

## GLC75 SINGLE OUTPUT SERIES INSTALLATION INSTRUCTIONS

**MODEL NUMBERS:** GLC75-X where X represents the output voltage, which may be any number from 5 thru 28. Models may be followed by suffix -L to indicate optional chassis is provided and/or -XXX to indicate value added configurations that have no impact on safety which may be any number from 001 thru 999 and/or G to indicate compliance to RoHS.

**RATINGS:**

Input: 100-240 V ac, 3.0 A, 50/60 Hz

Output: 5 thru 28 V, 20 thru 4 A

Ratings for output voltages 5 thru 11

70 W maximum, convection cooled.

100 W maximum, with a minimum of 26 CFM airflow.

Ratings for output voltages 12 thru 28

75 W maximum, convection cooled.

110 W maximum, with a minimum of 26 CFM airflow.

- Notes:
1. Maximum ambient temperature for rated output power is 50 °C.
  2. Maximum Operating Relative Humidity 96 %, no condensation.
  3. Storage: -40 to +85 °C. Units should be allowed to warm-up under non-condensing conditions before application of power.



**SAFETY DECLARATION:** SL Power Electronics Corp. declares under our sole responsibility that all models listed above are in conformity with the applicable requirements of EN 60950-1 following the provisions of the Low Voltage Directive 73/23/EEC. All models are Certified to be in compliance with the applicable requirements of UL 1950, CSA 22.2 No. 60950 (L3M1), and EN 60950-1 for Pollution Degree 2 environment and Class I TN-S power systems. The outputs of the supplies meet the requirements for SELV and are not an energy hazard.

**GROUNDING:** The Earth (ground) terminal J1, pin 1, must be bonded to Protective Earth in the end application to preserve the intended safety. Using the Earth terminal on the supply for grounding the end product's protective earthing terminal is not recommended. A separate dedicated protective earthing point should be used.

**SPACINGS:** The required creepage and clearance distances from primary circuits to ground and secondary circuits must be maintained after installation to preserve the intended safety.

**TEMPERATURES:** The maximum operating temperatures of certain safety components, as defined in the applicable safety standards, must not be exceeded after installation to preserve the intended safety. The output power, ambient air temperature and the availability, amount, direction and/or restriction of airflow influence the temperatures of these components.

**WARNING! RISK OF FIRE!** A blown internal fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by SL Power Electronics Corp. authorized personnel. Fuse F1 must be replaced with T 3.5A 250V, 2AG, UL/CSA type.

**WARNING! SHOCK HAZARD!** Dangerous voltages are present on some components, and printed wiring traces.

### CONNECTIONS

J1 Pin	AC Input	J2 Pin	DC Output	J2 Pin	DC Output
1	Ground	1	+ Output	6	- Output
3	Neutral	2	+ Output	7	- Output
5	Line	3	+ Output	8	- Output
		4	+ Output	9	Power Fail
		5	- Output		

### MATING CONNECTORS

J1	Amp Housing 640250-5 Pin 770522-1
J2	Amp Housing 640250-9 Pin 770522-1

**CAUTION:** Do not exceed 5 A per contact.

### EXPLANATION OF SYMBOLS

	Alternating Current
	Direct Current
	Attention, Consult Accompanying Documents
	Attention, Dangerous Voltages
	Earth (Ground)

SL Power Electronics Corp. will not be liable for the safety, reliability or performance of these power supplies if a) any changes, modifications or repairs are carried out by other than authorized agents of SL Power Electronics Corp., or b) the installation of the supply is not in accordance with these installation instructions and the applicable UL, CSA, and EN/IEC safety standards.