DESCRIPTION

PRODUCT COVERED:

*USR, CNR - Power supplies, Models JWT75-522, -5FF, –525, JWT75-525/MK and JWT75-525/MK2. May be provided with Suffix "/A", "/R", "/RA", "/B", "/C", "RB" and "/RC".

RATINGS:

	Input			Output (+)	
Model	V ac	Hz	A	V dc	A (max)
JWT75-522	100-240	50/60	1.4	+5	8.0
				+12	4.0
				-12	0.5
JWT75-5FF	100-240	50/60	1.4	+5	8.0
				+15	3.2
				-15	0.5
JWT75-525, JWT75-525/MK JWT75-525/MK2	100-240	50/60	1.4	+5	8.0
				+12	4.0
				-5	0.5

(+) - Maximum total allowable output power: 75 W.

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

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

* USR, CNR indicates investigation to the U.S. Standard for Safety of Information Technology Equipment Including Electrical Business Equipment, UL 60950-1, 2nd Edition, 2019-05-09 (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, 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).

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

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

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

1. This component has been judged on the basis of the required spacings in the Standard for Information Technology Equipment, Including Electrical Business Equipment, UL 60950-1, 2nd Edition, 2019-05-09 (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), 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 and are hazardous/PS3 energy levels.

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

4. The maximum working voltage primary to secondary present is 784 Vpk. The Electric Strength Test in end product shall be based on this value.

5. The equipment has been evaluated for use in a Pollution Degree 2 environment.

6. The terminals are suitable for factory wiring only.

7. Capacitor C8 did not meet the clearance distance between the body Casing and Chassis performed Dielectric Withstand Test of 2100 Vac between the body of C8 and leads. If the potential is higher than 740 Vpk between casing and body of C8, then a Dielectric Withstand Test shall be considered.

8. The power supply is considered for use in maximum ambient temperature as follows:

Maximum Ambient, °C	Mounting	Cover	Load Factor
50	Normal	Not provided	100% (75 W)
40	Normal	Provided	100% (75 W)
65	Normal	Not provided	50% (37.5 W)
50	Normal	Provided	60% (45 W)
45	Horizontal	Not provided	100% (75 W)
30	Horizontal	Provided	100% (75 W)
60	Horizontal	Not provided	50% (37.5 W)
40	Horizontal	Provided	60% (45 W)
40	Vertical with terminal block upper side	Not provided	100% (75 W)
30	Vertical with terminal block upper side	Provided	100% (75 W)
55	Vertical with terminal block upper side	Not provided	50% (37.5 W)
40	Vertical with terminal block upper side	Provided	60% (45 W)
35	Vertical with terminal block lower side	Not provided	100% (75 W)
30	Vertical with terminal block lower side	Provided	100% (75 W)
50	Vertical with terminal block lower side	Not provided	50% (37.5 W)
40	Vertical with terminal block lower side	Provided	60% (45 W)

9. The following end-product enclosures are required: Fire and Electrical

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. X-Capacitor C1 may have variation in capacitance up to 0.33uF. X-Capacitor C4 may have variation in capacitance up to 0.47uF. Therefore, consideration shall be given in controlling the capacitance value in the end-product application with respect to capacitance discharge issue.

14. Y-Capacitors C2 and C3 may have variations in capacitance up to 2200pF. Y-Capacitor, C8 may have variation in capacitance up to 2200pF. Therefore, consideration shall be given in controlling the capacitance values in end product application with respect to touch current issue.

15. 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.

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

17. 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.

18. Coating for Printed Wiring Board is used for functional performance purposes only.