

File E62388
Project 10SC05166

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REPORT

ON

COMPONENT - ELECTROMAGNETIC INTERFERENCE FILTERS

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DESCRIPTION

PRODUCT COVERED:

USR - Component - Electromagnetic Interference Appliance Filters, Model RTEN-5200.

ELECTRICAL RATINGS:

Model No.	Voltage (V ac)	Current (A)	Frequency (Hz)	Phase	Maximum Ambient Temperature (°C)
RTEN-5200	500	200	50/60	3	50

GENERAL:

These devices are electromagnetic interference (EMI) filters intended for incorporation in appliances or similar equipment. They incorporate terminals intended for factory wiring only.

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

USR indicates investigation to the requirements in the Standard for Electromagnetic Interference Filters, UL 1283, Fifth Edition.

The components covered by this Report are intended to be used only in complete equipment where the acceptability of the combination is determined by UL LLC (UL).

Conditions of Acceptability - The following are among the features which should be judged during the investigation of the equipment in which this filter is used:

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 have not been evaluated as field wiring terminals.
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. This filter has been judged based on the required spacings in the Standard for Electromagnetic Interference Filters, UL 1283, Fifth Edition.
5. The filter should be provided with an overall enclosure suitable for the applicable end product requirements.
6. The filter shall be installed in compliance with the mounting, terminal, spacing and segregation requirements of the end use application.
7. Appliance filters inherently have considerable leakage currents 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.
9. The Abnormal Operation Test has been performed on filter Model RTEN-5200 and it is capable of withstanding limited short-circuit conditions up to 5000 A. This test was conducted fused at 250 A. Evaluation for Abnormal Operation test currents higher than 5000 A, or fused higher than 250 A, shall be determined in the end-use product in which these filters are installed.