Switch Mode Power Supply

LESA50P Series

FEATURES

- Universal AC Input range
- **Protection** : Short Ciruit, Overload, Over Voltage
- Cooling By Free Air
- 100% Full Load Burn In Test
- Also available with DIN-rail mount bracket

APPLICATION

- Industrial Control System
- Factory Automation
- Electromechanical apparatus

MODEL INFORMATION

Model Number	Output Voltage	Output Current	Mounting Style
LESA50P12	12V	4.2A	Panel Mount
LESA50B12	12V	4.2A	With DIN-rail Bracket
LESA50P24	24V	2.2A	Panel Mount
LESA50B24	24V	2.2A	With DIN-rail Bracket
LESA50P15	15V	3.5A	Panel Mount
LESA50B15	15V	3.5A	With DIN-rail Bracket
LESA50P5	5V	10A	Panel Mount
LESA50B5	5V	10A	With DIN-rail Bracket
LESA50P48	48V	1.1A	Panel Mount
LESA50B48	48V	1.1A	With DIN-rail Bracket

ORDER INFORMATION

LE S A 50 [X] [Y]	
LE	Lubi Electronics
S	Single Output
A	Series
50	Total Power
[X]	P = Panel Mounting
	B = With Din-rail Bracket
[Y]	Output Voltage : 5, 12, 15, 24, 48

INPUT SPECIFICATIONS

AC Input Voltage	100 ~ 264VAC, 50/60Hz
AC Input Current	0.95A/115V AC 0.56A/230V AC
DC Input Voltage	140 ~ 373VDC
Max Inrush Current	40A COLD START
Leakage Current	<0.75mA/240V AC

OUTPUT SPECIFICATIONS

MODEL NUMBER	LESA50P5	LESA50P12	LESA50P15	LESA50P24	LESA50P48
Output Voltage	5V	12V	15V	24V	48V
Output Current	10A	4.2A	3.5A	2.2A	1.1A
Output Power	50W	50W	50W	50W	50W
Output Voltage Adj. Range	4.5~5.5V	10.2~13.8V	13.5~18.0V	21.6~28.8V	43.2~52.8V
Efficiency	83%	85%	85%	85%	85%
Line Regulation	±0.50%	±0.50%	±0.50%	±0.50%	±0.50%
Load Regulation	±1%	±1%	±1%	±1%	±1%
Ripple / Noise	80mVpp	120mVpp	120mVpp	150mVpp	200mVpp
Setup Time / Rise Time	1000ms, 30ms/230VAC				
Hold Time	30ms/230VAC				
Indicator	Green LED				

PROTECTION

Short Circuit	Shut Down Output Voltage, Re-power On To Recover				
Over Load	110~140% Rated Output Power				
	Protection type : Hiccup mode, recovers automatically after fault condition is removed				
Over Voltage	5.9~7.3V	13.8~16.2V	18.7~21.7V	28.8~33.6V	55~64.8V
	Protection type : Hiccup mode, recovers automatically after fault condition is removed				

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ENVIRONMENT

Storage Temp./Humidity	-40 ~ +85°C,10~95% RH
Working Temp./Humidity	-20 ~ +50°C,20~90% RH non-condensing

SAFETY & EMC

Safety	Compliance to EN 61558-1:2005/A1:2009, EN 61558-2-16 : 2009/A1:2013
EMC Emission (EMI)	Compliance to EN 55011 (CISPR 11), EN 61000-3-2,-3
EMC Immunity (EMS)	Compliance to IEC 61000-4-2,3,4,5,6,8,11
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25 °C/ 70% RH
Withstand Voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC

MECHNICAL DIMENSION

Case Chassis / Cover	Aluminium / MS
Dimension	111 x 80 x 30mm (±1.0mm Tolerance)
Terminal	5 Pins

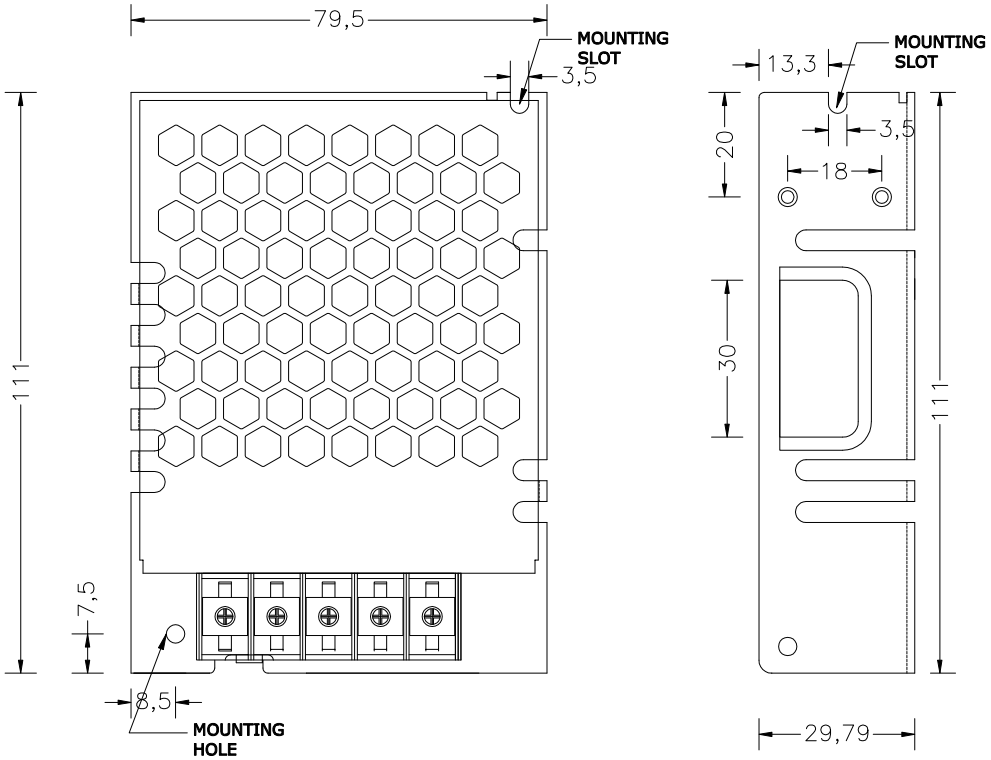
Note :

1. Instruction for Installation in a pollution degree 2 environment. ⅄Equipment of overvoltage category II
2. Ripple & Noise are measured at 20MHz by using 300mm twisted pair of load wires terminated with 0.1uF,100V Film Capacitor parallel with 47uF Electrolytic Capacitor

MOUNTING DRAWING

Panel Mounting

- LESA50P05
- LESA50P12
- LESA50P15
- LESA50P24
- LESA50P48



FRONT SIDE MOUNTING

R.H. SIDE MOUNTING