



Fuente LRS-150

Fuente de alimentación conmutada de salida única de 150W para interiores.



Características

- Entrada Universal AC / Full Range.
- Resiste una entrada de sobretensión de 300VAC durante 5 segundos.
- Consumo de energía sin carga <0.5W.
- Tamaño reducido y perfil bajo de 1U.
- Funcionamiento a alta temperatura, hasta 70°C.
- Protecciones: Cortocircuito / Sobrecarga / Sobretensión.
- Formato caja de rejilla.
- Enfriamiento por convección de aire libre.
- Cumplimiento de las la normativas TUV EN60950-1, EN60335-1(PD3), EN61558-1 / -2-16, UL60950-1 y GB4943.
- Altitud de funcionamiento de hasta 5000 metros.
- Resiste la prueba de vibración 5G.
- Alta eficiencia, larga vida útil y alta fiabilidad.
- Indicador de encendido LED.
- Testado de quemado a 100% de carga.
- 3 años de garantía.
- Certificaciones: CCC cULus CBCE



Producto de la firma:



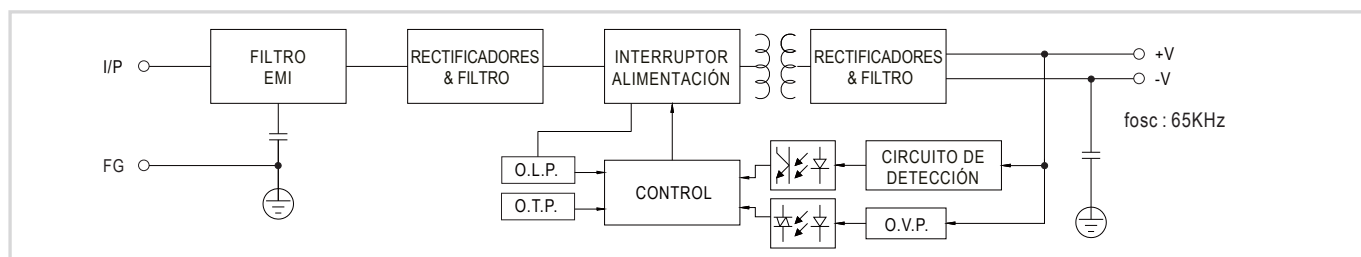
Aplicación

Máquinas de automatización industrial, sistemas de control industrial, equipos mecánicos y eléctricos, instrumentos, equipos o aparatos eléctricos y electrodomésticos.

Parámetros

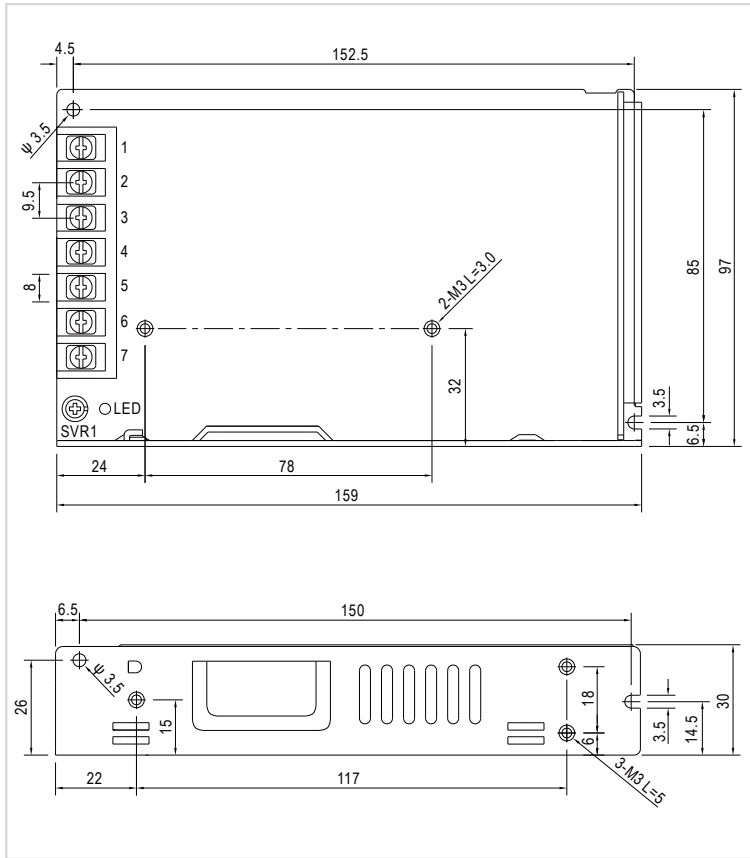
Artículo	Voltaje	Rango entrada universal	Rango Frecuencia	Tensión de salida	Intensidad de salida	Potencia	Dimensiones	Eficiencia	Consumo sin carga	Ruido y Rizado	Temperatura de trabajo
LRS-150-12	12V	85-132VCA 170-264VCA	47 ~ 63HZ	10.2 ~ 13.8VCC	0 ~ 12.5A	150W	159x97x30mm	87.5%	<0.5W	150MVP-P	-30°C a 70°C
LRS-150-24	24V	85-132VCA 170-264VCA	47 ~ 63HZ	21.6 ~ 28.8VCC	0 ~ 6.5A	154.8W	129x97x30mm	89%	<0.5W	200MVP-P	-30°C a 70°C

Diagrama de bloques





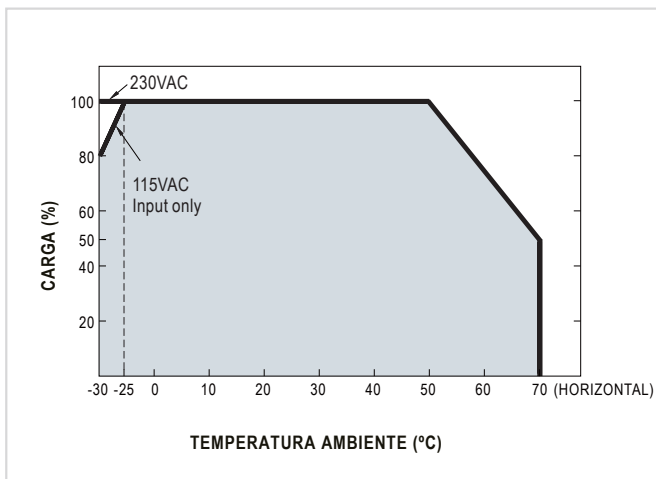
Dimensiones (unidades en mm)



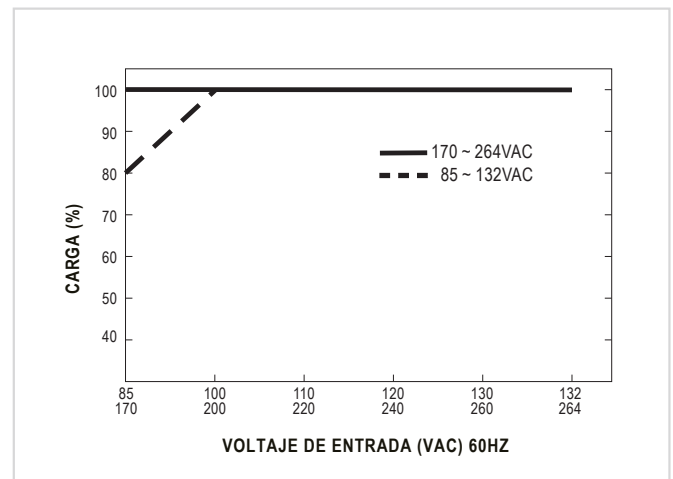
Asignación N° Pin - Terminal

N° Pin	Asignación	N° Pin	Asignación
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG \perp		

Reducción de la curva



Estática





Otros datos ofrecidos por Mean Well

SPECIFICATION

MODEL		LRS-150-12	LRS-150-15	LRS-150-24	LRS-150-36	LRS-150-48
OUTPUT	DC VOLTAGE	12V	15V	24V	36V	48V
	RATED CURRENT	12.5A	10A	6.5A	4.3A	3.3A
	CURRENT RANGE	0 ~ 12.5A	0 ~ 10A	0 ~ 6.5A	0 ~ 4.3A	0 ~ 3.3A
	RATED POWER	150W	150W	156W	154.8W	158.4W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	32.4 ~ 39.6V	43.2 ~ 52.8V
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION Note.5	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load				
HOLD UP TIME (Typ.)	40ms/230VAC 35ms/115VAC at full load					
INPUT	VOLTAGE RANGE	85 ~ 132VAC / 170 ~ 264VAC by switch			240 ~ 370VDC (switch on 230VAC)	
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	87.5%	88.5%	89%	89%	90%
	AC CURRENT (Typ.)	2.8A/115VAC 1.6A/230VAC				
	INRUSH CURRENT (Typ.)	COLD STAR 60A/230VAC				
	LEAKAGE CURRENT	<0.75mA / 240VAC				
PROTECTION	OVER LOAD	110 ~ 140% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	13.8 ~ 16.2V	18.75 ~ 21.75V	28.8 ~ 33.6V	41.4 ~ 48.6V	55.2 ~ 64.8V
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover				
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)				
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes				
SAFETY & EMC (Note 7)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EN60335-1, EN61558-1/-2-16, CCC GB4943 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.25KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH				
	EMC EMISSION	Compliance to EN55022 (CISPR22), GB9254 Class B, EN55014, EN61000-3-2 Class A(≤75% Load), EN61000-3-3				
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A				
	MTBF	601K hrs min. MIL-HDBK-217F (25°C)				
	DIMENSION	159*97*30mm (L*W*H)				
	PACKING	0.48Kg ; 30pcs/15.4Kg/0.75CUFT				
NOTE	<ol style="list-style-type: none"> 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 0.1uF & 47uF parallel capacitor. Tolerance : includes set up tolerance, line regulation and load regulation. Line regulation is measured from low line to high line at rated load. Load regulation is measured from 0% to 100% rated load. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m (6500ft). 					