

Switch Mode Power Supply - 3 Phase

LE3A120D24



FEATURES

- Universal AC input range
- **Protection** : Short Circuit, Overload, Over Voltage
- Cooling By Free Air
- 100% Full Load Burn In Test

APPLICATION

- Industrial Control System
- Factory Automation
- Electromechanical apparatus

MODEL INFORMATION

Model Number	Output Voltage	Output Current	Mounting Style
LE3A120D24	24V	5A	DIN rail Mount

ORDER INFORMATION

LE 3 A 120 D ☐ Y	
LE	Lubi Electronics
3	Three Phase Input
A	Series
120	Total Power
D	D = DIN rail Mounting
☐ Y	Output Voltage : 24

INPUT SPECIFICATIONS

AC Input Voltage	3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
AC Input Current	0.4A/400VAC, 0.3A/500VAC, 0.2A/800VDC, 0.4A/450VDC
DC Input Voltage	450~800VDC
Max Inrush Current	max. 40A
Earth Leakage Current	3.5mA

OUTPUT SPECIFICATIONS

MODEL NUMBER	LE3A120D24
Output Voltage	24V
Output Current	5A
Output Power	120W
Output Voltage Adj. Range	22 ~ 28 V
Efficiency	>85%
Line Regulation	± 1%
Load Regulation	± 1%
Ripple / Noise	<50mVp-p
Rise Time	100mS
Hold Time	> 40 ms @ 3 x 500 V AC / > 20 ms @ 3 x 400 V AC
Indicator	Green LED (Uoutput >21.6 V DC), Yellow LED(loutput > 90 % IRatedtyp.), Red LED (overload, overtemperature, shortcircuit, Uoutput <20.4 V DC)

PROTECTION

Over Voltage	29~33V
	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

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SIGNALLING

Contact load (NO contact)	max. 30 V DC / 1 A
Relay on/off	Output voltage >21.6 V DC/ <20.4 V DC, overload
Floating contact	Yes

ENVIRONMENT

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

SAFETY & EMC

Withstand Voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
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MECHANICAL DIMENSION

Case Chassis / Cover	Aluminium / SS
Dimension	113 x 46 x 125mm (W x H x D) (±1.0mm Tol.)

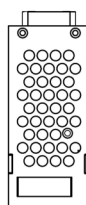
Note :

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

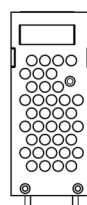
MOUNTING DRAWING

Mechanical Specification

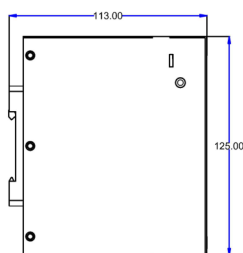
Unit : mm



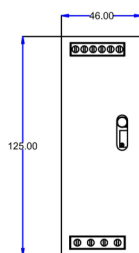
TOP VIEW



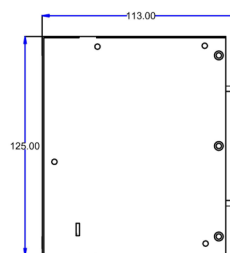
BOTTOM VIEW



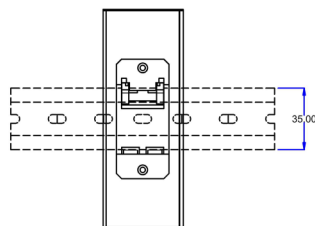
L.H VIEW



FRONT VIEW



R.H VIEW



BACK VIEW