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Project 03ME08148

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REPORT

on

COMPONENT - POWER SUPPLIES FOR USE WITH
INFORMATION TECHNOLOGY EQUIPMENT, INCLUDING ELECTRICAL
BUSINESS EQUIPMENT

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Tokyo, Japan

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - Power Supply Model SWS50-5, -12, -24; SWS75-5, -12, -24; SWS100-5, -12, -24; SWS150-5, -12, -24, -24/T1 with or without suffix /CO2.

ELECTRICAL RATINGS:

Model	Input			Output	
	V ac	Hz	A	V dc	A (+)
SWS50-3	100-240	50/60	1.0	3.3	10
SWS50-5	100-240	50/60	1.5	5	10
SWS50-12	100-240	50/60	1.5	12	4.3
SWS50-15	100-240	50/60	1.5	15	3.5
SWS50-24	100-240	50/60	1.5	24	2.1
SWS75-3	100-240	50/60	1.5	3.3	15
SWS75-5	100-240	50/60	1.9	5	15
SWS75-12	100-240	50/60	1.9	12	6.3
SWS75-15	100-240	50/60	1.9	15	5.0
SWS75-24	100-240	50/60	1.9	24	3.2
SWS100-3	100-240	50/60	1.2	3.3	20
SWS100-5	100-240	50/60	1.5	5	20
SWS100-12	100-240	50/60	1.5	12	8.5
SWS100-15	100-240	50/60	1.5	15	6.7
SWS100-24	100-240	50/60	1.5	24	4.3
SWS150-3	100-240	50/60	1.7	3.3	30
SWS150-5	100-240	50/60	2.1	5	30
SWS150-12	100-240	50/60	2.1	12	12.5
SWS150-15	100-240	50/60	2.1	15	10
SWS150-15/96	100-240	50/60	2.1	9.6	10
SWS150-24, -24/T1	100-240	50/60	2.1	24	6.3

Temperature Rating:(specification refer to instruction manual):

MODEL DIFFERENCES:

Model SWS50(75, 100, 150)-3 SWS50(75, 100, 150)-5, and SWS50(75, 100, 150)-12 SWS50(75, 100, 150)-15 and SWS50(75, 100, 150)-24 are identical except for model designations and electrical ratings. All models are available with various output loads based on maximum operating ambient. Model SWS150-24/T1 is identical to Model SWS150-24 Terminal block and minor changes. See Fig.2

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

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

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

- A. 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, UL 60950 3rd. edition.
- B. Temperature tests were conducted with the unit delivering various output current at various temperature rating according to 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.
- C. The power supplies are intended for building in, and are intended for use on a TN power system.
- D. **Outputs are SELV and non-hazardous energy.**
- E. **A suitable electrical and fire enclosure shall be provided in the end product.**
- F. **Suitable for use in a pollution degree 2 environment.**
- G. **The input and output connectors (pins) are suitable for factory wiring only.**