

## Cosel KLEA240F SERIES 240 Watt DIN Rail Mount Power Supply

Measures: 4.88 x 4.77 x 1.97"

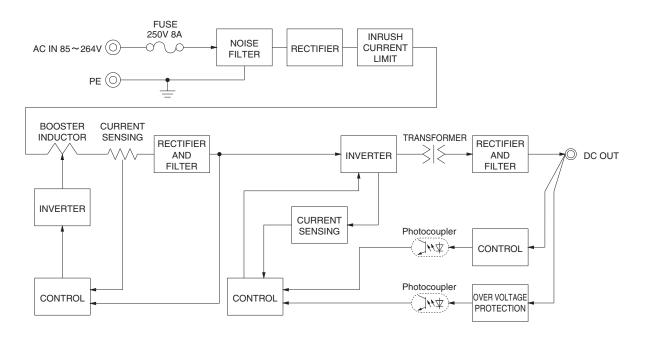
COŞEL	AC-DC PC	ower S	upplies DIN Rail Type	Ordering information		
	KLEA/	KL	NA240F	KL A 240 F		
c <b>FU</b> us RoHS	<b>()</b> (€	NIG-DIA			Recommended EMVEMC Filt NAC-06-472-D	KLE: Euro Style I/O Termin KLN: Barrier Blocks Style I/O Terminals (2) Single output (3) Output wattage (4) Universal input (5) Output voltage (6) Option C: with Coating M2: Screw mounting
ODEL			KLEA/KLNA240F-24		KLEA/KLNA240F-48	
	IT WATTAGE[W]		240		240	
DC OUTPUT			24V 10A 48V 5A			
PECIF	ICATIONS					
	MODEL		KLEA/KLNA240F-24		KLEA/KLNA240F-48	
	VOLTAGE[V]	ACIN 115V	AC85 - 264 1 $\phi$ (Output derating is rec 2.4typ	uired) *8		
	CURRENT[A]	ACIN 115V ACIN 230V	1.3typ			
INPUT	FREQUENCY[Hz]		50 / 60 (47 - 63)			
	EFFICIENCY[%]	ACIN 115V ACIN 230V				
		90typ 0.98typ				
	POWER FACTOR	ACIN 115V ACIN 230V	.90typ			
	INRUSH CURRENT[A]	ACIN 115V	20typ (lo=100%)(at cold start Ta=25°C)			
	*1 ACIN 230V		40typ ( $10=100\%$ )(at cold start Ta=25°C)			
OUTPUT	LEAKAGE CURRENT[mA] VOLTAGE[V]		0.45 / 0.75max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60950-1 and DEN-AN) 24 48			
	CURRENT[A]		10	5		
	LINE REGULATION[mV] *2		96max		192max	
	LOAD REGULATION[mV] *2 0 to +70°C		150max 150max		300max 150max	
	RIPPLE[mVp-p] *3	-20 - 0°C	240max		240max	
		0 to +70°C	180max		180max	
	RIPPLE NOISE[mVp-p] *3	-20 - 0°C	300max		300max	
	TEMPERATURE REGULATION[mV]	0 to +70℃ -20 to +70℃	240max 290max		480max 600max	
	DRIFT[mV] *4		96max		192max	
	START-UP TIME[ms]		500typ (ACIN 115V, Io=100%)			
	HOLD-UP TIME[ms]		20typ (ACIN 115V, Io=100%)		10000 5000	
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		21.60 to 26.40 24.00 to 24.96		43.20 to 52.80 48.00 to 49.92	
	OUTPUT VOLTAGE SETTING[V] OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically			
IRCUIT AND	ND OVERVOLTAGE PROTECTION[V] 27.60 to 33.60 54.00 to					
THERS	DC_OK LAMP		LED (Green)			
ISOLATION	INPUT-OUTPUT INPUT-PE		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)			
	OUTPUT-PE		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)			
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE		-20 to +70°C (Required to Derating), 20 - 90%RH (Non condensing)			
	STORAGE TEMP., HUMID.AND ALTITUDE		-30 to +85°C, 20 - 90%RH (Non condensing) 10 - 55Hz, 19.6m/s <sup>2</sup> (2G), 3minutes period, 60 minutes along Z axis (Non operating, mounted on DIN Rail)			
	VIBRATION *7 IMPACT		196.1m/s <sup>2</sup> (20G), 11ms, once each X, Y and Z axis (Packing state)			
AFETY AND	AGENCY APPROVALS UL60950-1, C-UL (CSA60950-1), EN60950-1, UL508, Complies with DEN-AN					
	CONDUCTED NOISE					
OTHERS	HARMONIC ATTENUATOR		Complies with IEC61000-3-2 (Class A) *5 50×124×117mm (W×H×D) [1.97×4.88×4.61 inches]			
	CASE SIZE *6 WEIGHT		50x124×11/mm (W×H×D) [1.97×4.88×4.61 inches] 750g max			
	COOLING METHOD		Convection / Forced air			
Filter(0.2ms	primary surge. The current of input or less)is excluded. ct us about dynamic load and input		It-in EMI/EMC #4 Drift is the change in DC output for an ei warm-up at 25°C, with the input voltage output. citor of 22 µF #5 Please contact us about another class.	ght hour period after a half-h held constant at the rated inp	ut/ * To meet the specifications	DC input voltage. 5. Do not operate over-loaded condition. power supply at light or peak loading.





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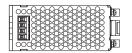
**Block diagram** 

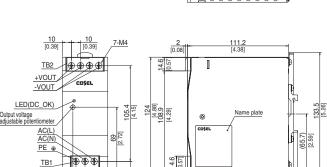


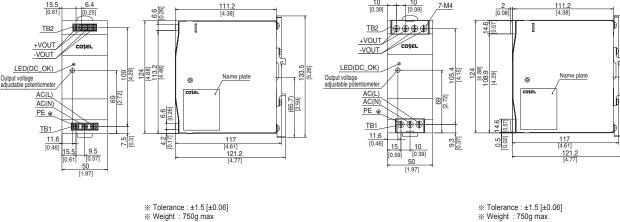
**External view** 

## <KLEA240F(Euro Style I/O Terminals)>

## <KLNA240F(Barrier Blocks Style I/O Terminals)>







- % Weight : 750g max
- % PCB Material/thickness : FR-4 / 1.6mm [0.06] % Chassis material : Aluminum
- ※ Case material : Stainless steel
- % Din rail attachment material : Aluminum, Nylon
- ※ Dimensions in mm, [ ] = inches
- % Screw tightening torque : 1N · m max

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- \* Case material : Stainless steel
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- Dimensions in mm, [] = inches
   Screw tightening torque : 1.6N · m max



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