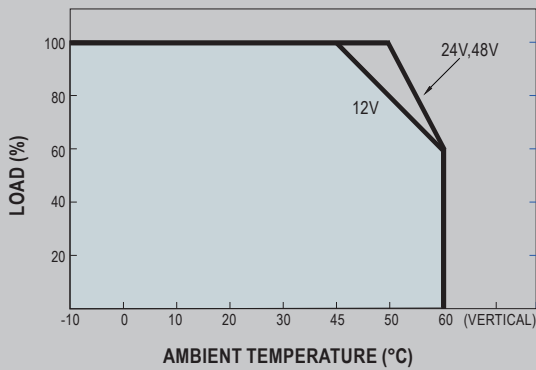
Case No. 923 Unit:mm



Block Diagram



Output Derating



Output Derating Vs Input Voltage

