

## STANDARD INFORMATION

**Standard:** CSA E60335-2-82

**Standard ID:** Household and Similar Electrical Appliances - Safety - Part 2-82: Particular Requirements for Amusement Machines and Personal Service Machines [CSA C22.2#60335-2-82:2020 Ed.4]

**Previous Standard ID:** Household and Similar Electrical Appliances - Safety - Part 2-82: Particular Requirements for Amusement Machines and Personal Service Machines (R2018) [CSA E60335-2-82:2013 Ed.3]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **January 1, 2024**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Standard number changed from CSA E60335-2-82 to CSA C22.2 No. 60335-2-82.

This Standard is intended to be used in conjunction with CAN/CSA-C22.2 No. 60335-1:16.

### Overview of Changes:

- New requirements for date code and bilingual markings
- New requirements for fuse markings
- New requirement for switches and all-pole disconnection
- New requirements for programmable electronic controls that limit the number of heating elements and motors being operated at the same time.
- New requirement for fuseholders
- New requirement for overcurrent protective devices

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

***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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<p>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined-out</del> below.</p>
7	Info	<p><b>Marking and instructions</b></p> <p><b><i>New clause added;</i></b></p>
7.1		<p>[Add the following dashed item between the 5th and 6th dashed items in the list in the Part 1]</p> <p>— date of manufacture: a date or code identifying the period of manufacture shall be marked on the apparatus;</p>
		<p><b><i>New clause added;</i></b></p>
7.1A		<p>Warnings shall be in both English and French.</p> <p>Compliance is checked by inspection.</p>
		<p><b><i>New clause added;</i></b></p>
7.16		<p>If replaceable fuses are provided, whether located inside the appliance or externally serviceable, the maximum size, in amperes, of the fuse to be used in each circuit shall be marked on or adjacent to its respective fuseholder.</p> <p>Other relevant ratings, including time characteristic, breaking capacity, and voltage, shall be included with the current rating if replacement with a fuse that has other ratings could result in non-compliance with this Standard.</p>
22	Info	<p><b>Construction</b></p> <p><b><i>New clause added;</i></b></p>
22.2		<p>Appliances rated less than 150 V may use a single-pole switch for disconnection from the supply mains if the supply cord or cord set is polarized. This switch shall not be used to disconnect the neutral supply conductor.</p> <p>All other appliances shall provide all-pole disconnection from the supply mains. Note 1A: Supply cords and cord sets used in class I appliances are considered to be polarized.</p>
		<p><b><i>New clause added;</i></b></p>
22.106		<p>For appliances that are controlled by programmable electronic circuits that limit the number of heating elements and motors from being energised at the same</p>



CLAUSE	VERDICT	COMMENT
		<p>time, simultaneous activation of any combination of heating elements and motors shall not render the appliance unsafe.</p> <p>Compliance is checked as follows:</p> <ul style="list-style-type: none"><li>– the fault/error conditions specified in Table R.1 are applied and evaluated in accordance with the relevant requirements of Annex R; or</li><li>– the appliance is operated under the conditions of Clause 11 while being supplied at rated voltage, the programmable electronic circuits being modified to allow simultaneous activation of all heaters and motors under their control. Under these conditions, compliance with 19.13 shall be fulfilled.</li></ul>
		<p><b><i>New clause added;</i></b></p>
22.106A		<p>Fuseholders shall be constructed and installed so that bare live parts other than the screwshell in plug fuses will not be exposed to contact by persons removing or replacing fuses, i.e., they shall be deadfront.</p> <p>The screwshells of plug fuseholders and the contact of extractor-post-cartridge-type fuseholders adjacent to the mounting surface shall be connected to the load side of the circuit.</p>
		<p><b><i>New clause added;</i></b></p>
22.106B		<p>If a polarized supply cord is used, any single-pole overcurrent protective device connected in series with the mains supply source shall be connected between the ungrounded conductor and the load.</p>
25	Info	<p><b>Supply connection and external flexible cords</b></p>
		<p><b><i>New clause added;</i></b></p>
25.7		<p>Supply cords and cord sets shall have temperature ratings that are suitable for the temperature encountered on surfaces of the appliance that the supply cord or cord set could contact during normal use.</p> <p>For indoor use, the supply cord or cord set of the appliance used for the mains shall be of Type SJT or equivalent.</p> <p>For outdoor use, the supply cord or cord set of the appliance used for the mains shall be of Type SJTW or equivalent.</p>
		<p><b><i>New annex added;</i></b></p>
Annex R		<p><b>Software evaluation</b></p>
R.2.2.5		<p>For other programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in Table R.1, detection of a fault/error shall occur before if compliance with Clause 19 and 22.106 is impaired.</p>



CLAUSE	VERDICT	COMMENT
R2.2.9		For other programmable electronic circuits, the software and safety-related hardware under its control shall be initialized and shall terminate before if compliance with Clause 19 and 22.106 is impaired.

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