

**FEATURES**

- Universal AC input
- Short Circuit, Output Overload and Over Voltage Protection
- LED Indicator for output ON
- Convection cooled
- 100% full load burn-in test
- Conformal coating on PCBAs to protect against common dust and pollutants
- Slim profile for DIN-rail mounting

APPLICATION

- Industrial Control System
- Factory Automation
- Electromechanical apparatus

**MODEL INFORMATION**

Model Number	Output Voltage	Output Current	Mounting Style
LESA120D12	12V	10A	DIN rail Mount
LESA120D24	24V	5A	DIN rail Mount
LESA120D48	48V	2.5A	DIN rail Mount

ORDER INFORMATION

LE S A 120 D ☐ Y	
LE	Lubi Electronics
S	Single Output
A	Series
120	Total Power
D	D = DIN rail Mounting
☐ Y	Output Voltage : 12, 24, 48

INPUT SPECIFICATIONS

AC Input Voltage	90~264VAC, 50/60 Hz
AC Input Current	2.25A/115V AC 1.3A/230V AC
DC Input Voltage	127~370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)]
Max Inrush Current	20A/115VAC 35A/230VAC
Leakage Current	<1mA/240V AC

OUTPUT SPECIFICATIONS

MODEL NUMBER	LESA120D12	LESA120D24	LESA120D48
Output Voltage	12V	24V	48V
Output Current	10A	5A	2.5A
Output Power	120W	120W	120W
Output Voltage Adj. Range	12 ~ 14 V	24 ~ 28 V	48 ~ 55 V
Efficiency	83%	86%	87%
Line Regulation	+/- 0.5%	+/- 0.5%	+/- 0.5%
Load Regulation	+/- 1%	+/- 1%	+/- 1%
Ripple / Noise	<100mVp-p	<120mVp-p	<150mVp-p
Setup Time / Rise Time	1200mS / 60mS 230VAC 2500mS / 60mS 115VAC at full load		
Hold Time	16mS / 230VAC 10mS/115VAC at full load		
Indicator	Green Led		

PROTECTION

Over Voltage	14~17V	29~33V	56~65V
	Protection Type : Shut Down Output Voltage, Re-power On to Recover		
Over Load	105~130% rated output power Contant Current limiting,recovers automatically after fault condition removed		

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 55032 (CISPR 32), 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

MECHANICAL DIMENSION

Case Chassis / Cover	Aluminium / SS
Dimension	40 x 126 x 114mm (W x H x D) (±1.0mm Tol.)

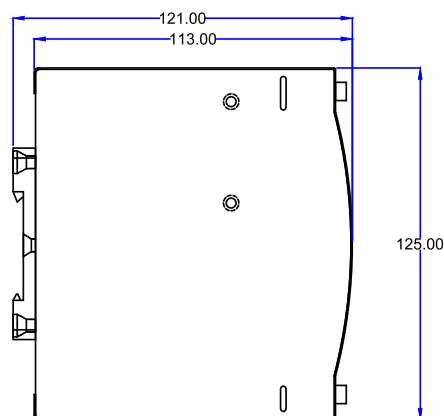
Note :

1. Instruction for Installation in a pollution degree 2 environment. $\square$ 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

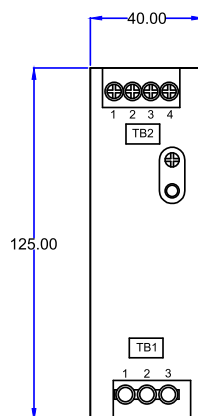
MOUNTING DRAWING

Mechanical Specification

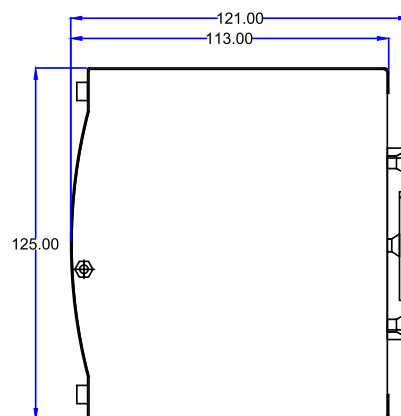
Unit : mm



SIDE VIEW

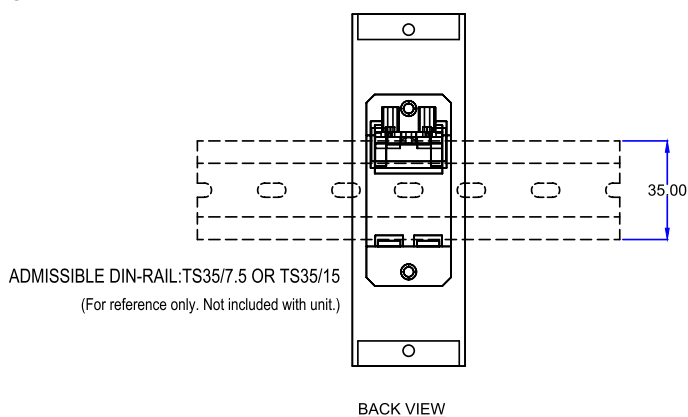


FRONT VIEW



SIDE VIEW

Installation Instruction



BACK VIEW

Terminal Pin No. Assignment (TB1)

Pin No.	Assignment
1	FG $\oplus$
2	AC/N or DC -
3	AC/L or DC +

Terminal Pin No. Assignment (TB2)

Pin No.	Assignment
1,2	DC OUTPUT -V
3,4	DC OUTPUT+V

