

DESCRIPTION

PRODUCT COVERED:

USR, CNR: Component - Switching Power Supply, Models KLS30F-XX and TOF30-XXS, where "XX" may be 05, 12, 15, or 24.

ELECTRICAL RATINGS:

Model	Input			Output, DC	
	V	A	Hz	V	A
KLS30F-05, TOF30-05S	100-230	0.64-0.33	50-60	5.0	6.0
KLS30F-12, TOF30-12S	100-230	0.64-0.33	50-60	12.0	2.5
KLS30F-15, TOF30-15S	100-230	0.64-0.33	50-60	15.0	2.0
KLS30F-24, TOF30-24S	100-230	0.64-0.33	50-60	24.0	1.3

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

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

Special Considerations - The following items are considerations that were used when evaluating this product.

USR/CNR indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, including Electrical Business Equipment, CAN/CSA C22.2, No. 950-95 * UL 1950, Third Edition, including revisions through revision date March 1, 1998, which are based on the Fourth Amendment to IEC 60950, Second Edition.

The component was submitted and tested for a maximum manufacturer's recommended ambient (Tara) of 25°C.

The equipment is for building in, Class I (earthed) intended for use on a TN power system.

Limited Power Sources: The following circuits have been evaluated as a limited power source:

<u>Location</u>	<u>Circuit (Schematic) Designation</u>
Output	+ to -

Conditions of Acceptability - When installed in the end-product, consideration shall be given to the following:

1. This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, CAN/CSA C22.2, No. 950-95 * UL 1950, Third Edition, including revisions through revision date March 1, 1998, which are based on the Fourth Amendment to IEC 950, Second Edition, Sub-Clause 2.9, which would cover the component itself if submitted for Listing.
2. The products were tested on a 20 A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.
3. All secondary output circuits are SELV and are not hazardous energy levels.
4. The maximum working voltage present is 263 V rms, 468 V pk. The Electric Strength Tests in the end-product shall be based on this value.
5. The equipment has been evaluated for use in a Pollution Degree 2, environment.
6. A suitable electrical and fire enclosure shall be provided.
7. The following components should be given special consideration during end-use Heating Tests because of temperature achieved during component level testing:

<u>Component</u>	<u>Maximum Temperature Achieved</u>
Inductor (L1) coil	87.5°C (25°C ambient)

8. The power supply shall be properly bonded to the main protective earthing termination in the end product.
9. A Capacitance Discharge and Leakage Current test shall be performed on the end product.