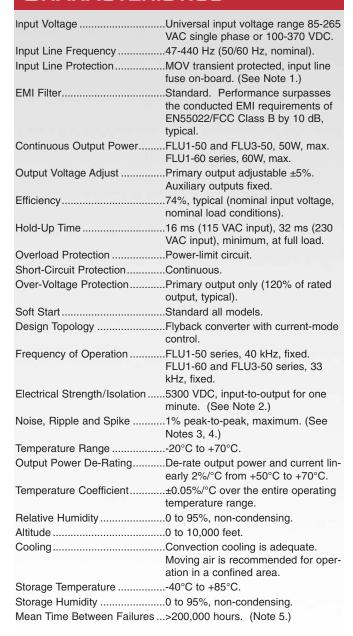
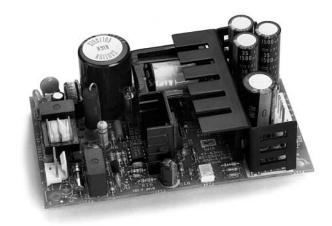
50-60W

OPEN-FRAME SWITCHING POWER SUPPLIES

- ✓ Single and Triple Output Models
- ✓ Universal AC Input
- ✓ CE Mark: UL/CSA/EN60950 Approvals
- ✓ EN55022/FCC Class B Input Line Filters
- 0% Minimum Load Requirement
- ✓ Over-Current/Short-Circuit Protection
- 2-Year Warranty
- ✓ Minimum 200,000-Hour MTBF

CHARACTERISTICS



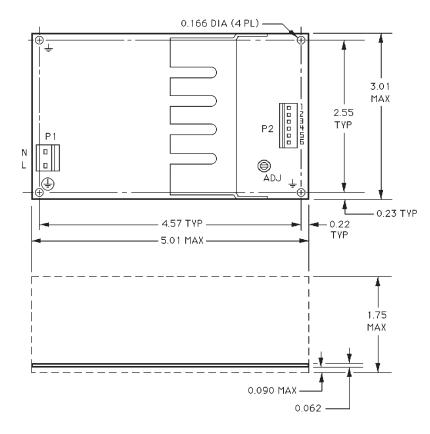


			Out	out Cu	rrant	Output			
	Output V	/oltage				Voltage	Line	Load	Cross-
Model	Output		(A)	(A)	(A)	Tol.	Reg.	Reg.	Reg.
AC-DC 50W Singles 85-265 VAC Input									
FLU1-50-1AD	V1	5	0.00	10.0	10.0	1.0%	0.5%	0.5%	·—
FLU1-50-3AD	V1	12	0.00	4.20	4.20	1.0%	0.5%	0.5%	_
FLU1-50-5AD	V1	24	0.00	2.10	2.10	1.0%	0.5%	0.5%	_
AC-DC 50W Triples 85-265 VAC Input									
	V1	+5	0.00	5.00	6.00	1.0%	0.2%	1.0%	·—
FLU3-50-1AD		+12	0.00	1.60	3.00*				5.0%
	V3	- 12	0.00	0.50	0.50	5.0%	2.0%	3.0%	5.0%
	V1	+5	0.00	5.00	6.00	1.0%	0.2%	1.0%	_
FLU3-50-3AD	V2	+15	0.00	1.15	2.00*	5.0%	1.0%	3.0%	5.0%
	V3	-15	0.00	0.50	0.50	3.0%	0.5%	1.0%	1.0%
AC-DC 60W Singles 85-265 VAC Input								nput	
FLU1-60-1AD	V1	5	0.00	12.0	12.0	1.0%	0.1%	0.2%	_
FLU1-60-5AD	V1	24	0.00	2.50	2.50	1.0%	0.1%	0.2%	_
* Peak output current rating = 5.0A (<60 seconds, duty cycle <10%).									



50-60W

OPEN-FRAME SWITCHING POWER SUPPLIES



FLU1-50 SERIES

- A. Dimensions shown are in inches.
- B. Tolerances = 0.00 ± 0.01 inch.
 - 0.000 ±0.005 inch.
- C. P1 input connectors are Molex 26-60-4030. The mating connector combines Molex housing 43061-0003 and crimp terminal 08-70-1030.
- D. P2 output connectors are Molex 26-60-4060. The mating connector combines Molex housing 43061-0006 and crimp terminal 08-70-1030.

Pin-Out

Pin	FLU1-50
1	V1
2	V1
3	V1
4	Return
5	Return
6	Return

Notes

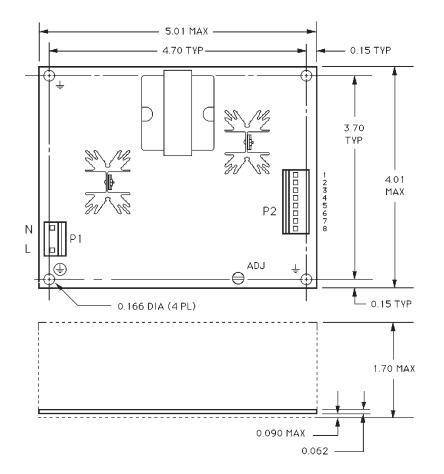
- Replace the input line fuse with the same type and rating. Recommended: 2A/250V slow-blow fuse.
- Electrical strength/isolation is 2200 VDC from the input of the supply to ground for 60 seconds.
- 3. All measurements are made directly at the terminals of the power supply.
- 4. Peak-to-peak and RMS metering equipment must have a 20 MHz frequency response with probes and cables that maintain a frequency response of 20 Hz to 20 MHz. Output ripple and spikes are measured directly at the output terminals of the power supply with a 0.1 µF ceramic capacitor. The instruments' probe ground band must make direct contact with the output return or common terminal of the supply to prevent erroneous noise measurements.
- MTBF is calculated using the parts stress method in MIL-HDBK 217F (ground benign, T_A = +25°C).

- 6. Output voltage tolerance is measured under nominal load conditions.
- Line regulation is measured under nominal load conditions as the input voltage is varied from 85 to 265 VAC.
- 9. Load regulation is measured at 115 VAC or 230 VAC. For single output models, load regulation is measured while output current is varied from 0% to 100% of full load. With multiple output models, the output under test is brought to 60% of nominal load; load current is then varied +40%/-30% of nominal while other outputs are held at nominal load conditions.
- Cross-regulation is tested by changing the load on the primary output from 50% to 100% of nominal load while measuring the voltage change on the auxiliary output under test.
- The FLU1-50, FLU3-50 and FLU1-60 series are approved to UL1950 (File E140439), CSA22.2 No.234 (File LR52335) and EN60950/IEC950/DIN VDE 0805 (TÜV Licenses R9271543, R9171470, and R9271468).



50-60W

OPEN-FRAME SWITCHING POWER SUPPLIES



FLU3-50/FLU1-60 SERIES

- A. Dimensions shown are in inches.
- B. Tolerances = 0.00 ± 0.01 inch. 0.000 ± 0.005 inch.
- C. P1 input connectors are Molex 26-60-4030. The mating connector combines Molex housing 43061-0003 and crimp terminal 08-70-1030.
- D. P2 output connectors: FLU1-60 series—Molex 26-60-4080, FLU3-50 series—Molex 26-60-4060.

 Mating connector housings: FLU1-60 series—Molex 43061-0008, FLU3-50 series—Molex 43061-0006.

 Crimp terminals: Molex 08-70-1030.

Pin-Out

Pin	FLU3-50	FLU1-60
1	V2	+Sense [§]
2	V1	V1
3	V1	V1
4	Common	V1
5	Common	Return
6	V3	Return
7	N/A	Return
8	N/A	-Sense [§]

§ If sense terminals are not used, tie together Pins 1 and 2 and tie together Pins 7 and 8.

