

Cosel **KHEA30F SERIES**

30 Watt DIN Rail Mount Power Supply

c AU °us	KHEA	/ N			
c '911 °us		/		KH A 3	80 F
N °us				1 2 3	<u>(4)</u> (5) (8)
RoHS	A CE			High voltage pulse. Low leakage currer * The EMVEMCE	 de EMI/EMC Filter 72-D Series name KHE : Euro style I/O terminals (V) terminals Single output (Ø) Output wattage (Ø) Uitversal input (Ø) Output voltage (Ø) Option C : with Coating
MODEL KHEA/KHN			KHEA/KHNA30F-5	KHEA/KHNA30F-12	KHEA/KHNA30F-24
	JT WATTAGE[W]		25	27.6	31.2
			5V 5A	12V 2.3A	24V 1.3A
PECIF	ICATIONS				
	MODEL		KHEA/KHNA30F-5	KHEA/KHNA30F-12	KHEA/KHNA30F-24
	VOLTAGE[V]	ACIN 115V	AC85 - 264 1 ϕ (Output derating is 0.45typ	0.50typ	0.55typ
	CURRENT[A]	ACIN 230V	0.30typ	0.30typ	0.35typ
INPUT	FREQUENCY[Hz]		50 / 60 (47 - 440) or DC	87 Otvo	88 5tvp
PUI	EFFICIENCY[%]	ACIN 115V ACIN 230V	84.0typ 85.5typ	87.0typ 88.5typ	88.5typ 89.5typ
	INRUSH CURRENT[A]	ACIN 115V	18typ (lo=100%) (at cold start Ta=2	25°C)	1
	*1 ACIN 230V		35typ (lo=100%) (at cold start Ta=2		
ουτρυτ	LEAKAGE CURRENT[mA] VOLTAGE[V]		0.45 / 0.75max (ACIN 100V / 240V 5	12	24
	CURRENT[A]		5.0	2.3	1.3
	PEAK CURRENT[A]		-	-	-
	LINE REGULATION[n		20max 80max	48max 100max	96max 150max
	•	0 to +70°C	150max	150max	150max
		-20 - 0℃	300max	300max	300max
		lo=0 - 30% 0 to +70°C	300max *4 180max	300max *4 180max	300max *4 180max
	RIPPLE NOISE[mVp-p] *3	-20 - 0°C	360max	360max	360max
		lo=0 - 30%	360max *4	360max *4	360max *4
	TEMPERATURE REGULATION[mV]	0 to +70°C	50max	120max	240max 290max
	DRIFT[mV] -20 to +70°C		60max 20max	150max 48max	96max
	START-UP TIME[ms]		200typ (ACIN 115V, Io=100%)		1
	HOLD-UP TIME[ms]		20typ (ACIN 115V, Io=100%)	10 90 to 10 00	00 E0 to 00 E0
	OUTPUT VOLTAGE ADJUSTMENT F	••	4.50 to 5.50 5.00 to 5.15	10.80 to 13.20 12.00 to 12.48	22.50 to 28.50 24.00 to 24.96
ROTECTION	OVERCURRENT PROTE		Works over 105% of rating and reco		
RCUIT AND	OVERVOLTAGE PROTE	CTION[V]	6.30 to 7.60	13.80 to 16.80	30.00 to 36.00
OTHERS	DC_OK LAMP INPUT-OUTPUT		LED (Green) AC3,000V 1minute, Cutoff current =	10mA_DC500V_50MO_min_(A+ P	nom Temperature)
OLATION	INPUT-PE		AC2,000V 1minute, Cutoff current =	· · · · · · · · · · · · · · · · · · ·	• •
	OUTPUT-PE		AC500V 1minute, Cutoff current = 1	00mA, DC500V 50M Ω min (At Re	
	OPERATING TEMP., HUMID.AND ALTITUDE		-20 to +70°C (Required to Derating), 20 - 90%RH (Non condensing)		
VIRONMENT	STORAGE TEMP., HUMID.AND ALTITUDE VIBRATION *8		-30 to +85°C, 20 - 90%RH (Non cor 10 - 55Hz, 19.6m/s ² (2G), 3minutes	-,	(Non operating, mounted on DIN Rail)
	IMPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis (Packing state)		
SAFETY AND	AGENCY APPROVALS (At only AC input)		UL60950-1, C-UL(CSA60950-1), UL508 (NEC Class2 per UL1310), ANSI/ISA12.12.01, EN60950-1, EN60178 Complian with DEN AN		
ISE			EN50178 Complies with DEN-AN Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B, EN55022-B		
REGULATIONS	HARMONIC ATTENUATOR		Complies with IEC61000-3-2 (Class A) *6 (Not built-in to active filter) *9		
	CASE SIZE *7		22.5×75×90mm (W×H×D) [0.89×2.95×3.54 inches]		
THERS	WEIGHT		165g max		
	COOLING METHOD		Convection / Forced air		
	a primary ourga. The ourrant of i	input surge to	a built-in EMI/EMC Filter(0.2ms or less)is	*6 Please contact us about another class.	

30% load factor. *5 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.

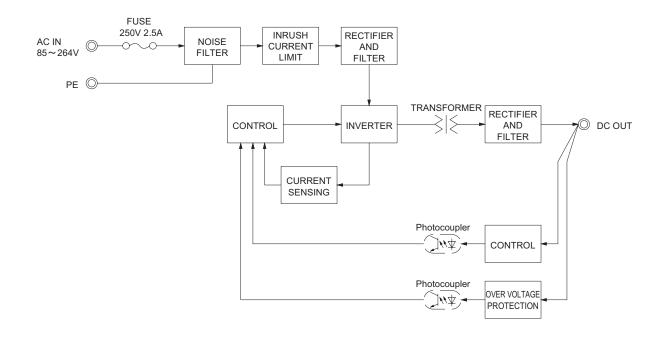




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Measures: 3.54 x 3.35 x 0.80"'

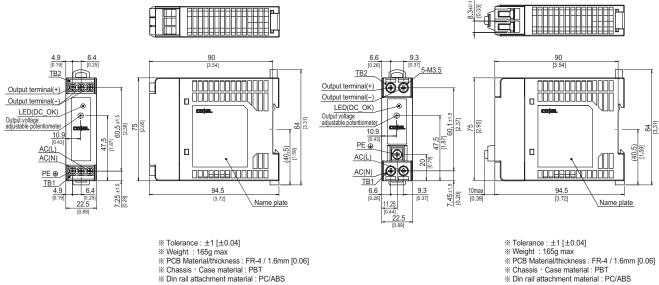
Block diagram



External view

<KHEA30F(Euro Style I/O Terminals)>

<KHNA30F(Barrier Blocks Style I/O Terminals)>



- Dimensions in mm, [] = inches
 Screw tightening torque : 1N · m max

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 Screw tightening torque : 1N · m max