DESCRIPTION

PRODUCT COVERED:

USR, CNR – Component, Appliance Filters, Models FMAC-3FQB-3200, FMAC-3FPT-6400, FMAC-3FPW-J300, FMAC-3FPU-K020.

GENERAL:

* These devices are Electromagnetic Interference (EMI) Filters intended to be factory-installed as a component part of end-use appliances or equipment connected to (supplied by) the branch circuits of a building wiring system. They are provided with metal housing and terminals for factory wiring.

ELECTRICAL RATINGS:

Model No.	Voltage, VAC	Frequency, Hz	Phases	Current, AC	**Cold-Maximum** Ambient Temperature, °C
FMAC-3FQB-3200	480/277	50/60	3	32	-40 - 50
FMAC-3FPT-6400	480/277	50/60	3	64	-40 - 50
FMAC-3FPW-J300	480/277	50/60	3	125	-40 - 50
FMAC-3FPU-K020	480/277	50/60	3	200	-40 - 50

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, CAN/CSA C22.2 No. **8-13, Fifth Edition.**

CONDITIONS OF ACCEPTABILITY:

General - 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 UL LLC.

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

1. The filters shall be provided with an overall enclosure suitable for the applicable end product requirements. Mounting means should be considered in the end-use application.

2. The filter shall be installed in compliance with the spacing and segregation requirements of the end use application.

3. Appliance filters inherently have considerable leakage current to the grounding conductor. Filter models FMAC-3FQB-3200 and FMAC-3FPT-6400 had leakage current measurements exceeding 0.5 mA. The leakage current is to be measured in the end product to determine compliance with the end use requirements.

4. The terminals have not been evaluated for field wiring. The acceptability of the grounding terminal should be determined in the end use application.

5. The suitability of the grounding means in conjunction with the filter shall be evaluated in the end-use application.

6. All Models have been evaluated for use in 480/277 V ac WYE systems where the phase-to-neutral and phase-to-ground voltage does not exceed 277 V, and L-L voltage does not exceed 480 V.

7. The components were submitted and tested with a maximum manufacturer’s recommended ambient and maximum current values 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. The case temperature should be measured and the suitability determined in the end use application.

Conditions of Acceptability (cont'd):

8. The Abnormal Operation Test has been performed on these filters and they are capable of withstanding limited short-circuit conditions up to those stated in the table below, with the correlating fuses that were used. Evaluation for Abnormal Operation test currents higher than those stated in the table, or fused higher than what is stated, shall be determined in the end-use product in which these filters are installed.

Tested Model	Represented Models	Available Short circuit Current Rating (Amps, rms)	Fuse rating, A
FMAC-3FQB-3200	FMAC-3FQB-3200	5000	70
FMAC-3FPT-6400	FMAC-3FPT-6400	5000	80
FMAC-3FPU-K020	FMAC-3FPW-J300, FMAC-3FPU-K020	5000	-