SL Power Electronics, Corp.
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GPFC110 SERIES
INSTALLATION INSTRUCTIONS

MODEL NUMBERS: GPFC110-X-C G where X represents the output voltage which may be any number from 5 thru 48. Suffix –C indicates optional cover is provided. May be followed by an optional "G" which represents compliance with RoHS.

RATINGS:

Input: 100-240 V ac, 2.3 A, 50/60 Hz

Output:

Ratings for output voltages 5 thru 11	Ratings for output voltages 12 thru 48
75 W maximum, with a minimum of 100 LFM, with or without cover.	110 W maximum, with a minimum of 100 LFM, with or without cover.
55 W maximum, no airflow, without cover.	80 W maximum, no airflow, without cover.
45 W maximum, no airflow, with cover.	75 W maximum, no airflow, with cover.

Notes:
1. Maximum ambient temperature for rated output power is 50 °C.
2. Fan Output (J3): Obtained from output voltage through a series resistor. Use 5 V fan for 5 V output. Use 12 V fan for 12 and 15 V outputs. Use 24 V fan for 24 and 28 V outputs. Use 48 V fan for 48 V output.
3. Maximum Operating Relative Humidity 96 %, no condensation.
4. Storage: -40 to +85 °C. Units should be allowed to warm-up under non-condensing conditions before application of power.

CE **SAFETY DECLARATION:** Condor DC Power Supplies, Inc. 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 EN/IEC/UL 60950-1 1st Ed. and CAN/CSA 22.2 No. 60950-1-03. They are certified for Pollution Degree 2 environment and Class I TN-S power systems. All DC outputs are SELV under normal and single fault conditions.

TEMPERATURES: The maximum operating temperatures of components used in this supply must not be exceeded after installation. The orientation of the supply, output power, ambient temperature and the availability, amount, direction and/or restriction of natural airflow influences the temperatures of these components. Keeping the temperature of the core of T2 below 110 °C will usually be sufficient to meet all other temperature requirements.

GROUNDING: The Functional Earth (Ground) terminal J1-1 and/or chassis must be bonded to Protective Earth in the end application. Using J1-1 for the end product 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.

WARNING! RISK OF FIRE! A blown internal fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by Condor authorized personnel.

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

EXPLANATION OF SYMBOLS	
~	Alternating Current
⎓	Direct Current
⚠	Attention, Consult Accompanying Documents
⚠	Attention, Dangerous Voltages
⏚	Functional Earth (Ground)

CONNECTIONS

J1 Pin	AC Input	J2 Pin	DC Output	J3 Pin	Fan Output
1	Ground	1,2,3	+ Output	1	Fan Return
3	Neutral	4	+ Sense	2	+ Fan
5	Line	5	-Sense		
		6,7,8	Return		
		9	Power Fail		

MATING CONNECTORS

J1	Amp Housing 640250-5 Contact 770476-1
J2	Amp Housing 640250-9 Contact 770476-1
J3	Amp MTA-100 Receptacle

CAUTION: Do not exceed 5 A per pin on J2.

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, or EN/IEC safety standards.

41-34432-0001 Rev F 06/05/06