



SL Power Electronics, Corp.  
6050 King Dr. Unit A  
Ventura, CA 93003 + 805-486-4565  
Internet: www.condorpower.com

# GSM11 SERIES INSTALLATION INSTRUCTIONS

**MODEL NUMBERS:** GSM11-XYZ-XXXG, where X represents the output voltage which may be any number from 3.3 thru 28; Y indicates the type of input connector used which may be the letters A, B, P or T; Z indicates the type of output connector used which may be the letters A thru Z; Models may or may not be followed by -XXX, 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 G indicates compliance to RoHS.

**RATINGS:**

Input: 100-240 V ac, 0.3 A, 50/60 Hz  
Output: 2.2 A or 11 W maximum or see table for standard output voltage models.

MODEL	OUTPUT
GSM11-3	3.3 V dc 2.2 A
GSM11-5	5.1 V dc 2.2 A
GSM11-12	12 V dc 0.92 A
GSM11-15	15 V dc 0.74 A
GSM11-24	24 V dc 0.46 A
GSM11-28	28 V dc 0.0.4 A

Notes:

- Maximum Operating Ambient Temperature 50 °C, convection cooled.
- Maximum Operating Relative Humidity 96 %, no condensation.
- Storage: -40 to +85 °C. Units should be allowed to warm-up under non-condensing conditions before application of power.
- On GSM11-3(Y)A and GSM11.5(Y)A, a 24Ga or larger wire is required on the end product in order to meet current restrictions on the connector.

**CERTIFICATION:** All models are Certified to be in compliance with the applicable requirements of UL 60601-1, CSA 22.2 No. 601.1, EN 60601-1, IEC 60601-1, UL 60950-1, CSA 60950-1 (L3M1), and EN 60950-1.

**CLASSIFICATION:** (5.1) Protection against electric shock = Class II  
(In accordance with sub-clause 5 of IEC 60601-1) (5.2) Degree of protection against electric shock = Signal output or intermediate (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



**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.

**OUTPUT:** The output is not acceptable for direct patient connection without additional isolation. The DC output is SELV under normal and single fault conditions.

**OVERVOLTAGE PROTECTION:** The output is monitored for an overvoltage condition. 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 creepage distance between primary and secondary circuits is 8 mm minimum. The required creepage and clearance distances from primary to 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:** There is only one internal fuse, located in the AC Line side, rated T 1A/250V.

**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.

**CONNECTIONS**

J1 Pin	AC Input
1	Line
3	Neutral

J3 Pin	J3 Pin	DC Output
	1	Output (+)
1	2	Output (+)
2	3	Return
	4	Return

**MOUNTING & MATING INFORMATION**

Refer to Condor Web site: [www.condorpower.com](http://www.condorpower.com)

EXPLANATION OF SYMBOLS	
	Alternating Current
	Direct Current
	Attention, Consult Accompanying Documents
	Attention, Dangerous Voltages
	Class II Equipment

Condor DC Power Supplies Inc. 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 Condor DC Power Supplies Inc., or b) the installation of the supply is not in accordance with these installation instructions and the applicable UL, CSA, EN, and IEC safety standards.