

DESCRIPTION

PRODUCT COVERED:

USR, CNR - Component, Appliance Filters, Models FMAC-0A24-0813, FMAC-0A40-2513, FMAC-0A38-3213.

GENERAL:

These devices are EMI filters intended for incorporation in appliances. They are housed in a metal housing and incorporate with terminals for factory wiring.

ELECTRICAL RATINGS:

MODEL NO.	VOLTS (Vac)	CURRENT (A)	PHASES	FREQUENCY (Hz)	POWER (VA)	COLD-MAXIMUM AMBIENT TEMPERATURE (°C)
FMAC-0A24-0813	550	8	3	50/60	4400	0 - 40
FMAC-0A40-2513	550	25	3	50/60	13750	0 - 40
FMAC-0A38-3213	550	32	3	50/60	17600	0 - 40

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

USR indicates the filters have been evaluated to the Standard for Electromagnetic Interference Filters, UL 1283, Sixth Edition.

CNR indicates investigation to the requirements of the Canadian Standard for Electromagnetic Interference (EMI) Filters, CSA C22.2 No. 8-13, Fifth Edition.

CONDITIONS OF ACCEPTABILITY:

General - The components covered by this Report are Component Appliance 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 UL LLC.

The following items should be considered in the end use product engineering evaluation.

1. The filter shall be installed within an overall enclosure suitable for the end product application.
2. The filter shall be installed in compliance with the mounting, terminal, spacing and segregation of the end application.
3. Leakage current measurements were conducted for reference only and did not exceed 0.5 mA. The leakage current in the end application shall be considered.
4. Capacitor Discharge voltage measurements have been not performed. The need to determine capacitor discharge voltages in the end application shall be considered.
5. Spacings between terminals and dead metal parts should comply with the end product requirements.
6. The terminals have not been evaluated for field wiring. The acceptability of the grounding terminal should be determined in the end-product.
7. The filters have been evaluated for use in 550V ac WYE systems where the phase-to-ground voltage does not exceed 317 V, and L-L voltage does not exceed 550 V.
8. The components were submitted and evaluated at a maximum manufacturer's recommended ambient as indicated 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.

9. The Abnormal Operation/Limited Short Circuit Test (UL 1283, Cl. 32; CSA C22.2 No. 8, Cl. 6.14) was performed on the following models using a short circuit current and fuse rating as indicated below. The devices are suitable for use on a circuit capable of delivering not more than the specified rms symmetrical amperes when used with the fuse ratings indicated.

Model	Represented Models	Test current (A)	Fuse rating (A)
FMAC-0A24-0813	FMAC-0A24-0813	5000	15
FMAC-0A40-2513	FMAC-0A40-2513	5000	20
FMAC-0A38-3213	FMAC-0A38-3213	5000	30