DESCRIPTION

PRODUCT COVER:

USR, CNR: Power supply, Model DLP75-24-1, DLP100-24-1, DLP120-24-1, DLP180-24-1, DLP240-24-1, CY307-24, CY310-24, CY312-24, CY318-24, CY324-24. Maybe be followed by suffix E, /E, EJ,/CO,/ECO,/EJCO. DLP75-24-1 may be followed by suffix **/C2**. **DLP100-24-1 may be followed by suffix /C2 or /C2A**.

RATINGS:

Electrical Ratings:

Model	Input, ac/dc			Output, ac/dc	
	V	Hz	A	V	A
DLP75-24-1, CY307-24	100-120	50/60	1.9	24	3.1
	200-240	50/60	1.1		
DLP75-24-1/C2	100-120	50/60	1.9	24	2.5
	200-240	50/60	1.1		
DLP100-24-1, CY310-24	100-120	50/60	2.5	24	4.1
	200-240	50/60	1.4		
DLP100-24-1/C2	100-120	50/60	2.5	24	3.7
	200-240	50/60	1.4		
DLP100-24-1/C2A	**200-240**	**50/60**	**1.4**	**24**	**3.7**
DLP120-24-1, CY312-24	100-120	50/60	3.2	24	5
	200-240	50/60	1.6		
DLP180-24-1, CY318-24	100-240	50/60	2.7	24	7.5
DLP240-24-1, CY324-24	100-240	50/60	3.5	24	10

Temperature Rating - (specification refer to instruction manual)

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ENGINEERING CONSIDERATIONS (NOT FOR UL 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, CSA C22.2 No. 60950-1-07, 2nd Edition, **2014-10**, UL 60950-1, 2nd Edition, **2019-05-09**.

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

Note: DLP75-24-1/C2, DLP100-24-1/C2 and DLP100-24-1/C2A have been evaluated to NEC NFPA70 Class 2 output per UL1310.

Temperature tests were conducted with the unit delivering various output current at various temperature rating according the instruction manual. All temperatures were within the maximum allowable limits. The need to monitor temperatures of all coils and components during the end product testing shall be determined.

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

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

*1. The component has been judged on the basis of the required creepage and clearances in the Standard for Information Technology Equipment, CSA C22.2 No. 60950-1-07, 2nd Edition, **2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements)**, UL 60950-1, 2nd Edition, **2019-05-09 (Information Technology Equipment - Safety - Part 1: General Requirements), UL 62368-1, 2nd Edition, dated 2014-12-01 (Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements), and CSA C22.2 No. 62368-1-14, 2nd Edition, dated 2014-12-01 (Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements), which would cover the end use product for which the component was designed.**

2. All secondary output circuits are SELV**/ES1**. The output is considered to be at energy hazard**/PS2**.

3. The power supply shall be properly bonded to the main protective earthing termination in the end product.

4. The equipment has been evaluated for use in a pollution Degree 2 environment.

5. A temperature test shall be conducted in the end product. Consideration shall be given to measuring the temperature on power electronic components, inductors and transformer windings when the power supply is installed in the end use equipment. All transformers employ a Class F electrical insulation system.

6. Consideration shall be given to the accessibility of hazardous primary circuits in the end use product.

7. The input and output connections 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.

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8. The Protective Earthing Trace Earth Fault Current Test has been performed on the power supplies.

9. The maximum working voltage primary to secondary present is 575 Vpk. The Electric Strength Test in end product shall be based on this value.

10. Humidity conditioning has been conducted by tropical condition.

11. The following input terminals/connectors must be connected to the end-product supply neutral : TB1 AC(N)

12. The following magnetic devices (e.g. transformers or inductor) are provided with an OBJY2 insulation system with the indicated rating greater than Class A (105°C) : Transformer (T1) (Class 155(F))

13. Earth terminal provided on Terminal Block (TB1) has not been evaluated as protective earthing terminal. This component is intended to be connected to a protective earth via earthed parts of end-product.

14. Classification of PIS has not been conducted. Therefore, all electrical components and conductors including printed wirings were assumed to be arcing/resistive PIS.

15. This component has been evaluated in ‘control of fire spread’ method assuming appropriate fire enclosure is provided in end product. Unless the fire enclosure is made of non-combustible or V-0 material, the separation from the PIS shall be considered.