

DESCRIPTION

PRODUCT COVERED:

USR/ CNR, Component Power Supplies, Models PF500-360 and PF500A-360 for use in information technology equipment including electrical business equipment. May be followed by suffixes indicated below.

RATINGS:

Electrical -

* Model	Input			Output	
	V ac	Hz	A	V dc	A
PF500-360,	100-240		7	360	1.4
* PF500A-360	/ 200- 240	50/60	5	360	2.1

GENERAL:

Model Differences - Model PF500A-360 is the same as the basic Model PF500-360, and is provided for marketing purposes.

All Models may be followed by suffix /PI, which indicates that the corner studs are non-threaded. In standard models, the corner studs are threaded.

All Models may be followed by suffix /T, which indicates that the corner studs are non-threaded and differ from the standard models in inside diameter size by 0.1 mm.

All Models may be followed by suffix /EM, which indicates that the addition of a reset function.

All Models may be followed by suffix /SIM, which indicates non safety changes.

All Models may be followed by suffix /SOA, which indicates component changes in the enable circuit.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

* **USR/ CNR indicates investigation to UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements) and CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements).**

USR/ CNR indicates investigation to UL 62368-1, 2nd Edition, 2014-12-01 (Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements) and CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12-01 (Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements).

Use - For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - When installed in the end use equipment, the following are among the considerations to be made.

- *1. The equipment has been judged on the basis of the required creepage and clearances in the UL 60950-1, 2nd Edition, **2014-10-14** (Information Technology Equipment - Safety - Part 1: General Requirements), CSA C22.2 No. 60950-1-07, 2nd Edition, **2014-10** (Information Technology Equipment - Safety - Part 1: General Requirements), Clause 2.10, and **UL 62368-1, 2nd Edition, 2014-12-01 (Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements), CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12-01 (Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements), Clause 5.4**, which would cover the end use product for which the component was designed.
- *2. The equipment was evaluated with a TN-S power source as defined by UL 60950-1, 2nd Edition, **2014-10-14** (Information Technology Equipment - Safety - Part 1: General Requirements) and CSA C22.2 No. 60950-1-07, 2nd Edition, **2014-10** (Information Technology Equipment - Safety - Part 1: General Requirements).

3. The equipment supply shall be installed in compliance with the enclosure, mounting creepage, casualty, markings and segregation requirements of the end use application.
4. The need for conducting a leakage current test is to be determined as part of the end product evaluation.
5. The equipment has been evaluated for use in a pollution Degree 2 environment.
6. The input and output connectors are not acceptable for field connections and are only intended for connection to mating connectors of internal wiring inside the end use machine. The acceptability of these and the mating connectors relative to secureness, insulating materials, and temperature shall be considered.
7. This power supply shall be properly bonded to earth ground in the end use product as this unit was investigated for Class I construction.
8. All tests were performed with an external Listed primary fuse rated 10 A or RIC Fuji Electric, Type CR2LS-5/UL, 400 V dc, 10 A. Interchangeability to a different rating or to a Recognized fuse should be considered in the end product.
9. Temperature tests were performed with the unit mounted horizontally to an aluminum heat sink, 86 by 83 by 25 mm with nine integral 1.6 mm thick fins. During the temperature test the baseplate was maintained at 85°C. If in the end product application the baseplate exceeds 85°C the temperature test should be repeated with temperatures of power electronics and PWB monitored to insure they do not exceed their temperature ratings.