

*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

MODEL	KLEA/KLNA120F-24	KLEA/KLNA120F-48		
MAX OUTPUT WATTAGE[W]	120	120		
DC OUTPUT	24V 5A	48V 2.5A		

SPECIFICATIONS

	MODEL				
INPUT	MODEL		RLEA/RLNA120F-24	KLEA/KLNA120F-48	
	VOLTAGE[V]		AUSD - 264 1 ¢ (Uutput derating is required) *9		
	CURRENT[A]	ACIN 115V	1.2typ		
		ACIN 230V	U.6typ		
	FREQUENCY[Hz]		50 / 60 (45 - 66)		
	FFFICIENCY[%]	ACIN 115V	86.5typ		
		ACIN 230V	88.0typ		
		ACIN 115V	0.98typ		
	FOWENTACION	ACIN 230V	0.90typ		
	INRUSH CURRENT[A]	ACIN 115V	20typ (Io=100%)(at cold start Ta=25°C)		
	*1	ACIN 230V	40typ (lo=100%)(at cold start Ta=25°C)		
	LEAKAGE CURRENT[mA]		0.45 / 0.75max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60950-1 and DEN-AN)		
	VOLTAGE[V]		24	48	
	CURRENT[A]		5	2.5	
	LINE REGULATION[m	IV] *2	96max (lo=30-100%) *8	192max (Io=30-100%) *8	
	LOAD REGULATION	mV] *2	150max (lo=30-100%) *8	300max (lo=30-100%) *8	
		0 to +70℃	150max	150max	
	RIPPLE[mVp-p] *3	-20 - 0°C	240max	240max	
		lo=0 - 30%	500max	650max	
	RIPPLE NOISE[mVp-p] *3	0 to +70℃	180max	180max	
OUTPUT		-20 - 0°C	300max	300max	
		lo=0 - 30%	500max	650max	
	TEMPERATURE REGULATION[mV]	0 to +70℃	240max	480max	
		-20 to +70°C	290max	600max	
	DBIFT[mV]	*4	96max	192max	
	START-UP TIME[ms]		500tvp (ACIN 115V. Io=100%)		
	HOLD-UP TIME[ms]				
	OUTPUT VOI TAGE ADJUSTMENT BANGEIVI		21.60 to 26.40	43.20 to 52.80	
	OUTPUT VOLTAGE SETT	NG[V]	24 00 to 24 96	48 00 to 49 92	
PROTECTION	OVERCUBBENT PROTECTION Works over 105% of		Works over 105% of rating and recovers automatically	05% of rating and recovers automatically	
			27 60 to 33 60	54 00 to 67 20	
OTHERS			LED (Green)	01.0010 01.20	
ISOLATION		COLITION ACCOUNT ACCOU			
			AC2 000V 1 minute, Cutoff current = 10mA DC500V 50M Ω min (At Boom Temperature)		
			AC500V 1 minute, cutoff current = 100mA_DC500V 50MQ min (dt Room Temperature)		
	OPERATING TEMP HIMID AND ALTITUDE -20 to +70°C (Required to Derating) 20 - 90% BH (Non-condensity)		condensing)		
ENVIRONMENT	STORAGE TEMP HUMID AND A	P HIMD AND ALTITUDE - 30 to +85°C 20 - 90% BH (Non condensing)			
	VIBBATION	*7	10 - 55Hz 19 6m/s ² (2G) 3minutes period 60 minutes along 7 axis (Non operating mounted on DIN Rail)		
	IMPACT	196.1m/s ² (20G), 11ms, once each X. Y and Z axis (Packing state)			
			UI 60950-1 C-UI (CSA60950-1) EN60950-1 UI 508 Complies with DEN-AN		
NOISE	CONDUCTED NOISE	-	Complies with ECC-B, VCCI-B, CISPB22-B, EN55011-B, EN55022-B		
REGULATIONS	HARMONIC ATTENU	ENUATOR Complex with IEC61000-3-2 (Class A) \$5			
OTHERS	CASE SIZE	*6	38×12/×117mm (W×H×D) [1 5×/ 88×/ 61 inches]		
	WEIGHT		580a max		
	COOLING METHOD		Convection		

*1

*2 *3

The value is primary surge. The current of input surge to a built-in EMI/EMC Filter(0.2ms or less) is excluded. Please contact us about dynamic load and input response. This is the value that measured on measuring board with capacitor of 22 µF and 0.1 µ F at 150mm from output terminal. Measured by 20MH2 oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKN: RM103). Please refer to the instruction manual 2.5. The value of the struction manual 2.5. The value of the struction manual 2.5. The value of the value of

*8 *9

- Burst operation at 30% load or less. Please contact us about DC input voltage. To meet the specifications. Do not operate over-loaded condition.
- A sound may occur from power supply at light or peak loading.
- Case size contains neither the unbo. Case size contains neither the unbo. Only as standard mounting orientation (A). Refer to the instruction manual 4.1. If install other than standard mounting orientation (A), please fix the power supply for withstand the vibration and impact.

Block diagram



External view

<KLEA120F(Euro Style I/O Terminals)>

<KLNA120F(Barrier Blocks Style I/O Terminals)>



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% Tolerance : ±1.5 [±0.06]
% Weight : 580g max

- PCB Material/thickness : FR-4 / 1.6mm [0.06]
 Chassis material : Aluminum
- * Case material : Stainless steel
- Din rail attachment material : Aluminum, Stainless steel, Nylon
 Dimensions in mm, [] = inches
- % Screw tightening torque : 1N · m max

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