

DESCRIPTION

PRODUCT COVERED:

USR, CNR - Component - Electromagnetic Interference Filter, Appliance Filter, Model 3-101-295 (FPAB-3FRU-0720).

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. The current detailed below is the maximum rated at a maximum ambient temperature rating.

ELECTRICAL RATINGS:

| Model No. | Customer Code | Voltage, Vac | Frequency, Hz | Current, A | Phases | Cold to Maximum Ambient Temperature, °C |
|-----------|----------------|-----------------|------------------|---------------|--------|---|
| 3-101-295 | FPAB-3FRU-0720 | 100-250 | 50/60 | 7 | 1 | -25 to 40 |

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

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

CNR indicates investigation to the requirements of the 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 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 to determine acceptability when evaluating the end-use product.

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. The terminals have not been evaluated for field wiring.
4. Appliance filters inherently have high leakage currents. Leakage current measurements in the end use application should be considered for compliance with the end use application requirements.
5. The suitability of the grounding means in conjunction with the filter shall be evaluated in the end-use application.
6. The components were submitted and tested with a maximum manufacturer's recommended ambient 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.
7. The Abnormal Operation/Limited Short Circuit Test (UL 1283, Cl. 32; CSA C22.2 No. 8, Cl. 6.14) was 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.

| Model | Customer Code | Available Short circuit Current Rating (Amps, rms) | Fuse Rating, (A) |
|-----------|----------------|--|------------------|
| 3-101-295 | FPAB-3FRU-0720 | 1000 | 15 |