

Subject 563

July 6, 2018

SUMMARY OF TOPICS

The following topics for the Standard for Ice Makers, UL 563, are being recirculated:

1. Revise Installation and Operating Instructions, Section 64, by Adding Requirements Covering Electronic Media Instructions.

2. Revise the control requirements in Section 19A, Motor Protection, 20, Switches and Controllers, and 21, Transformer Protection.

COMMENTS DUE: August 5, 2018

For your convenience in review, proposed additions to the previously proposed requirements dated March 16, 2018, are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Revise Installation and Operating Instructions, Section 64, by Adding Requirements Covering Electronic Media Instructions.

RATIONALE

Responses to comments have been posted within the Subject 563 Proposal Review Work Area dated March 16, 2018.

PROPOSAL

64.6 Additional instructions are specified in paragraphs 5.2.1, ~~5-2-3~~ 5.3.1, 6.8, 6.9, 9.1.7, 43.3, 61.2(d), 61.21, and 61.22.

2. Revise the control requirements in Section 19A, Motor Protection, 20, Switches and Controllers, and 21, Transformer Protection.

RATIONALE

Responses to comments have been posted within the Subject 563 Proposal Review Work Area dated March 16, 2018.

PROPOSAL

19A.2.1 All single-phase motors other than a hermetic refrigerant motor compressor shall be protected by one or more of the following:

- a) A separate device responsive to motor current and rated or set to trip at not more than the percentage of the motor nameplate full-load current rating specified in Table 19A.1. If the percentage protection specified in Column A of Table 19A.1 does not correspond to the



percentage value of an overload relay of a standard size, the device of the next higher size may be used. However, the overload device of the next higher size shall protect against currents exceeding the percentage values specified in Column B of Table 19A.1.

b) A separate overload device which combines the functions of overload and overcurrent protection and is responsive to motor current rated or set at values not greater than the percentages of the motor nameplate full-load current rating as specified Table 19A.1. Such a device shall be capable of fully protecting the circuit and motor both under overload and short circuit conditions.

c) *Deleted.*

d) A protective device integral with the motor that complies with the Standard for Thermally Protected Motors, UL 1004-3. A motor intended to move air only, by means of an air-moving fan that is integrally attached, keyed, or otherwise fixed to the motor, is required to have locked-rotor protection only.

e) Impedance protection complying with the ~~Standard for Automatic Electrical Controls, Part 2: Particular Requirements for Thermal Motor Protectors, UL 60730-2-22 or the Standard for Impedance Protected Motors, UL 1004-2.~~

f) Protective electronic circuits integral to the motor that comply with the Standard for Electronically Protected Motors, UL 1004-7.

g) Protective electronic circuits that comply with clause 19A.2.2.

h) Other protection that is shown by test to be equivalent to the protection specified in (c) and (d).

20.20 Unless specified elsewhere in this standard, protective (safety) controls, such as temperature and pressure limiting controls, shall comply with one of the following standards:

a) *Deleted.*

b) Standard for Limit Controls, UL 353;

c) Standard for Automatic Electrical Controls – Part 1: General Requirements, UL 60730-1, and the specific applicable Part 2 Standard.

Calibration requirements are to be applied. A control evaluated to UL 60730-1 shall have Type 2 Action.

20.22 Protective (Safety) controls and switches relying on software to provide the protective function shall be investigated to the requirements of:

a) Software Class B in Annex H of the Standard for Automatic Electrical Controls – Part 1: General Requirements, UL 60730-1; or

b) Supplement SA in the Standard for Limit Controls, UL 353.

c) *Deleted.*

Copyright © 2018 Underwriters Laboratories Inc.