

Subject 1283

May 4, 2018

SUMMARY OF TOPICS

The following topic for the Standard for Electromagnetic Interference Filters, UL 1283, is being recirculated:

1. Additional requirements for overload testing when integral over temperature protection is provided.

COMMENTS DUE: JUNE 4, 2018

For your convenience in review, proposed additions to the previously proposed requirements dated (2018-03-02) are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Additional requirements for overload testing when integral over temperature protection is provided.

RATIONALE

Responses to comments have been posted within the UL 1283 Proposal Review Work Area dated (2018-03-02).

PROPOSAL

29.2.1 For a filter with integral over temperature protection, the following tests shall be performed:

- a) One sample with the integral over temperature protection ~~shall be~~ left in the circuit, and the product cooled to the lowest rated ambient temperature rating, shall be subjected to an the overload current ~~is to be of~~ 135% of the current rating of the maximum size branch circuit to which the filter can be properly connected. The overload test current is to be applied for 1 h for test currents up to 81 A and 2 h for test currents greater than 81 A, or until the over temperature protection opens the circuit. ~~The test shall be conducted on three samples. A~~ thermocouple shall be placed on the over temperature protection and the maximum temperature measured. The condition of the over temperature protection after the test shall be observed and shall not show any evidence of damaged. The maximum temperatures measured shall be less than or equal to the Functioning Temperature of the over temperature protection device with a tolerance of +5°C (+9°F);
- b) One sample with the integral over temperature protection shunted out or removed from the circuit, the overload current is to be 150% of the current rating of the over temperature protection. The overload test current is to be applied for 1 h for test currents up to 81 A and 2 h for test currents greater than 81 A. The product shall not show evidence of ignition, sealant leakage, cracking, breakage, or similar physical damage.

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