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**MODEL NUMBERS:** GPM40A, GPM40B, GPM40D, and GPM40-X, where X represents the output voltage, which may be any number from 3.3 through 28. Models may or may not be followed by suffix -XXX and/or G, where XXX may be any number from 001 thru 999. The -XXX suffix are used for value added configurations that have no impact on safety and suffix G indicates compliance to RoHS.

**RATINGS:**

Input: 100-240 V ac, 1.3 A, 50/60Hz

Outputs: 40 W max or see table for standard output voltage models.

Model	Watts <sup>1</sup>	Output #1	Output #2	Output #3
GPM40A	40	+5.1 V dc 4 A	+12 V dc 2 A	-12 V dc 0.4 A
GPM40B	40	+5.1 V dc 4 A	+15 V dc 2 A	-15 V dc 0.4 A
GPM40D	40	+5.1 V dc 4 A	+24 V dc 1 A	-12 V dc 0.4 A
GPM40-3.3	26.4	3.3 V dc 8 A	Notes: 1. Maximum continuous output power at 50 °C - Total of all Outputs. 2. Maximum 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.	
GPM40-5	40	5.0 V dc 8 A		
GPM40-9	40	9.0 V dc 4.4 A		
GPM40-12	40	12.0 V dc 3.4 A		
GPM40-15	40	15.0 V dc 2.7 A		
GPM40-24	40	24.0 V dc 1.7 A		
GPM40-28	40	28.0 V dc 1.5 A		

**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 UL 544, UL 2601-1, UL 60950-1, CSA 22.2 No. 601.1 (L3M1), and EN 60601-1.

**CLASSIFICATION:** (5.1) Protection against electric shock = Class I  
 (In accordance with sub- clause 5 of EN 60601-1) (5.2) Degree of protection against electric shock = Not acceptable for applied part without additional isolation (contact factory for details)  
 (5.3) Protection against harmful ingress of water = Ordinary (no protection)  
 (5.5) Have not been evaluated for use in the presence of a flammable anaesthetic mixture with air, oxygen, or nitrous oxide. This evaluation is to be made on the end equipment by the OEM.  
 (5.6) Mode of operation = Continuous

**GROUNDING:** The Protective Earth (ground) terminal must be bonded to Protective Earth in the host equipment. Using the Protective Earth terminal on the supply for grounding the host equipment is not recommended. A separate dedicated grounding point should be used.

**OUTPUTS:** All output commons should be connected to Protective Earth in the end application. The output(s) are intended for Protectively Earthed Signal Output and Intermediate Circuits only. The output(s) are not acceptable for patient connection without additional isolation. All DC outputs are SELV under normal and single fault conditions.

**OVERVOLTAGE PROTECTION:** Only output #1 is monitored for an overvoltage condition. The trip-point for a 5 volt output is 5.6 to 6.8 volts. In some applications where an overvoltage condition could result in a hazard as defined in applicable safety standards, redundant or additional overvoltage protection may be required. Consult factory for details.






**ISOLATION:** The components providing isolation from primary to secondary are 100 % tested at 4000 V ac. The creepage distance between primary and ground is 4 mm minimum; between primary and secondary circuits is 8 mm minimum. Secondary to ground creepage is not defined or controlled. The output common is bypassed to ground using a 0.01 µF 1 kV capacitor. 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.

**OVERCURRENT PROTECTION:** The internal fuse is located in the phase lead only. EN 60601-1 requires that both supply leads (phase and neutral) be protected against overcurrent. Complete overcurrent protection must be provided in the host equipment. Fuse ratings must not exceed that specified for the internal fuse, must meet the requirements of EN 60601-1 and be acceptable for the country in which the host equipment is to be installed.

**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. Refer to fuse marking on the supply for rating.

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

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

### CONNECTIONS

J1 AC Input	Multi-Output Models	Single Output Models	
	J2 DC Outputs	J2 DC Output	J3
1) Line	1) Output 2 (+)	1) Output 1 (+)	1) + Sense
3) Neutral	2) Output 1 (+)	2) Output 1 (+)	2) Com Sense
	3) Output 1 (+)	3) Output 1 (+)	
	4) Common	4) Common	
	5) Common	5) Common	
	6) Output 3 (-)	6) Common	

**CAUTION:**

Do not exceed 5 A per contact on J2.

Mating Connectors: Amp P/N 640250-3    Amp P/N 640250-6    Amp P/N 640250-6    Amp MTA100 Series  
 Contacts: Amp P/N 770476-1    Amp P/N 770476-1    Amp P/N 770476-1

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/or IEC safety standards.