

STANDARD INFORMATION

AMENDMENT 1: See updated Standard Version and Effective Date in blue below

Standard: CSA C22.2 No. 60335-2-23

Standard ID: Household and Similar Electrical Appliances - Safety - Part 2-23: Particular Requirements for Appliances for Skin or Hair Care [CSA C22.2#60335-2-23:2021 Ed.4+U1]

Previous Standard ID:

Household and Similar Electrical Appliances - Safety - Part 2-23: Particular Requirements for Appliances for Skin or Hair Care [CSA C22.2#60335-2-23:2021 Ed.4]

Household and Similar Electrical Appliances - Safety - Part 2-23: Particular Requirements for Appliances for Skin or Hair Care (R2020) [CSA C22.2#60335-2-23:2015 Ed.3+U1]

Household and Similar Electrical Appliances - Safety - Part 2-23: Particular Requirements for Appliances for Skin or Hair Care [CSA C22.2#60335-2-23:2015 Ed.3]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: ~~September 1, 2025~~ January 8, 2026

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 Reports not updated to this version by the effective date above will be withdrawn.

All reports must be certified to the 4th edition plus Update 1 of CSA C22.2 No. 60335-2-23 prior to the effective date.

The 4th edition of CSA C22.2 No. 60335-2-23 is to be used in conjunction with the 2nd edition of CSA C22.2 No. 60335-1.

Overview of Changes:

3rd edition Update 1:

- New requirements for testing and resetting of switches
- New requirements for handheld dryers
- New requirements for appliances that incorporate GFCI or ALCI

4th edition:

- New instructions for hair straighteners and curling irons
- Addition to procedures for conducting the test at all heating settings
- New procedures for stability test
- New requirement for protection against hair being pulled into hair dryer intakes



4th edition + Update 1

- Clarity added for the representative period of curling irons and hair straighteners with PTC heating elements and electronic temperature controls
- Clarity added for the representative period of curling irons and hair straighteners with PTC heating elements and electronic temperature controls
- Exception added for hand held parts already assessed
- New deviation added for cord-connected hand-held hair dryers
- New heightened oscillation test deviation added for cord-connected hand-held hair dryers that aligns with UL 859/1727
- 5VA deviations for flammability now only applicable to fixed and stationary appliances

Specific details of new/revised 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 |
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| The following changes reflect the 3rd edition Update 1 revision: | | |
| 7 | Info | Marking and instructions <i>New clause added;</i> Switches provided for the testing and resetting of a protective device by the user shall be permanently marked “TEST” and “RESET” (respectively) on or adjacent to the switch actuators. Compliance is checked by inspection. |
| 22 | Info | Construction <i>New clause added;</i> Hand-held hairdryers shall be provided with a Class A ground-fault circuit-interrupter GFCI or an appliance leakage current interrupter (ALCI) that is an integral part of the plug of the supply cord or the wall-mounted unit of those permanently connected to fixed wiring. GFCIs and ALCIs shall not be of a type that can automatically reset. Compliance is checked by inspection. |
| 22.102L | | |
| 22.102M | | <i>New clause added;</i> Appliances that incorporate a GFCI or ALCI and have a socket outlet for general use shall be wired such that the socket outlet for general use is connected to the load side of the GFCI. Compliance is checked by inspection. |
| The following changes reflect the 4th edition changes: | | |
| 5 | Info | General conditions for the tests <i>New clause added;</i> |
| 5.2A | | Appliances provided with socket outlets shall be tested with the socket outlet loaded with a 1500 W resistive load if this load would adversely affect the result of the test. This shall apply to the tests of Clauses 10, 11, and 19. |



| CLAUSE | VERDICT | COMMENT |
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| 7 | Info | Marking and instructions <i>New section added;</i> |
| 7.1 | | Markings See standard for details. <i>New clause added;</i> |
| 7.16 | | If fuses are provided, the maximum size, in amperes, of the fuse to be used in each circuit shall be marked on or adjacent to its fuseholder. 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. |
| 10 | Info | Power input and current |
| 10.2A | | Except for facial saunas, cord-connected appliances intended for use on a 120 V nominal branch circuit protected by an overcurrent device rated or set at not more than 15 A shall not consume more than 15 A when tested at the rated voltage and at 120 V. All other appliances shall not exceed 80% of the rating of the intended overcurrent device for the branch circuit when operated under normal operation at the rated voltage and at the nominal system voltage for which it is intended. Note: Nominal system voltages are given in Table 1 of CAN3-C235-83. <i>New clause added;</i> |
| 11 | | Heating See standard for details. <i>New section added;</i> |
| 15 | | Moisture resistance See standard for details. <i>New section added;</i> |
| 19 | | Abnormal operation See standard for details. |



| CLAUSE | VERDICT | COMMENT |
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| 20 | Info | Stability and mechanical hazards <i>New clause added;</i> |
| 20.1A | | For facial saunas only, the 10° test specified in Clause 20.1 shall be conducted at 15°, and the test specified in the seventh and eighth paragraphs of Clause 20.1 shall not apply. |
| 21 | Info | Mechanical strength <i>New clause added;</i> |
| 21.1 | | The 2 J blows specified in Clause 21.1DV.2 of the Part 1 shall also be applied to guards for live parts. |
| 22 | Info | Construction <i>New clause added;</i> |
| 22.2 | | Appliances with a rated voltage less than 150 V may use a single-pole switch for disconnection from the supply mains, provided that the supply cord or cord set is polarized. This switch shall not be used to disconnect the neutral supply conductor. All other appliances shall provide all-pole disconnection from the supply mains. Note: Supply cords and cord sets used in Class I appliances are considered to be polarized. |
| 22.8 | | <i>New clause added;</i> Covers required to enclose wiring, bare live parts, etc., that open for cleaning and do not require the use of a tool for opening or removal shall be permanently secured to the frame or enclosure by means of hinges, chains, or other equivalent means, unless the appliance complies with Clause 8.1 with the cover removed. These covers shall incorporate an interlock or shall be marked in accordance with Clause 7.1B. Other doors or covers, the removal of which provides access to electrical components, shall require a tool for opening or removal and be hinged or otherwise attached. |
| 22.24 | | <i>New clause added;</i> Heater elements in hoods shall be baffled to prevent hot particles from falling out of the hood while it is in any normal position. |
| 22.39 | | Lamps See standard for details. |



| CLAUSE | VERDICT | COMMENT |
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| | | <i>New section added;</i> |
| 22.102 | | Construction See standard for details |
| 24 | Info | Components |
| | | <i>New clause added;</i> |
| 24.2 | | The switch in the flexible cord shall be not more than 610 mm from the supply cord entry in the appliance. |
| | | <i>New clause added;</i> |
| 24.2A | | Heater elements shall comply with CSA C22.2 No. 72. |
| 25 | Info | Supply connection and external flexible cords |
| | | <i>New clause added;</i> |
| 25.3DV | | Where supply leads in the terminal box are intended for connection to the power supply conductors at the time of installation, they shall a) be of suitable ampacity and not less than 150 mm in length; b) be No. 18 AWG or larger; and c) have insulation suitable for the conditions, e.g., voltage and temperature. |
| | | <i>New clause added;</i> |
| 25.4 | | Where openings for conduit connection are provided in sheet metal enclosures, the metal thickness around such openings shall be not less than a) 0.78 mm for sheet steel; b) 1.27 mm for aluminum; or c) 1.24 mm for other non-ferrous metal. |
| | | <i>New clause added;</i> |
| 25.7 | | Supply cords shall have temperature ratings that are suitable for the temperature encountered on surfaces of the appliance that the supply cord could contact during normal use. Supply cords for all household appliances and commercial hand-held appliances shall be minimum Type SPT-2, SVT, or equivalent cord of the not-for-hard-usage type. |



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| | | Supply cords for all other appliances shall be minimum Type SJT or equivalent cord of the hard-usage type. Note: The CE Code, Part I, Table 11 specifies suitable uses for supply cords. |
| | | <i>New clause added;</i> For cord-connected facial saunas, the length of the supply cord and attachment plug, as measured from where the supply cord enters the appliance to the face of the attachment plug, or the overall length of a cord set supplied with the appliance shall be at least 0.6 m and not greater than 2.1 m. Cord-connected commercial appliances other than facial saunas shall be provided with a supply cord at least 1520 mm long, terminating in a suitable attachment plug for connection to the supply circuit, except for non-hand-held appliances where a separate cord set and a suitable detachable means of connection are provided. The maximum length shall be restricted to 3660 mm. Cord-connected household appliances other than facial saunas shall be provided with a supply cord at least 1520 mm long, terminating in a suitable attachment plug for connection to the supply circuit, except for non-hand-held appliances where a separate cord set and a suitable detachable means of connection are provided. The maximum length shall be restricted to 2745 mm. |
| | | <i>New section added;</i> |
| 25.14 | | Cord connected appliances See standard for details. |
| 26 | Info | Terminals for external conductors <i>New clause added;</i> |
| 26.10A | | Terminal boxes or wiring compartments in which supply connections are made shall be located so that the connections will be accessible for inspection with the equipment installed as intended. |
| 30 | Info | Resistance to heat and fire <i>New clause added;</i> |
| 30.2A | | Non-metallic enclosures for heating elements and live parts, air intake and air exhaust guards and grilles (whether decorative or not), and supports for electrical components shall comply with the requirements of 5 VA from CAN/CSA-C22.2 No. 0.17. Materials having flame-retardant coatings, liners, or coverings shall comply with the flame-retardant coating requirements in CAN/CSA-C22.2 No. 0.17, except for the flexing and surface resistivity tests. |



| CLAUSE | VERDICT | COMMENT |
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| The following changes reflect the 4th edition changes: | | |
| 7 | Info | Marking and instructions A permanent caution marking shall be marked on commercial equipment (i.e., equipment that does not comply with Table 3) as follows: WARNING: NOT FOR HOUSEHOLD USE — MAY CAUSE BURNS And AVERTISSEMENT : IMPROPRE À L'USAGE DOMESTIQUE — PEUT OCCASIONNER DES BRÛLURES, or equivalent wording, with letters not less than 2.4 mm high, except for “WARNING” and «AVERTISSEMENT », which shall have letters not less than 3.2 mm high. |
| 10 | Info | Power input and current <i>New clause added;</i> For curling irons or hair straighteners with PTC heating elements and electronic temperature controls, the input power shall be taken as the arithmetic mean value during the representative period. The negative tolerance of these appliances shall be increased to 5 W or 10% of rated input, whichever is larger. The representative period of hand-held appliances with PTC heating elements shall be 30 min starting from ambient temperature at 23 °C ± 2 °C. |
| 10.1 | | |
| 10.2 | | <i>New clause added;</i> For curling irons and hair straighteners with PTC heating elements or electronic temperature controls, the input current shall be taken as the arithmetic mean value during the representative period. The negative tolerance of these appliances shall be increased to 0.04 A or 10% of rated input, whichever is larger. The representative period of hand-held appliances with PTC heating elements shall be 30 min starting from ambient temperature at 23 °C ± 2 °C. |
| 21 | Info | Mechanical strength The 2 J blows specified in Clause 21.1DV.3 of the Part 1 shall also be applied to guards for live parts. |
| 21.1 | | <u>The impact test shall not apply to hand-held appliances and hand-held parts of appliances subjected to the test of Clause 21.101.</u> |



| CLAUSE | VERDICT | COMMENT |
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| 25 | Info | Supply connection and external flexible cords |
| | | <p>Cord-connected appliances that are not subjected to the test specified in this Clause of the Part 1 because they are not moved while in operation shall be subjected to the test of Clause 25.14A.</p> |
| 25.14 | | <p>Cord-connected appliances that do not have a swivel connection but that are intended to be frequently rotated while in operation, such as curling irons, stylers, and roller brushes (see Figure 101D), shall also be subjected to the test of Clause 25.14B.</p> |
| | | <p><u>Cord-connected hand-held hair drying appliances shall be subjected to the test of Clause 25.14C instead of the test in the Part 1.</u></p> |
| | | <p>New samples shall be used for these tests.</p> |
| | | <p><i>New clause added;</i></p> |
| | | <p>Cord-connected hand-held hair drying appliances shall be subjected to the following test.</p> |
| | | <p>The test shall be conducted on 6 non-conditioned samples and 3 conditioned samples. The conditioned samples shall be conditioned at a temperature of 100 °C for 96 h or at 87 °C for 168 h, as specified by the manufacturer. The samples shall then be cooled to a room temperature of 23 ± 2 °C.</p> |
| 25.14C | | <p>Each sample shall be mounted in a guide such that the unit can be rotated 540° about the axial centre of the supply cord. A weight of 113 g shall be hung on the supply cord at 203 mm from the point of supply cord entry so that an angle of approximately 90° is formed between the freely hanging supply cord and where the supply cord enters the unit. The point of supply cord entry to the unit shall be determined with the anti-kink device removed; however, the anti-kink device shall be installed for the test.</p> |
| | | <p>The test shall be conducted for 6000 cycles for household type or 16 000 cycles for commercial type on the non-conditioned samples; and it shall be conducted for 1000 cycles on the conditioned samples. One cycle of operation consists of rotating the appliance 540° about the axial centre of the supply cord in one direction and then 540° in the reverse direction to return to the original position. The rate of rotation shall be 10 cycles per minute. The test shall be made with the appliance energized at the current rating of the appliance at rated voltage.</p> |
| | | <p>For appliances with a cord swivel connection, the swivel shall be locked in place during the test. Alternatively, the swivel may be left unlocked during the test if the test is repeated on 6 additional nonconditioned samples without applying the weight. The swivel shall remain functional during and after the test.</p> |



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| | | The test shall not result in exposure, breakage, or discontinuity of the conductors or displacement or breakage of the anti-kink device. The appliance shall still function and comply with the electric strength test of Clause 16.3. |
| 30 | Info | Resistance to heat and fire |
| 30.101A | | <u>For fixed or stationary appliances</u> , non-metallic enclosures and direct supports for heating elements and thermostat live parts, air intake and air exhaust guards and grilles (whether decorative or not) shall comply with the 5VA requirements of CAN/CSA-C22.2 No. 0.17. |
| | | For fixed or stationary appliances, materials having flame-retardant coatings, liners, or coverings to meet the 5VA flammability rating shall comply with the flame-retardant coating requirements in CAN/ CSA-C22.2 No. 0.17, except for the flexing and surface resistivity tests. |