

COVER PAGE FOR TEST REPORT

| Product Category: | Power Supplies for Information Technology Equipment Including Electrical Business Equipment | | | | | | | | | | | | | | | | |
|---|--|-------|--------|---------|----------------|---------|----------------|---------|---------------|----------|---------------|----------|---------------|----------|----------------|----------|----------------|
| Product Category CCN: | QQGQ2, QQGQ8 | | | | | | | | | | | | | | | | |
| Test Procedure: | Component Recognition | | | | | | | | | | | | | | | | |
| Product: | Power Supply | | | | | | | | | | | | | | | | |
| Model/Type Reference: | 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 (RoHS compliance has not been evaluated by UL.) | | | | | | | | | | | | | | | | |
| Rating(s): | 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. <table><thead><tr><th>MODEL</th><th>OUTPUT</th></tr></thead><tbody><tr><td>GSM11-3</td><td>3.3 V dc 2.2 A</td></tr><tr><td>GSM11-5</td><td>5.1 V dc 2.2 A</td></tr><tr><td>GSM11-9</td><td>9 V dc 1.22 A</td></tr><tr><td>GSM11-12</td><td>12 V dc 0.92A</td></tr><tr><td>GSM11-15</td><td>15 V dc 0.74A</td></tr><tr><td>GSM11-24</td><td>24 V dc 0.46 A</td></tr><tr><td>GSM11-28</td><td>28 V dc 0.0.4A</td></tr></tbody></table> | MODEL | OUTPUT | GSM11-3 | 3.3 V dc 2.2 A | GSM11-5 | 5.1 V dc 2.2 A | GSM11-9 | 9 V dc 1.22 A | GSM11-12 | 12 V dc 0.92A | GSM11-15 | 15 V dc 0.74A | GSM11-24 | 24 V dc 0.46 A | GSM11-28 | 28 V dc 0.0.4A |
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| GSM11-28 | 28 V dc 0.0.4A | | | | | | | | | | | | | | | | |
| Standards: | UL 60950-1:2003, First Edition CSA C22.2 No. 60950-1-03 1st Ed. April 1, 2003 | | | | | | | | | | | | | | | | |
| Applicant Name and Address: | CONDOR D C POWER SUPPLIES INC 2311 STATHAM PKY OXNARD CA 93033 | | | | | | | | | | | | | | | | |
| This Report includes the following parts, in addition to this cover page: <ol style="list-style-type: none">1. Specific Technical Criteria2. Enclosures | | | | | | | | | | | | | | | | | |

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of Underwriters Laboratories Inc. ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

UL authorizes the applicant to reproduce the latest pages of the referenced Test Report consisting of the first page of the Specific Technical Criteria through to the end of the Conditions of Acceptability.

Test Report By:



Ahmad Daoudi
Engineering Project Handler
Underwriters Laboratories Inc.

Reviewed By:



Beatrice Undorte
Senior Staff Engineer
Underwriters Laboratories Inc.

SPECIFIC TECHNICAL CRITERIA

| UL 60950-1, First Edition Information technology equipment - Safety- Part 1: General Requirements | | | | | | | | | | | | | | | | | |
|--|---|-------|--------|---------|----------------|---------|----------------|---------|---------------|----------|---------------|----------|---------------|----------|----------------|----------|----------------|
| Report Reference No | E135803-A19-UL-1 | | | | | | | | | | | | | | | | |
| Compiled by | Ahmad Daoudi | | | | | | | | | | | | | | | | |
| Reviewed by | Beatrice Undorte | | | | | | | | | | | | | | | | |
| Date of issue | 2005-12-05 | | | | | | | | | | | | | | | | |
| Standards | UL 60950-1:2003, First Edition CSA C22.2 No. 60950-1-03 1st Ed. April 1, 2003 | | | | | | | | | | | | | | | | |
| Test procedure | Component Recognition | | | | | | | | | | | | | | | | |
| Non-standard test method | N/A | | | | | | | | | | | | | | | | |
| Test item description | Power Supply | | | | | | | | | | | | | | | | |
| Trademark | CONDOR | | | | | | | | | | | | | | | | |
| Model and/or type reference | 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 (RoHS compliance has not been evaluated by UL.) | | | | | | | | | | | | | | | | |
| Rating(s) | 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. <table style="margin-left: auto; margin-right: auto;"><thead><tr><th>MODEL</th><th>OUTPUT</th></tr></thead><tbody><tr><td>GSM11-3</td><td>3.3 V dc 2.2 A</td></tr><tr><td>GSM11-5</td><td>5.1 V dc 2.2 A</td></tr><tr><td>GSM11-9</td><td>9 V dc 1.22 A</td></tr><tr><td>GSM11-12</td><td>12 V dc 0.92A</td></tr><tr><td>GSM11-15</td><td>15 V dc 0.74A</td></tr><tr><td>GSM11-24</td><td>24 V dc 0.46 A</td></tr><tr><td>GSM11-28</td><td>28 V dc 0.0.4A</td></tr></tbody></table> | MODEL | OUTPUT | GSM11-3 | 3.3 V dc 2.2 A | GSM11-5 | 5.1 V dc 2.2 A | GSM11-9 | 9 V dc 1.22 A | GSM11-12 | 12 V dc 0.92A | GSM11-15 | 15 V dc 0.74A | GSM11-24 | 24 V dc 0.46 A | GSM11-28 | 28 V dc 0.0.4A |
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Particulars: test item vs. test requirements

Equipment mobility: for building-in
Operating condition: continuous
Mains supply tolerance (%): +6%, -10%
Tested for IT power systems: No
IT testing, phase-phase voltage (V): Single
Class of equipment: Class II (double insulated)
Mass of equipment (kg): 0.045
Protection against ingress of water: IP X0

Possible test case verdicts:

- test case does not apply to the test object: N / A
- test object does meet the requirement: Pass
- test object does not meet the requirement: Fail (acceptable only if a corresponding, less stringent national requirement is "Pass")

General remarks:

- "(see Enclosure #)" refers to additional information appended to the Test Report
- "(see appended table)" refers to a table appended to the Test Report
- Throughout the Test Report a point is used as the decimal separator

| GENERAL PRODUCT INFORMATION: | |
|-------------------------------------|--|
| CA1.0 | Report Summary |
| CA1.1 | N/A |
| CB1.0 | Product Description |
| CB1.1 | GSM11-XYZG Series power supplies are switching type power supplies where enclosures are not provided. Maximum wattage output of these power supplies are depended on ambient temperature and type of cooling. See Installation Instructions in the Manual Enclosure. |
| CC1.0 | Model Differences |
| CC1.1 | The GSM11-XYZG Series are Class II power supplies and differ only in secondary circuits for the different outputs. |
| CD1.0 | Additional Information |
| CD1.1 | The schematics for these models are kept in file at the CB Testing Laboratory mentioned in the first page of this test report, and can be provided by the applicant upon request by CBTLs. |
| CE1.0 | Technical Considerations |
| CE1.2 | The product was submitted and tested for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 50°C |
| CE1.4 | The product is intended for use on the following power systems: TN |
| CE1.7 | The product was investigated to the following additional standards: EN 60950-1:2001 (which includes all European national differences, including those specified in this test report). |
| CE1.14 | The following are available from the Applicant upon request: Specific data sheets for LEDs that are used for indicating purposes and assumed to be inherently Class 1 operating in the 400 - 700 nm wavelength range. |
| CF1.0 | Engineering Conditions of Acceptability |
| CF1.1 | For use only in or with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc. When installed in an end-product, consideration must be given to the following: |
| CF1.5 | The following secondary output circuits are SELV: All |
| CF1.7 | The following secondary output circuits are at non-hazardous energy levels: All |
| CF1.12 | The maximum investigated branch circuit rating is: 20 A |
| CF1.13 | The investigated Pollution Degree is: 2 |
| CF1.23 | The equipment is suitable for direct connection to: AC mains supply |
| CF2.0 | This component has been iudaed on the basis of the reauired spacinas in the First Edition of the |

| | |
|-------|--|
| | Standards for Information Technology Equipment - Safety-, Part 1: General Requirements, UL 60950-1 and CSA C22.2 No. 60950-1, which covers the end use product for which the component is designed., |
| CF2.1 | The component shall be installed in compliance with the enclosure, mounting, spacing, casualty markings and segregation requirements of the end- use application., |
| CF2.2 | Consideration should be given to measuring the temperature on power electronic components and transformer windings when the power supply is installed in the end-use equipment., |
| CF2.3 | The input/output connectors are not acceptable for field connections, they are only intended for connection to mating connectors of internal wiring inside the end-use machine. |
| CF2.4 | The component is Class II and should not be bonded to ground in the end-use equipment., |
| CF2.5 | The temperature test was performed in a raised ambient of 50°C., |
| CF2.6 | The Main Power Transformer (T2), comply with Class F (155°C) limits., |
| CF2.7 | The power supply was evaluated as reinforced insulation between primary and secondary., |
| CF2.8 | This power supply has been evaluated as Class II, continuous operation, ordinary equipment. |
| CF2.9 | This power supply was tested with only one internal fuse, rated T1A, 250V. |

Demko Certificate

Product: Power Supply
Manufacturer: Condor D.C. Power Supplies Inc
2311 Statham Pky, Oxnard, CA 93033, USA
Production site: See appendix
Certified by request of: Condor D.C. Power Supplies Inc
2311 Statham Pky, Oxnard, CA 93033, USA
Trademark: CONDOR
Model/Type ref.: GSM11-XYZ-XXXG, See appendix
Rated current or power: 0.3 A
Rated voltage: 100-240 Vac, 50/60 Hz
Insulation Class: Class II
Degree of protection: IP X0
Additional information: See appendix

A sample of the product has been tested and found in conformity with EN 60950-1:2001, as shown in the Test Report with ref. No. E135803-A19-IT-1 and E135803-A19-IT-2 issue date 2006-04-03.

Furthermore, the product complies with the national deviations in Denmark.

Date of expiry: 2016-01-04

UL International Demko A/S is a body notified to the Member States and Commission of the European Communities according to the provisions of Article 8 of the Low Voltage Directive.

The Manufacturer complies with the Production Surveillance Requirements. Products included in this certificate are allowed to carry the registered approval marks of UL International Demko A/S, or for cables <DEMKO>. The name of UL International Demko A/S can be used in the marketing of the products. This Statement is only valid for products, which are identical to the tested product, and manufactured at the above-mentioned production site(s). UL International Demko A/S has to be informed in writing about any changes, in accordance with the "UL International Demko A/S Standard Terms and Conditions" for UL International Demko A/S services. The validity of this certificate is shortened if the EU legislation requires re-testing and re-certification, due to new standards or amendments coming into force, before the expiry date.

Herlev, 2006-04-18


Karina Christiansen
Certification Manager

UL International Demko A/S

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Appendix to Demko Certificate No. 140419-02

Output: 2.2 A or 11 W maximum or see table for standard output voltage models.

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 (RoHS compliance has not been evaluated by UL.)

MODEL OUTPUT

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Production Site:

Shanghai GES Information Technoloty Co. Ltd.
No. 668 Li Shi Zhen Rd.
Shanghai Zhangjiang Hi-Tech Park
China

Industrias S.L.S.A. de C.V.
Costa Rica #60, Col Cuahutemoc
Mexicali, Baja California N
Mexico

Amc Electronics Mfy
Yang Tian Rd
Long Gang District
Shenzhen Guangdong China

This certificate replaces the certificate No. 140419-01/A1, dated 2006-01-24

UL International Demko A/S has issued a new certificate as due to add of factory and change of model description.

Herlev, 2006-04-18


Karina Christiansen
Certification Manager

UL International Demko A/S

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