

Cosel KLEA120F SERIES 120 Watt DIN Rail Mount Power Supply

Measures: 4.88 x 4.77 x 1.50"

						N 4
COŞEL		wor S		Ordering in	formation	Measures
	KLEA/	KL	NA120F		A 120 F	• • • • •
e RoHS	℗ር€				Recommended EMI/EMC Filter NAC-04-472-D UNIC AT A COMPARIANCE OF A COMPARI	
MODEL			KLEA/KLNA120F-24		KLEA/KLNA120F-48	
DC OUTPUT	T WATTAGE[W]		120 120 24V 5A 48V 2.5A			
	CATIONS		· · ·			
	MODEL		KLEA/KLNA120F-24		KLEA/KLNA120F-48	
	VOLTAGE[V]		AC85 - 264 1 ¢ (Output derating is required) *9			
INPUT	CURRENT[A]	ACIN 115V ACIN 230V	1.2typ 0.6typ			
	FREQUENCY[Hz]	AGIN 230V	50 / 60 (47 - 63)			
	EFFICIENCY[%]	ACIN 115V	86.5typ			
	EFFICIENC [76]	ACIN 230V	88.0typ			
	POWER FACTOR	OR ACIN 115V 0.98typ				
	INRUSH CURRENT[A]	ACIN 230V ACIN 115V		20typ (lo=100%)(at cold start Ta=25°C)		
	*1	ACIN 230V	40typ (lo=100%)(at cold start Ta=25°C)			
	LEAKAGE CURRENT		I 100V / 240V 60Hz, Io=100%, According to IEC60950-1 and DEN-AN) 48			
OUTPUT	VOLTAGE[V] CURRENT[A]		24 5		2.5	
	LINE REGULATION[mV] *2				192max (lo=30-100%) *8	
	LOAD REGULATION[mV] *2				300max (lo=30-100%) *8	
	RIPPLE[mVp-p] *3	0 to +70°C -20 - 0°C			150max 240max	
	RIPPLE [mVp-p] *3	-20 - 0 C	240max 500max		650max	
		0 to +70°C	180max 180max 300max 300max			
		lo=0 - 30% 0 to +70°C	500max 650max 240max 480max			
	TEMPERATURE REGULATION[mV]	-20 to +70°C			600max	
	DRIFT[mV] *4		96max 192max			
	START-UP TIME[ms]		500typ (ACIN 115V, Io=100%)			
	HOLD-UP TIME[ms] OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		20typ (ACIN 115V, Io=100%) 21.60 to 26.40		43.20 to 52.80	
	OUTPUT VOLTAGE SETTING[V]		24.00 to 24.96		48.00 to 49.92	
PROTECTION	OVERCURRENT PROTE		Works over 105% of rating and recov	ers automatically	E4.001 07.00	
CIRCUIT AND OTHERS	OVERVOLTAGE PROTECTION[V] DC OK LAMP		27.60 to 33.60 54.00 to 67.20			
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)			
ISOLATION	INPUT-PE		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)			
			AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)			
	OPERATING TEMP.,HUMID.AND ALTITUDE STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +70°C (Required to Derating), 20 - 90%RH (Non condensing) -30 to +85°C, 20 - 90%RH (Non condensing)			
ENVIRONMENT	VIBRATION *7		10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60 minutes along Z axis (Non operating, mounted on DIN Rail)			
	IMPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis (Packing state)			
SAFETY AND NOISE	AGENCY APPROVALS CONDUCTED NOISE		UL60950-1, C-UL (CSA60950-1), EN60950-1, UL508, Complies with DEN-AN Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B, EN55022-B			
REGULATIONS	HARMONIC ATTENU		Complies with IEC61000-3-2 (Class A) *5			
	CASE SIZE *6		38×124×117mm (W×H×D) [1.5×4.88×4.61 inches]			
OTHERS	WEIGHT		580g max			
	COOLING METHOD		Convection / Forced air			
Filter(0.2ms *2 Please contai *3 This is the va and 0.1 µ F at Measured by KEISOKU-GI	primary surge. The current of input or less)is excluded. It us about dynamic load and input lue that measured on measuring b 150mm from output terminal. 20MHz oscilloscope or Ripple-No KEN: RM103). to the instruction manual 2.5.	response. oard with capa	*6 Case size contains neither the umbo.	a held constant at the rated ir A). Refer to the instruction ma orientation (A), please fix the	put/ *9 Please contact us about DC * To meet the specifications. I * A sound may occur from po nual 4.1.	

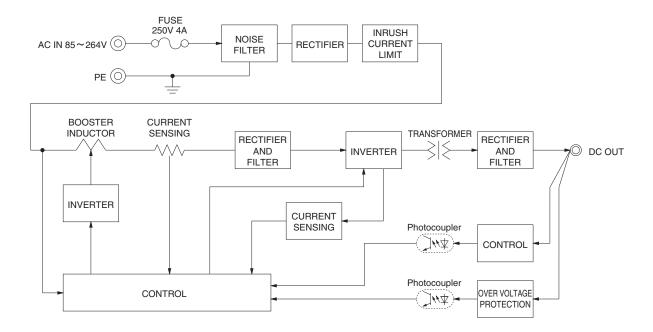




Cosel KLEA120F SERIES 120 Watt DIN Rail Mount Power Supply

Measures: 4.88 x 4.77 x 1.50"

Block diagram



External view

<KLEA120F(Euro Style I/O Terminals)>

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

