Switch Mode Power Supply

LESC100P Series

FEATURES

- Universal AC input
- Short Circuit, Output Overload and Over Voltage Protection
- Withstand 300VAC surge input for 5 second
- LED Indicator for output ON
- Convection cooled
- 100% full load burn-in test
- Conformal coating on PCBAs to protect against common dust and pollutants

APPLICATION

- Industrial Control System
- Factory Automation
- Electromechanical apparatus

CE

MODEL INFORMATION

Model Number	Output Voltage	Output Current	Mounting Style
LESC100P12	12V	8.5A	Panel Mount
LESC100P15	15V	7A	Panel Mount
LESC100P24	24V	4.5A	Panel Mount
LESC100P36	36V	2.8A	Panel Mount
LESC100P48	48V	2.3A	Panel Mount

ORDER INFORMATION

LE S C 100 X Y	
LE	Lubi Electronics
S	Single Output
C	Series
100	Total Power
X	P = Panel Mounting
Y	Output Voltage : 12, 15, 24, 36, 48

INPUT SPECIFICATIONS

AC Input Voltage	90~264VAC
AC Input Current	1.9A/115V AC 1.2A/230V AC
DC Input Voltage	125~370V DC
Max Inrush Current	50A at 230V AC Ta=25°C (COLD START)
Leakage Current	<1mA/230V AC

OUTPUT SPECIFICATIONS

MODEL NUMBER	LESC100P12	LESC100P15	LESC100P24	LESC100P36	LESC100P48
DC Voltage	12V	15V	24V	36V	48V
Rated Current	8.5A	7A	4.5A	2.8A	2.3A
Output Power	102W	105W	108W	101W	110W
Output Voltage Adj. Range	10 ~ 14 V	13 ~ 18 V	21 ~ 27 V	32 ~ 39 V	44 ~ 52 V
Efficiency	>84%	>84%	>84%	>84%	>84%
Line Regulation	+/- 1%	+/- 1%	+/- 1%	+/- 1%	+/- 1%
Load Regulation	+/- 1%	+/- 1%	+/- 1%	+/- 1%	+/- 1%
Ripple & Noise (Note 1)	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
Hold Time	10mS / 115VAC 30mS / 230VAC				
Indicator	Green Led				

PROTECTION

Short Circuit	Shut Down Output Voltage, Re-power On To Recover				
Over Load	Above 110% Rated Output Power				
Over Voltage	14 ~ 16 V	19 ~ 21 V	28 ~ 33 V	41 ~ 48 V	55 ~ 64 V

Note :

1. 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
2. Current limit with automatic recovery. Avoid to operate at overload or dead short for more than 30 seconds.
3. In Overvolatge situation, Output will shutdown and required manual reset (Re- power on)

Switch Mode Power Supply

LESC100P Series

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	Aluminimum / SS
Dimension	129 x 98 x 38mm (±1.0mm Tolerance)
Terminal	7 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

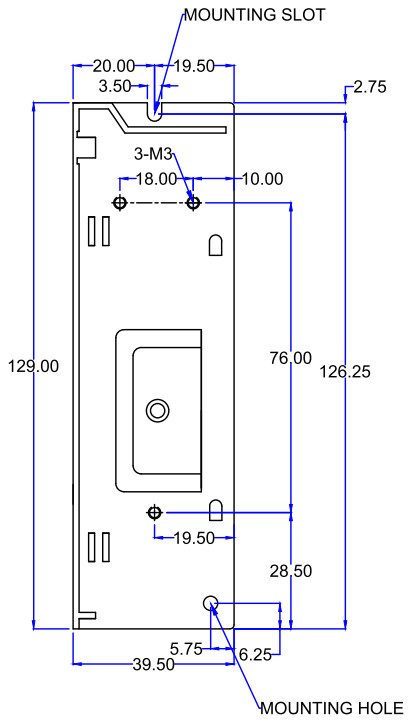
MOUNTING DRAWING

Panel Mounting

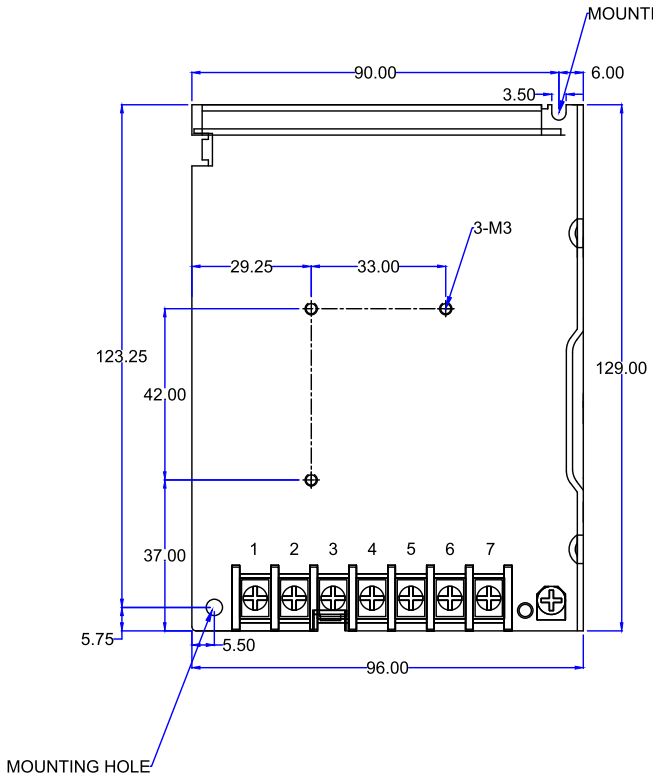
- LESC100P12
- LESC100P15
- LESC100P24
- LESC100P36
- LESC100P48

Terminal Pin No. Assignment (TB1)

Pin No.	Assignment
1	AC/L or DC+
2	AC/N or DC-
3	FG ⏚
4,5	DC Output -V
6,7	DC Output +V



SIDE VIEW



FRONT VIEW