

File E62388
Project 4786157142

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REPORT

on

COMPONENT - ELECTROMAGNETIC INTERFERENCE FILTERS

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PRODUCT COVERED:

*USR - Component - Appliance Electromagnetic Interference Filters, Models **RSEL-2001M** and **RSEL-2003M**.

ELECTRICAL RATINGS:

<u>Model</u>	<u>Voltage Rating</u> (Vac)	<u>Current Rating</u> (A)	<u>Frequency</u> (Hz)	<u>Phase</u>	<u>Maximum Ambient Temp</u> (°C)
* RSEL-2001M	250	1	50/60	1	55
* RSEL-2003M	250	3	50/60	1	55

GENERAL:

These devices are Electromagnetic Interference (EMI) Filters intended for incorporation in appliances or similar equipment. These devices incorporate terminals intended for factory wiring only.

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

USR indicates evaluation to the United States Standard for Electromagnetic Interference Filters, UL 1283, Fifth Edition.

CONDITIONS OF ACCEPTABILITY:

Use - The components covered by this Report are Component Appliance Electromagnetic Interference Filters intended to be used in the end-use product where the acceptability of the combination with the end-use product has been determined by Underwriters Laboratories Inc.

The following items should be considered to determine acceptability when evaluating the end-use product.

1. Electrical spacings between uninsulated live metal parts and uninsulated dead metal parts should be in accordance with the end-use application.
2. The terminals has have not been evaluated as field wiring terminals. The acceptability of the grounding terminal shall be determined in the end-use application.
3. The components were submitted and tested with a maximum manufacturer's recommended ambient of 50°C as indicated by the Maximum Ambient Temperature Rating of the devices documented in the Electrical Ratings Table. The need for additional testing if these devices are used above this rating shall be considered in the end-use application.

CONDITIONS OF ACCEPTABILITY (cont'd):

4. The filter shall be installed in compliance with the mounting, terminal, spacing and segregation requirements of the end use application.
5. The filter should be provided with an overall enclosure suitable for the applicable end product requirements.
6. Case temperature should be monitored in the end product for suitability to end-use applications.
7. Appliance filters inherently have considerable leakage current to the grounding conductor. The leakage current is to be measured in the end product to determine compliance with the end use requirements.
8. The suitability of the grounding means in conjunction with the filter shall be evaluated in the end-use application.