

STANDARD INFORMATION

Standard Number: ASME A17.5 / CSA B44.1
Standard Name: Elevator and Escalator Electrical Equipment
Standard Edition and Issue Date: 6th Edition dated February 1, 2019
Date of Revision: February 1, 2019
Date of Previous Revision of Standard: 5th Edition revised October 1, 2016

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **July 1, 2020**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revise requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

Overview of Changes:

- Revised requirements for printed circuit boards
- New requirements for solid-state ac motor controller tests
- New electronic motor overload protection test
- New requirement for Canadian markings

Specific details of new/revise requirements are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise requirements do not apply to your product (s).

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>
3	Info	Construction <i>New clause added;</i> Circuits incorporated in elevator equipment that are intended for direct connection to a hard-wired telecommunication network shall comply with the requirements of CAN/CSA-C22.2 No. 60950-1 and ANSI/UL 60950-1, Clause 6.
3.3		Note: Examples of a telecommunication network are a) a public switched telephone network; b) a public data network; c) an integrated services digital network (ISDN); and d) a private network with electrical interface characteristics similar to the examples in Items a), b), and c).
18	Info	Printed circuit boards
18.2		Notwithstanding Clause 18.1, a printed circuit board powered from an isolated secondary circuit of a Class 2 transformer or in an isolated secondary circuit of a transformer <u>operating at not more than 30 Vrms or 42.4 Vpeak and having a maximum capacity of 100 VA</u> need not be classed as minimum V-2 and may be classed HB. Note: See CAN/CSA-C22.2 No. 0.17 or ANSI/UL 94 for identification of the material classifications.
18.3		If a printed circuit board is intended for connection only in low energy circuits in which there is no risk of electric shock or injury to persons, <u>the acceptability of the base material may be determined based on flammability tests only circuits operating at not more than 30 Vrms or 42.4 Vpeak, and having a maximum capacity of 100 VA, the only requirement for the printed circuit board material is a minimum flammability rating of HB.</u>
19	Info	Tests
19.3	Info	Solid-state ac motor controller tests <i>New clause added;</i>
19.3.10		A solid-state motor controller with integral electronic motor overload protection shall comply with the requirements of Clause 19.4.12 and be marked in accordance with Clause 20.21.2 a). Drives not incorporating integral electronic overload protection shall be marked in accordance with Clause 20.21.2 b) or 20.21.3.



CLAUSE	VERDICT	COMMENT
19.4	Info	Power-conversion equipment <i>New section added;</i>
19.4.12		Electronic motor overload protection test See standard for details. <i>New clause added;</i>
19.4.13		Short-circuit test The power conversion equipment shall comply with the requirements specified in Clause 19.3.8.
20	Info	Marking <i>New clause added;</i>
20.1		Where a product is intended for use in Canada, equipment shall additionally be marked in French in accordance with Annex C.
Table 17		Sequence of tests for solid-state ac motor controllers <i>The table has been modified, see standard for details.</i>
Table 20		Sequence of tests for power-conversion equipment <i>The table has been modified, see standard for details.</i> <i>New annex added;</i>
Annex C		French marking translations Where a product is intended for use in Canada, equipment shall additionally be marked in French in accordance with Annex C (see standard for details).
CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.		