





























Features

- Universal AC input / Full range
- ·Withstand 300VAC surge input for 5 second
- ·No load power consumption<0.2W
- ·Miniature size and 1U low profile
- ·High operating temperature up to 70°C
- ·Protections: Short circuit / Overload / Over voltage
- ·Cooling by free air convection
- ·Compliance to IEC/BS EN/EN 60335-1(PD3) and IEC/BS EN/EN61558-1, -2-16 for household appliances
- Operating altitude up to 5000 meters (Note.8)
- ·Withstand 5G vibration test
- ·High efficiency, long life and high reliability
- ·LED indicator for power on
- ·Over voltage category Ⅲ
- ·100% full load burn-in test
- ·3 years warranty

Applications

- Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- Household appliances

■ GTIN CODE

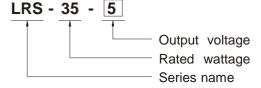
MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

LRS-35-5 is a 35W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 85~264VAC input, the entire series provides an output voltage line of 5V, 12V, 15V, 24V, 36V and 48V.

In addition to the high efficiency up to 89%, the design of metallic mesh case enhances the heat dissipation of LRS-35-5 that the whole series operates from -30°C through 70°C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.2W), it allows the end system to easily meet the worldwide energy requirement. LRS-35-5 has the complete protection functions and 5G anti- vibration capability; it is complied with the international safety regulations such as TUV BS EN/EN62368-1, BS EN/EN60335-1,BS EN/EN61558-1/-2-16, UL62368-1 and GB 4943.1. LRS-35-5 serves as a high price-to-performance power supply solution for various industrial applications.

Model Encoding





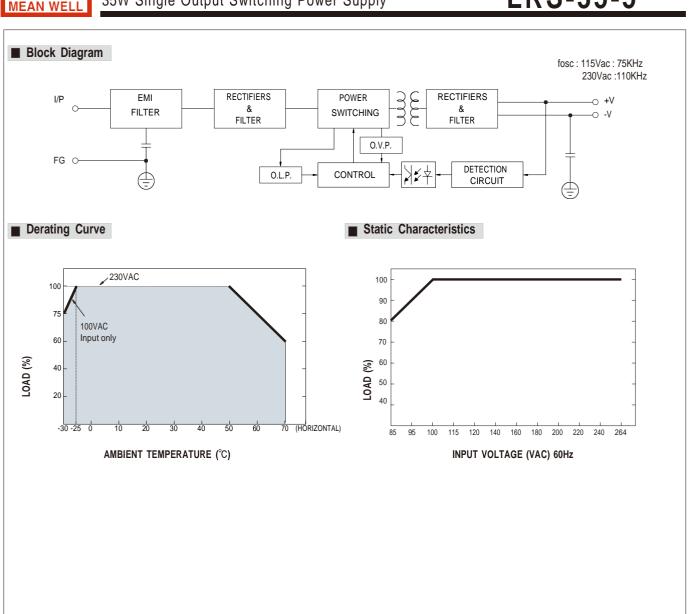
SPECIFICATION

MODEL		LRS-35-5			
	DC VOLTAGE	5V			
оитрит	RATED CURRENT	7A			
	CURRENT RANGE	0 ~ 7A			
	RATED POWER	35W			
	RIPPLE & NOISE (max.) Note.2				
	VOLTAGE ADJ. RANGE	4.5 ~ 5.5V			
	VOLTAGE TOLERANCE Note.3				
	LINE REGULATION Note.4				
	LOAD REGULATION Note.5				
	SETUP, RISE TIME	1000ms, 30ms/230VAC 2000ms,30ms/115VAC at full load			
	HOLD UP TIME (Typ.)	30ms/230VAC 12ms/115VAC at full load			
INPUT	VOLTAGE RANGE	85 ~ 264VAC			
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	82%			
	AC CURRENT (Typ.)	0.7A/115VAC 0.42A/230VAC			
	INRUSH CURRENT (Typ.)	COLD START 45A/230VAC			
	LEAKAGE CURRENT	<0.75mA / 240VAC			
PROTECTION	OVER LOAD	110 ~ 150% rated output power			
		Protection type: Hiccup mode, recovers automatically after fault condition is removed			
	OVER VOLTAGE	5.75 ~ 6.9V			
		Protection type: 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 non-condensing			
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)			
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes			
	OVER VOLTAGE CATEGORY	Ⅲ; According to BS EN/EN61558, BS EN/EN50178, BS EN/EN60664-1, BS EN/EN62477-1; altitude up to 2000 meters			
SAFETY & EMC (Note 9)	SAFETY STANDARDS	UL62368-1, TUV BS EN/EN62368-1, BS EN/EN60335-1, BS EN/EN61558-1/-2-16, GB 4943.1, BSMI CNS15598-1, EAC TP TC 004,AS/NZS 60950.1(by CB),KC K60950-1(for LRS-35-12/24 only), BIS IS13252(Part1): 2010/IEC 60950-1: 2005(NOTE 10) approved			
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC 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 BS EN/EN55032 (CISPR32) Class B, BS EN/EN55014, BS EN/EN61000-3-2,-3, GB17625.1,GB/T 9254.1, BSMI CNS15936, EAC TP TC 020,KC KN32,KN35(for LRS-35-12/24 only)			
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN55035, heavy industry level, EAC TP TC 020,KC KN32,KN35(for LRS-35-12/24 only)			
l .	MTBF	3201.5K hrs min. Telcordia SR-332 (Bellcore); 655.5Khrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	99*82*30mm (L*W*H)			
	PACKING	0.23Kg ; 60pcs/14.8Kg/0.88CUFT			
NOTE	l. All parameters NOT spe	ecially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.			

NOTE

- 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 terminated with a 0.1uf & 47uf parallel capacitor.
- $\ensuremath{\mathfrak{A}}$ Tolerance : includes set up tolerance, line regulation and load regulation.
- $4\,$ Line regulation is measured from low line to high line at rated load.
- $5\,$ 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.
- 7. 5V when the load factor 0~50%, the switching power less is reduced by burst operation, which will cause ripple and ripple noise to go beyond the specifications.
- $\hbox{\it \& The ambient temperature derating of 5°C/1000$m is needed for operating altitude greater than 2000m/(6500ft).}$
- 9. 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 https://www.meanwell.com//Upload/PDF/EMI statement en.pdf)
- 10. Some model may not have the BIS logo, please contact your MEAN WELL sales for more information.
- * Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

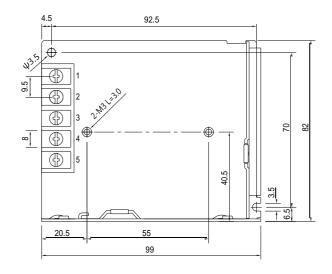


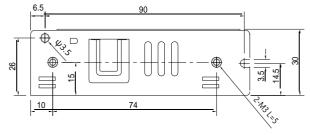




■ Mechanical Specification

Case No.239A Unit:mm





Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG ≡		

■ Installation Manual

Get more info to : https://www.led-card.com/manufacturer/meanwell/